

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 350554

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 30-015-54237
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 134H

7. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn	Feet From 1886	N/S Line S	Feet From 330	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 11	Township 24S	Range 27E	Lot Idn M	Feet From 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 3088
16. Multiple N	17. Proposed Depth 18770	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	7846	940	0
Prod	6.75	5.5	20	18770	1150	7646

Casing/Cement Program: Additional Comments

Matador requests the option to run a DV tool and packer

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Brett A Jennings	Approved By: Ward Rikala	
Title: Regulatory Analyst	Title:	
Email Address: brett.jennings@matadorresources.com	Approved Date: 9/22/2023	Expiration Date: 9/22/2025
Date: 9/20/2023	Phone: 972-629-2160	Conditions of Approval Attached

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

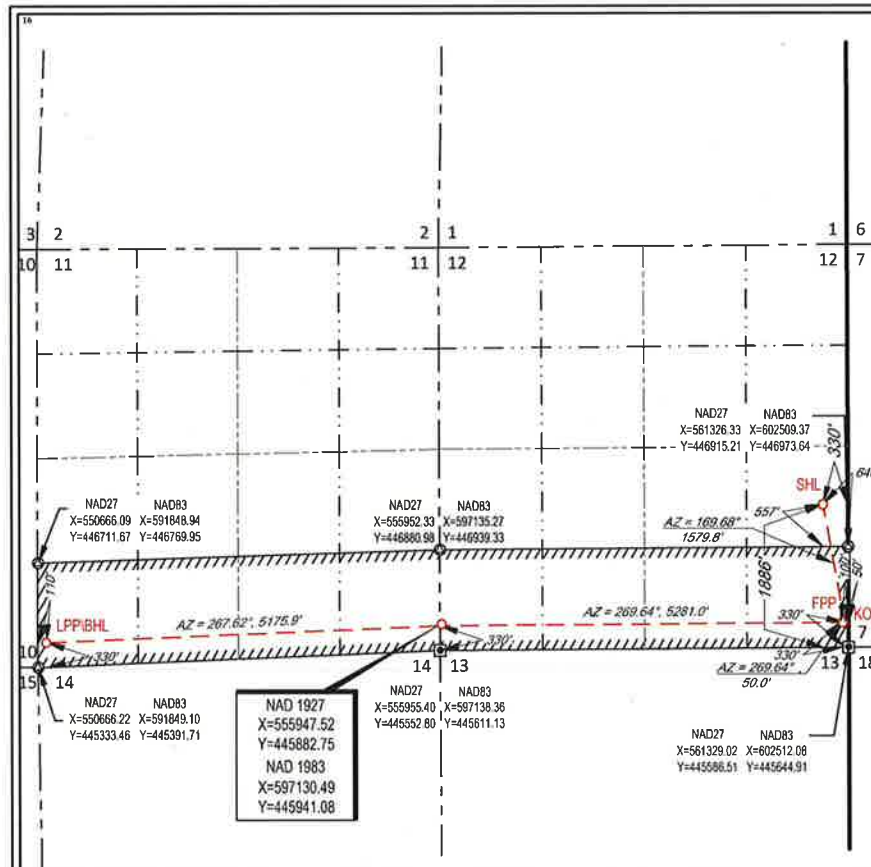
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-54237		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 134H	
⁷ OGRID No. 22 8937 7877		⁸ Operator Name MATADOR PRODUCTION COMPANY		⁹ Elevation 3088'	
¹⁰ Surface Location					
UL or lot no. I	Section 12	Township 24-S	Range 27-E	Lot Idn -	Feet from the 1886'
			North/South line SOUTH	Feet from the 330'	East/West line EAST
			County EDDY		
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. M	Section 11	Township 24-S	Range 27-E	Lot Idn -	Feet from the 330'
			North/South line SOUTH	Feet from the 110'	East/West line WEST
			County EDDY		
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ Order No.	

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



¹⁷OPERATOR
CERTIFICATION

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

Hanna Bollenbach 7/17/23
Signature Date
Hanna Bollenbach
Printed Name
hanna.bollenbach@matadron.com
E-mail Address

¹⁸SURVEYOR
CERTIFICATION

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

05/02/2023

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

NEW MEXICO EAST
NAD 1927

SURFACE LOCATION (SHL)

1886' FSL - SEC. 12
330' FEL - SEC. 12
X=602178 Y=447529
LAT.: N 32.2301798
LONG.: W 104.1365723

KICK OFF POINT (KOP)

330' FSL - SEC. 12
50' FEL - SEC. 12
X=602461 Y=445975
LAT.: N 32.2259060
LONG.: W 104.1356658

FIRST PERF. POINT (FPP)

330' FSL - SEC. 12
100' FEL - SEC. 12
X=602411 Y=445974
LAT.: N 32.2259054
LONG.: W 104.1358275

LAST PERF. POINT/BOTTOM HOLE LOCATION (LPP/BHL)

330' FSL - SEC. 12
110' FWL - SEC. 12
X=591959 Y=445727
LAT.: N 32.2252727
LONG.: W 104.1696303

SURFACE LOCATION (SHL)

X=560995 Y=441470
LAT.: N 32.2300593
LONG.: W 104.1300772

KICK OFF POINT (KOP)

X=561278 Y=445916
LAT.: N 32.2251704
LONG.: W 104.1351709

FIRST PERF. POINT (FPP)

X=561228 Y=445016
LAT.: N 32.2251946
LONG.: W 104.1353226

LAST PERF. POINT/BOTTOM HOLE LOCATION (LPP/BHL)

X=550776 Y=445698
LAT.: N 32.2251928
LONG.: W 104.1691340

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Santa Fe, NM 87505

Form APD Conditions

Permit 350554

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-54237
	Well: DAVID EDELSTEIN STATE COM #134H

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
David Edelstein 134H	TBD	I 12-24S-27E	1,886' FSL 330' FEL	1,950	3,900	1,125
David Edelstein 114H	TBD	I 12-24S-27E	1,966' FSL 330' FEL	1,425	4,950	4,500
David Edelstein 124H	TBD	I 12-24S-27E	1,966' FSL 300' FEL	1,388	2,888	4,500

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

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
David Edelstein 134H	TBD	11/04/2023	11/19/2023	02/01/2024	03/01/2024	03/01/2024
David Edelstein 114H	TBD	11/20/2023	12/07/2023	02/01/2024	03/01/2024	03/01/2024
David Edelstein 124H	TBD	12/12/2023	12/27/2023	02/01/2024	03/01/2024	03/01/2024

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications**Effective May 25, 2021**

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

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

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

If Operator checks this box, Operator will select one of the following:

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

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

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

Section 4 - Notices

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

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

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

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

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

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

Addendum to Natural Gas Management Plan for Matador's

Rustler Breaks Fed TB

VI. Separation Equipment

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

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
David Edelstein 134H	1,950	3,900	1,125
David Edelstein 114H	1,425	4,950	4,500
David Edelstein 124H	1,388	2,888	4,500

VII. Operation Practices

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

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

VII. Best Management Practices

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

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device

- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #134H

Wellbore #1

State Plan #1

Anticollision Report

18 July, 2023

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	7/18/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,769.8	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
David Edelstein						
David Edelstein #203H - Wellbore #1 - Actual	0.0	1.0	220.2			
David Edelstein #203H - Wellbore #1 - Actual	300.0	299.6	220.6	219.1	146.904	ES
David Edelstein #203H - Wellbore #1 - Actual	18,700.0	19,425.0	2,206.6	1,730.6	4.635	SF
David Edelstein #223H - OH - #1	454.8	455.7	189.8	188.4	135.542	CC
David Edelstein #223H - OH - #1	1,000.0	1,001.2	190.0	186.7	56.645	ES
David Edelstein #223H - OH - #1	1,500.0	1,498.8	233.0	228.0	46.213	SF
David Edelstein #223H - OH - Actual	954.3	955.5	179.0	172.6	28.203	CC
David Edelstein #223H - OH - Actual	1,000.0	1,000.9	179.0	172.4	26.869	ES
David Edelstein #223H - OH - Actual	18,700.0	20,424.0	2,379.4	1,791.9	4.050	SF
David Edelstein State Com #113H - Wellbore #1 - State P	1,000.5	1,001.5	114.0	107.3	16.979	CC, ES
David Edelstein State Com #113H - Wellbore #1 - State P	18,769.8	17,292.9	1,908.8	1,526.7	4.995	SF
David Edelstein State Com #114H - Wellbore #1 - State P	3,207.5	3,219.5	51.2	23.7	1.862	CC
David Edelstein State Com #114H - Wellbore #1 - State P	6,260.8	6,277.3	61.6	0.6	1.009	Level 2, ES, SF
David Edelstein State Com #123H - Wellbore #1 - State	1,000.0	1,001.0	110.0	103.3	16.389	CC, ES
David Edelstein State Com #123H - Wellbore #1 - State	18,769.8	18,080.6	1,735.5	1,249.3	3.569	SF
David Edelstein State Com #124H - Wellbore #1 - State	1,444.5	1,453.5	41.1	31.4	4.215	CC
David Edelstein State Com #124H - Wellbore #1 - State	1,500.0	1,509.3	41.4	31.2	4.072	ES
David Edelstein State Com #124H - Wellbore #1 - State	18,769.8	18,154.3	626.6	327.1	2.092	SF

Offset Design													Offset Site Error:	0.0 usft
David Edelstein - David Edelstein #203H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 202-MWD														
Reference		Offset		Semi Major Axis			Distance							
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	Warning	
0.0	0.0	1.0	1.0	0.0	0.0	0.16	220.2	0.6	220.2					
100.0	100.0	101.0	101.0	0.1	0.2	0.19	220.2	0.7	220.2	219.9	0.28	776.507		
200.0	200.0	200.9	200.9	0.5	0.3	0.25	220.2	1.0	220.2	219.4	0.80	276.696		
300.0	300.0	299.6	299.6	0.8	0.7	0.32	220.6	1.2	220.6	219.1	1.50	146.904	ES	
400.0	400.0	398.3	398.3	1.2	1.0	0.34	221.5	1.3	221.5	219.3	2.21	100.259		
500.0	500.0	498.7	498.7	1.6	1.4	0.33	222.6	1.3	222.6	219.7	2.92	76.219		
600.0	600.0	599.3	599.3	1.9	1.7	0.31	223.5	1.2	223.5	219.9	3.64	61.462		
700.0	700.0	700.0	700.0	2.3	2.1	0.34	224.2	1.3	224.2	219.8	4.35	51.482		
800.0	800.0	797.9	797.9	2.6	2.4	0.58	225.1	2.3	225.1	220.1	5.06	44.459		
900.0	900.0	896.5	896.5	3.0	2.8	1.14	226.8	4.5	226.9	221.1	5.77	39.288		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
1,000.0	1,000.0	996.9	996.8	3.4	3.1	1.90	228.6	7.6	228.8	222.3	6.49	35.240		
1,100.0	1,100.0	1,096.3	1,096.1	3.7	3.5	-167.33	230.3	11.2	232.3	225.2	7.19	32.310		
1,200.0	1,199.8	1,193.4	1,193.1	4.0	3.8	-166.40	232.6	16.2	240.1	232.2	7.87	30.502		
1,300.0	1,299.5	1,291.6	1,291.0	4.4	4.2	-165.39	235.8	22.5	252.2	243.7	8.56	29.458		
1,400.0	1,398.7	1,391.8	1,390.9	4.7	4.6	-164.78	238.8	28.3	267.5	258.2	9.27	28.868		
1,500.0	1,497.5	1,491.3	1,490.3	5.1	4.9	-164.60	241.5	33.1	285.6	275.6	9.97	28.643		
1,600.0	1,595.6	1,590.1	1,589.0	5.5	5.3	-164.64	243.7	37.5	306.7	296.0	10.68	28.721		
1,700.0	1,693.1	1,687.2	1,686.0	5.9	5.6	-164.79	245.7	41.9	330.7	319.4	11.38	29.058		
1,753.0	1,744.3	1,738.1	1,736.8	6.1	5.8	-164.83	246.7	44.7	344.9	333.1	11.76	29.332		
1,800.0	1,789.7	1,783.1	1,781.7	6.3	6.0	-164.89	247.7	47.5	357.8	345.7	12.09	29.604		
1,900.0	1,886.3	1,881.6	1,879.9	6.7	6.4	-164.91	249.4	54.2	385.2	372.4	12.80	30.087		
2,000.0	1,982.9	1,981.7	1,979.8	7.2	6.7	-164.92	250.3	61.0	411.8	398.3	13.54	30.424		
2,100.0	2,079.4	2,075.4	2,073.3	7.7	7.1	-164.88	250.9	67.7	438.1	423.8	14.24	30.758		
2,200.0	2,176.0	2,167.3	2,164.8	8.2	7.4	-164.74	252.3	75.2	465.3	450.3	14.94	31.135		
2,300.0	2,272.6	2,260.2	2,257.4	8.7	7.8	-164.57	254.4	83.1	493.3	477.6	15.65	31.511		
2,400.0	2,369.1	2,353.1	2,350.0	9.2	8.1	-164.52	257.1	90.2	521.8	505.5	16.37	31.885		
2,500.0	2,465.7	2,451.4	2,448.0	9.7	8.5	-164.55	260.2	97.0	550.5	533.4	17.11	32.174		
2,600.0	2,562.3	2,549.9	2,546.3	10.2	8.8	-164.66	262.8	103.1	578.7	560.8	17.86	32.407		
2,700.0	2,658.8	2,646.9	2,643.1	10.7	9.2	-164.81	265.1	108.4	606.6	588.0	18.59	32.621		
2,800.0	2,755.4	2,743.8	2,739.8	11.2	9.6	-164.94	267.3	113.8	634.3	615.0	19.33	32.812		
2,900.0	2,852.0	2,833.5	2,829.4	11.8	9.9	-165.04	269.6	119.0	662.4	642.4	20.03	33.077		
3,000.0	2,948.5	2,922.2	2,917.8	12.3	10.2	-165.11	272.8	124.3	691.5	670.8	20.71	33.385		
3,100.0	3,045.1	3,017.0	3,012.4	12.8	10.6	-165.18	276.9	130.2	721.2	699.8	21.44	33.635		
3,200.0	3,141.7	3,113.3	3,108.4	13.3	10.9	-165.24	280.9	136.2	750.8	728.7	22.18	33.847		
3,300.0	3,238.2	3,209.3	3,204.1	13.9	11.3	-165.30	284.8	142.0	780.4	757.5	22.92	34.045		
3,400.0	3,334.8	3,305.4	3,299.9	14.4	11.7	-165.39	288.7	147.5	809.9	786.2	23.66	34.227		
3,500.0	3,431.4	3,399.6	3,393.9	15.0	12.0	-165.48	292.6	152.7	839.4	815.0	24.39	34.419		
3,600.0	3,527.9	3,493.5	3,487.6	15.5	12.4	-165.56	296.7	158.0	869.1	844.0	25.11	34.608		
3,700.0	3,624.5	3,588.3	3,582.2	16.0	12.7	-165.64	300.9	163.1	899.0	873.1	25.84	34.784		
3,800.0	3,721.1	3,683.2	3,676.8	16.6	13.1	-165.75	305.1	167.9	928.9	902.3	26.58	34.952		
3,900.0	3,817.6	3,783.9	3,777.3	17.1	13.4	-165.85	309.5	173.0	958.5	931.2	27.35	35.049		
4,000.0	3,914.2	3,885.1	3,878.4	17.6	13.8	-165.91	313.2	178.7	987.7	959.5	28.13	35.115		
4,100.0	4,010.8	3,981.1	3,974.1	18.2	14.2	-165.94	316.4	184.5	1,016.5	987.7	28.87	35.209		
4,200.0	4,107.3	4,077.7	4,070.4	18.7	14.5	-165.97	319.6	190.4	1,045.3	1,015.7	29.62	35.291		
4,300.0	4,203.9	4,171.7	4,164.2	19.3	14.9	-166.00	322.8	196.0	1,074.2	1,043.8	30.35	35.391		
4,400.0	4,300.4	4,266.7	4,259.0	19.8	15.2	-166.04	326.1	201.4	1,103.2	1,072.1	31.09	35.483		
4,500.0	4,397.0	4,365.1	4,357.2	20.4	15.6	-166.10	329.5	206.7	1,132.0	1,100.2	31.85	35.543		
4,600.0	4,493.6	4,462.0	4,453.9	20.9	16.0	-166.16	332.6	211.6	1,160.7	1,128.1	32.60	35.605		
4,700.0	4,590.1	4,554.3	4,546.1	21.5	16.3	-166.22	335.7	216.4	1,189.5	1,156.1	33.32	35.702		
4,800.0	4,686.7	4,648.4	4,640.0	22.0	16.6	-166.26	339.0	221.6	1,218.5	1,184.5	34.05	35.788		
4,900.0	4,783.3	4,748.2	4,739.5	22.5	17.0	-166.26	342.4	227.9	1,247.4	1,212.6	34.82	35.821		
5,000.0	4,879.8	4,847.3	4,838.3	23.1	17.4	-166.22	345.5	235.0	1,276.0	1,240.4	35.60	35.846		
5,100.0	4,976.4	4,945.2	4,935.9	23.6	17.8	-166.18	348.2	242.2	1,304.5	1,268.1	36.36	35.872		
5,200.0	5,073.0	5,042.4	5,032.8	24.2	18.1	-166.15	350.9	249.2	1,332.8	1,295.6	37.13	35.898		
5,300.0	5,169.5	5,138.8	5,129.0	24.7	18.5	-166.13	353.4	255.8	1,361.0	1,323.1	37.88	35.928		
5,400.0	5,266.1	5,235.8	5,225.8	25.3	18.8	-166.13	356.0	262.0	1,389.2	1,350.5	38.64	35.953		
5,500.0	5,362.7	5,333.4	5,323.1	25.8	19.2	-166.13	358.5	268.1	1,417.3	1,377.9	39.40	35.972		
5,600.0	5,459.2	5,436.4	5,425.9	26.4	19.6	-166.16	360.9	274.0	1,445.2	1,405.0	40.19	35.954		
5,700.0	5,555.8	5,543.3	5,532.7	26.9	20.0	-166.22	362.8	279.3	1,472.4	1,431.4	41.01	35.901		
5,800.0	5,652.4	5,638.4	5,627.7	27.5	20.3	-166.31	364.1	283.0	1,499.2	1,457.5	41.74	35.916		
5,900.0	5,748.9	5,731.3	5,720.5	28.0	20.7	-166.45	365.7	285.3	1,526.3	1,483.8	42.46	35.950		
6,000.0	5,845.5	5,837.6	5,826.8	28.6	21.0	-166.68	367.4	285.8	1,553.2	1,510.0	43.24	35.925		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
6,100.0	5,942.1	5,933.9	5,923.1	29.1	21.3	-166.95	368.7	284.3	1,579.8	1,535.8	43.93	35,959		
6,200.0	6,038.6	6,035.9	6,025.0	29.7	21.7	-167.26	369.9	282.0	1,606.2	1,561.5	44.66	35,967		
6,300.0	6,135.2	6,139.3	6,128.4	30.2	22.0	-167.58	370.8	279.2	1,632.3	1,587.0	45.39	35,966		
6,400.0	6,231.8	6,248.7	6,237.8	30.8	22.3	-167.88	370.8	277.0	1,657.7	1,611.5	46.15	35,920		
6,500.0	6,328.3	6,345.1	6,334.1	31.3	22.7	-168.07	370.6	276.7	1,682.9	1,636.1	46.85	35,923		
6,600.0	6,424.9	6,447.0	6,436.1	31.9	23.0	-168.22	370.1	277.8	1,707.9	1,660.3	47.60	35,883		
6,700.0	6,521.5	6,546.0	6,535.1	32.4	23.3	-168.34	369.3	279.5	1,732.7	1,684.4	48.34	35,847		
6,800.0	6,618.0	6,640.0	6,629.0	33.0	23.7	-168.47	368.7	280.7	1,757.5	1,708.5	49.04	35,836		
6,900.0	6,714.6	6,737.1	6,726.1	33.5	24.0	-168.61	368.2	281.4	1,782.6	1,732.8	49.77	35,818		
6,942.4	6,755.5	6,780.5	6,769.5	33.8	24.1	-168.68	367.9	281.6	1,793.1	1,743.0	50.09	35,801		
7,000.0	6,811.3	6,830.2	6,819.2	34.1	24.3	-168.79	367.6	281.8	1,807.1	1,756.6	50.46	35,810		
7,100.0	6,908.5	6,928.1	6,917.1	34.6	24.6	-168.99	367.3	282.3	1,829.7	1,778.5	51.18	35,746		
7,200.0	7,006.4	7,038.9	7,027.9	35.1	25.0	-169.13	366.5	283.8	1,849.3	1,797.3	51.98	35,577		
7,300.0	7,104.7	7,135.3	7,124.3	35.5	25.4	-169.25	365.4	285.0	1,866.0	1,813.3	52.68	35,422		
7,400.0	7,203.5	7,219.7	7,208.8	36.0	25.6	-169.35	364.8	285.4	1,880.6	1,827.3	53.30	35,284		
7,500.0	7,302.6	7,325.7	7,314.7	36.4	26.0	-169.45	364.6	285.8	1,893.1	1,839.1	54.04	35,033		
7,600.0	7,402.1	7,451.2	7,440.2	36.7	26.4	-169.55	363.0	285.7	1,902.1	1,847.2	54.87	34,667		
7,700.0	7,501.8	7,510.0	7,499.0	37.1	26.6	-169.60	362.8	285.4	1,909.1	1,853.8	55.31	34,519		
7,800.0	7,601.6	7,630.2	7,619.2	37.4	27.0	-169.68	362.7	284.2	1,914.2	1,858.1	56.09	34,128		
7,900.0	7,701.6	7,702.5	7,691.5	37.7	27.3	-169.70	362.7	284.0	1,916.6	1,860.0	56.59	33,869		
7,946.4	7,748.0	7,744.9	7,733.9	37.8	27.4	0.34	363.0	284.3	1,917.3	1,860.4	56.87	33,712		
7,950.0	7,751.6	7,748.4	7,737.4	37.8	27.4	90.70	363.1	284.4	1,917.3	1,860.4	56.90	33,698		
8,000.0	7,801.5	7,797.1	7,786.0	37.9	27.6	90.73	363.5	284.7	1,917.7	1,860.5	57.22	33,518		
8,050.0	7,851.0	7,852.7	7,841.7	38.1	27.8	90.93	363.9	285.0	1,918.2	1,860.6	57.58	33,315		
8,100.0	7,899.8	7,909.3	7,898.3	38.2	28.0	91.28	364.1	285.5	1,918.6	1,860.6	57.94	33,111		
8,150.0	7,947.4	7,959.0	7,948.0	38.3	28.2	91.70	364.1	285.9	1,919.1	1,860.8	58.27	32,936		
8,200.0	7,993.4	8,007.3	7,996.3	38.3	28.3	92.20	364.1	286.4	1,919.8	1,861.2	58.58	32,771		
8,250.0	8,037.6	8,052.6	8,041.5	38.4	28.5	92.74	364.0	286.9	1,920.8	1,861.9	58.88	32,624		
8,300.0	8,079.6	8,095.6	8,084.5	38.5	28.6	93.28	363.9	287.2	1,922.4	1,863.2	59.17	32,491		
8,350.0	8,119.0	8,123.3	8,112.3	38.5	28.7	93.55	363.9	287.4	1,924.8	1,865.5	59.37	32,420		
8,400.0	8,155.7	8,151.0	8,140.0	38.6	28.8	93.77	364.1	287.6	1,928.2	1,868.7	59.59	32,361		
8,450.0	8,189.2	8,176.3	8,165.3	38.6	28.9	93.88	364.3	287.8	1,932.7	1,872.9	59.80	32,319		
8,500.0	8,219.4	8,204.8	8,193.8	38.7	29.0	93.99	364.7	287.9	1,938.4	1,878.3	60.06	32,275		
8,550.0	8,246.0	8,231.3	8,220.3	38.7	29.1	93.97	365.1	287.9	1,945.2	1,884.9	60.33	32,244		
8,600.0	8,268.8	8,254.1	8,243.0	38.7	29.2	93.76	365.4	288.0	1,953.2	1,892.6	60.60	32,233		
8,650.0	8,287.6	8,273.0	8,261.9	38.7	29.3	93.33	365.7	288.0	1,962.6	1,901.7	60.87	32,242		
8,700.0	8,302.4	8,291.2	8,280.2	38.8	29.3	92.76	365.9	288.0	1,973.2	1,912.1	61.17	32,260		
8,750.0	8,312.9	8,304.6	8,293.6	38.8	29.4	91.92	366.0	288.0	1,985.2	1,923.7	61.46	32,302		
8,800.0	8,319.1	8,312.5	8,301.5	38.8	29.4	90.78	366.1	288.0	1,998.4	1,936.7	61.73	32,372		
8,846.4	8,321.0	8,315.0	8,303.9	38.9	29.4	89.46	366.1	287.9	2,011.8	1,949.8	61.97	32,461		
8,904.4	8,321.0	8,315.0	8,303.9	39.0	29.4	89.46	366.1	287.9	2,029.8	1,967.6	62.28	32,594		
9,000.0	8,321.0	8,315.0	8,304.0	39.2	29.4	89.46	366.1	287.9	2,062.8	2,000.0	62.82	32,838		
9,100.0	8,321.0	8,315.1	8,304.0	39.5	29.4	89.46	366.1	287.9	2,101.4	2,038.0	63.43	33,131		
9,200.0	8,321.0	8,315.1	8,304.1	40.0	29.4	89.47	366.2	287.9	2,144.0	2,079.9	64.07	33,465		
9,300.0	8,321.0	10,168.1	9,290.3	40.8	40.4	116.79	356.6	-859.5	2,150.5	2,076.9	73.53	29,247		
9,400.0	8,321.0	10,274.1	9,291.4	41.8	42.0	116.89	350.1	-965.4	2,146.0	2,069.8	76.24	28,149		
9,500.0	8,321.0	10,359.0	9,289.2	43.0	43.3	116.88	346.2	-1,050.2	2,141.4	2,062.6	78.81	27,172		
9,600.0	8,321.0	10,424.0	9,287.2	44.3	44.4	116.84	344.8	-1,115.1	2,138.4	2,057.3	81.15	26,352		
9,700.0	8,321.0	10,526.8	9,287.0	45.8	46.1	116.86	341.8	-1,217.8	2,136.4	2,052.1	84.24	25,360		
9,800.0	8,321.0	10,589.4	9,287.5	47.4	47.2	116.89	340.2	-1,280.4	2,134.9	2,048.2	86.69	24,627		
9,900.0	8,321.0	10,683.8	9,287.1	49.1	48.9	116.88	339.5	-1,374.8	2,134.6	2,044.7	89.83	23,761		
10,000.0	8,321.0	10,000.0	9,284.6	50.9	36.2	116.82	338.6	-1,491.2	2,133.5	2,053.4	80.09	26,640		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
10,073.7	8,321.0	10,848.3	9,282.2	52.3	52.0	116.76	339.0	-1,539.1	2,132.9	2,037.3	95.59	22.312		
10,100.0	8,321.0	10,862.6	9,281.4	52.8	52.2	116.73	339.4	-1,553.5	2,132.9	2,036.7	96.26	22.157		
10,200.0	8,321.0	10,938.0	9,276.2	54.7	53.7	116.56	342.8	-1,628.6	2,134.4	2,035.0	99.34	21.485		
10,300.0	8,321.0	11,042.1	9,267.0	56.6	55.8	116.26	348.6	-1,732.2	2,136.0	2,032.8	103.20	20.697		
10,400.0	8,321.0	11,113.9	9,262.6	58.6	57.2	116.11	351.8	-1,803.7	2,137.9	2,031.6	106.30	20.112		
10,500.0	8,321.0	11,176.0	9,261.6	60.6	58.4	116.05	354.8	-1,865.7	2,142.0	2,032.9	109.14	19.626		
10,600.0	8,321.0	10,600.0	9,257.9	62.7	46.5	115.88	360.1	-2,049.8	2,144.0	2,043.3	100.65	21.301		
10,700.0	8,321.0	11,425.8	9,254.4	64.7	63.6	115.77	362.2	-2,115.2	2,145.2	2,027.1	118.10	18.164		
10,800.0	8,321.0	11,515.3	9,254.2	66.8	65.5	115.73	364.8	-2,204.7	2,148.3	2,026.5	121.74	17.647		
10,900.0	8,321.0	11,734.5	9,249.7	69.0	70.2	115.61	364.7	-2,423.7	2,147.4	2,018.8	128.58	16.700		
11,000.0	8,321.0	11,845.7	9,244.5	71.1	72.6	115.49	362.9	-2,534.7	2,144.4	2,011.5	132.89	16.136		
11,100.0	8,321.0	11,950.7	9,239.9	73.3	74.9	115.41	360.2	-2,639.6	2,140.8	2,003.7	137.08	15.617		
11,200.0	8,321.0	12,026.0	9,236.8	75.5	76.6	115.34	359.1	-2,714.9	2,138.1	1,997.5	140.59	15.208		
11,300.0	8,321.0	12,146.4	9,234.4	77.7	79.3	115.31	356.1	-2,835.2	2,135.7	1,990.5	145.16	14.713		
11,400.0	8,321.0	12,265.0	9,230.5	79.9	81.9	115.25	352.1	-2,953.7	2,131.8	1,982.1	149.72	14.239		
11,500.0	8,321.0	12,386.6	9,226.9	82.1	84.6	115.21	347.1	-3,075.1	2,127.4	1,973.0	154.35	13.783		
11,600.0	8,321.0	12,516.3	9,222.3	84.4	87.6	115.17	339.9	-3,204.5	2,121.4	1,962.2	159.16	13.329		
11,700.0	8,321.0	12,615.3	9,218.2	86.7	89.8	115.13	334.1	-3,303.2	2,114.9	1,951.6	163.32	12.949		
11,800.0	8,321.0	12,767.0	9,210.5	88.9	93.2	115.04	324.6	-3,454.4	2,107.9	1,939.3	168.66	12.498		
11,900.0	8,321.0	12,837.7	9,204.7	91.2	94.9	114.94	320.2	-3,524.8	2,099.4	1,927.0	172.34	12.181		
12,000.0	8,321.0	12,878.0	9,201.7	93.5	95.8	114.89	318.2	-3,564.9	2,092.9	1,917.6	175.29	11.939		
12,100.0	8,321.0	12,943.0	9,198.4	95.8	97.3	114.82	316.0	-3,629.8	2,088.5	1,909.7	178.76	11.683		
12,200.0	8,321.0	13,089.9	9,197.4	98.1	100.6	114.86	310.0	-3,776.5	2,085.4	1,901.4	184.03	11.332		
12,300.0	8,321.0	13,204.9	9,197.6	100.4	103.3	114.95	301.5	-3,891.2	2,079.4	1,890.9	188.48	11.032		
12,400.0	8,321.0	13,289.6	9,194.8	102.7	105.3	114.93	297.0	-3,975.7	2,073.7	1,881.3	192.42	10.777		
12,500.0	8,321.0	13,375.1	9,191.9	105.0	107.2	114.90	293.1	-4,061.1	2,068.7	1,872.3	196.39	10.534		
12,600.0	8,321.0	13,446.0	9,191.4	107.4	108.9	114.92	289.5	-4,131.9	2,064.4	1,864.5	199.93	10.326		
12,700.0	8,321.0	13,509.6	9,192.0	109.7	110.4	114.96	286.8	-4,195.4	2,061.8	1,858.6	203.24	10.145		
12,769.5	8,321.0	13,548.9	9,192.7	111.3	111.3	114.99	286.0	-4,234.7	2,061.3	1,855.9	205.38	10.037		
12,800.0	8,321.0	13,572.2	9,193.0	112.0	111.8	115.00	285.7	-4,258.1	2,061.4	1,854.9	206.48	9.983		
12,900.0	8,321.0	13,662.5	9,193.5	114.4	113.9	115.00	285.8	-4,348.3	2,062.2	1,851.7	210.50	9.797		
13,000.0	8,321.0	13,768.7	9,193.1	116.7	116.4	114.99	285.5	-4,454.5	2,062.4	1,847.4	214.99	9.593		
13,100.0	8,321.0	13,825.0	9,190.5	119.1	117.8	114.90	287.1	-4,510.7	2,063.7	1,845.6	218.16	9.460		
13,200.0	8,321.0	13,883.3	9,187.6	121.4	119.1	114.79	290.1	-4,568.8	2,067.1	1,845.7	221.36	9.338		
13,300.0	8,321.0	13,947.7	9,186.6	123.8	120.7	114.71	294.3	-4,633.1	2,072.8	1,848.2	224.64	9.227		
13,400.0	8,321.0	14,025.3	9,187.9	126.1	122.5	114.68	299.1	-4,710.6	2,079.7	1,851.4	228.25	9.111		
13,500.0	8,321.0	14,096.0	9,187.8	128.5	124.2	114.60	305.0	-4,781.0	2,087.8	1,856.2	231.66	9.012		
13,594.1	8,321.0	14,224.5	9,182.1	130.7	127.2	114.31	317.5	-4,908.8	2,094.5	1,857.1	237.43	8.821		
13,600.0	8,321.0	14,229.1	9,181.8	130.9	127.3	114.30	317.9	-4,913.3	2,095.0	1,857.3	237.66	8.815		
13,696.0	8,321.0	14,301.5	9,178.8	133.2	129.0	114.20	325.0	-4,985.3	2,104.1	1,862.8	241.29	8.720		
13,700.0	8,321.0	14,304.3	9,178.7	133.3	129.1	114.20	325.2	-4,988.1	2,104.5	1,863.1	241.43	8.717		
13,800.0	8,321.0	14,652.3	9,184.9	135.6	137.3	114.07	335.6	-5,335.1	2,115.4	1,862.2	253.24	8.353		
13,900.0	8,321.0	14,975.3	9,186.3	138.0	144.9	114.32	303.5	-5,656.2	2,110.8	1,849.8	260.94	8.089		
14,000.0	8,321.0	15,041.0	9,188.5	140.4	146.4	114.46	293.1	-5,721.0	2,101.3	1,836.7	264.63	7.941		
14,100.0	8,321.0	15,081.9	9,189.3	142.8	147.4	114.52	287.8	-5,761.6	2,093.9	1,825.9	268.03	7.812		
14,200.0	8,321.0	15,135.0	9,187.7	145.2	148.6	114.50	283.4	-5,814.4	2,088.9	1,817.3	271.61	7.691		
14,300.0	8,321.0	15,198.6	9,183.6	147.5	150.1	114.40	280.6	-5,877.8	2,085.9	1,810.5	275.46	7.573		
14,400.0	8,321.0	15,265.3	9,178.3	149.9	151.7	114.25	279.2	-5,944.3	2,084.6	1,805.2	279.39	7.461		
14,436.8	8,321.0	15,290.1	9,176.4	150.8	152.3	114.20	278.9	-5,969.1	2,084.4	1,803.6	280.84	7.422		
14,500.0	8,321.0	15,334.3	9,173.4	152.3	153.4	114.10	278.7	-6,013.2	2,084.8	1,801.4	283.33	7.358		
14,600.0	8,321.0	15,413.2	9,168.1	154.7	155.3	113.93	279.0	-6,091.9	2,086.2	1,798.7	287.52	7.256		
14,700.0	8,321.0	15,490.9	9,163.1	157.1	157.1	113.76	280.0	-6,169.4	2,088.7	1,797.0	291.67	7.161		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,800.0	8,321.0	15,580.0	9,159.6	159.5	159.2	113.62	281.1	-6,258.4	2,092.0	1,796.0	296.06	7.066		
14,900.0	8,321.0	14,900.0	9,160.4	161.9	143.0	113.60	277.2	-6,436.3	2,094.2	1,810.7	283.57	7.385		
15,000.0	8,321.0	15,879.4	9,161.2	164.3	166.4	113.64	270.2	-6,557.5	2,092.9	1,785.6	307.34	6.810		
15,100.0	8,321.0	15,995.3	9,155.9	166.7	169.2	113.50	265.8	-6,673.2	2,091.5	1,779.1	312.38	6.695		
15,200.0	8,321.0	16,118.2	9,149.1	169.1	172.1	113.33	260.5	-6,795.8	2,089.2	1,771.6	317.61	6.578		
15,300.0	8,321.0	16,218.9	9,145.8	171.5	174.5	113.28	253.8	-6,896.2	2,085.7	1,763.5	322.18	6.474		
15,400.0	8,321.0	16,271.0	9,144.6	173.9	175.8	113.26	250.7	-6,948.2	2,083.4	1,757.7	325.67	6.397		
15,464.6	8,321.0	16,319.4	9,143.5	175.5	176.9	113.23	248.7	-6,996.5	2,082.9	1,754.6	328.23	6.346		
15,500.0	8,321.0	16,338.3	9,143.0	176.3	177.4	113.21	248.1	-7,015.4	2,083.0	1,753.6	329.44	6.323		
15,600.0	8,321.0	16,414.8	9,141.1	178.7	179.2	113.14	247.2	-7,091.8	2,084.7	1,751.2	333.44	6.252		
15,700.0	8,321.0	16,506.1	9,138.1	181.1	181.4	113.03	246.7	-7,183.1	2,086.7	1,748.8	337.91	6.175		
15,800.0	8,321.0	16,599.1	9,136.6	183.5	183.7	112.96	246.1	-7,276.1	2,089.3	1,747.0	342.34	6.103		
15,900.0	8,321.0	16,714.1	9,132.5	185.9	186.4	112.80	246.0	-7,391.0	2,091.7	1,744.2	347.56	6.018		
16,000.0	8,321.0	16,820.1	9,128.3	188.3	189.0	112.66	245.3	-7,497.0	2,093.5	1,740.9	352.51	5.939		
16,100.0	8,321.0	16,922.4	9,126.2	190.8	191.5	112.58	243.7	-7,599.2	2,095.1	1,737.9	357.23	5.865		
16,200.0	8,321.0	16,975.7	9,127.1	193.2	192.7	112.59	242.5	-7,652.5	2,097.7	1,737.3	360.39	5.821		
16,300.0	8,321.0	16,300.0	9,127.7	195.6	176.4	112.55	242.8	-7,760.5	2,102.0	1,754.4	347.58	6.048		
16,400.0	8,321.0	17,251.3	9,121.3	198.0	199.4	112.35	240.1	-7,927.8	2,102.4	1,730.4	371.95	5.652		
16,500.0	8,321.0	17,349.1	9,117.5	200.4	201.7	112.23	237.9	-8,025.5	2,102.7	1,726.0	376.66	5.582		
16,600.0	8,321.0	17,435.0	9,115.9	202.8	203.8	112.18	235.1	-8,111.4	2,102.9	1,721.9	380.92	5.521		
16,700.0	8,321.0	17,498.7	9,115.5	205.2	205.4	112.16	233.5	-8,175.1	2,104.4	1,719.9	384.50	5.473		
16,800.0	8,321.0	17,572.5	9,114.5	207.7	207.1	112.10	233.8	-8,248.9	2,108.0	1,719.6	388.38	5.428		
16,900.0	8,321.0	17,677.1	9,110.0	210.1	209.7	111.92	235.6	-8,353.4	2,111.9	1,718.4	393.45	5.368		
17,000.0	8,321.0	17,751.3	9,106.4	212.5	211.5	111.79	237.2	-8,427.4	2,116.0	1,718.5	397.49	5.323		
17,100.0	8,321.0	17,809.0	9,105.4	214.9	212.9	111.72	238.9	-8,485.1	2,122.0	1,721.3	400.72	5.296		
17,200.0	8,321.0	17,888.2	9,105.5	217.3	214.8	111.66	242.0	-8,564.2	2,129.5	1,724.9	404.62	5.263		
17,300.0	8,321.0	17,993.1	9,106.6	219.8	217.3	111.60	246.1	-8,669.0	2,137.4	1,727.9	409.48	5.220		
17,400.0	8,321.0	18,093.9	9,106.9	222.2	219.8	111.53	250.0	-8,769.8	2,145.1	1,730.9	414.22	5.179		
17,500.0	8,321.0	18,314.4	9,101.3	224.6	225.1	111.25	255.5	-8,990.1	2,150.9	1,727.6	423.34	5.081		
17,600.0	8,321.0	18,422.1	9,097.2	227.0	227.7	111.11	254.8	-9,097.7	2,152.8	1,724.4	428.44	5.025		
17,700.0	8,321.0	18,520.4	9,092.7	229.4	230.1	110.96	254.2	-9,195.9	2,154.5	1,721.2	433.31	4.972		
17,800.0	8,321.0	18,588.0	9,089.7	231.9	231.7	110.86	254.1	-9,263.5	2,156.8	1,719.6	437.20	4.933		
17,900.0	8,321.0	18,649.0	9,088.7	234.3	233.2	110.81	254.8	-9,324.4	2,161.2	1,720.5	440.68	4.904		
18,000.0	8,321.0	18,727.4	9,089.3	236.7	235.1	110.78	256.3	-9,402.8	2,167.0	1,722.4	444.58	4.874		
18,100.0	8,321.0	18,816.2	9,091.4	239.1	237.3	110.78	257.8	-9,491.6	2,173.3	1,724.6	448.74	4.843		
18,200.0	8,321.0	18,913.8	9,094.4	241.6	239.6	110.80	259.6	-9,589.1	2,180.0	1,726.8	453.16	4.811		
18,300.0	8,321.0	19,050.1	9,098.1	244.0	243.0	110.82	260.9	-9,725.3	2,185.7	1,726.8	458.92	4.763		
18,400.0	8,321.0	19,144.6	9,101.8	246.4	245.2	110.88	260.6	-9,819.8	2,190.8	1,727.6	463.15	4.730		
18,500.0	8,321.0	19,238.4	9,104.2	248.8	247.5	110.90	261.4	-9,913.5	2,196.4	1,728.9	467.46	4.698		
18,600.0	8,321.0	19,353.0	9,106.6	251.3	250.3	110.91	261.9	-10,024.1	2,201.4	1,729.0	472.45	4.660		
18,700.0	8,321.0	19,425.0	9,108.3	253.7	252.1	110.92	262.1	-10,100.1	2,206.6	1,730.6	476.07	4.635 SF		
18,769.8	8,321.0	19,425.0	9,108.3	255.4	252.1	110.92	262.1	-10,100.1	2,212.0	1,735.5	476.54	4.642		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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:													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
0.0	0.0	1.0	1.0	0.0		0.00	190.0	0.0	190.0					
100.0	100.0	101.0	101.0	0.1		0.00	190.0	0.0	190.0	189.9	0.13	1,482.666		
179.5	179.5	180.5	180.5	0.4		0.01	190.0	0.0	190.0	189.6	0.41	459.864		
200.0	200.0	201.0	201.0	0.5		0.01	190.0	0.0	190.0	189.5	0.49	390.460		
270.8	270.8	271.8	271.8	0.7		0.04	190.0	0.1	190.0	189.2	0.74	256.563		
300.0	300.0	300.7	300.7	0.8		0.02	190.0	0.1	190.0	189.1	0.85	224.799		
400.0	400.0	401.0	401.0	1.2		0.00	190.0	0.0	190.0	188.8	1.20	157.872		
454.8	454.8	455.7	455.7	1.4		0.09	189.8	0.3	189.8	188.4	1.40	135.542 CC		
500.0	500.0	499.5	499.4	1.6		0.02	190.0	0.1	190.0	188.4	1.56	121.590		
600.0	600.0	601.1	601.0	1.9		0.00	190.0	0.0	190.0	188.1	1.92	98.937		
700.0	700.0	701.2	701.0	2.3		0.00	190.0	0.0	190.0	187.7	2.28	83.375		
800.0	800.0	801.2	801.0	2.6		0.00	190.0	0.0	190.0	187.4	2.64	72.043		
900.0	900.0	901.2	901.0	3.0		0.00	190.0	0.0	190.0	187.0	3.00	63.423		
1,000.0	1,000.0	1,001.2	1,001.0	3.4		0.00	190.0	0.0	190.0	186.7	3.35	56.645 ES		
1,100.0	1,100.0	1,101.2	1,101.0	3.7		-170.12	190.0	0.0	191.7	188.0	3.70	51.881		
1,200.0	1,199.8	1,201.0	1,200.8	4.0		-170.38	190.0	-0.1	196.8	192.8	4.03	48.900		
1,300.0	1,299.5	1,300.7	1,300.5	4.4		-170.76	190.0	-0.1	205.5	201.1	4.36	47.132		
1,400.0	1,398.7	1,400.0	1,399.7	4.7		-171.25	190.0	-0.1	217.5	212.8	4.70	46.289		
1,500.0	1,497.5	1,498.8	1,498.6	5.1		-171.80	190.0	-0.1	233.0	228.0	5.04	46.213 SF		
1,600.0	1,595.6	1,597.1	1,596.8	5.5		-172.36	190.0	-0.1	251.9	246.5	5.39	46.749		
1,700.0	1,693.1	1,694.4	1,694.2	5.9		-172.90	190.0	0.0	274.2	268.5	5.74	47.787		
1,753.0	1,744.3	1,745.6	1,745.3	6.1		-173.20	190.0	0.0	287.4	281.5	5.93	48.495		
1,800.0	1,789.7	1,790.6	1,790.3	6.3		-173.45	190.0	0.1	299.5	293.4	6.09	49.174		
1,900.0	1,886.3	1,886.8	1,886.5	6.7		-173.96	190.0	0.2	325.4	318.9	6.44	50.517		
2,000.0	1,982.9	1,983.2	1,982.9	7.2		-174.42	190.0	0.1	351.2	344.4	6.79	51.695		
2,100.0	2,079.4	2,078.8	2,078.5	7.7		-174.80	190.0	0.1	377.1	369.9	7.15	52.737		
2,200.0	2,176.0	2,177.3	2,176.9	8.2		-175.15	190.0	0.0	403.0	395.5	7.51	53.637		
2,300.0	2,272.6	2,278.1	2,273.6	8.7		-175.45	190.0	0.0	428.9	421.0	7.88	54.448		
2,400.0	2,369.1	2,370.5	2,370.1	9.2		-175.71	190.0	0.0	454.8	446.6	8.24	55.173		
2,500.0	2,465.7	2,467.1	2,466.7	9.7		-175.94	190.0	0.0	480.8	472.1	8.61	55.824		
2,600.0	2,562.3	2,563.3	2,563.0	10.2		-176.14	190.0	0.0	506.7	497.7	8.98	56.413		
2,700.0	2,658.8	2,659.8	2,659.4	10.7		-176.33	190.0	0.0	532.6	523.2	9.35	56.946		
2,800.0	2,755.4	2,755.4	2,755.1	11.2		-176.50	190.0	0.0	558.5	548.8	9.72	57.440		
2,900.0	2,852.0	2,851.3	2,850.9	11.8		-176.66	190.0	0.0	584.5	574.4	10.10	57.890		
3,000.0	2,948.5	2,949.9	2,949.5	12.3		-176.80	190.0	0.0	610.4	599.9	10.48	58.264		
3,100.0	3,045.1	3,046.5	3,046.1	12.8		-176.93	190.0	0.0	636.4	625.5	10.85	58.633		
3,200.0	3,141.7	3,143.1	3,142.7	13.3		-177.05	190.0	0.0	662.3	651.1	11.23	58.973		
3,300.0	3,238.2	3,239.8	3,239.2	13.9		-177.16	190.0	0.0	688.3	676.7	11.61	59.286		
3,400.0	3,334.8	3,336.6	3,335.8	14.4		-177.27	190.0	0.0	714.2	702.2	11.99	59.575		
3,500.0	3,431.4	3,433.5	3,432.4	15.0		-177.36	190.0	0.0	740.2	727.8	12.37	59.844		
3,600.0	3,527.9	3,530.3	3,528.9	15.5		-177.45	190.0	0.0	766.1	753.4	12.75	60.094		
3,700.0	3,624.5	3,627.2	3,625.5	16.0		-177.54	190.0	0.0	792.1	779.0	13.13	60.326		
3,800.0	3,721.1	3,724.0	3,722.1	16.6		-177.61	190.0	0.0	818.1	804.5	13.51	60.544		
3,900.0	3,817.6	3,820.8	3,818.6	17.1		-177.69	190.0	0.0	844.0	830.1	13.89	60.747		
4,000.0	3,914.2	3,917.7	3,915.2	17.6		-177.76	190.0	0.0	870.0	855.7	14.28	60.937		
4,100.0	4,010.8	4,014.7	4,011.7	18.2		-177.82	190.0	0.0	896.0	881.3	14.66	61.116		
4,200.0	4,107.3	4,112.0	4,108.3	18.7		-177.88	190.0	0.0	921.9	906.9	15.04	61.284		
4,300.0	4,203.9	4,207.9	4,203.2	19.3		-177.86	189.3	1.5	946.9	931.5	15.42	61.400		
4,400.0	4,300.4	4,303.6	4,298.0	19.8		-177.91	189.3	1.4	972.9	957.1	15.80	61.573		
4,500.0	4,397.0	4,399.2	4,392.6	20.4		-177.97	189.3	1.4	998.9	982.7	16.18	61.738		
4,600.0	4,493.6	4,494.8	4,487.5	20.9		-178.03	189.3	1.3	1,024.9	1,008.4	16.56	61.894		
4,700.0	4,590.1	4,590.6	4,582.5	21.5		-178.08	189.3	1.1	1,050.9	1,034.0	16.94	62.040		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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:													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
4,800.0	4,686.7	4,686.3	4,677.6	22.0		-178.13	189.4	1.1	1,077.0	1,059.7	17.32	62.182		
4,900.0	4,783.3	4,781.7	4,772.3	22.5		-178.17	189.4	1.2	1,103.0	1,085.3	17.70	62.317		
5,000.0	4,879.8	4,876.9	4,866.7	23.1		-178.21	189.4	1.1	1,129.0	1,110.9	18.08	62.451		
5,100.0	4,976.4	4,971.1	4,960.0	23.6		-178.24	189.3	1.3	1,154.9	1,136.4	18.45	62.584		
5,200.0	5,073.0	5,066.4	5,054.4	24.2		-178.29	189.4	1.2	1,181.0	1,162.1	18.83	62.708		
5,300.0	5,169.5	5,162.9	5,150.0	24.7		-178.33	189.5	1.0	1,207.1	1,187.8	19.22	62.815		
5,400.0	5,266.1	5,258.5	5,245.0	25.3		-178.37	189.5	0.9	1,233.1	1,213.5	19.60	62.924		
5,500.0	5,362.7	5,353.1	5,339.0	25.8		-178.41	189.5	0.9	1,259.1	1,239.2	19.98	63.034		
5,600.0	5,459.2	5,448.4	5,433.6	26.4		-178.44	189.5	0.8	1,285.2	1,264.8	20.36	63.135		
5,700.0	5,555.8	5,572.6	5,556.8	26.9		-178.51	190.0	0.0	1,311.5	1,290.6	20.83	62.957		
5,800.0	5,652.4	5,669.6	5,653.4	27.5		-178.54	190.0	0.0	1,337.5	1,316.2	21.22	63.031		
5,900.0	5,748.9	5,766.4	5,749.9	28.0		-178.57	190.0	0.0	1,363.4	1,341.8	21.61	63.102		
6,000.0	5,845.5	5,863.1	5,846.5	28.6		-178.60	190.0	0.0	1,389.4	1,367.4	21.99	63.170		
6,100.0	5,942.1	5,959.8	5,943.1	29.1		-178.62	190.0	0.0	1,415.4	1,393.0	22.38	63.235		
6,200.0	6,038.6	6,056.3	6,039.6	29.7		-178.65	190.0	0.0	1,441.4	1,418.6	22.77	63.297		
6,300.0	6,135.2	6,152.9	6,136.2	30.2		-178.67	190.0	0.0	1,467.3	1,444.2	23.16	63.357		
6,400.0	6,231.8	6,249.5	6,232.8	30.8		-178.69	190.0	0.0	1,493.3	1,469.8	23.55	63.415		
6,500.0	6,328.3	6,346.0	6,329.3	31.3		-178.72	190.0	0.0	1,519.3	1,495.3	23.94	63.470		
6,600.0	6,424.9	6,442.6	6,425.9	31.9		-178.74	190.0	0.0	1,545.3	1,520.9	24.33	63.523		
6,700.0	6,521.5	6,539.2	6,522.5	32.4		-178.76	190.0	0.0	1,571.2	1,546.5	24.71	63.575		
6,800.0	6,618.0	6,635.7	6,619.0	33.0		-178.78	190.0	0.0	1,597.2	1,572.1	25.10	63.624		
6,900.0	6,714.6	6,732.3	6,715.6	33.5		-178.80	190.0	0.0	1,623.2	1,597.7	25.49	63.672		
6,942.4	6,755.5	6,767.4	6,750.7	33.8		-178.80	190.0	0.0	1,634.2	1,608.5	25.64	63.737		
7,000.0	6,811.3	6,828.8	6,812.0	34.1		-178.82	189.9	0.0	1,648.7	1,622.8	25.88	63.703		
7,100.0	6,908.5	6,925.2	6,908.4	34.6		-178.84	189.9	0.1	1,671.9	1,645.6	26.26	63.661		
7,200.0	7,006.4	7,021.5	7,004.7	35.1		-178.86	189.8	0.2	1,692.5	1,665.9	26.64	63.542		
7,300.0	7,104.7	7,119.8	7,103.0	35.5		-178.88	189.9	0.1	1,710.7	1,683.7	27.01	63.337		
7,400.0	7,203.5	7,218.8	7,202.0	36.0		-178.90	189.9	0.0	1,726.3	1,698.9	27.38	63.054		
7,500.0	7,302.6	7,313.9	7,297.1	36.4		-178.91	189.9	0.1	1,739.2	1,711.4	27.73	62.727		
7,600.0	7,402.1	7,418.9	7,402.1	36.7		-178.92	190.0	-0.1	1,749.7	1,721.6	28.10	62.268		
7,700.0	7,501.8	7,536.4	7,502.8	37.1		-178.93	190.0	0.0	1,757.4	1,729.0	28.45	61.774		
7,800.0	7,601.6	7,618.4	7,601.5	37.4		-178.93	190.0	0.0	1,762.6	1,733.8	28.79	61.231		
7,900.0	7,701.6	7,719.5	7,702.6	37.7		-178.93	190.0	0.0	1,765.1	1,736.0	29.12	60.612		
7,946.4	7,748.0	7,765.3	7,748.5	37.8		-8.90	189.9	-0.2	1,765.3	1,736.0	29.27	60.320		
7,950.0	7,751.6	7,768.5	7,751.6	37.8		81.46	189.9	-0.2	1,765.3	1,736.0	29.27	60.301		
8,000.0	7,801.5	7,819.4	7,802.5	37.9		81.58	190.0	0.0	1,765.0	1,735.6	29.43	59.972		
8,050.0	7,851.0	7,867.1	7,850.2	38.1		81.88	189.9	-0.1	1,763.9	1,734.3	29.57	59.647		
8,100.0	7,899.8	7,917.7	7,900.8	38.2		82.40	190.0	0.0	1,762.4	1,732.7	29.72	59.297		
8,150.0	7,947.4	7,963.3	7,946.5	38.3		83.05	189.9	-0.1	1,760.3	1,730.5	29.85	58.963		
8,200.0	7,993.4	8,011.3	7,994.4	38.3		83.89	190.0	0.0	1,758.0	1,728.0	30.00	58.608		
8,250.0	8,037.6	8,053.2	8,036.3	38.4		84.78	189.9	-0.1	1,755.3	1,725.2	30.12	58.274		
8,300.0	8,079.6	8,097.5	8,080.6	38.5		85.82	190.0	0.0	1,752.8	1,722.5	30.26	57.921		
8,350.0	8,119.0	8,136.8	8,119.9	38.5		86.85	189.9	-0.1	1,750.2	1,719.8	30.40	57.577		
8,400.0	8,155.7	8,166.9	8,150.0	38.6		87.73	189.9	0.0	1,748.2	1,717.6	30.52	57.281		
8,450.0	8,189.2	8,207.1	8,190.2	38.6		88.86	190.0	0.0	1,746.7	1,716.0	30.70	56.903		
8,500.0	8,219.4	8,240.7	8,223.8	38.7		89.82	190.2	0.1	1,746.1	1,715.2	30.88	56.550		
8,524.7	8,233.0	8,260.3	8,243.4	38.7		90.36	190.1	0.0	1,746.0	1,715.0	30.99	56.340		
8,550.0	8,246.0	8,279.1	8,262.2	38.7		90.88	190.0	0.0	1,746.1	1,715.0	31.10	56.138		
8,600.0	8,268.8	8,286.7	8,269.8	38.7		90.99	190.0	0.0	1,747.3	1,716.0	31.26	55.895		
8,650.0	8,287.6	8,305.6	8,288.6	38.7		91.31	190.0	0.0	1,749.8	1,718.3	31.49	55.567		
8,700.0	8,302.4	8,320.3	8,303.4	38.8		91.38	190.0	0.0	1,753.7	1,722.0	31.74	55.249		
8,750.0	8,312.9	8,335.4	8,318.5	38.8		91.33	190.2	0.0	1,759.2	1,727.2	32.03	54.927		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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:													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
8,800.0	8,319.1	8,345.4	8,328.5	38.8		90.98	190.2	0.0	1,765.9	1,733.6	32.33	54.629		
8,846.4	8,321.0	8,348.5	8,331.5	38.9		90.31	190.2	0.0	1,773.5	1,740.9	32.60	54.396		
8,904.4	8,321.0	8,348.5	8,331.6	39.0		90.32	190.2	0.0	1,784.6	1,751.6	32.96	54.142		
9,000.0	8,321.0	8,348.7	8,331.7	39.2		90.32	190.2	0.0	1,806.7	1,773.1	33.60	53.773		
9,100.0	8,321.0	8,348.8	8,331.9	39.5		90.32	190.2	0.0	1,835.0	1,800.7	34.31	53.475		
9,200.0	8,321.0	8,348.9	8,332.0	40.0		90.33	190.2	0.0	1,868.2	1,833.1	35.06	53.287		
9,300.0	8,321.0	8,349.1	8,332.1	40.8		90.33	190.2	0.0	1,906.0	1,870.2	35.81	53.222		
9,400.0	8,321.0	8,349.2	8,332.3	41.8		90.34	190.2	0.0	1,948.3	1,911.8	36.56	53.286		
9,500.0	8,321.0	8,349.3	8,332.4	43.0		90.34	190.2	0.0	1,994.7	1,957.4	37.30	53.481		
9,600.0	8,321.0	8,349.5	8,332.5	44.3		90.35	190.2	0.0	2,044.9	2,006.9	38.01	53.805		
9,700.0	8,321.0	8,349.6	8,332.7	45.8		90.35	190.2	0.0	2,098.7	2,060.0	38.68	54.254		
9,800.0	8,321.0	8,349.8	8,332.8	47.4		90.36	190.2	0.0	2,155.8	2,116.5	39.33	54.820		
9,900.0	8,321.0	8,349.9	8,333.0	49.1		90.36	190.2	0.0	2,216.0	2,176.0	39.93	55.497		
10,000.0	8,321.0	8,350.1	8,333.1	50.9		90.37	190.2	0.0	2,278.9	2,238.4	40.50	56.276		
10,100.0	8,321.0	8,350.2	8,333.3	52.8		90.37	190.2	0.0	2,344.4	2,303.4	41.02	57.150		
10,200.0	8,321.0	8,350.4	8,333.4	54.7		90.38	190.2	0.0	2,412.3	2,370.8	41.51	58.110		
10,300.0	8,321.0	8,350.5	8,333.6	56.6		90.38	190.2	0.0	2,482.4	2,440.4	41.97	59.150		
10,400.0	8,321.0	8,350.7	8,333.7	58.6		90.39	190.2	0.0	2,554.4	2,512.0	42.39	60.263		
10,500.0	8,321.0	8,350.8	8,333.9	60.6		90.39	190.2	0.0	2,628.3	2,585.5	42.78	61.442		
10,600.0	8,321.0	8,351.0	8,334.0	62.7		90.40	190.2	0.0	2,703.9	2,660.7	43.14	62.681		
10,700.0	8,321.0	8,351.1	8,334.2	64.7		90.40	190.2	0.0	2,781.0	2,737.5	43.47	63.976		
10,800.0	8,321.0	8,351.3	8,334.4	66.8		90.41	190.2	0.0	2,859.5	2,815.7	43.78	65.320		
10,900.0	8,321.0	8,351.5	8,334.5	69.0		90.41	190.2	0.0	2,939.3	2,895.2	44.06	66.710		
11,000.0	8,321.0	8,351.6	8,334.7	71.1		90.42	190.2	0.0	3,020.3	2,976.0	44.32	68.142		
11,100.0	8,321.0	8,351.8	8,334.9	73.3		90.42	190.2	0.0	3,102.5	3,057.9	44.57	69.611		
11,200.0	8,321.0	8,352.0	8,335.0	75.5		90.43	190.2	0.0	3,185.6	3,140.8	44.80	71.115		
11,300.0	8,321.0	8,352.1	8,335.2	77.7		90.43	190.2	0.0	3,269.7	3,224.7	45.01	72.651		
11,400.0	8,321.0	8,352.3	8,335.4	79.9		90.44	190.2	0.0	3,354.7	3,309.5	45.20	74.216		
11,500.0	8,321.0	8,352.5	8,335.6	82.1		90.45	190.1	0.0	3,440.5	3,395.1	45.39	75.807		
11,600.0	8,321.0	8,352.7	8,335.7	84.4		90.45	190.1	0.0	3,527.0	3,481.5	45.56	77.422		
11,700.0	8,321.0	8,352.8	8,335.9	86.7		90.46	190.1	0.0	3,614.2	3,568.5	45.72	79.059		
11,800.0	8,321.0	8,353.0	8,336.1	88.9		90.46	190.1	0.0	3,702.1	3,656.3	45.87	80.716		
11,900.0	8,321.0	8,353.2	8,336.3	91.2		90.47	190.1	0.0	3,790.6	3,744.6	46.01	82.392		
12,000.0	8,321.0	8,353.4	8,336.5	93.5		90.48	190.1	0.0	3,879.6	3,833.5	46.14	84.085		
12,100.0	8,321.0	8,353.6	8,336.7	95.8		90.48	190.1	0.0	3,969.2	3,922.9	46.26	85.793		
12,200.0	8,321.0	8,353.8	8,336.8	98.1		90.49	190.1	0.0	4,059.2	4,012.8	46.38	87.515		
12,300.0	8,321.0	8,354.0	8,337.0	100.4		90.50	190.1	0.0	4,149.7	4,103.2	46.50	89.250		
12,400.0	8,321.0	8,354.2	8,337.2	102.7		90.50	190.1	0.0	4,240.7	4,194.1	46.60	90.997		
12,500.0	8,321.0	8,354.4	8,337.4	105.0		90.51	190.1	0.0	4,332.0	4,285.3	46.70	92.755		
12,600.0	8,321.0	8,354.6	8,337.6	107.4		90.51	190.1	0.0	4,423.7	4,376.9	46.80	94.523		
12,700.0	8,321.0	8,354.8	8,337.8	109.7		90.52	190.1	0.0	4,515.7	4,468.8	46.89	96.300		
12,800.0	8,321.0	8,355.0	8,338.0	112.0		90.53	190.1	0.0	4,608.1	4,561.1	46.98	98.085		
12,900.0	8,321.0	8,355.2	8,338.2	114.4		90.53	190.1	0.0	4,700.8	4,653.8	47.07	99.877		
13,000.0	8,321.0	8,355.4	8,338.5	116.7		90.54	190.1	0.0	4,793.8	4,746.7	47.15	101.676		
13,100.0	8,321.0	8,355.6	8,338.7	119.1		90.55	190.1	0.0	4,887.1	4,839.8	47.23	103.481		
13,200.0	8,321.0	8,355.8	8,338.9	121.4		90.56	190.1	0.0	4,980.6	4,933.3	47.30	105.291		
13,300.0	8,321.0	8,356.1	8,339.1	123.8		90.56	190.1	0.0	5,074.4	5,027.0	47.38	107.107		
13,400.0	8,321.0	8,356.3	8,339.3	126.1		90.57	190.1	0.0	5,168.4	5,120.9	47.45	108.927		
13,500.0	8,321.0	8,356.5	8,339.6	128.5		90.58	190.1	0.0	5,262.6	5,215.1	47.52	110.750		
13,594.1	8,321.0	8,356.8	8,339.9	130.7		90.59	190.1	0.0	5,351.4	5,303.8	47.58	112.476		
13,600.0	8,321.0	8,356.8	8,339.9	130.9		90.59	190.1	0.0	5,357.0	5,309.4	47.58	112.584		
13,696.0	8,321.0	8,357.1	8,340.1	133.2		90.66	190.1	0.0	5,448.3	5,400.7	47.64	114.359		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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:													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
13,700.0	8,321.0	8,357.1	8,340.1	133.3		90.67	190.1	0.0	5,452.2	5,404.6	47.65	114,433		
13,800.0	8,321.0	8,357.4	8,340.4	135.6		90.68	190.1	0.0	5,548.1	5,500.4	47.70	116,303		
13,900.0	8,321.0	8,357.7	8,340.7	138.0		90.69	190.1	0.0	5,644.1	5,596.3	47.76	118,174		
14,000.0	8,321.0	8,358.0	8,341.0	140.4		90.70	190.1	0.0	5,740.3	5,692.4	47.82	120,045		
14,100.0	8,321.0	8,358.3	8,341.3	142.8		90.71	190.1	0.0	5,836.5	5,788.7	47.87	121,917		
14,200.0	8,321.0	8,358.6	8,341.6	145.2		90.72	190.1	0.0	5,933.0	5,885.0	47.93	123,789		
14,300.0	8,321.0	8,358.9	8,342.0	147.5		90.73	190.1	0.0	6,029.5	5,981.5	47.98	125,661		
14,400.0	8,321.0	8,359.2	8,342.3	149.9		90.74	190.1	0.0	6,126.1	6,078.1	48.04	127,532		
14,500.0	8,321.0	8,359.6	8,342.6	152.3		90.76	190.1	0.0	6,222.9	6,174.8	48.09	129,402		
14,600.0	8,321.0	8,359.9	8,343.0	154.7		90.77	190.1	0.0	6,319.7	6,271.6	48.14	131,271		
14,700.0	8,321.0	8,360.2	8,343.3	157.1		90.78	190.1	0.0	6,416.6	6,368.4	48.19	133,139		
14,800.0	8,321.0	8,360.6	8,343.6	159.5		90.79	190.1	0.0	6,513.7	6,465.4	48.25	135,006		
14,900.0	8,321.0	8,360.9	8,344.0	161.9		90.81	190.1	0.0	6,610.8	6,562.5	48.30	136,872		
15,000.0	8,321.0	8,361.3	8,344.4	164.3		90.82	190.1	0.0	6,708.0	6,659.7	48.35	138,735		
15,100.0	8,321.0	8,361.7	8,344.7	166.7		90.83	190.1	0.0	6,805.3	6,756.9	48.40	140,597		
15,200.0	8,321.0	8,362.0	8,345.1	169.1		90.85	190.1	0.0	6,902.7	6,854.2	48.45	142,456		
15,300.0	8,321.0	8,362.4	8,345.5	171.5		90.86	190.1	0.0	7,000.1	6,951.6	48.51	144,313		
15,400.0	8,321.0	8,362.8	8,345.9	173.9		90.88	190.1	0.0	7,097.6	7,049.0	48.56	146,168		
15,500.0	8,321.0	8,363.2	8,346.3	176.3		90.89	190.1	0.0	7,195.2	7,146.6	48.61	148,020		
15,600.0	8,321.0	8,363.6	8,346.7	178.7		90.91	190.1	0.0	7,292.8	7,244.2	48.66	149,870		
15,700.0	8,321.0	8,364.0	8,347.1	181.1		90.92	190.1	0.0	7,390.5	7,341.8	48.71	151,717		
15,800.0	8,321.0	8,364.5	8,347.5	183.5		90.94	190.1	0.0	7,488.3	7,439.5	48.76	153,561		
15,900.0	8,321.0	8,364.9	8,348.0	185.9		90.95	190.1	0.0	7,586.1	7,537.3	48.82	155,401		
16,000.0	8,321.0	8,365.3	8,348.4	188.3		90.97	190.1	0.0	7,684.0	7,635.1	48.87	157,239		
16,100.0	8,321.0	8,365.8	8,348.8	190.8		90.98	190.0	0.0	7,781.9	7,733.0	48.92	159,073		
16,200.0	8,321.0	8,366.2	8,349.3	193.2		91.00	190.0	0.0	7,879.9	7,831.0	48.97	160,904		
16,300.0	8,321.0	8,366.7	8,349.8	195.6		91.02	190.0	0.0	7,978.0	7,928.9	49.03	162,731		
16,400.0	8,321.0	8,367.2	8,350.3	198.0		91.04	190.0	0.0	8,076.1	8,027.0	49.08	164,555		
16,500.0	8,321.0	8,367.7	8,350.7	200.4		91.05	190.0	0.0	8,174.2	8,125.1	49.13	166,375		
16,600.0	8,321.0	8,368.2	8,351.2	202.8		91.07	190.0	0.0	8,272.4	8,223.2	49.18	168,191		
16,700.0	8,321.0	8,368.7	8,351.8	205.2		91.09	190.0	0.0	8,370.6	8,321.3	49.24	170,003		
16,800.0	8,321.0	8,369.2	8,352.3	207.7		91.11	190.0	0.0	8,468.8	8,419.6	49.29	171,811		
16,900.0	8,321.0	8,369.8	8,352.8	210.1		91.13	190.0	0.0	8,567.1	8,517.8	49.35	173,615		
17,000.0	8,321.0	8,370.3	8,353.4	212.5		91.15	190.0	0.0	8,665.5	8,616.1	49.40	175,415		
17,100.0	8,321.0	8,370.9	8,353.9	214.9		91.17	190.0	0.0	8,763.9	8,714.4	49.45	177,211		
17,200.0	8,321.0	8,371.5	8,354.5	217.3		91.19	190.0	0.0	8,862.3	8,812.8	49.51	179,002		
17,300.0	8,321.0	8,372.0	8,355.1	219.8		91.21	190.0	0.0	8,960.7	8,911.2	49.56	180,789		
17,400.0	8,321.0	8,372.7	8,355.7	222.2		91.24	190.0	0.0	9,059.2	9,009.6	49.62	182,571		
17,500.0	8,321.0	8,373.3	8,356.3	224.6		91.26	190.0	0.0	9,157.7	9,108.1	49.68	184,349		
17,600.0	8,321.0	8,373.9	8,357.0	227.0		91.28	190.0	0.0	9,256.3	9,206.5	49.73	186,122		
17,700.0	8,321.0	8,374.6	8,357.6	229.4		91.31	190.0	0.0	9,354.9	9,305.1	49.79	187,890		
17,800.0	8,321.0	8,375.2	8,358.3	231.9		91.33	190.0	0.0	9,453.5	9,403.6	49.85	189,654		
17,900.0	8,321.0	8,375.9	8,359.0	234.3		91.36	189.9	0.0	9,552.1	9,502.2	49.90	191,412		
18,000.0	8,321.0	8,376.6	8,359.7	236.7		91.38	189.9	0.0	9,650.8	9,600.8	49.96	193,166		
18,100.0	8,321.0	8,377.4	8,360.4	239.1		91.41	189.9	0.0	9,749.5	9,699.4	50.02	194,915		
18,200.0	8,321.0	8,378.1	8,361.2	241.6		91.44	189.9	0.0	9,848.2	9,798.1	50.08	196,659		
18,300.0	8,321.0	8,378.9	8,361.9	244.0		91.46	189.9	0.0	9,946.9	9,896.8	50.14	198,398		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	1.0	1.0	0.0	0.0	0.00	190.0	0.0	190.0					
100.0	100.0	101.0	101.0	0.1	0.1	0.03	190.0	0.1	190.0	189.7	0.27	701.077		
200.0	200.0	201.6	201.6	0.5	0.4	0.17	189.9	0.6	189.9	189.0	0.92	207.106		
300.0	300.0	303.9	303.9	0.8	0.8	0.60	189.0	2.0	189.1	187.4	1.65	114.817		
400.0	400.0	404.5	404.5	1.2	1.2	1.22	187.2	4.0	187.3	184.9	2.37	79.075		
500.0	500.0	505.1	505.0	1.6	1.5	1.93	185.2	6.2	185.3	182.2	3.09	59.914		
600.0	600.0	605.2	605.1	1.9	1.9	2.69	182.9	8.6	183.1	179.3	3.82	47.983		
700.0	700.0	703.4	703.3	2.3	2.3	3.35	181.2	10.6	181.5	176.9	4.53	40.057		
800.0	800.0	803.3	803.1	2.6	2.6	3.85	179.9	12.1	180.3	175.0	5.25	34.339		
900.0	900.0	902.5	902.3	3.0	3.0	4.31	178.7	13.5	179.2	173.2	5.96	30.041		
954.3	954.3	955.5	955.3	3.2	3.2	4.43	178.4	13.8	179.0	172.6	6.35	28.203 CC		
1,000.0	1,000.0	1,000.9	1,000.7	3.4	3.3	4.44	178.5	13.9	179.0	172.4	6.66	26.869 ES		
1,100.0	1,100.0	1,101.4	1,101.2	3.7	3.7	-165.82	178.7	13.6	180.9	173.5	7.34	24.645		
1,200.0	1,199.8	1,201.4	1,201.2	4.0	4.0	-166.34	178.4	13.1	185.6	177.6	8.00	23.200		
1,300.0	1,299.5	1,300.6	1,300.3	4.4	4.3	-167.08	178.4	12.5	194.1	185.4	8.67	22.398		
1,400.0	1,398.7	1,399.6	1,399.3	4.7	4.7	-168.08	178.5	11.4	206.1	196.8	9.34	22.070		
1,500.0	1,497.5	1,498.1	1,497.9	5.1	5.0	-169.20	178.8	10.1	221.7	211.7	10.02	22.134		
1,600.0	1,595.6	1,596.4	1,596.1	5.5	5.3	-170.21	179.0	9.2	240.7	230.0	10.70	22.497		
1,700.0	1,693.1	1,694.9	1,694.7	5.9	5.7	-170.85	179.1	9.8	262.9	251.5	11.40	23.074		
1,753.0	1,744.3	1,746.8	1,746.5	6.1	5.9	-171.07	178.9	10.6	275.9	264.1	11.77	23.443		
1,800.0	1,789.7	1,792.6	1,792.3	6.3	6.0	-171.23	178.7	11.7	287.8	275.7	12.10	23.786		
1,900.0	1,886.3	1,889.6	1,889.3	6.7	6.4	-171.52	178.2	14.0	312.9	300.1	12.80	24.452		
2,000.0	1,982.9	1,988.2	1,987.9	7.2	6.7	-171.92	177.4	15.6	337.8	324.3	13.51	25.010		
2,100.0	2,079.4	2,081.1	2,080.7	7.7	7.1	-172.25	176.8	16.9	362.8	348.7	14.19	25.569		
2,200.0	2,176.0	2,175.0	2,174.6	8.2	7.4	-172.52	177.1	18.5	388.9	374.0	14.88	26.132		
2,300.0	2,272.6	2,274.7	2,274.4	8.7	7.7	-172.80	177.5	19.8	414.9	399.3	15.61	26.586		
2,400.0	2,369.1	2,373.1	2,372.7	9.2	8.1	-173.18	177.1	20.3	440.4	424.0	16.32	26.974		
2,500.0	2,465.7	2,467.6	2,467.3	9.7	8.4	-173.51	176.9	20.6	465.9	448.9	17.02	27.367		
2,600.0	2,562.3	2,564.4	2,564.1	10.2	8.8	-173.80	176.8	21.0	491.6	473.9	17.74	27.712		
2,700.0	2,658.8	2,662.7	2,662.4	10.7	9.1	-174.07	176.5	21.5	517.1	498.7	18.46	28.007		
2,800.0	2,755.4	2,760.6	2,760.2	11.2	9.5	-174.30	175.9	22.1	542.4	523.2	19.19	28.267		
2,900.0	2,852.0	2,856.9	2,856.5	11.8	9.8	-174.48	175.4	22.8	567.6	547.7	19.91	28.514		
3,000.0	2,948.5	2,953.7	2,953.3	12.3	10.2	-174.65	174.8	23.6	592.9	572.3	20.63	28.742		
3,100.0	3,045.1	3,056.4	3,056.0	12.8	10.5	-174.73	173.9	25.3	617.8	596.4	21.39	28.881		
3,200.0	3,141.7	3,161.6	3,161.1	13.3	10.9	-174.62	171.7	29.3	641.4	619.2	22.17	28.929		
3,300.0	3,238.2	3,262.4	3,261.7	13.9	11.3	-174.34	169.0	35.1	664.2	641.3	22.93	28.961		
3,400.0	3,334.8	3,360.8	3,359.8	14.4	11.7	-174.01	166.1	41.8	686.7	663.0	23.69	28.985		
3,500.0	3,431.4	3,460.9	3,459.7	15.0	12.1	-173.67	163.0	48.8	709.1	684.6	24.46	28.988		
3,600.0	3,527.9	3,562.5	3,560.9	15.5	12.5	-173.36	159.2	55.8	730.8	705.6	25.24	28.952		
3,700.0	3,624.5	3,659.5	3,657.7	16.0	12.8	-173.10	155.3	62.3	752.3	726.3	26.00	28.936		
3,800.0	3,721.1	3,755.2	3,753.0	16.6	13.2	-172.87	151.7	68.5	774.1	747.4	26.75	28.937		
3,900.0	3,817.6	3,856.9	3,854.5	17.1	13.6	-172.64	147.8	75.1	795.9	768.4	27.54	28.899		
4,000.0	3,914.2	3,967.0	3,964.0	17.6	14.1	-172.28	142.5	84.1	816.6	788.2	28.39	28.767		
4,100.0	4,010.8	4,070.2	4,066.5	18.2	14.5	-171.76	136.5	95.3	836.2	807.0	29.22	28.620		
4,200.0	4,107.3	4,171.0	4,166.3	18.7	15.0	-171.18	130.2	107.9	855.5	825.4	30.06	28.462		
4,300.0	4,203.9	4,267.3	4,261.6	19.3	15.4	-170.63	124.1	120.0	874.7	843.8	30.88	28.327		
4,400.0	4,300.4	4,366.4	4,359.8	19.8	15.9	-170.13	117.8	132.0	894.0	862.3	31.72	28.184		
4,500.0	4,397.0	4,463.1	4,455.7	20.4	16.3	-169.70	111.6	143.0	913.3	880.8	32.55	28.063		
4,600.0	4,493.6	4,559.3	4,551.1	20.9	16.7	-169.35	105.6	153.0	932.8	899.5	33.37	27.957		
4,700.0	4,590.1	4,652.6	4,643.8	21.5	17.2	-169.03	100.2	162.7	952.8	918.6	34.17	27.883		
4,800.0	4,686.7	4,750.5	4,741.0	22.0	17.6	-168.67	94.6	173.5	973.0	937.9	35.01	27.788		
4,900.0	4,783.3	4,853.1	4,842.7	22.5	18.1	-168.28	88.7	185.1	993.0	957.1	35.90	27.664		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	4,879.8	4,956.3	4,944.9	23.1	18.6	-167.85	81.9	198.0	1,012.4	975.6	36.80	27.512		
5,100.0	4,976.4	5,050.4	5,038.1	23.6	19.1	-167.48	75.7	209.3	1,031.8	994.1	37.64	27.409		
5,200.0	5,073.0	5,143.6	5,130.6	24.2	19.5	-167.20	70.1	219.5	1,051.7	1,013.2	38.47	27.338		
5,300.0	5,169.5	5,242.3	5,228.5	24.7	20.0	-166.94	64.4	229.6	1,071.9	1,032.5	39.33	27.255		
5,400.0	5,266.1	5,342.5	5,328.0	25.3	20.4	-166.69	58.3	239.9	1,091.8	1,051.6	40.20	27.161		
5,500.0	5,362.7	5,438.1	5,423.0	25.8	20.9	-166.48	52.5	249.2	1,111.8	1,070.7	41.03	27.095		
5,600.0	5,459.2	5,537.3	5,521.7	26.4	21.4	-166.32	46.8	258.2	1,131.9	1,090.0	41.88	27.025		
5,700.0	5,555.8	5,625.5	5,609.4	26.9	21.8	-166.19	41.8	265.7	1,152.1	1,109.5	42.65	27.013		
5,800.0	5,652.4	5,710.0	5,693.6	27.5	22.1	-166.14	38.0	271.8	1,173.5	1,130.2	43.37	27.060		
5,900.0	5,748.9	5,802.6	5,786.0	28.0	22.5	-166.19	34.9	276.3	1,195.8	1,151.7	44.11	27.109		
6,000.0	5,845.5	5,891.6	5,874.9	28.6	22.8	-166.29	32.2	279.6	1,218.3	1,173.5	44.81	27.191		
6,100.0	5,942.1	5,975.6	5,958.8	29.1	23.1	-166.47	30.6	280.9	1,242.0	1,196.5	45.44	27.333		
6,200.0	6,038.6	6,064.5	6,047.7	29.7	23.4	-166.71	29.8	281.2	1,266.4	1,220.3	46.08	27.482		
6,300.0	6,135.2	6,155.8	6,139.1	30.2	23.7	-166.95	29.4	281.5	1,291.3	1,244.6	46.74	27.628		
6,400.0	6,231.8	6,250.2	6,233.5	30.8	24.0	-167.18	29.3	281.8	1,316.6	1,269.2	47.42	27.764		
6,500.0	6,328.3	6,345.6	6,328.9	31.3	24.3	-167.39	29.1	282.4	1,341.9	1,293.7	48.12	27.887		
6,600.0	6,424.9	6,432.9	6,416.2	31.9	24.6	-167.58	29.5	283.0	1,367.7	1,318.9	48.75	28.054		
6,700.0	6,521.5	6,535.7	6,518.9	32.4	25.0	-167.81	30.2	283.5	1,393.8	1,344.3	49.49	28.161		
6,800.0	6,618.0	6,647.1	6,630.4	33.0	25.3	-168.04	29.7	284.1	1,418.8	1,368.5	50.30	28.205		
6,900.0	6,714.6	6,742.6	6,725.9	33.5	25.7	-168.23	28.9	284.4	1,443.4	1,392.4	51.00	28.305		
6,942.4	6,755.5	6,781.9	6,765.1	33.8	25.8	-168.32	28.6	284.5	1,454.0	1,402.7	51.28	28.353		
7,000.0	6,811.3	6,842.0	6,825.3	34.1	26.0	-168.47	28.2	284.7	1,467.8	1,416.1	51.72	28.382		
7,100.0	6,908.5	6,947.6	6,930.9	34.6	26.3	-168.68	26.9	285.9	1,489.5	1,437.0	52.49	28.379		
7,200.0	7,006.4	7,041.1	7,024.3	35.1	26.7	-168.84	25.6	287.2	1,508.5	1,455.3	53.17	28.371		
7,300.0	7,104.7	7,134.3	7,117.5	35.5	27.0	-168.99	24.8	287.7	1,525.4	1,471.5	53.83	28.334		
7,400.0	7,203.5	7,246.0	7,229.2	36.0	27.4	-169.14	23.5	288.2	1,539.6	1,485.0	54.62	28.189		
7,500.0	7,302.6	7,327.9	7,311.1	36.4	27.6	-169.23	22.7	288.5	1,551.3	1,496.1	55.18	28.112		
7,600.0	7,402.1	7,411.8	7,395.0	36.7	27.9	-169.36	22.7	287.4	1,561.5	1,505.8	55.73	28.021		
7,700.0	7,501.8	7,527.1	7,510.3	37.1	28.2	-169.54	23.0	284.7	1,569.4	1,512.9	56.47	27.791		
7,800.0	7,601.6	7,635.2	7,618.4	37.4	28.6	-169.66	22.2	282.8	1,573.7	1,516.6	57.17	27.529		
7,900.0	7,701.6	7,736.3	7,719.4	37.7	28.9	-169.73	21.2	281.4	1,575.2	1,517.4	57.81	27.248		
7,946.4	7,748.0	7,782.5	7,765.6	37.8	29.0	0.28	20.7	280.7	1,575.0	1,516.9	58.10	27.109		
7,950.0	7,751.6	7,786.1	7,769.2	37.8	29.0	90.64	20.7	280.7	1,574.9	1,516.8	58.12	27.098		
8,000.0	7,801.5	7,835.2	7,818.3	37.9	29.2	90.76	20.2	280.0	1,574.4	1,516.0	58.42	26.949		
8,050.0	7,851.0	7,883.4	7,866.5	38.1	29.3	91.01	19.7	279.4	1,574.1	1,515.3	58.73	26.803		
8,100.0	7,899.8	7,933.7	7,916.8	38.2	29.5	91.42	19.3	278.9	1,573.8	1,514.8	59.05	26.651		
8,150.0	7,947.4	7,984.5	7,967.6	38.3	29.7	91.98	18.7	278.3	1,573.7	1,514.3	59.39	26.499		
8,152.2	7,949.4	7,986.8	7,969.9	38.3	29.7	92.01	18.7	278.3	1,573.7	1,514.3	59.40	26.493		
8,200.0	7,993.4	8,031.2	8,014.3	38.3	29.8	92.61	18.1	277.9	1,573.9	1,514.2	59.70	26.361		
8,250.0	8,037.6	8,075.3	8,058.3	38.4	29.9	93.28	17.6	277.5	1,574.5	1,514.5	60.01	26.236		
8,300.0	8,079.6	8,108.0	8,091.1	38.5	30.1	93.78	17.3	277.3	1,575.9	1,515.6	60.26	26.150		
8,350.0	8,119.0	8,134.5	8,117.6	38.5	30.1	94.12	17.2	277.2	1,578.4	1,518.0	60.49	26.096		
8,400.0	8,155.7	8,159.0	8,142.1	38.6	30.2	94.34	17.3	277.3	1,582.2	1,521.5	60.71	26.063		
8,450.0	8,189.2	8,183.0	8,166.1	38.6	30.3	94.47	17.6	277.4	1,587.4	1,526.5	60.95	26.044		
8,500.0	8,219.4	8,209.0	8,192.0	38.7	30.4	94.56	18.1	277.5	1,594.0	1,532.8	61.24	26.031		
8,550.0	8,246.0	8,234.1	8,217.2	38.7	30.5	94.53	18.5	277.6	1,602.0	1,540.4	61.54	26.030		
8,600.0	8,268.8	8,255.7	8,238.8	38.7	30.5	94.26	18.9	277.7	1,611.4	1,549.6	61.85	26.052		
8,650.0	8,287.6	8,273.5	8,256.6	38.7	30.6	93.73	19.2	277.8	1,622.4	1,560.3	62.17	26.098		
8,700.0	8,302.4	8,289.9	8,272.9	38.8	30.6	93.00	19.6	277.8	1,635.0	1,572.5	62.50	26.160		
8,750.0	8,312.9	8,301.9	8,284.9	38.8	30.7	91.96	19.8	277.8	1,649.1	1,586.3	62.82	26.250		
8,800.0	8,319.1	8,308.9	8,292.0	38.8	30.7	90.57	19.9	277.8	1,664.7	1,601.6	63.13	26.369		
8,846.4	8,321.0	8,311.0	8,294.0	38.9	30.7	88.98	19.9	277.9	1,680.4	1,617.0	63.40	26.505		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,904.4	8,321.0	8,310.8	8,293.9	39.0	30.7	88.98	19.9	277.9	1,701.5	1,637.8	63.72	26.702		
9,000.0	8,321.0	8,310.6	8,293.6	39.2	30.7	88.97	19.9	277.9	1,740.0	1,675.8	64.28	27.070		
9,100.0	8,321.0	8,310.3	8,293.4	39.5	30.7	88.96	19.9	277.8	1,784.9	1,720.1	64.87	27.514		
9,200.0	8,321.0	8,310.0	8,293.1	40.0	30.7	88.95	19.9	277.8	1,834.2	1,768.7	65.47	28.017		
9,300.0	8,321.0	8,309.8	8,292.8	40.8	30.7	88.94	19.9	277.8	1,887.5	1,821.4	66.05	28.577		
9,400.0	8,321.0	8,309.5	8,292.6	41.8	30.7	88.93	19.9	277.8	1,944.4	1,877.8	66.61	29.192		
9,500.0	8,321.0	8,309.2	8,292.3	43.0	30.7	88.92	19.9	277.8	2,004.7	1,937.6	67.14	29.858		
9,600.0	8,321.0	8,309.0	8,292.0	44.3	30.7	88.91	19.9	277.8	2,068.2	2,000.5	67.65	30.572		
9,700.0	8,321.0	8,308.7	8,291.8	45.8	30.7	88.90	19.9	277.8	2,134.4	2,066.2	68.12	31.332		
9,800.0	8,321.0	8,308.4	8,291.5	47.4	30.7	88.89	19.9	277.8	2,203.1	2,134.6	68.56	32.132		
9,900.0	8,321.0	8,308.1	8,291.2	49.1	30.7	88.88	19.9	277.8	2,274.2	2,205.2	68.98	32.971		
10,000.0	8,321.0	8,307.9	8,290.9	50.9	30.7	88.87	19.9	277.8	2,347.4	2,278.0	69.36	33.845		
10,100.0	8,321.0	8,307.6	8,290.7	52.8	30.7	88.86	19.9	277.8	2,422.5	2,352.8	69.71	34.750		
10,200.0	8,321.0	12,208.4	10,236.1	54.7	126.5	140.89	-11.7	-1,911.0	2,479.2	2,355.8	123.46	20.082		
10,300.0	8,321.0	12,291.1	10,227.0	56.6	131.1	140.79	-13.8	-1,993.3	2,469.6	2,341.7	127.90	19.308		
10,400.0	8,321.0	12,362.0	10,218.7	58.6	135.0	140.66	-14.1	-2,063.7	2,460.7	2,328.7	132.00	18.641		
10,500.0	8,321.0	12,405.4	10,214.2	60.6	137.4	140.58	-13.7	-2,106.8	2,453.6	2,318.6	135.02	18.173		
10,600.0	8,321.0	10,600.0	10,205.0	62.7	39.2	140.41	-12.6	-2,216.5	2,448.3	2,374.7	73.59	33.270		
10,700.0	8,321.0	12,610.1	10,194.4	64.7	148.8	140.21	-11.0	-2,310.4	2,441.1	2,295.0	146.06	16.713		
10,800.0	8,321.0	12,646.0	10,191.2	66.8	150.8	140.15	-10.2	-2,346.2	2,436.3	2,287.5	148.82	16.371		
10,900.0	8,321.0	12,683.8	10,188.4	69.0	152.9	140.07	-8.5	-2,383.8	2,434.1	2,282.5	151.63	16.054		
10,931.3	8,321.0	12,694.6	10,187.7	69.6	153.6	140.04	-7.7	-2,394.6	2,434.0	2,281.5	152.46	15.964		
11,000.0	8,321.0	12,741.0	10,184.4	71.1	156.1	139.90	-2.8	-2,440.6	2,434.9	2,279.5	155.43	15.666		
11,100.0	8,321.0	12,776.5	10,181.9	73.3	158.1	139.77	1.9	-2,475.7	2,437.7	2,279.5	158.20	15.409		
11,200.0	8,321.0	12,836.0	10,177.2	75.5	161.4	139.54	10.3	-2,534.4	2,441.6	2,279.4	162.24	15.049		
11,300.0	8,321.0	12,895.5	10,173.5	77.7	164.7	139.33	19.0	-2,593.2	2,447.2	2,280.9	166.27	14.719		
11,400.0	8,321.0	12,930.0	10,172.6	79.9	166.6	139.22	24.0	-2,627.3	2,455.4	2,286.6	168.82	14.545		
11,500.0	8,321.0	12,965.4	10,172.8	82.1	168.6	139.13	29.3	-2,662.3	2,466.2	2,294.9	171.32	14.396		
11,600.0	8,321.0	13,508.0	10,178.9	84.4	199.4	138.59	61.7	-3,202.4	2,479.8	2,282.4	197.34	12.566		
11,700.0	8,321.0	13,678.6	10,171.1	86.7	209.2	138.64	51.0	-3,372.4	2,472.5	2,267.4	205.15	12.053		
11,800.0	8,321.0	13,784.0	10,166.9	88.9	215.2	138.76	40.0	-3,477.1	2,462.9	2,252.6	210.32	11.710		
11,900.0	8,321.0	13,842.9	10,163.9	91.2	218.5	138.79	35.1	-3,535.7	2,454.5	2,240.4	214.12	11.463		
12,000.0	8,321.0	13,887.3	10,163.4	93.5	221.1	138.84	31.6	-3,580.0	2,448.7	2,231.5	217.25	11.271		
12,100.0	8,321.0	13,995.1	10,161.0	95.8	227.2	138.90	25.5	-3,687.5	2,443.8	2,221.0	222.75	10.971		
12,200.0	8,321.0	14,085.4	10,156.3	98.1	232.4	138.85	23.5	-3,777.8	2,438.8	2,210.8	227.98	10.697		
12,300.0	8,321.0	14,162.0	10,154.6	100.4	236.8	138.87	20.3	-3,854.2	2,434.7	2,202.3	232.42	10.476		
12,400.0	8,321.0	14,248.2	10,154.4	102.7	241.8	138.94	15.7	-3,940.3	2,431.4	2,194.4	237.02	10.258		
12,500.0	8,321.0	14,379.9	10,151.2	105.0	249.4	138.97	10.2	-4,071.9	2,427.2	2,183.6	243.57	9.965		
12,600.0	8,321.0	14,448.7	10,150.4	107.4	253.4	139.02	6.7	-4,140.5	2,423.4	2,175.8	247.60	9.787		
12,700.0	8,321.0	14,597.2	10,148.6	109.7	261.9	139.16	-3.8	-4,288.6	2,417.7	2,163.4	254.31	9.507		
12,800.0	8,321.0	14,807.5	10,137.6	112.0	274.0	139.19	-16.3	-4,497.9	2,410.3	2,146.8	263.51	9.147		
12,900.0	8,321.0	14,894.8	10,128.2	114.4	279.0	139.08	-18.7	-4,584.7	2,400.8	2,131.7	269.02	8.924		
13,000.0	8,321.0	14,950.2	10,122.2	116.7	282.2	138.99	-19.4	-4,639.7	2,392.3	2,119.0	273.30	8.753		
13,100.0	8,321.0	15,014.0	10,117.3	119.1	285.8	138.91	-19.7	-4,703.3	2,386.3	2,108.4	277.81	8.590		
13,200.0	8,321.0	15,052.8	10,115.5	121.4	288.1	138.88	-20.0	-4,742.1	2,382.0	2,101.0	281.05	8.476		
13,300.0	8,321.0	15,141.9	10,114.4	123.8	293.2	138.91	-23.0	-4,831.1	2,379.3	2,093.3	285.95	8.321		
13,400.0	8,321.0	15,265.5	10,116.9	126.1	300.4	139.13	-33.5	-4,954.2	2,375.6	2,084.3	291.28	8.156		
13,500.0	8,321.0	15,344.9	10,118.1	128.5	305.0	139.25	-39.7	-5,033.3	2,372.1	2,076.8	295.27	8.034		
13,594.1	8,321.0	15,446.0	10,115.1	130.7	310.8	139.21	-40.9	-5,134.4	2,369.4	2,068.5	300.85	7.876		
13,600.0	8,321.0	15,457.1	10,114.1	130.9	311.4	139.19	-40.4	-5,145.4	2,369.2	2,067.7	301.51	7.858		
13,696.0	8,321.0	15,483.0	10,111.3	133.2	312.9	139.09	-38.8	-5,171.1	2,368.0	2,063.6	304.41	7.779		
13,696.5	8,321.0	15,511.0	10,108.6	133.2	314.5	138.99	-37.0	-5,198.9	2,367.6	2,061.5	306.04	7.736		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,696.5	8,321.0	15,511.0	10,108.6	133.2	314.5	138.99	-37.0	-5,198.9	2,367.6	2,061.5	306.04	7.736		
13,700.0	8,321.0	15,512.2	10,108.5	133.3	314.6	138.99	-36.9	-5,200.1	2,367.6	2,061.4	306.16	7.733		
13,800.0	8,321.0	15,546.4	10,106.8	135.6	316.6	138.91	-35.4	-5,234.2	2,369.7	2,060.3	309.41	7.659		
13,900.0	8,321.0	15,609.5	10,107.9	138.0	320.2	138.86	-34.2	-5,297.2	2,374.6	2,061.0	313.60	7.572		
14,000.0	8,321.0	15,799.1	10,107.9	140.4	331.2	138.72	-34.4	-5,486.8	2,376.9	2,053.2	323.67	7.344		
14,100.0	8,321.0	15,899.1	10,104.1	142.8	337.0	138.54	-32.2	-5,586.8	2,378.2	2,048.0	330.22	7.202		
14,200.0	8,321.0	16,048.2	10,101.3	145.2	345.7	138.41	-33.7	-5,735.8	2,379.1	2,040.7	338.41	7.030		
14,300.0	8,321.0	16,201.8	10,102.6	147.5	354.6	138.57	-47.6	-5,888.7	2,376.1	2,031.2	344.91	6.889		
14,400.0	8,321.0	16,275.0	10,101.9	149.9	358.8	138.59	-52.5	-5,961.7	2,373.7	2,024.3	349.39	6.794		
14,500.0	8,321.0	16,350.5	10,100.5	152.3	363.2	138.56	-55.4	-6,037.1	2,372.5	2,018.3	354.22	6.698		
14,600.0	8,321.0	16,456.0	10,096.4	154.7	369.3	138.45	-57.2	-6,142.5	2,371.2	2,010.5	360.69	6.574		
14,666.4	8,321.0	16,498.2	10,096.6	156.3	371.7	138.46	-59.4	-6,184.7	2,370.9	2,007.5	363.41	6.524		
14,700.0	8,321.0	16,523.0	10,097.7	157.1	373.2	138.50	-61.6	-6,209.4	2,371.0	2,006.3	364.69	6.501		
14,800.0	8,321.0	16,631.8	10,103.6	159.5	379.5	138.71	-72.5	-6,317.5	2,371.2	2,002.0	369.21	6.422		
14,900.0	8,321.0	16,712.0	10,108.0	161.9	384.1	138.86	-80.3	-6,397.2	2,371.6	1,998.7	372.96	6.359		
15,000.0	8,321.0	16,897.0	10,108.6	164.3	394.8	138.95	-92.5	-6,581.6	2,370.0	1,989.0	380.99	6.221		
15,100.0	8,321.0	16,943.8	10,106.9	166.7	397.5	138.91	-93.7	-6,628.4	2,368.4	1,983.5	384.89	6.153		
15,119.7	8,321.0	16,952.4	10,106.8	167.2	398.0	138.91	-93.9	-6,637.0	2,368.3	1,982.7	385.59	6.142		
15,200.0	8,321.0	16,997.0	10,107.1	169.1	400.6	138.90	-95.3	-6,681.6	2,369.1	1,980.5	388.66	6.096		
15,300.0	8,321.0	17,071.8	10,108.5	171.5	405.0	138.90	-97.2	-6,756.3	2,371.5	1,978.4	393.16	6.032		
15,400.0	8,321.0	17,212.4	10,108.0	173.9	413.2	138.82	-98.8	-6,896.9	2,373.2	1,972.3	400.96	5.919		
15,500.0	8,321.0	17,309.2	10,108.1	176.3	418.8	138.80	-101.8	-6,993.6	2,374.1	1,967.5	406.52	5.840		
15,600.0	8,321.0	17,408.5	10,106.3	178.7	424.6	138.70	-102.0	-7,093.0	2,375.3	1,962.6	412.76	5.755		
15,700.0	8,321.0	17,544.6	10,103.7	181.1	432.5	138.60	-104.4	-7,228.9	2,375.4	1,954.9	420.47	5.649		
15,734.5	8,321.0	17,586.7	10,102.1	182.0	435.0	138.54	-104.8	-7,271.0	2,375.2	1,952.1	423.06	5.614		
15,800.0	8,321.0	17,597.5	10,102.1	183.5	435.6	138.54	-104.9	-7,281.8	2,375.6	1,951.0	424.63	5.595		
15,900.0	8,321.0	17,634.9	10,102.5	185.9	437.8	138.52	-105.2	-7,319.2	2,378.5	1,950.8	427.64	5.562		
16,000.0	8,321.0	17,685.7	10,104.9	188.3	440.7	138.53	-105.8	-7,370.0	2,383.8	1,953.0	430.82	5.533		
16,100.0	8,321.0	17,790.7	10,114.0	190.8	446.8	138.68	-110.5	-7,474.5	2,390.1	1,954.7	435.45	5.489		
16,200.0	8,321.0	17,917.7	10,125.0	193.2	454.1	138.91	-118.4	-7,600.7	2,395.3	1,954.8	440.52	5.437		
16,300.0	8,321.0	18,082.2	10,129.8	195.6	463.7	138.94	-122.9	-7,765.0	2,398.2	1,949.6	448.65	5.345		
16,400.0	8,321.0	18,156.3	10,128.6	198.0	468.0	138.84	-121.5	-7,839.1	2,400.9	1,947.0	453.90	5.290		
16,500.0	8,321.0	18,230.0	10,127.8	200.4	472.3	138.73	-119.3	-7,912.7	2,404.8	1,945.7	459.15	5.237		
16,600.0	8,321.0	18,336.7	10,126.8	202.8	478.5	138.57	-115.9	-8,019.4	2,409.0	1,942.7	466.33	5.166		
16,700.0	8,321.0	18,403.0	10,126.7	205.2	482.4	138.49	-113.8	-8,085.6	2,413.8	1,942.7	471.07	5.124		
16,800.0	8,321.0	18,500.0	10,125.9	207.7	489.2	138.31	-109.2	-8,200.5	2,418.7	1,940.1	477.55	5.077		
16,900.0	8,321.0	18,575.7	10,124.5	210.1	492.4	138.18	-105.4	-8,258.1	2,424.2	1,940.6	483.54	5.013		
17,000.0	8,321.0	18,630.6	10,123.9	212.5	495.6	138.04	-100.8	-8,312.8	2,431.8	1,943.9	487.93	4.984		
17,100.0	8,321.0	18,704.0	10,122.7	214.9	499.8	137.83	-92.6	-8,385.7	2,440.8	1,946.9	493.93	4.942		
17,200.0	8,321.0	18,888.3	10,116.8	217.3	510.4	137.24	-71.9	-8,568.8	2,449.1	1,940.0	509.08	4.811		
17,300.0	8,321.0	19,280.1	10,108.3	219.8	533.2	136.93	-77.7	-8,959.7	2,449.4	1,920.9	528.51	4.635		
17,400.0	8,321.0	19,327.1	10,108.6	222.2	535.9	136.99	-83.0	-9,006.5	2,444.9	1,912.7	532.24	4.594		
17,500.0	8,321.0	19,588.1	10,106.1	224.6	550.9	137.34	-116.9	-9,265.0	2,438.3	1,900.0	538.34	4.529		
17,600.0	8,321.0	19,649.0	10,103.2	227.0	554.4	137.39	-124.6	-9,325.3	2,429.1	1,886.1	542.95	4.474		
17,700.0	8,321.0	19,708.5	10,101.3	229.4	557.8	137.44	-131.6	-9,384.4	2,421.4	1,874.1	547.34	4.424		
17,800.0	8,321.0	19,792.2	10,099.6	231.9	562.7	137.51	-141.0	-9,467.6	2,415.2	1,863.2	551.95	4.376		
17,900.0	8,321.0	19,880.8	10,098.1	234.3	567.8	137.61	-151.2	-9,555.5	2,409.0	1,852.5	556.48	4.329		
18,000.0	8,321.0	19,976.3	10,098.2	236.7	573.3	137.74	-162.8	-9,650.4	2,403.7	1,843.0	560.74	4.287		
18,100.0	8,321.0	20,086.5	10,096.2	239.1	579.7	137.84	-175.0	-9,759.8	2,397.6	1,831.9	565.66	4.239		
18,200.0	8,321.0	20,212.6	10,091.7	241.6	587.0	137.89	-187.0	-9,885.2	2,391.4	1,820.0	571.43	4.185		
18,300.0	8,321.0	20,273.6	10,089.4	244.0	590.5	137.91	-192.9	-9,946.0	2,385.1	1,809.2	575.94	4.141		
18,400.0	8,321.0	20,330.5	10,088.8	246.4	593.8	137.96	-198.4	-10,002.6	2,380.6	1,800.6	579.96	4.105		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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 #223H - OH - Actual										Offset Site Error:	0.0 usft
Survey Program:		135-MWD										Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Distance							
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	Warning
18,500.0	8,321.0	20,405.5	10,089.6	248.8	598.1	138.05	-205.6	-10,077.2	2,377.7	1,793.7	583.94	4.072	
18,580.1	8,321.0	20,424.0	10,089.9	250.8	599.2	138.07	-207.4	-10,095.6	2,376.4	1,790.3	586.06	4.055	
18,600.0	8,321.0	20,424.0	10,089.9	251.3	599.2	138.07	-207.4	-10,095.6	2,376.5	1,790.1	586.40	4.053	
18,700.0	8,321.0	20,424.0	10,089.9	253.7	599.2	138.07	-207.4	-10,095.6	2,379.4	1,791.9	587.51	4.050 SF	
18,769.8	8,321.0	20,424.0	10,089.9	255.4	599.2	138.07	-207.4	-10,095.6	2,384.0	1,796.3	587.67	4.057	

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	1.0	1.0	0.0	0.0	15.26	110.0	30.0	114.0					
100.0	100.0	101.0	101.0	0.1	0.1	15.26	110.0	30.0	114.0	113.8	0.26	438.749		
200.0	200.0	201.0	201.0	0.5	0.5	15.26	110.0	30.0	114.0	113.1	0.98	116.731		
300.0	300.0	301.0	301.0	0.8	0.8	15.26	110.0	30.0	114.0	112.3	1.69	67.321		
400.0	400.0	401.0	401.0	1.2	1.2	15.26	110.0	30.0	114.0	111.6	2.41	47.300		
500.0	500.0	501.0	501.0	1.6	1.6	15.26	110.0	30.0	114.0	110.9	3.13	36.458		
600.0	600.0	601.0	601.0	1.9	1.9	15.26	110.0	30.0	114.0	110.2	3.84	29.659		
700.0	700.0	701.0	701.0	2.3	2.3	15.26	110.0	30.0	114.0	109.5	4.56	24.998		
800.0	800.0	801.0	801.0	2.6	2.6	15.26	110.0	30.0	114.0	108.7	5.28	21.602		
900.0	900.0	901.0	901.0	3.0	3.0	15.26	110.0	30.0	114.0	108.0	6.00	19.019		
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	15.26	110.0	30.0	114.0	107.3	6.71	16.988		
1,000.5	1,000.5	1,001.5	1,001.5	3.4	3.4	-154.78	110.0	30.0	114.0	107.3	6.72	16,979 CC, ES		
1,100.0	1,100.0	1,102.2	1,102.2	3.7	3.7	-154.79	109.3	30.5	115.1	107.7	7.40	15.548		
1,200.0	1,199.8	1,203.5	1,203.4	4.0	4.0	-154.82	107.1	32.2	118.2	110.1	8.06	14.653		
1,300.0	1,299.5	1,304.6	1,304.5	4.4	4.4	-154.88	103.5	34.9	123.3	114.6	8.74	14.115		
1,400.0	1,398.7	1,405.8	1,405.4	4.7	4.7	-154.96	98.5	38.6	130.6	121.1	9.42	13.859		
1,500.0	1,497.5	1,506.8	1,506.1	5.1	5.1	-155.04	92.1	43.4	139.9	129.7	10.11	13.828		
1,600.0	1,595.6	1,607.7	1,606.6	5.5	5.4	-155.11	84.2	49.3	151.2	140.4	10.82	13.978		
1,700.0	1,693.1	1,708.6	1,706.8	5.9	5.8	-155.19	75.0	56.2	164.6	153.1	11.54	14.272		
1,753.0	1,744.3	1,761.9	1,759.7	6.1	6.0	-155.22	69.5	60.3	172.6	160.6	11.92	14.476		
1,800.0	1,789.7	1,809.3	1,806.6	6.3	6.2	-155.26	64.3	64.2	179.8	167.5	12.27	14.655		
1,900.0	1,886.3	1,908.0	1,904.3	6.7	6.6	-155.27	53.4	72.4	194.9	181.9	13.00	14.985		
2,000.0	1,982.9	2,006.8	2,002.2	7.2	6.9	-155.28	42.3	80.7	210.0	196.2	13.75	15.268		
2,100.0	2,079.4	2,105.7	2,100.1	7.7	7.3	-155.29	31.3	88.9	225.1	210.6	14.51	15.512		
2,200.0	2,176.0	2,204.5	2,198.0	8.2	7.7	-155.29	20.3	97.2	240.2	224.9	15.28	15.725		
2,300.0	2,272.6	2,303.4	2,295.9	8.7	8.1	-155.30	9.3	105.4	255.3	239.3	16.05	15.912		
2,400.0	2,369.1	2,402.2	2,393.8	9.2	8.5	-155.31	-1.7	113.7	270.4	253.6	16.82	16.076		
2,500.0	2,465.7	2,501.1	2,491.7	9.7	8.9	-155.31	-12.7	121.9	285.6	268.0	17.60	16.222		
2,600.0	2,562.3	2,599.9	2,589.6	10.2	9.3	-155.31	-23.7	130.2	300.7	282.3	18.39	16.352		
2,700.0	2,658.8	2,698.8	2,687.4	10.7	9.7	-155.32	-34.7	138.4	315.8	296.6	19.18	16.468		
2,800.0	2,755.4	2,802.4	2,785.3	11.2	10.1	-155.32	-45.7	146.7	330.9	310.9	19.99	16.557		
2,900.0	2,852.0	2,903.5	2,883.2	11.8	10.5	-155.33	-56.7	154.9	346.0	325.2	20.79	16.645		
3,000.0	2,948.5	3,004.7	2,981.1	12.3	10.9	-155.33	-67.7	163.2	361.1	339.5	21.59	16.724		
3,100.0	3,045.1	3,105.8	3,079.0	12.8	11.3	-155.33	-78.8	171.4	376.2	353.8	22.40	16.795		
3,200.0	3,141.7	3,193.0	3,176.9	13.3	11.7	-155.33	-89.8	179.7	391.4	368.2	23.16	16.901		
3,300.0	3,238.2	3,308.1	3,274.8	13.9	12.2	-155.34	-100.8	187.9	406.5	382.4	24.02	16.920		
3,400.0	3,334.8	3,390.7	3,372.7	14.4	12.5	-155.34	-111.8	196.2	421.6	396.8	24.76	17.025		
3,500.0	3,431.4	3,489.6	3,470.6	15.0	12.9	-155.34	-122.8	204.4	436.7	411.1	25.57	17.080		
3,600.0	3,527.9	3,588.4	3,568.4	15.5	13.3	-155.34	-133.8	212.7	451.8	425.4	26.37	17.131		
3,700.0	3,624.5	3,687.3	3,666.3	16.0	13.8	-155.34	-144.8	220.9	466.9	439.7	27.18	17.178		
3,800.0	3,721.1	3,786.1	3,764.2	16.6	14.2	-155.35	-155.8	229.2	482.0	454.0	27.99	17.221		
3,900.0	3,817.6	3,885.0	3,862.1	17.1	14.6	-155.35	-166.8	237.4	497.2	468.4	28.80	17.262		
4,000.0	3,914.2	3,983.9	3,960.0	17.6	15.0	-155.35	-177.8	245.7	512.3	482.7	29.61	17.300		
4,100.0	4,010.8	4,082.7	4,057.9	18.2	15.4	-155.35	-188.9	253.9	527.4	497.0	30.42	17.335		
4,200.0	4,107.3	4,178.2	4,152.5	18.7	15.8	-155.37	-199.3	261.8	542.6	511.4	31.21	17.384		
4,300.0	4,203.9	4,268.6	4,242.2	19.3	16.2	-155.53	-207.9	268.2	559.1	527.1	31.95	17.498		
4,400.0	4,300.4	4,358.4	4,331.7	19.8	16.5	-155.84	-214.6	273.2	577.0	544.4	32.66	17.669		
4,500.0	4,397.0	4,447.7	4,420.7	20.4	16.8	-156.30	-219.7	277.0	596.5	563.1	33.33	17.895		
4,600.0	4,493.6	4,536.1	4,509.1	20.9	17.2	-156.87	-223.1	279.5	617.4	583.5	33.97	18.174		
4,700.0	4,590.1	4,623.8	4,596.7	21.5	17.5	-157.54	-224.8	280.8	639.9	605.4	34.58	18.504		
4,800.0	4,686.7	4,714.8	4,687.7	22.0	17.7	-158.33	-225.0	281.0	663.9	628.7	35.19	18.863		
4,900.0	4,783.3	4,811.4	4,784.3	22.5	18.0	-159.12	-225.0	281.0	688.2	652.4	35.85	19.196		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	4,879.8	4,907.9	4,880.8	23.1	18.4	-159.86	-225.0	281.0	712.6	676.1	36.51	19,518		
5,100.0	4,976.4	5,004.5	4,977.4	23.6	18.7	-160.56	-225.0	281.0	737.2	700.0	37.18	19,828		
5,200.0	5,073.0	5,101.1	5,074.0	24.2	19.0	-161.20	-225.0	281.0	761.8	724.0	37.85	20,128		
5,300.0	5,169.5	5,202.4	5,170.5	24.7	19.3	-161.81	-225.0	281.0	786.6	748.0	38.54	20,410		
5,400.0	5,266.1	5,305.8	5,267.1	25.3	19.6	-162.38	-225.0	281.0	811.4	772.1	39.24	20,679		
5,500.0	5,362.7	5,409.2	5,363.7	25.8	19.9	-162.92	-225.0	281.0	836.2	796.3	39.94	20,938		
5,600.0	5,459.2	5,487.3	5,460.2	26.4	20.2	-163.43	-225.0	281.0	861.2	820.6	40.56	21,232		
5,700.0	5,555.8	5,583.9	5,556.8	26.9	20.5	-163.90	-225.0	281.0	886.2	844.9	41.25	21,485		
5,800.0	5,652.4	5,680.5	5,653.4	27.5	20.8	-164.36	-225.0	281.0	911.2	869.3	41.93	21,731		
5,900.0	5,748.9	5,777.0	5,749.9	28.0	21.1	-164.78	-225.0	281.0	936.3	893.7	42.62	21,968		
6,000.0	5,845.5	5,873.6	5,846.5	28.6	21.4	-165.19	-225.0	281.0	961.5	918.2	43.32	22,197		
6,100.0	5,942.1	5,970.2	5,943.1	29.1	21.8	-165.57	-225.0	281.0	986.7	942.7	44.01	22,420		
6,200.0	6,038.6	6,066.7	6,039.6	29.7	22.1	-165.94	-225.0	281.0	1,011.9	967.2	44.71	22,635		
6,300.0	6,135.2	6,163.3	6,136.2	30.2	22.4	-166.29	-225.0	281.0	1,037.2	991.8	45.40	22,844		
6,400.0	6,231.8	6,259.9	6,232.8	30.8	22.7	-166.62	-225.0	281.0	1,062.5	1,016.4	46.10	23,046		
6,500.0	6,328.3	6,356.4	6,329.3	31.3	23.0	-166.94	-225.0	281.0	1,087.8	1,041.0	46.80	23,242		
6,600.0	6,424.9	6,453.0	6,425.9	31.9	23.4	-167.24	-225.0	281.0	1,113.2	1,065.7	47.51	23,433		
6,700.0	6,521.5	6,533.2	6,505.8	32.4	23.6	-167.76	-224.3	275.6	1,139.3	1,091.3	48.02	23,723		
6,800.0	6,618.0	6,608.5	6,579.6	33.0	23.8	-168.74	-222.2	260.5	1,167.0	1,118.6	48.42	24,102		
6,900.0	6,714.6	6,677.3	6,644.6	33.5	24.0	-170.02	-219.2	238.5	1,197.0	1,148.3	48.69	24,585		
6,942.4	6,755.5	6,704.2	6,669.2	33.8	24.0	-170.61	-217.7	227.8	1,210.6	1,161.8	48.76	24,825		
7,000.0	6,811.3	6,738.7	6,700.0	34.1	24.1	-171.48	-215.6	212.5	1,229.5	1,180.6	48.82	25,181		
7,100.0	6,908.5	6,793.1	6,746.6	34.6	24.2	-172.98	-211.7	184.5	1,263.1	1,214.2	48.82	25,873		
7,200.0	7,006.4	6,841.1	6,785.3	35.1	24.3	-174.41	-207.8	156.4	1,298.1	1,249.4	48.67	26,672		
7,300.0	7,104.7	6,883.3	6,817.2	35.5	24.4	-175.74	-204.1	129.1	1,334.8	1,286.4	48.37	27,596		
7,400.0	7,203.5	6,920.3	6,843.5	36.0	24.4	-176.95	-200.5	103.3	1,373.5	1,325.6	47.93	28,657		
7,500.0	7,302.6	6,950.0	6,863.3	36.4	24.5	-177.95	-197.5	81.4	1,414.3	1,367.0	47.31	29,892		
7,600.0	7,402.1	6,981.8	6,883.2	36.7	24.5	-179.02	-194.1	56.9	1,457.3	1,410.6	46.65	31,235		
7,700.0	7,501.8	7,000.0	6,894.0	37.1	24.6	-179.64	-192.1	42.3	1,502.3	1,456.6	45.74	32,847		
7,800.0	7,601.6	7,030.2	6,910.8	37.4	24.6	179.35	-188.7	17.5	1,549.4	1,504.4	44.94	34,477		
7,900.0	7,701.6	7,050.0	6,921.1	37.7	24.7	178.70	-186.4	0.8	1,598.4	1,554.4	43.94	36,376		
7,946.4	7,748.0	7,050.0	6,921.1	37.8	24.7	-11.26	-186.4	0.8	1,621.8	1,578.5	43.32	37,434		
7,950.0	7,751.6	7,050.0	6,921.1	37.8	24.7	78.89	-186.4	0.8	1,623.6	1,580.4	43.27	37,519		
8,000.0	7,801.5	7,070.0	6,931.0	37.9	24.8	75.35	-184.0	-16.5	1,649.0	1,606.1	42.91	38,434		
8,050.0	7,851.0	7,080.5	6,935.9	38.1	24.8	72.20	-182.7	-25.7	1,674.5	1,632.1	42.38	39,507		
8,100.0	7,899.8	7,100.0	6,944.5	38.2	24.9	68.93	-180.4	-43.0	1,699.8	1,657.8	41.99	40,477		
8,150.0	7,947.4	7,100.0	6,944.5	38.3	24.9	66.30	-180.4	-43.0	1,724.5	1,683.2	41.32	41,737		
8,200.0	7,993.4	7,115.9	6,951.2	38.3	24.9	63.48	-178.4	-57.3	1,748.6	1,707.7	40.90	42,758		
8,250.0	8,037.6	7,128.7	6,956.2	38.4	25.0	60.93	-176.8	-69.0	1,771.8	1,731.4	40.44	43,815		
8,300.0	8,079.6	7,150.0	6,964.0	38.5	25.1	58.48	-174.1	-88.6	1,794.1	1,753.9	40.12	44,715		
8,350.0	8,119.0	7,150.0	6,964.0	38.5	25.1	56.54	-174.1	-88.6	1,815.0	1,775.4	39.54	45,905		
8,400.0	8,155.7	7,169.4	6,970.4	38.6	25.2	54.58	-171.6	-106.7	1,834.5	1,795.2	39.27	46,714		
8,450.0	8,189.2	7,183.5	6,974.7	38.6	25.3	52.90	-169.7	-120.0	1,852.6	1,813.6	38.97	47,532		
8,500.0	8,219.4	7,200.0	6,979.4	38.7	25.4	51.43	-167.6	-135.7	1,869.0	1,830.2	38.77	48,212		
8,550.0	8,246.0	7,200.0	6,979.4	38.7	25.4	50.22	-167.6	-135.7	1,883.8	1,845.4	38.42	49,032		
8,600.0	8,268.8	7,226.9	6,985.9	38.7	25.6	49.13	-164.0	-161.6	1,896.5	1,858.0	38.49	49,273		
8,650.0	8,287.6	7,250.0	6,990.5	38.7	25.8	48.26	-160.9	-184.0	1,907.5	1,868.9	38.58	49,445		
8,700.0	8,302.4	7,250.0	6,990.5	38.8	25.8	47.59	-160.9	-184.0	1,916.5	1,878.0	38.50	49,779		
8,750.0	8,312.9	7,271.4	6,994.0	38.8	25.9	47.10	-158.0	-204.9	1,923.4	1,884.6	38.76	49,630		
8,800.0	8,319.1	7,300.0	6,997.4	38.8	26.2	46.84	-154.2	-233.0	1,928.5	1,889.3	39.16	49,242		
8,846.4	8,321.0	7,300.0	6,997.4	38.9	26.2	46.65	-154.2	-233.0	1,931.0	1,891.7	39.37	49,054		
8,904.4	8,321.0	7,317.3	6,998.8	39.0	26.3	46.73	-151.8	-250.1	1,933.9	1,894.1	39.87	48,507		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.0	8,321.0	7,354.1	7,000.0	39.2	26.7	46.86	-146.8	-286.6	1,941.4	1,900.5	40.86	47.518		
9,100.0	8,321.0	7,497.4	7,000.0	39.5	28.2	47.20	-130.8	-429.0	1,950.4	1,907.4	42.99	45.370		
9,200.0	8,321.0	7,697.8	7,000.0	40.0	30.8	47.43	-120.3	-629.0	1,954.7	1,908.4	46.26	42.257		
9,300.0	8,321.0	7,868.6	7,000.0	40.8	33.5	47.42	-122.4	-799.7	1,954.0	1,904.5	49.56	39.424		
9,400.0	8,321.0	7,968.5	7,000.0	41.8	35.2	47.36	-125.6	-899.7	1,952.1	1,900.1	52.01	37.530		
9,500.0	8,321.0	8,068.5	7,000.0	43.0	37.0	47.31	-128.8	-999.6	1,950.2	1,895.6	54.60	35.717		
9,600.0	8,321.0	8,168.5	7,000.0	44.3	38.8	47.26	-132.0	-1,099.5	1,948.3	1,891.0	57.31	33.994		
9,700.0	8,321.0	8,268.4	7,000.0	45.8	40.8	47.21	-135.2	-1,199.4	1,946.4	1,886.3	60.13	32.371		
9,800.0	8,321.0	8,368.4	7,000.0	47.4	42.7	47.16	-138.4	-1,299.3	1,944.5	1,881.5	63.03	30.849		
9,900.0	8,321.0	8,468.4	7,000.0	49.1	44.7	47.11	-141.6	-1,399.2	1,942.6	1,876.6	66.02	29.426		
10,000.0	8,321.0	8,568.3	7,000.0	50.9	46.8	47.05	-144.8	-1,499.1	1,940.7	1,871.7	69.07	28.100		
10,100.0	8,321.0	8,668.3	7,000.0	52.8	48.9	47.00	-148.1	-1,599.1	1,938.9	1,866.7	72.17	26.864		
10,200.0	8,321.0	8,768.3	7,000.0	54.7	51.0	46.95	-151.3	-1,699.0	1,937.0	1,861.6	75.33	25.714		
10,300.0	8,321.0	8,868.2	7,000.0	56.6	53.2	46.90	-154.5	-1,798.9	1,935.1	1,856.6	78.53	24.642		
10,400.0	8,321.0	8,968.2	7,000.0	58.6	55.4	46.85	-157.7	-1,898.8	1,933.2	1,851.4	81.76	23.644		
10,500.0	8,321.0	9,068.1	7,000.0	60.6	57.6	46.79	-160.9	-1,998.7	1,931.3	1,846.3	85.03	22.714		
10,600.0	8,321.0	9,168.1	7,000.0	62.7	59.8	46.74	-164.1	-2,098.6	1,929.4	1,841.1	88.32	21.845		
10,700.0	8,321.0	9,268.1	7,000.0	64.7	62.0	46.69	-167.3	-2,198.6	1,927.5	1,835.9	91.64	21.033		
10,800.0	8,321.0	9,368.0	7,000.0	66.8	64.3	46.64	-170.5	-2,298.5	1,925.7	1,830.7	94.98	20.274		
10,900.0	8,321.0	9,468.0	7,000.0	69.0	66.5	46.58	-173.7	-2,398.4	1,923.8	1,825.5	98.34	19.563		
11,000.0	8,321.0	9,568.0	7,000.0	71.1	68.8	46.53	-176.9	-2,498.3	1,921.9	1,820.2	101.71	18.895		
11,100.0	8,321.0	9,667.9	7,000.0	73.3	71.1	46.48	-180.2	-2,598.2	1,920.0	1,814.9	105.10	18.269		
11,200.0	8,321.0	9,767.9	7,000.0	75.5	73.4	46.42	-183.4	-2,698.1	1,918.2	1,809.7	108.50	17.679		
11,300.0	8,321.0	9,867.9	7,000.0	77.7	75.7	46.37	-186.6	-2,798.0	1,916.3	1,804.4	111.91	17.124		
11,400.0	8,321.0	9,967.8	7,000.0	79.9	78.0	46.32	-189.8	-2,898.0	1,914.4	1,799.1	115.32	16.600		
11,500.0	8,321.0	10,067.8	7,000.0	82.1	80.3	46.26	-193.0	-2,997.9	1,912.6	1,793.8	118.75	16.106		
11,600.0	8,321.0	10,167.8	7,000.0	84.4	82.7	46.21	-196.2	-3,097.8	1,910.7	1,788.5	122.18	15.638		
11,700.0	8,321.0	10,267.7	7,000.0	86.7	85.0	46.16	-199.4	-3,197.7	1,908.8	1,783.2	125.62	15.196		
11,800.0	8,321.0	10,367.7	7,000.0	88.9	87.3	46.10	-202.6	-3,297.6	1,907.0	1,777.9	129.06	14.776		
11,900.0	8,321.0	10,467.7	7,000.0	91.2	89.7	46.05	-205.8	-3,397.5	1,905.1	1,772.6	132.50	14.378		
12,000.0	8,321.0	10,567.6	7,000.0	93.5	92.0	46.00	-209.0	-3,497.4	1,903.2	1,767.3	135.95	14.000		
12,100.0	8,321.0	10,667.6	7,000.0	95.8	94.4	45.94	-212.3	-3,597.4	1,901.4	1,762.0	139.40	13.640		
12,200.0	8,321.0	10,767.6	7,000.0	98.1	96.8	45.89	-215.5	-3,697.3	1,899.5	1,756.7	142.85	13.298		
12,300.0	8,321.0	10,867.5	7,000.0	100.4	99.1	45.83	-218.7	-3,797.2	1,897.7	1,751.4	146.30	12.971		
12,400.0	8,321.0	10,967.5	7,000.0	102.7	101.5	45.78	-221.9	-3,897.1	1,895.8	1,746.1	149.75	12.660		
12,500.0	8,321.0	11,067.5	7,000.0	105.0	103.9	45.72	-225.1	-3,997.0	1,894.0	1,740.8	153.20	12.363		
12,600.0	8,321.0	11,167.4	7,000.0	107.4	106.2	45.67	-228.3	-4,096.9	1,892.1	1,735.5	156.65	12.078		
12,700.0	8,321.0	11,267.4	7,000.0	109.7	108.6	45.61	-231.5	-4,196.9	1,890.3	1,730.2	160.10	11.807		
12,800.0	8,321.0	11,367.4	7,000.0	112.0	111.0	45.56	-234.7	-4,296.8	1,888.4	1,724.9	163.55	11.546		
12,900.0	8,321.0	11,467.3	7,000.0	114.4	113.4	45.51	-237.9	-4,396.7	1,886.6	1,719.6	167.00	11.297		
13,000.0	8,321.0	11,567.3	7,000.0	116.7	115.8	45.45	-241.1	-4,496.6	1,884.7	1,714.3	170.45	11.058		
13,100.0	8,321.0	11,667.3	7,000.0	119.1	118.2	45.39	-244.4	-4,596.5	1,882.9	1,709.0	173.89	10.828		
13,200.0	8,321.0	11,767.2	7,000.0	121.4	120.6	45.34	-247.6	-4,696.4	1,881.1	1,703.7	177.33	10.608		
13,300.0	8,321.0	11,867.2	7,000.0	123.8	122.9	45.28	-250.8	-4,796.3	1,879.2	1,698.5	180.77	10.396		
13,400.0	8,321.0	11,967.2	7,000.0	126.1	125.3	45.23	-254.0	-4,896.3	1,877.4	1,693.2	184.20	10.192		
13,500.0	8,321.0	12,067.1	7,000.0	128.5	127.7	45.17	-257.2	-4,996.2	1,875.6	1,687.9	187.64	9.996		
13,594.1	8,321.0	12,161.2	7,000.0	130.7	130.0	45.11	-260.2	-5,096.2	1,873.7	1,682.8	190.85	9.818		
13,600.0	8,321.0	12,167.1	7,000.0	130.9	130.1	45.11	-260.4	-5,096.1	1,873.6	1,682.5	191.05	9.807		
13,668.1	8,321.0	12,235.2	7,000.0	132.5	131.8	45.10	-262.6	-5,164.2	1,873.0	1,679.6	193.44	9.683		
13,696.0	8,321.0	12,263.1	7,000.0	133.2	132.4	45.10	-263.5	-5,192.0	1,873.1	1,678.6	194.44	9.633		
13,700.0	8,321.0	12,267.1	7,000.0	133.3	132.5	45.11	-263.6	-5,196.0	1,873.1	1,678.5	194.59	9.626		
13,800.0	8,321.0	12,367.1	7,000.0	135.6	134.9	45.13	-266.8	-5,296.0	1,873.8	1,675.6	198.23	9.453		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
13,900.0	8,321.0	12,467.1	7,000.0	138.0	137.3	45.15	-270.0	-5,395.9	1,874.5	1,672.6	201.88	9.285		
14,000.0	8,321.0	12,567.1	7,000.0	140.4	139.8	45.17	-273.2	-5,495.9	1,875.2	1,669.7	205.52	9.124		
14,100.0	8,321.0	12,667.1	7,000.0	142.8	142.2	45.19	-276.5	-5,595.8	1,875.9	1,666.7	209.18	8.968		
14,200.0	8,321.0	12,767.1	7,000.0	145.2	144.6	45.21	-279.7	-5,695.7	1,876.6	1,663.7	212.83	8.817		
14,300.0	8,321.0	12,867.1	7,000.0	147.5	147.0	45.23	-282.9	-5,795.7	1,877.3	1,660.8	216.50	8.671		
14,400.0	8,321.0	12,967.1	7,000.0	149.9	149.4	45.25	-286.1	-5,895.6	1,877.9	1,657.8	220.16	8.530		
14,500.0	8,321.0	13,067.1	7,000.0	152.3	151.8	45.27	-289.3	-5,995.6	1,878.6	1,654.8	223.83	8.393		
14,600.0	8,321.0	13,167.1	7,000.0	154.7	154.2	45.29	-292.5	-6,095.5	1,879.3	1,651.8	227.50	8.261		
14,700.0	8,321.0	13,267.1	7,000.0	157.1	156.6	45.31	-295.7	-6,195.5	1,880.0	1,648.8	231.18	8.132		
14,800.0	8,321.0	13,367.0	7,000.0	159.5	159.1	45.34	-298.9	-6,295.4	1,880.7	1,645.9	234.86	8.008		
14,900.0	8,321.0	13,467.0	7,000.0	161.9	161.5	45.36	-302.1	-6,395.3	1,881.4	1,642.9	238.54	7.887		
15,000.0	8,321.0	13,567.0	7,000.0	164.3	163.9	45.38	-305.4	-6,495.3	1,882.1	1,639.9	242.22	7.770		
15,100.0	8,321.0	13,667.0	7,000.0	166.7	166.3	45.40	-308.6	-6,595.2	1,882.8	1,636.9	245.91	7.656		
15,200.0	8,321.0	13,767.0	7,000.0	169.1	168.7	45.42	-311.8	-6,695.2	1,883.5	1,633.9	249.61	7.546		
15,300.0	8,321.0	13,867.0	7,000.0	171.5	171.1	45.44	-315.0	-6,795.1	1,884.2	1,630.9	253.30	7.438		
15,400.0	8,321.0	13,967.0	7,000.0	173.9	173.6	45.46	-318.2	-6,895.1	1,884.9	1,627.9	257.00	7.334		
15,500.0	8,321.0	14,067.0	7,000.0	176.3	176.0	45.48	-321.4	-6,995.0	1,885.6	1,624.8	260.70	7.233		
15,600.0	8,321.0	14,167.0	7,000.0	178.7	178.4	45.50	-324.6	-7,095.0	1,886.2	1,621.8	264.41	7.134		
15,700.0	8,321.0	14,267.0	7,000.0	181.1	180.8	45.52	-327.8	-7,194.9	1,886.9	1,618.8	268.12	7.038		
15,800.0	8,321.0	14,367.0	7,000.0	183.5	183.2	45.54	-331.0	-7,294.8	1,887.6	1,615.8	271.83	6.944		
15,900.0	8,321.0	14,467.0	7,000.0	185.9	185.7	45.56	-334.3	-7,394.8	1,888.3	1,612.8	275.54	6.853		
16,000.0	8,321.0	14,567.0	7,000.0	188.3	188.1	45.58	-337.5	-7,494.7	1,889.0	1,609.8	279.26	6.764		
16,100.0	8,321.0	14,667.0	7,000.0	190.8	190.5	45.61	-340.7	-7,594.7	1,889.7	1,606.7	282.98	6.678		
16,200.0	8,321.0	14,767.0	7,000.0	193.2	192.9	45.63	-343.9	-7,694.6	1,890.4	1,603.7	286.70	6.594		
16,300.0	8,321.0	14,867.0	7,000.0	195.6	195.4	45.65	-347.1	-7,794.6	1,891.1	1,600.7	290.42	6.512		
16,400.0	8,321.0	14,967.0	7,000.0	198.0	197.8	45.67	-350.3	-7,894.5	1,891.8	1,597.6	294.15	6.431		
16,500.0	8,321.0	15,067.0	7,000.0	200.4	200.2	45.69	-353.5	-7,994.4	1,892.5	1,594.6	297.88	6.353		
16,600.0	8,321.0	15,167.0	7,000.0	202.8	202.7	45.71	-356.7	-8,094.4	1,893.2	1,591.6	301.61	6.277		
16,700.0	8,321.0	15,267.0	7,000.0	205.2	205.1	45.73	-359.9	-8,194.3	1,893.9	1,588.5	305.35	6.202		
16,800.0	8,321.0	15,367.0	7,000.0	207.7	207.5	45.75	-363.2	-8,294.3	1,894.6	1,585.5	309.09	6.130		
16,900.0	8,321.0	15,467.0	7,000.0	210.1	209.9	45.77	-366.4	-8,394.2	1,895.3	1,582.4	312.83	6.058		
17,000.0	8,321.0	15,566.9	7,000.0	212.5	212.4	45.79	-369.6	-8,494.2	1,896.0	1,579.4	316.57	5.989		
17,100.0	8,321.0	15,666.9	7,000.0	214.9	214.8	45.81	-372.8	-8,594.1	1,896.7	1,576.4	320.32	5.921		
17,200.0	8,321.0	15,766.9	7,000.0	217.3	217.2	45.83	-376.0	-8,694.1	1,897.4	1,573.3	324.07	5.855		
17,300.0	8,321.0	15,866.9	7,000.0	219.8	219.7	45.85	-379.2	-8,794.0	1,898.1	1,570.2	327.82	5.790		
17,400.0	8,321.0	15,966.9	7,000.0	222.2	222.1	45.87	-382.4	-8,893.9	1,898.8	1,567.2	331.57	5.727		
17,500.0	8,321.0	16,066.9	7,000.0	224.6	224.5	45.89	-385.6	-8,993.9	1,899.5	1,564.1	335.33	5.664		
17,600.0	8,321.0	16,166.9	7,000.0	227.0	226.9	45.91	-388.8	-9,093.8	1,900.2	1,561.1	339.09	5.604		
17,700.0	8,321.0	16,266.9	7,000.0	229.4	229.4	45.93	-392.1	-9,193.8	1,900.9	1,558.0	342.85	5.544		
17,800.0	8,321.0	16,366.9	7,000.0	231.9	231.8	45.95	-395.3	-9,293.7	1,901.6	1,554.9	346.61	5.486		
17,900.0	8,321.0	16,466.9	7,000.0	234.3	234.2	45.97	-398.5	-9,393.7	1,902.3	1,551.9	350.38	5.429		
18,000.0	8,321.0	16,566.9	7,000.0	236.7	236.7	45.99	-401.7	-9,493.6	1,903.0	1,548.8	354.15	5.373		
18,100.0	8,321.0	16,666.9	7,000.0	239.1	239.1	46.01	-404.9	-9,593.5	1,903.7	1,545.7	357.92	5.319		
18,200.0	8,321.0	16,766.9	7,000.0	241.6	241.5	46.04	-408.1	-9,693.5	1,904.4	1,542.7	361.69	5.265		
18,300.0	8,321.0	16,866.9	7,000.0	244.0	244.0	46.06	-411.3	-9,793.4	1,905.1	1,539.6	365.47	5.213		
18,400.0	8,321.0	16,966.9	7,000.0	246.4	246.4	46.08	-414.5	-9,893.4	1,905.8	1,536.5	369.24	5.161		
18,500.0	8,321.0	17,066.9	7,000.0	248.8	248.8	46.10	-417.7	-9,993.3	1,906.5	1,533.4	373.02	5.111		
18,600.0	8,321.0	17,166.9	7,000.0	251.3	251.3	46.12	-421.0	-10,093.3	1,907.2	1,530.4	376.81	5.061		
18,700.0	8,321.0	17,266.9	7,000.0	253.7	253.7	46.14	-424.2	-10,193.2	1,907.9	1,527.3	380.59	5.013		
18,769.8	8,321.0	17,292.9	7,000.0	255.4	254.3	46.14	-425.0	-10,219.2	1,908.8	1,526.7	382.12	4.995 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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	1.0	1.0	0.0	0.0	20.56	80.0	30.0	85.4					
100.0	100.0	101.0	101.0	0.1	0.1	20.56	80.0	30.0	85.4	85.2	0.26	328.780		
200.0	200.0	201.0	201.0	0.5	0.5	20.56	80.0	30.0	85.4	84.5	0.98	87.474		
300.0	300.0	301.0	301.0	0.8	0.8	20.56	80.0	30.0	85.4	83.8	1.69	50.448		
400.0	400.0	401.0	401.0	1.2	1.2	20.56	80.0	30.0	85.4	83.0	2.41	35.445		
500.0	500.0	501.0	501.0	1.6	1.6	20.56	80.0	30.0	85.4	82.3	3.13	27.321		
600.0	600.0	602.3	602.3	1.9	1.9	20.88	79.1	30.2	84.7	80.8	3.83	22.091		
700.0	700.0	703.5	703.5	2.3	2.2	21.86	76.5	30.7	82.4	77.9	4.53	18.193		
800.0	800.0	804.6	804.5	2.6	2.6	23.62	72.1	31.5	78.7	73.5	5.23	15.040		
900.0	900.0	905.5	905.2	3.0	2.9	26.37	65.9	32.7	73.7	67.7	5.94	12.402		
1,000.0	1,000.0	1,006.1	1,005.5	3.4	3.3	30.48	58.1	34.2	67.5	60.9	6.65	10.147		
1,100.0	1,100.0	1,106.6	1,105.5	3.7	3.7	-134.72	48.5	36.0	61.8	54.4	7.35	8.399		
1,200.0	1,199.8	1,207.1	1,205.4	4.0	4.1	-130.25	37.2	38.1	57.7	49.6	8.05	7.164		
1,300.0	1,299.5	1,307.6	1,305.0	4.4	4.4	-126.58	24.2	40.6	55.0	46.2	8.76	6.278		
1,400.0	1,398.7	1,408.1	1,404.3	4.7	4.8	-124.10	9.4	43.4	53.6	44.1	9.49	5.643		
1,487.9	1,485.6	1,496.5	1,491.5	5.0	5.2	-123.10	-4.9	46.1	53.2	43.0	10.16	5.237		
1,500.0	1,497.5	1,508.6	1,503.4	5.1	5.3	-123.05	-7.0	46.5	53.2	43.0	10.25	5.191		
1,600.0	1,595.6	1,609.1	1,602.2	5.5	5.7	-123.54	-25.1	49.9	53.8	42.8	11.02	4.882		
1,700.0	1,693.1	1,709.6	1,700.7	5.9	6.1	-125.49	-45.0	53.7	55.4	43.6	11.81	4.692		
1,753.0	1,744.3	1,762.9	1,752.7	6.1	6.4	-127.03	-56.2	55.8	56.7	44.5	12.23	4.637		
1,800.0	1,789.7	1,810.2	1,798.8	6.3	6.6	-128.38	-66.5	57.8	57.9	45.3	12.61	4.596		
1,900.0	1,886.3	1,910.8	1,896.6	6.7	7.1	-130.11	-89.8	62.2	59.8	46.4	13.43	4.453		
2,000.0	1,982.9	2,011.4	1,994.0	7.2	7.6	-130.47	-114.7	66.9	60.6	46.3	14.29	4.240		
2,100.0	2,079.4	2,112.1	2,090.9	7.7	8.1	-129.54	-141.4	72.0	60.2	45.0	15.19	3.964		
2,200.0	2,176.0	2,212.4	2,187.1	8.2	8.6	-127.36	-169.4	77.3	58.9	42.8	16.16	3.645		
2,300.0	2,272.6	2,312.4	2,282.9	8.7	9.1	-124.86	-197.6	82.7	57.5	40.4	17.19	3.348		
2,400.0	2,369.1	2,412.4	2,378.6	9.2	9.7	-122.24	-225.9	88.0	56.3	38.0	18.24	3.086		
2,500.0	2,465.7	2,512.3	2,474.3	9.7	10.2	-119.50	-254.1	93.4	55.1	35.8	19.33	2.853		
2,600.0	2,562.3	2,612.3	2,570.1	10.2	10.8	-116.66	-282.3	98.7	54.1	33.7	20.44	2.649		
2,700.0	2,658.8	2,712.2	2,665.8	10.7	11.3	-113.72	-310.5	104.1	53.3	31.7	21.58	2.469		
2,800.0	2,755.4	2,812.2	2,761.6	11.2	11.9	-110.68	-338.8	109.4	52.5	29.8	22.73	2.311		
2,900.0	2,852.0	2,912.2	2,857.3	11.8	12.4	-107.57	-367.0	114.8	52.0	28.1	23.90	2.174		
3,000.0	2,948.5	3,012.1	2,953.0	12.3	13.0	-104.41	-395.2	120.1	51.6	26.5	25.08	2.056		
3,100.0	3,045.1	3,112.1	3,048.8	12.8	13.6	-101.20	-423.5	125.5	51.3	25.1	26.25	1.954		
3,200.0	3,141.7	3,212.0	3,144.5	13.3	14.1	-97.96	-451.7	130.8	51.2	23.8	27.42	1.868		
3,207.5	3,148.9	3,219.5	3,151.7	13.4	14.2	-97.72	-453.8	131.2	51.2	23.7	27.50	1.862 CC		
3,300.0	3,238.2	3,312.0	3,240.3	13.9	14.7	-94.73	-479.9	136.2	51.3	22.7	28.57	1.795		
3,400.0	3,334.8	3,411.9	3,336.0	14.4	15.3	-91.52	-508.1	141.5	51.5	21.8	29.70	1.734		
3,500.0	3,431.4	3,511.9	3,431.7	15.0	15.9	-88.34	-536.4	146.9	51.9	21.1	30.81	1.685		
3,600.0	3,527.9	3,611.9	3,527.5	15.5	16.4	-85.22	-564.6	152.3	52.5	20.6	31.88	1.645		
3,700.0	3,624.5	3,711.8	3,623.2	16.0	17.0	-82.18	-592.8	157.6	53.2	20.2	32.92	1.614		
3,800.0	3,721.1	3,811.8	3,719.0	16.6	17.6	-79.22	-621.1	163.0	54.0	20.1	33.94	1.591		
3,900.0	3,817.6	3,911.7	3,814.7	17.1	18.2	-76.36	-649.3	168.3	55.0	20.1	34.91	1.575		
4,000.0	3,914.2	4,011.7	3,910.4	17.6	18.7	-73.61	-677.5	173.7	56.1	20.3	35.86	1.565		
4,100.0	4,010.8	4,111.7	4,006.2	18.2	19.3	-70.97	-705.7	179.0	57.4	20.6	36.77	1.560		
4,200.0	4,107.3	4,211.6	4,101.9	18.7	19.9	-68.45	-734.0	184.4	58.7	21.1	37.66	1.559		
4,300.0	4,203.9	4,311.6	4,197.7	19.3	20.5	-66.05	-762.2	189.7	60.2	21.7	38.51	1.562		
4,400.0	4,300.4	4,411.5	4,293.4	19.8	21.0	-63.76	-790.4	195.1	61.7	22.4	39.35	1.569		
4,500.0	4,397.0	4,511.5	4,389.1	20.4	21.6	-61.59	-818.6	200.4	63.4	23.2	40.17	1.579		
4,600.0	4,493.6	4,611.4	4,484.9	20.9	22.2	-59.54	-846.9	205.8	65.2	24.2	40.97	1.591		
4,700.0	4,590.1	4,711.4	4,580.6	21.5	22.8	-57.59	-875.1	211.1	67.0	25.2	41.75	1.604		
4,800.0	4,686.7	4,811.4	4,676.4	22.0	23.4	-55.75	-903.3	216.5	68.9	26.4	42.52	1.620		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,783.3	4,911.3	4,772.1	22.5	24.0	-54.01	-931.6	221.9	70.9	27.6	43.28	1.637		
5,000.0	4,879.8	5,011.3	4,867.8	23.1	24.5	-52.37	-959.8	227.2	72.9	28.8	44.04	1.655		
5,100.0	4,976.4	5,111.2	4,963.6	23.6	25.1	-50.82	-988.0	232.6	75.0	30.2	44.79	1.674		
5,200.0	5,073.0	5,211.2	5,059.3	24.2	25.7	-49.35	-1,016.2	237.9	77.1	31.6	45.53	1.694		
5,300.0	5,169.5	5,311.2	5,155.1	24.7	26.3	-47.96	-1,044.5	243.3	79.3	33.0	46.27	1.714		
5,400.0	5,266.1	5,411.1	5,250.8	25.3	26.9	-46.65	-1,072.7	248.6	81.5	34.5	47.00	1.734		
5,500.0	5,362.7	5,511.4	5,346.8	25.8	27.4	-45.42	-1,101.0	254.0	83.8	36.0	47.75	1.754		
5,600.0	5,459.2	5,613.0	5,444.6	26.4	28.0	-45.08	-1,127.9	259.1	84.8	36.1	48.69	1.741		
5,700.0	5,555.8	5,714.5	5,543.1	26.9	28.6	-46.03	-1,152.3	263.7	83.9	34.0	49.86	1.682		
5,800.0	5,652.4	5,816.0	5,642.1	27.5	29.1	-48.38	-1,174.1	267.8	81.2	29.9	51.31	1.583		
5,900.0	5,748.9	5,917.1	5,741.3	28.0	29.6	-52.40	-1,193.2	271.5	77.0	23.9	53.08	1.450	Level 3	
6,000.0	5,845.5	6,017.8	5,840.6	28.6	30.0	-58.61	-1,209.7	274.6	71.7	16.5	55.25	1.298	Level 3	
6,100.0	5,942.1	6,117.9	5,939.7	29.1	30.4	-67.71	-1,223.5	277.2	66.4	8.6	57.75	1.149	Level 2	
6,200.0	6,038.6	6,217.3	6,038.5	29.7	30.8	-80.32	-1,234.7	279.3	62.4	2.3	60.11	1.038	Level 2	
6,260.8	6,097.3	6,277.3	6,098.2	30.0	31.0	-89.62	-1,240.2	280.4	61.6	0.6	61.02	1.009	Level 2, ES, SF	
6,300.0	6,135.2	6,315.8	6,136.6	30.2	31.2	-96.07	-1,243.3	281.0	62.0	0.8	61.22	1.012	Level 2	
6,400.0	6,231.8	6,413.4	6,234.1	30.8	31.5	-112.78	-1,249.4	282.1	67.2	6.9	60.22	1.115	Level 2	
6,500.0	6,328.3	6,510.0	6,330.5	31.3	31.8	-127.54	-1,252.9	282.8	78.7	20.9	57.85	1.361	Level 3	
6,600.0	6,424.9	6,605.4	6,425.9	31.9	32.0	-139.00	-1,254.1	283.0	96.1	40.5	55.51	1.730		
6,700.0	6,521.5	6,712.5	6,532.4	32.4	32.3	-152.20	-1,255.9	273.4	112.7	59.1	53.60	2.102		
6,800.0	6,618.0	6,812.8	6,628.9	33.0	32.5	-168.55	-1,260.9	246.9	128.0	76.6	51.37	2.492		
6,900.0	6,714.6	6,901.7	6,709.3	33.5	32.7	174.99	-1,267.8	209.9	151.4	100.9	50.48	2.999		
6,942.4	6,755.5	6,935.4	6,738.2	33.8	32.8	168.75	-1,271.0	192.7	165.4	115.0	50.35	3.285		
7,000.0	6,811.3	6,977.5	6,772.6	34.1	32.9	161.37	-1,275.4	169.0	188.3	138.2	50.04	3.763		
7,100.0	6,908.5	7,041.1	6,821.1	34.6	33.0	151.35	-1,282.9	128.6	237.5	188.8	48.70	4.876		
7,200.0	7,006.4	7,094.0	6,857.8	35.1	33.1	144.32	-1,289.9	91.1	296.9	250.4	46.48	6.388		
7,300.0	7,104.7	7,137.9	6,885.5	35.5	33.2	139.53	-1,296.1	57.6	364.2	320.4	43.83	8.309		
7,400.0	7,203.5	7,174.6	6,906.5	36.0	33.2	136.34	-1,301.6	28.1	437.4	396.3	41.14	10.633		
7,500.0	7,302.6	7,200.0	6,919.9	36.4	33.3	134.89	-1,305.6	6.9	515.1	477.1	38.04	13.540		
7,600.0	7,402.1	7,231.4	6,935.2	36.7	33.3	133.18	-1,310.6	-20.1	596.0	559.8	36.29	16.424		
7,700.0	7,501.8	7,250.0	6,943.5	37.1	33.4	133.05	-1,313.6	-36.4	679.6	645.7	33.92	20.036		
7,800.0	7,601.6	7,272.7	6,952.9	37.4	33.4	132.74	-1,317.4	-56.7	765.0	732.7	32.38	23.624		
7,900.0	7,701.6	7,300.0	6,963.2	37.7	33.5	132.23	-1,322.1	-81.6	852.2	820.6	31.59	26.976		
7,946.4	7,748.0	7,300.0	6,963.2	37.8	33.5	-56.80	-1,322.1	-81.6	892.8	862.4	30.45	29.318		
7,950.0	7,751.6	7,300.0	6,963.2	37.8	33.5	33.19	-1,322.1	-81.6	896.0	865.7	30.37	29.505		
8,000.0	7,801.5	7,300.0	6,963.2	37.9	33.5	28.72	-1,322.1	-81.6	939.4	910.2	29.15	32.226		
8,050.0	7,851.0	7,300.0	6,963.2	38.1	33.5	25.19	-1,322.1	-81.6	981.4	953.6	27.85	35.238		
8,100.0	7,899.8	7,323.2	6,970.9	38.2	33.5	21.40	-1,326.1	-103.2	1,021.4	993.6	27.83	36.703		
8,150.0	7,947.4	7,333.8	6,974.1	38.3	33.6	18.95	-1,327.9	-113.0	1,059.7	1,032.8	26.96	39.314		
8,200.0	7,993.4	7,350.0	6,978.7	38.3	33.6	16.83	-1,330.8	-128.3	1,096.1	1,069.8	26.32	41.650		
8,250.0	8,037.6	7,350.0	6,978.7	38.4	33.6	15.53	-1,330.8	-128.3	1,130.3	1,105.5	24.78	45.609		
8,300.0	8,079.6	7,369.1	6,983.6	38.5	33.7	14.05	-1,334.1	-146.5	1,162.2	1,138.0	24.19	48.038		
8,350.0	8,119.0	7,381.9	6,986.5	38.5	33.7	12.95	-1,336.4	-158.8	1,191.6	1,168.4	23.27	51.219		
8,400.0	8,155.7	7,400.0	6,990.1	38.6	33.8	11.97	-1,339.7	-176.2	1,218.7	1,196.1	22.57	53.984		
8,450.0	8,189.2	7,400.0	6,990.1	38.6	33.8	11.40	-1,339.7	-176.2	1,243.1	1,222.0	21.15	58.771		
8,500.0	8,219.4	7,422.5	6,993.8	38.7	33.8	10.64	-1,343.7	-198.0	1,264.7	1,244.0	20.70	61.092		
8,550.0	8,246.0	7,450.0	6,997.2	38.7	33.9	9.95	-1,348.7	-224.8	1,283.9	1,263.4	20.45	62.767		
8,600.0	8,268.8	7,450.0	6,997.2	38.7	33.9	9.66	-1,348.7	-224.8	1,299.8	1,280.4	19.35	67.169		
8,650.0	8,287.6	7,450.0	6,997.2	38.7	33.9	9.43	-1,348.7	-224.8	1,313.3	1,294.8	18.51	70.966		
8,700.0	8,302.4	7,480.0	6,999.3	38.8	34.0	8.98	-1,354.2	-254.2	1,323.4	1,304.8	18.57	71.250		
8,750.0	8,312.9	7,500.0	6,999.9	38.8	34.1	8.69	-1,357.9	-273.9	1,330.8	1,312.3	18.51	71.910		
8,800.0	8,319.1	7,515.9	7,000.0	38.8	34.2	8.49	-1,360.8	-289.5	1,335.2	1,316.7	18.52	72.110		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
8,846.4	8,321.0	7,558.7	7,000.0	38.9	34.4	8.17	-1,368.1	-331.7	1,335.9	1,316.9	18.99	70.341		
8,904.4	8,321.0	7,612.6	7,000.0	39.0	34.6	7.83	-1,376.5	-384.9	1,334.7	1,315.1	19.60	68.082		
9,000.0	8,321.0	7,701.8	7,000.0	39.2	35.2	7.35	-1,388.2	-473.4	1,333.1	1,312.4	20.67	64.495		
9,100.0	8,321.0	7,795.9	7,000.0	39.5	35.9	6.98	-1,397.6	-567.0	1,331.9	1,310.1	21.84	60.996		
9,200.0	8,321.0	7,890.5	7,000.0	40.0	36.7	6.73	-1,403.9	-661.4	1,331.2	1,308.2	23.03	57.798		
9,300.0	8,321.0	7,989.1	7,000.0	40.8	37.8	6.58	-1,408.1	-759.9	1,330.8	1,306.5	24.29	54.784		
9,400.0	8,321.0	8,089.1	7,000.0	41.8	39.0	6.43	-1,412.2	-859.7	1,330.4	1,304.8	25.61	51.955		
9,500.0	8,321.0	8,189.0	7,000.0	43.0	40.4	6.28	-1,416.4	-959.6	1,330.0	1,303.0	26.96	49.337		
9,600.0	8,321.0	8,288.9	7,000.0	44.3	41.9	6.13	-1,420.6	-1,059.4	1,329.6	1,301.3	28.34	46.919		
9,700.0	8,321.0	8,388.9	7,000.0	45.8	43.6	5.98	-1,424.7	-1,159.3	1,329.2	1,299.5	29.74	44.689		
9,800.0	8,321.0	8,488.8	7,000.0	47.4	45.3	5.82	-1,428.9	-1,259.1	1,328.9	1,297.7	31.17	42.633		
9,900.0	8,321.0	8,588.7	7,000.0	49.1	47.1	5.67	-1,433.0	-1,359.0	1,328.5	1,295.9	32.61	40.735		
10,000.0	8,321.0	8,688.7	7,000.0	50.9	49.0	5.52	-1,437.2	-1,458.8	1,328.2	1,294.1	34.07	38.981		
10,100.0	8,321.0	8,788.6	7,000.0	52.8	50.9	5.37	-1,441.4	-1,558.7	1,327.8	1,292.3	35.54	37.359		
10,200.0	8,321.0	8,888.6	7,000.0	54.7	52.9	5.22	-1,445.5	-1,658.5	1,327.5	1,290.5	37.02	35.856		
10,300.0	8,321.0	8,988.5	7,000.0	56.6	54.9	5.07	-1,449.7	-1,758.4	1,327.2	1,288.7	38.51	34.462		
10,400.0	8,321.0	9,088.4	7,000.0	58.6	57.0	4.91	-1,453.8	-1,858.2	1,326.9	1,286.9	40.01	33.165		
10,500.0	8,321.0	9,188.4	7,000.0	60.6	59.1	4.76	-1,458.0	-1,958.1	1,326.6	1,285.1	41.51	31.957		
10,600.0	8,321.0	9,288.3	7,000.0	62.7	61.2	4.61	-1,462.1	-2,057.9	1,326.3	1,283.3	43.02	30.830		
10,700.0	8,321.0	9,388.2	7,000.0	64.7	63.4	4.46	-1,466.3	-2,157.8	1,326.0	1,281.5	44.53	29.776		
10,800.0	8,321.0	9,488.2	7,000.0	66.8	65.5	4.31	-1,470.5	-2,257.6	1,325.7	1,279.7	46.05	28.790		
10,900.0	8,321.0	9,588.1	7,000.0	69.0	67.7	4.15	-1,474.6	-2,357.5	1,325.5	1,277.9	47.57	27.864		
11,000.0	8,321.0	9,688.1	7,000.0	71.1	69.9	4.00	-1,478.8	-2,457.4	1,325.2	1,276.1	49.09	26.994		
11,100.0	8,321.0	9,788.0	7,000.0	73.3	72.1	3.85	-1,482.9	-2,557.2	1,325.0	1,274.4	50.62	26.176		
11,200.0	8,321.0	9,887.9	7,000.0	75.5	74.3	3.70	-1,487.1	-2,657.1	1,324.8	1,272.6	52.15	25.404		
11,300.0	8,321.0	9,987.9	7,000.0	77.7	76.6	3.54	-1,491.3	-2,756.9	1,324.5	1,270.8	53.68	24.675		
11,400.0	8,321.0	10,087.8	7,000.0	79.9	78.9	3.39	-1,495.4	-2,856.8	1,324.3	1,269.1	55.21	23.986		
11,500.0	8,321.0	10,187.7	7,000.0	82.1	81.1	3.24	-1,499.6	-2,956.6	1,324.1	1,267.4	56.75	23.334		
11,600.0	8,321.0	10,287.7	7,000.0	84.4	83.4	3.09	-1,503.7	-3,056.5	1,323.9	1,265.6	58.28	22.715		
11,700.0	8,321.0	10,387.6	7,000.0	86.7	85.7	2.93	-1,507.9	-3,156.3	1,323.7	1,263.9	59.82	22.128		
11,800.0	8,321.0	10,487.6	7,000.0	88.9	88.0	2.78	-1,512.0	-3,256.2	1,323.6	1,262.2	61.36	21.569		
11,900.0	8,321.0	10,587.5	7,000.0	91.2	90.3	2.63	-1,516.2	-3,356.0	1,323.4	1,260.5	62.91	21.037		
12,000.0	8,321.0	10,687.4	7,000.0	93.5	92.6	2.48	-1,520.4	-3,455.9	1,323.2	1,258.8	64.45	20.530		
12,100.0	8,321.0	10,787.4	7,000.0	95.8	94.9	2.32	-1,524.5	-3,555.7	1,323.1	1,257.1	66.00	20.047		
12,200.0	8,321.0	10,887.3	7,000.0	98.1	97.2	2.17	-1,528.7	-3,655.6	1,322.9	1,255.4	67.55	19.585		
12,300.0	8,321.0	10,987.2	7,000.0	100.4	99.6	2.02	-1,532.8	-3,755.4	1,322.8	1,253.7	69.10	19.143		
12,400.0	8,321.0	11,087.2	7,000.0	102.7	101.9	1.87	-1,537.0	-3,855.3	1,322.7	1,252.0	70.66	18.720		
12,500.0	8,321.0	11,187.1	7,000.0	105.0	104.2	1.71	-1,541.2	-3,955.1	1,322.6	1,250.4	72.22	18.314		
12,600.0	8,321.0	11,287.1	7,000.0	107.4	106.6	1.56	-1,545.3	-4,055.0	1,322.5	1,248.7	73.78	17.925		
12,700.0	8,321.0	11,387.0	7,000.0	109.7	108.9	1.41	-1,549.5	-4,154.8	1,322.4	1,247.0	75.34	17.552		
12,800.0	8,321.0	11,486.9	7,000.0	112.0	111.3	1.25	-1,553.6	-4,254.7	1,322.3	1,245.4	76.91	17.193		
12,900.0	8,321.0	11,586.9	7,000.0	114.4	113.6	1.10	-1,557.8	-4,354.5	1,322.2	1,243.7	78.48	16.848		
13,000.0	8,321.0	11,686.8	7,000.0	116.7	116.0	0.95	-1,562.0	-4,454.4	1,322.2	1,242.1	80.05	16.516		
13,100.0	8,321.0	11,786.7	7,000.0	119.1	118.4	0.79	-1,566.1	-4,554.2	1,322.1	1,240.5	81.63	16.196		
13,200.0	8,321.0	11,886.7	7,000.0	121.4	120.7	0.64	-1,570.3	-4,654.1	1,322.1	1,238.9	83.21	15.887		
13,300.0	8,321.0	11,986.6	7,000.0	123.8	123.1	0.49	-1,574.4	-4,753.9	1,322.0	1,237.2	84.80	15.590		
13,400.0	8,321.0	12,086.6	7,000.0	126.1	125.5	0.34	-1,578.6	-4,853.8	1,322.0	1,235.6	86.39	15.302		
13,500.0	8,321.0	12,186.5	7,000.0	128.5	127.9	0.18	-1,582.7	-4,953.6	1,322.0	1,234.0	87.99	15.024		
13,542.3	8,321.0	12,228.8	7,000.0	129.5	128.9	0.12	-1,584.5	-4,995.9	1,322.0	1,233.3	88.67	14.910		
13,594.1	8,321.0	12,280.5	7,000.0	130.7	130.1	0.03	-1,586.7	-5,047.6	1,322.0	1,232.5	89.50	14.771		
13,600.0	8,321.0	12,286.4	7,000.0	130.9	130.2	0.02	-1,586.9	-5,053.5	1,322.0	1,232.4	89.60	14.755		
13,621.6	8,321.0	12,308.1	7,000.0	131.4	130.7	-0.01	-1,587.8	-5,075.1	1,322.0	1,232.1	89.94	14.699		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
13,696.0	8,321.0	12,382.4	7,000.0	133.2	132.5	-0.05	-1,590.9	-5,149.3	1,322.0	1,230.9	91.10	14,511		
13,700.0	8,321.0	12,386.4	7,000.0	133.3	132.6	-0.05	-1,591.1	-5,153.4	1,322.0	1,230.9	91.16	14,502		
13,800.0	8,321.0	12,486.4	7,000.0	135.6	135.0	-0.05	-1,595.2	-5,253.3	1,322.0	1,229.3	92.70	14,261		
13,900.0	8,321.0	12,586.4	7,000.0	138.0	137.4	-0.05	-1,599.4	-5,353.2	1,322.0	1,227.8	94.24	14,028		
14,000.0	8,321.0	12,686.4	7,000.0	140.4	139.8	-0.05	-1,603.5	-5,453.1	1,322.0	1,226.2	95.78	13,803		
14,100.0	8,321.0	12,786.4	7,000.0	142.8	142.2	-0.05	-1,607.7	-5,553.0	1,322.0	1,224.7	97.32	13,584		
14,200.0	8,321.0	12,886.4	7,000.0	145.2	144.5	-0.05	-1,611.9	-5,652.9	1,322.0	1,223.2	98.86	13,372		
14,300.0	8,321.0	12,986.4	7,000.0	147.5	146.9	-0.04	-1,616.0	-5,752.8	1,322.0	1,221.6	100.40	13,167		
14,400.0	8,321.0	13,086.4	7,000.0	149.9	149.3	-0.04	-1,620.2	-5,852.8	1,322.0	1,220.1	101.95	12,968		
14,500.0	8,321.0	13,186.4	7,000.0	152.3	151.7	-0.04	-1,624.3	-5,952.7	1,322.0	1,218.5	103.49	12,774		
14,600.0	8,321.0	13,286.4	7,000.0	154.7	154.1	-0.04	-1,628.5	-6,052.6	1,322.0	1,217.0	105.04	12,586		
14,700.0	8,321.0	13,386.4	7,000.0	157.1	156.5	-0.04	-1,632.7	-6,152.5	1,322.0	1,215.4	106.58	12,404		
14,800.0	8,321.0	13,486.4	7,000.0	159.5	158.9	-0.04	-1,636.8	-6,252.4	1,322.0	1,213.9	108.13	12,226		
14,900.0	8,321.0	13,586.4	7,000.0	161.9	161.3	-0.04	-1,641.0	-6,352.3	1,322.0	1,212.3	109.67	12,054		
15,000.0	8,321.0	13,686.4	7,000.0	164.3	163.7	-0.04	-1,645.2	-6,452.2	1,322.0	1,210.8	111.22	11,886		
15,100.0	8,321.0	13,786.4	7,000.0	166.7	166.1	-0.04	-1,649.3	-6,552.2	1,322.0	1,209.2	112.77	11,723		
15,200.0	8,321.0	13,886.4	7,000.0	169.1	168.5	-0.04	-1,653.5	-6,652.1	1,322.0	1,207.7	114.32	11,564		
15,300.0	8,321.0	13,986.4	7,000.0	171.5	171.0	-0.04	-1,657.6	-6,752.0	1,322.0	1,206.1	115.87	11,410		
15,400.0	8,321.0	14,086.4	7,000.0	173.9	173.4	-0.03	-1,661.8	-6,851.9	1,322.0	1,204.6	117.42	11,259		
15,500.0	8,321.0	14,186.4	7,000.0	176.3	175.8	-0.03	-1,666.0	-6,951.8	1,322.0	1,203.0	118.97	11,112		
15,600.0	8,321.0	14,286.4	7,000.0	178.7	178.2	-0.03	-1,670.1	-7,051.7	1,322.0	1,201.5	120.52	10,969		
15,700.0	8,321.0	14,386.4	7,000.0	181.1	180.6	-0.03	-1,674.3	-7,151.6	1,322.0	1,199.9	122.07	10,830		
15,800.0	8,321.0	14,486.4	7,000.0	183.5	183.0	-0.03	-1,678.4	-7,251.5	1,322.0	1,198.4	123.62	10,694		
15,900.0	8,321.0	14,586.4	7,000.0	185.9	185.4	-0.03	-1,682.6	-7,351.5	1,322.0	1,196.8	125.17	10,562		
16,000.0	8,321.0	14,686.4	7,000.0	188.3	187.8	-0.03	-1,686.8	-7,451.4	1,322.0	1,195.3	126.72	10,432		
16,100.0	8,321.0	14,786.4	7,000.0	190.8	190.2	-0.03	-1,690.9	-7,551.3	1,322.0	1,193.7	128.28	10,306		
16,200.0	8,321.0	14,886.4	7,000.0	193.2	192.7	-0.03	-1,695.1	-7,651.2	1,322.0	1,192.2	129.83	10,183		
16,300.0	8,321.0	14,986.4	7,000.0	195.6	195.1	-0.03	-1,699.2	-7,751.1	1,322.0	1,190.6	131.38	10,062		
16,400.0	8,321.0	15,086.4	7,000.0	198.0	197.5	-0.02	-1,703.4	-7,851.0	1,322.0	1,189.1	132.94	9,945		
16,500.0	8,321.0	15,186.4	7,000.0	200.4	199.9	-0.02	-1,707.6	-7,950.9	1,322.0	1,187.5	134.49	9,830		
16,600.0	8,321.0	15,286.4	7,000.0	202.8	202.3	-0.02	-1,711.7	-8,050.9	1,322.0	1,186.0	136.05	9,717		
16,700.0	8,321.0	15,386.4	7,000.0	205.2	204.7	-0.02	-1,715.9	-8,150.8	1,322.0	1,184.4	137.60	9,607		
16,800.0	8,321.0	15,486.4	7,000.0	207.7	207.2	-0.02	-1,720.1	-8,250.7	1,322.0	1,182.9	139.16	9,500		
16,900.0	8,321.0	15,586.4	7,000.0	210.1	209.6	-0.02	-1,724.2	-8,350.6	1,322.0	1,181.3	140.71	9,395		
17,000.0	8,321.0	15,686.4	7,000.0	212.5	212.0	-0.02	-1,728.4	-8,450.5	1,322.0	1,179.7	142.27	9,292		
17,100.0	8,321.0	15,786.4	7,000.0	214.9	214.4	-0.02	-1,732.5	-8,550.4	1,322.0	1,178.2	143.83	9,192		
17,200.0	8,321.0	15,886.4	7,000.0	217.3	216.8	-0.02	-1,736.7	-8,650.3	1,322.0	1,176.6	145.38	9,093		
17,300.0	8,321.0	15,986.4	7,000.0	219.8	219.3	-0.02	-1,740.9	-8,750.2	1,322.0	1,175.1	146.94	8,997		
17,400.0	8,321.0	16,086.4	7,000.0	222.2	221.7	-0.02	-1,745.0	-8,850.2	1,322.0	1,173.5	148.50	8,903		
17,500.0	8,321.0	16,186.4	7,000.0	224.6	224.1	-0.01	-1,749.2	-8,950.1	1,322.0	1,172.0	150.05	8,810		
17,600.0	8,321.0	16,286.4	7,000.0	227.0	226.5	-0.01	-1,753.3	-9,050.0	1,322.0	1,170.4	151.61	8,720		
17,700.0	8,321.0	16,386.4	7,000.0	229.4	228.9	-0.01	-1,757.5	-9,149.9	1,322.0	1,168.8	153.17	8,631		
17,800.0	8,321.0	16,486.4	7,000.0	231.9	231.4	-0.01	-1,761.7	-9,249.8	1,322.0	1,167.3	154.73	8,544		
17,900.0	8,321.0	16,586.4	7,000.0	234.3	233.8	-0.01	-1,765.8	-9,349.7	1,322.0	1,165.7	156.28	8,459		
18,000.0	8,321.0	16,686.4	7,000.0	236.7	236.2	-0.01	-1,770.0	-9,449.6	1,322.0	1,164.2	157.84	8,375		
18,100.0	8,321.0	16,786.4	7,000.0	239.1	238.6	-0.01	-1,774.1	-9,549.6	1,322.0	1,162.6	159.40	8,294		
18,200.0	8,321.0	16,886.4	7,000.0	241.6	241.1	-0.01	-1,778.3	-9,649.5	1,322.0	1,161.0	160.96	8,213		
18,300.0	8,321.0	16,986.4	7,000.0	244.0	243.5	-0.01	-1,782.5	-9,749.4	1,322.0	1,159.5	162.52	8,134		
18,400.0	8,321.0	17,086.4	7,000.0	246.4	245.9	-0.01	-1,786.6	-9,849.3	1,322.0	1,157.9	164.08	8,057		
18,500.0	8,321.0	17,186.4	7,000.0	248.8	248.3	0.00	-1,790.8	-9,949.2	1,322.0	1,156.4	165.64	7,981		
18,600.0	8,321.0	17,286.4	7,000.0	251.3	250.8	0.00	-1,794.9	-10,049.1	1,322.0	1,154.8	167.20	7,907		
18,700.0	8,321.0	17,386.4	7,000.0	253.7	253.2	0.00	-1,799.1	-10,149.0	1,322.0	1,153.2	168.76	7,834		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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 #114H - 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										
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	Warning				
18,769.8	8,321.0	17,456.2	7,000.0	255.4	254.9	0.00	-1,802.0	-10,218.8	1,322.0	1,152.2	169.85	7.783					

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	1.0	1.0	0.0	0.0	0.00	110.0	0.0	110.0					
100.0	100.0	101.0	101.0	0.1	0.1	0.00	110.0	0.0	110.0	109.7	0.26	423.289		
200.0	200.0	201.0	201.0	0.5	0.5	0.00	110.0	0.0	110.0	109.0	0.98	112.618		
300.0	300.0	301.0	301.0	0.8	0.8	0.00	110.0	0.0	110.0	108.3	1.69	64.949		
400.0	400.0	401.0	401.0	1.2	1.2	0.00	110.0	0.0	110.0	107.6	2.41	45.633		
500.0	500.0	501.0	501.0	1.6	1.6	0.00	110.0	0.0	110.0	106.9	3.13	35.173		
600.0	600.0	601.0	601.0	1.9	1.9	0.00	110.0	0.0	110.0	106.2	3.84	28.614		
700.0	700.0	701.0	701.0	2.3	2.3	0.00	110.0	0.0	110.0	105.4	4.56	24.117		
800.0	800.0	801.0	801.0	2.6	2.6	0.00	110.0	0.0	110.0	104.7	5.28	20.841		
900.0	900.0	901.0	901.0	3.0	3.0	0.00	110.0	0.0	110.0	104.0	6.00	18.349		
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	0.00	110.0	0.0	110.0	103.3	6.71	16.389		
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	0.00	110.0	0.0	110.0	103.3	6.71	16,389 CC, ES		
1,100.0	1,100.0	1,101.1	1,101.1	3.7	3.7	-169.73	110.0	0.9	111.7	104.3	7.40	15.086		
1,200.0	1,199.8	1,201.0	1,201.0	4.0	4.1	-168.87	109.8	3.5	116.7	108.7	8.08	14.455		
1,300.0	1,299.5	1,300.6	1,300.5	4.4	4.4	-167.61	109.6	7.9	125.2	116.4	8.76	14.295		
1,400.0	1,398.7	1,399.9	1,399.5	4.7	4.7	-166.09	109.3	13.9	137.1	127.6	9.44	14.513		
1,500.0	1,497.5	1,498.5	1,497.9	5.1	5.1	-164.49	108.9	21.6	152.4	142.3	10.14	15.034		
1,600.0	1,595.6	1,596.5	1,595.4	5.5	5.5	-162.90	108.5	31.0	171.3	160.5	10.84	15.798		
1,700.0	1,693.1	1,693.6	1,691.9	5.9	5.8	-161.41	107.9	41.9	193.7	182.1	11.56	16.758		
1,753.0	1,744.3	1,744.7	1,742.6	6.1	6.0	-160.67	107.6	48.3	206.9	195.0	11.94	17.329		
1,800.0	1,789.7	1,789.9	1,787.4	6.3	6.2	-160.09	107.3	54.3	219.1	206.8	12.28	17.844		
1,900.0	1,886.3	1,886.3	1,882.8	6.7	6.5	-158.92	106.6	67.7	245.2	232.2	13.01	18.848		
2,000.0	1,982.9	1,982.7	1,978.3	7.2	6.9	-157.98	106.0	81.1	271.3	257.6	13.75	19.734		
2,100.0	2,079.4	2,079.1	2,073.8	7.7	7.3	-157.20	105.3	94.5	297.6	283.1	14.50	20.519		
2,200.0	2,176.0	2,175.5	2,169.3	8.2	7.7	-156.55	104.6	107.9	323.8	308.6	15.26	21.218		
2,300.0	2,272.6	2,272.0	2,264.8	8.7	8.1	-155.99	103.9	121.3	350.1	334.1	16.03	21.842		
2,400.0	2,369.1	2,368.4	2,360.3	9.2	8.4	-155.51	103.3	134.7	376.5	359.7	16.80	22.402		
2,500.0	2,465.7	2,464.8	2,455.8	9.7	8.8	-155.10	102.6	148.1	402.8	385.2	17.58	22.907		
2,600.0	2,562.3	2,561.3	2,551.3	10.2	9.2	-154.73	101.9	161.5	429.2	410.8	18.37	23.363		
2,700.0	2,658.8	2,657.7	2,646.7	10.7	9.6	-154.41	101.3	174.9	455.5	436.4	19.16	23.778		
2,800.0	2,755.4	2,754.1	2,742.2	11.2	10.0	-154.12	100.6	188.3	481.9	462.0	19.95	24.156		
2,900.0	2,852.0	2,850.5	2,837.7	11.8	10.4	-153.87	99.9	201.7	508.3	487.6	20.75	24.501		
3,000.0	2,948.5	2,947.0	2,933.2	12.3	10.8	-153.63	99.3	215.1	534.7	513.2	21.55	24.818		
3,100.0	3,045.1	3,043.4	3,028.7	12.8	11.2	-153.42	98.6	228.5	561.2	538.8	22.35	25.109		
3,200.0	3,141.7	3,139.8	3,124.2	13.3	11.6	-153.23	97.9	241.9	587.6	564.4	23.15	25.378		
3,300.0	3,238.2	3,239.7	3,223.2	13.9	12.0	-153.16	97.3	254.7	613.8	589.8	23.98	25.599		
3,400.0	3,334.8	3,340.0	3,323.0	14.4	12.4	-153.33	96.8	264.9	639.4	614.6	24.78	25.797		
3,500.0	3,431.4	3,440.5	3,423.3	15.0	12.7	-153.71	96.4	272.5	664.4	638.9	25.57	25.981		
3,600.0	3,527.9	3,541.1	3,523.7	15.5	13.1	-154.29	96.1	277.5	689.0	662.6	26.34	26.155		
3,700.0	3,624.5	3,641.5	3,624.1	16.0	13.5	-155.04	96.0	279.8	713.1	686.0	27.09	26.326		
3,800.0	3,721.1	3,739.5	3,722.1	16.6	13.8	-155.88	96.0	280.0	736.9	709.1	27.80	26.510		
3,900.0	3,817.6	3,836.1	3,818.6	17.1	14.1	-156.68	96.0	280.0	760.8	732.3	28.49	26.700		
4,000.0	3,914.2	3,932.6	3,915.2	17.6	14.4	-157.42	96.0	280.0	784.8	755.6	29.19	26.884		
4,100.0	4,010.8	4,029.2	4,011.8	18.2	14.7	-158.13	96.0	280.0	809.0	779.1	29.89	27.063		
4,200.0	4,107.3	4,125.8	4,108.3	18.7	15.1	-158.79	96.0	280.0	833.3	802.7	30.59	27.236		
4,300.0	4,203.9	4,222.3	4,204.9	19.3	15.4	-159.41	96.0	280.0	857.7	826.4	31.30	27.404		
4,400.0	4,300.4	4,318.9	4,301.4	19.8	15.7	-160.01	96.0	280.0	882.1	850.1	32.00	27.566		
4,500.0	4,397.0	4,415.5	4,398.0	20.4	16.0	-160.57	96.0	280.0	906.7	874.0	32.70	27.724		
4,600.0	4,493.6	4,512.0	4,494.6	20.9	16.4	-161.10	96.0	280.0	931.3	897.9	33.41	27.876		
4,700.0	4,590.1	4,608.6	4,591.1	21.5	16.7	-161.60	96.0	280.0	956.0	921.9	34.12	28.023		
4,800.0	4,686.7	4,705.1	4,687.7	22.0	17.0	-162.08	96.0	280.0	980.8	946.0	34.82	28.165		
4,900.0	4,783.3	4,801.7	4,784.3	22.5	17.4	-162.53	96.0	280.0	1,005.6	970.1	35.53	28.302		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	4,879.8	4,901.7	4,880.8	23.1	17.7	-162.96	96.0	280.0	1,030.5	994.3	36.25	28.426		
5,100.0	4,976.4	5,005.2	4,977.4	23.6	18.0	-163.37	96.0	280.0	1,055.5	1,018.5	36.99	28.537		
5,200.0	5,073.0	5,108.6	5,074.0	24.2	18.4	-163.77	96.0	280.0	1,080.4	1,042.7	37.72	28.644		
5,300.0	5,169.5	5,188.0	5,170.5	24.7	18.7	-164.14	96.0	280.0	1,105.5	1,067.1	38.37	28.809		
5,400.0	5,266.1	5,284.5	5,267.1	25.3	19.0	-164.50	96.0	280.0	1,130.6	1,091.5	39.09	28.925		
5,500.0	5,362.7	5,381.1	5,363.7	25.8	19.3	-164.85	96.0	280.0	1,155.7	1,115.9	39.80	29.038		
5,600.0	5,459.2	5,477.7	5,460.2	26.4	19.7	-165.17	96.0	280.0	1,180.8	1,140.3	40.51	29.147		
5,700.0	5,555.8	5,574.2	5,556.8	26.9	20.0	-165.49	96.0	280.0	1,206.0	1,164.8	41.23	29.253		
5,800.0	5,652.4	5,670.8	5,653.4	27.5	20.3	-165.79	96.0	280.0	1,231.2	1,189.3	41.94	29.355		
5,900.0	5,748.9	5,767.4	5,749.9	28.0	20.7	-166.08	96.0	280.0	1,256.5	1,213.8	42.66	29.455		
6,000.0	5,845.5	5,863.9	5,846.5	28.6	21.0	-166.36	96.0	280.0	1,281.8	1,238.4	43.38	29.551		
6,100.0	5,942.1	5,960.5	5,943.1	29.1	21.3	-166.63	96.0	280.0	1,307.1	1,263.0	44.09	29.644		
6,200.0	6,038.6	6,057.1	6,039.6	29.7	21.7	-166.89	96.0	280.0	1,332.4	1,287.6	44.81	29.734		
6,300.0	6,135.2	6,153.6	6,136.2	30.2	22.0	-167.14	96.0	280.0	1,357.8	1,312.3	45.53	29.822		
6,400.0	6,231.8	6,250.2	6,232.8	30.8	22.4	-167.37	96.0	280.0	1,383.2	1,336.9	46.25	29.907		
6,500.0	6,328.3	6,346.8	6,329.3	31.3	22.7	-167.61	96.0	280.0	1,408.6	1,361.6	46.97	29.990		
6,600.0	6,424.9	6,443.3	6,425.9	31.9	23.0	-167.83	96.0	280.0	1,434.0	1,386.3	47.69	30.070		
6,700.0	6,521.5	6,539.9	6,522.5	32.4	23.4	-168.04	96.0	280.0	1,459.5	1,411.0	48.41	30.148		
6,800.0	6,618.0	6,636.5	6,619.0	33.0	23.7	-168.25	96.0	280.0	1,484.9	1,435.8	49.13	30.224		
6,900.0	6,714.6	6,733.0	6,715.6	33.5	24.0	-168.45	96.0	280.0	1,510.4	1,460.5	49.85	30.297		
6,942.4	6,755.5	6,774.0	6,756.5	33.8	24.2	-168.53	96.0	280.0	1,521.2	1,471.1	50.16	30.328		
7,000.0	6,811.3	6,829.7	6,812.3	34.1	24.4	-168.68	96.0	280.0	1,535.5	1,484.9	50.57	30.361		
7,100.0	6,908.5	6,927.0	6,909.5	34.6	24.7	-168.92	96.0	280.0	1,558.3	1,507.0	51.29	30.380		
7,200.0	7,006.4	7,024.8	7,007.4	35.1	25.1	-169.12	96.0	280.0	1,578.7	1,526.6	52.01	30.352		
7,300.0	7,104.7	7,123.1	7,105.7	35.5	25.4	-169.30	96.0	280.0	1,596.5	1,543.7	52.73	30.279		
7,400.0	7,203.5	7,221.9	7,204.5	36.0	25.7	-169.44	96.0	280.0	1,611.8	1,558.3	53.43	30.163		
7,500.0	7,302.6	7,293.0	7,275.4	36.4	26.0	-169.64	96.5	277.1	1,625.3	1,571.3	53.92	30.143		
7,600.0	7,402.1	7,358.1	7,339.7	36.7	26.2	-170.08	98.3	266.9	1,638.2	1,583.9	54.30	30.171		
7,700.0	7,501.8	7,420.0	7,399.3	37.1	26.4	-170.71	101.2	250.7	1,650.9	1,596.3	54.59	30.242		
7,800.0	7,601.6	7,477.7	7,453.0	37.4	26.5	-171.47	104.9	229.9	1,663.5	1,608.8	54.78	30.366		
7,900.0	7,701.6	7,530.7	7,500.2	37.7	26.6	-172.32	109.1	206.3	1,676.5	1,621.6	54.87	30.555		
7,946.4	7,748.0	7,550.0	7,516.9	37.8	26.7	-2.63	110.8	196.6	1,682.8	1,627.9	54.84	30.688		
7,950.0	7,751.6	7,550.0	7,516.9	37.8	26.7	87.68	110.8	196.6	1,683.3	1,628.4	54.82	30.706		
8,000.0	7,801.5	7,579.6	7,541.6	37.9	26.8	86.46	113.6	180.7	1,690.4	1,635.6	54.83	30.828		
8,050.0	7,851.0	7,600.0	7,558.3	38.1	26.8	85.36	115.7	169.0	1,698.1	1,643.4	54.76	31.013		
8,100.0	7,899.8	7,628.0	7,580.3	38.2	26.9	84.15	118.7	152.1	1,706.3	1,651.6	54.73	31.177		
8,150.0	7,947.4	7,650.0	7,597.1	38.3	27.0	83.02	121.2	138.0	1,714.8	1,660.2	54.64	31.383		
8,200.0	7,993.4	7,676.3	7,616.4	38.3	27.0	81.85	124.3	120.4	1,723.6	1,669.0	54.59	31.573		
8,250.0	8,037.6	7,700.0	7,633.0	38.4	27.1	80.75	127.2	103.8	1,732.4	1,677.9	54.51	31.782		
8,300.0	8,079.6	7,724.7	7,649.6	38.5	27.2	79.67	130.4	85.8	1,741.4	1,686.9	54.45	31.979		
8,350.0	8,119.0	7,750.0	7,665.8	38.5	27.3	78.64	133.8	66.6	1,750.2	1,695.8	54.41	32.166		
8,400.0	8,155.7	7,773.0	7,679.7	38.6	27.4	77.67	137.0	48.7	1,759.0	1,704.6	54.38	32.347		
8,450.0	8,189.2	7,800.0	7,695.1	38.6	27.5	76.76	140.9	26.8	1,767.5	1,713.1	54.41	32.483		
8,500.0	8,219.4	7,821.1	7,706.4	38.7	27.6	75.92	144.0	9.2	1,775.8	1,721.3	54.44	32.620		
8,550.0	8,246.0	7,850.0	7,720.8	38.7	27.7	75.16	148.4	-15.4	1,783.7	1,729.1	54.58	32.678		
8,600.0	8,268.8	7,869.2	7,729.7	38.7	27.8	74.47	151.3	-32.2	1,791.2	1,736.5	54.70	32.744		
8,650.0	8,287.6	7,900.0	7,742.7	38.7	27.9	73.89	156.2	-59.7	1,798.3	1,743.3	54.99	32.701		
8,700.0	8,302.4	7,917.2	7,749.3	38.8	28.0	73.34	159.0	-75.3	1,804.8	1,749.6	55.23	32.680		
8,750.0	8,312.9	7,950.0	7,760.5	38.8	28.2	72.97	164.4	-105.6	1,810.9	1,755.2	55.68	32.525		
8,800.0	8,319.1	7,965.0	7,765.1	38.8	28.3	72.56	166.9	-119.7	1,816.3	1,760.3	56.04	32.413		
8,846.4	8,321.0	7,987.1	7,771.1	38.9	28.5	72.31	170.6	-140.7	1,820.9	1,764.4	56.51	32.224		
8,904.4	8,321.0	8,015.2	7,777.6	39.0	28.6	72.55	175.3	-167.5	1,826.8	1,769.7	57.16	31.961		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.0	8,321.0	8,062.5	7,785.5	39.2	29.0	72.87	183.5	-213.5	1,838.6	1,780.3	58.32	31.528		
9,100.0	8,321.0	8,113.2	7,789.6	39.5	29.4	73.08	192.3	-263.2	1,853.6	1,794.0	59.63	31.085		
9,200.0	8,321.0	8,287.5	7,790.0	40.0	31.1	73.34	218.7	-435.5	1,869.2	1,806.8	62.44	29.936		
9,300.0	8,321.0	8,554.8	7,790.0	40.8	34.5	73.53	238.8	-701.9	1,877.0	1,809.7	67.33	27.878		
9,400.0	8,321.0	8,781.2	7,790.0	41.8	38.0	73.52	236.4	-928.3	1,876.2	1,803.8	72.34	25.937		
9,500.0	8,321.0	8,881.2	7,790.0	43.0	39.7	73.49	232.3	-1,028.1	1,872.8	1,797.3	75.46	24.817		
9,600.0	8,321.0	8,981.1	7,790.0	44.3	41.5	73.46	228.1	-1,128.0	1,869.4	1,790.7	78.74	23.741		
9,700.0	8,321.0	9,081.0	7,790.0	45.8	43.3	73.43	224.0	-1,227.9	1,866.0	1,783.9	82.16	22.712		
9,800.0	8,321.0	9,181.0	7,790.0	47.4	45.2	73.39	219.8	-1,327.7	1,862.7	1,777.0	85.70	21.735		
9,900.0	8,321.0	9,280.9	7,790.0	49.1	47.1	73.36	215.7	-1,427.6	1,859.3	1,769.9	89.34	20.810		
10,000.0	8,321.0	9,380.9	7,790.0	50.9	49.1	73.33	211.5	-1,527.4	1,855.9	1,762.8	93.08	19.938		
10,100.0	8,321.0	9,480.8	7,790.0	52.8	51.1	73.30	207.4	-1,627.3	1,852.5	1,755.6	96.90	19.117		
10,200.0	8,321.0	9,580.7	7,790.0	54.7	53.2	73.27	203.2	-1,727.1	1,849.1	1,748.3	100.80	18.345		
10,300.0	8,321.0	9,680.7	7,790.0	56.6	55.3	73.24	199.1	-1,827.0	1,845.8	1,741.0	104.76	17.620		
10,400.0	8,321.0	9,780.6	7,790.0	58.6	57.4	73.21	194.9	-1,926.8	1,842.4	1,733.6	108.77	16.938		
10,500.0	8,321.0	9,880.5	7,790.0	60.6	59.5	73.18	190.7	-2,026.7	1,839.0	1,726.2	112.84	16.298		
10,600.0	8,321.0	9,980.5	7,790.0	62.7	61.7	73.14	186.6	-2,126.5	1,835.6	1,718.7	116.95	15.696		
10,700.0	8,321.0	10,080.4	7,790.0	64.7	63.9	73.11	182.4	-2,226.4	1,832.3	1,711.1	121.11	15.129		
10,800.0	8,321.0	10,180.4	7,790.0	66.8	66.1	73.08	178.3	-2,326.2	1,828.9	1,703.6	125.30	14.596		
10,900.0	8,321.0	10,280.3	7,790.0	69.0	68.3	73.05	174.1	-2,426.1	1,825.5	1,696.0	129.52	14.094		
11,000.0	8,321.0	10,380.2	7,790.0	71.1	70.5	73.01	170.0	-2,525.9	1,822.1	1,688.4	133.77	13.621		
11,100.0	8,321.0	10,480.2	7,790.0	73.3	72.8	72.98	165.8	-2,625.8	1,818.8	1,680.7	138.05	13.174		
11,200.0	8,321.0	10,580.1	7,790.0	75.5	75.0	72.95	161.7	-2,725.6	1,815.4	1,673.0	142.35	12.753		
11,300.0	8,321.0	10,680.0	7,790.0	77.7	77.3	72.92	157.5	-2,825.5	1,812.0	1,665.3	146.68	12.354		
11,400.0	8,321.0	10,780.0	7,790.0	79.9	79.6	72.88	153.4	-2,925.3	1,808.6	1,657.6	151.02	11.976		
11,500.0	8,321.0	10,879.9	7,790.0	82.1	81.9	72.85	149.2	-3,025.2	1,805.3	1,649.9	155.39	11.618		
11,600.0	8,321.0	10,979.9	7,790.0	84.4	84.2	72.82	145.1	-3,125.0	1,801.9	1,642.1	159.77	11.278		
11,700.0	8,321.0	11,079.8	7,790.0	86.7	86.5	72.78	140.9	-3,224.9	1,798.5	1,634.4	164.16	10.956		
11,800.0	8,321.0	11,179.7	7,790.0	88.9	88.8	72.75	136.8	-3,324.7	1,795.2	1,626.6	168.57	10.649		
11,900.0	8,321.0	11,279.7	7,790.0	91.2	91.1	72.72	132.6	-3,424.6	1,791.8	1,618.8	172.99	10.358		
12,000.0	8,321.0	11,379.6	7,790.0	93.5	93.4	72.68	128.5	-3,524.4	1,788.4	1,611.0	177.42	10.080		
12,100.0	8,321.0	11,479.5	7,790.0	95.8	95.8	72.65	124.3	-3,624.3	1,785.0	1,603.2	181.86	9.816		
12,200.0	8,321.0	11,579.5	7,790.0	98.1	98.1	72.62	120.1	-3,724.1	1,781.7	1,595.4	186.31	9.563		
12,300.0	8,321.0	11,679.4	7,790.0	100.4	100.4	72.58	116.0	-3,824.0	1,778.3	1,587.5	190.77	9.322		
12,400.0	8,321.0	11,779.4	7,790.0	102.7	102.8	72.55	111.8	-3,923.8	1,774.9	1,579.7	195.24	9.091		
12,500.0	8,321.0	11,879.3	7,790.0	105.0	105.1	72.51	107.7	-4,023.7	1,771.6	1,571.9	199.71	8.871		
12,600.0	8,321.0	11,979.2	7,790.0	107.4	107.5	72.48	103.5	-4,123.5	1,768.2	1,564.0	204.19	8.660		
12,700.0	8,321.0	12,079.2	7,790.0	109.7	109.8	72.45	99.4	-4,223.4	1,764.9	1,556.2	208.68	8.457		
12,800.0	8,321.0	12,179.1	7,790.0	112.0	112.2	72.41	95.2	-4,323.2	1,761.5	1,548.3	213.17	8.263		
12,900.0	8,321.0	12,279.0	7,790.0	114.4	114.6	72.38	91.1	-4,423.1	1,758.1	1,540.5	217.67	8.077		
13,000.0	8,321.0	12,379.0	7,790.0	116.7	116.9	72.34	86.9	-4,522.9	1,754.8	1,532.6	222.17	7.898		
13,100.0	8,321.0	12,478.9	7,790.0	119.1	119.3	72.31	82.8	-4,622.8	1,751.4	1,524.7	226.68	7.726		
13,200.0	8,321.0	12,578.9	7,790.0	121.4	121.7	72.27	78.6	-4,722.7	1,748.0	1,516.8	231.19	7.561		
13,300.0	8,321.0	12,678.8	7,790.0	123.8	124.1	72.24	74.5	-4,822.5	1,744.7	1,509.0	235.71	7.402		
13,400.0	8,321.0	12,778.7	7,790.0	126.1	126.5	72.20	70.3	-4,922.4	1,741.3	1,501.1	240.22	7.249		
13,500.0	8,321.0	12,878.7	7,790.0	128.5	128.8	72.17	66.2	-5,022.2	1,738.0	1,493.2	244.74	7.101		
13,594.1	8,321.0	12,972.7	7,790.0	130.7	131.1	72.13	62.2	-5,116.2	1,734.6	1,485.6	249.00	6.966		
13,600.0	8,321.0	12,978.6	7,790.0	130.9	131.2	72.13	62.0	-5,122.0	1,734.4	1,485.1	249.26	6.958		
13,695.2	8,321.0	13,073.8	7,790.0	133.1	133.5	72.12	58.0	-5,217.1	1,732.9	1,479.3	253.59	6.833		
13,696.0	8,321.0	13,074.6	7,790.0	133.2	133.5	72.12	58.0	-5,217.9	1,732.9	1,479.2	253.63	6.832		
13,700.0	8,321.0	13,078.6	7,790.0	133.3	133.6	72.12	57.8	-5,221.9	1,732.9	1,479.0	253.81	6.827		
13,800.0	8,321.0	13,178.6	7,790.0	135.6	136.0	72.12	53.7	-5,321.9	1,732.9	1,474.5	258.39	6.707		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
13,900.0	8,321.0	13,278.6	7,790.0	138.0	138.4	72.12	49.5	-5,421.8	1,732.9	1,469.9	262.96	6.590		
14,000.0	8,321.0	13,378.6	7,790.0	140.4	140.8	72.12	45.4	-5,521.7	1,732.9	1,465.4	267.55	6.477		
14,100.0	8,321.0	13,478.6	7,790.0	142.8	143.2	72.12	41.2	-5,621.6	1,733.0	1,460.8	272.13	6.368		
14,200.0	8,321.0	13,578.6	7,790.0	145.2	145.6	72.12	37.1	-5,721.5	1,733.0	1,456.3	276.72	6.263		
14,300.0	8,321.0	13,678.6	7,790.0	147.5	148.0	72.12	32.9	-5,821.4	1,733.0	1,451.7	281.31	6.161		
14,400.0	8,321.0	13,778.6	7,790.0	149.9	150.4	72.12	28.8	-5,921.3	1,733.0	1,447.1	285.90	6.062		
14,500.0	8,321.0	13,878.6	7,790.0	152.3	152.8	72.12	24.6	-6,021.3	1,733.1	1,442.6	290.50	5.966		
14,600.0	8,321.0	13,978.6	7,790.0	154.7	155.2	72.12	20.4	-6,121.2	1,733.1	1,438.0	295.10	5.873		
14,700.0	8,321.0	14,078.6	7,790.0	157.1	157.6	72.12	16.3	-6,221.1	1,733.1	1,433.4	299.70	5.783		
14,800.0	8,321.0	14,178.6	7,790.0	159.5	160.0	72.12	12.1	-6,321.0	1,733.1	1,428.8	304.31	5.695		
14,900.0	8,321.0	14,278.6	7,790.0	161.9	162.4	72.12	8.0	-6,420.9	1,733.2	1,424.3	308.91	5.611		
15,000.0	8,321.0	14,378.6	7,790.0	164.3	164.8	72.12	3.8	-6,520.8	1,733.2	1,419.7	313.52	5.528		
15,100.0	8,321.0	14,478.6	7,790.0	166.7	167.2	72.12	-0.3	-6,620.7	1,733.2	1,415.1	318.13	5.448		
15,200.0	8,321.0	14,578.6	7,790.0	169.1	169.6	72.12	-4.5	-6,720.6	1,733.2	1,410.5	322.75	5.370		
15,300.0	8,321.0	14,678.6	7,790.0	171.5	172.0	72.12	-8.6	-6,820.6	1,733.3	1,405.9	327.36	5.295		
15,400.0	8,321.0	14,778.6	7,790.0	173.9	174.4	72.13	-12.8	-6,920.5	1,733.3	1,401.3	331.98	5.221		
15,500.0	8,321.0	14,878.6	7,790.0	176.3	176.9	72.13	-17.0	-7,020.4	1,733.3	1,396.7	336.60	5.150		
15,600.0	8,321.0	14,978.6	7,790.0	178.7	179.3	72.13	-21.1	-7,120.3	1,733.3	1,392.1	341.22	5.080		
15,700.0	8,321.0	15,078.6	7,790.0	181.1	181.7	72.13	-25.3	-7,220.2	1,733.4	1,387.5	345.84	5.012		
15,800.0	8,321.0	15,178.6	7,790.0	183.5	184.1	72.13	-29.4	-7,320.1	1,733.4	1,382.9	350.47	4.946		
15,900.0	8,321.0	15,278.6	7,790.0	185.9	186.5	72.13	-33.6	-7,420.0	1,733.4	1,378.3	355.09	4.882		
16,000.0	8,321.0	15,378.6	7,790.0	188.3	188.9	72.13	-37.7	-7,520.0	1,733.5	1,373.7	359.72	4.819		
16,100.0	8,321.0	15,478.6	7,790.0	190.8	191.3	72.13	-41.9	-7,619.9	1,733.5	1,369.1	364.35	4.758		
16,200.0	8,321.0	15,578.6	7,790.0	193.2	193.8	72.13	-46.0	-7,719.8	1,733.5	1,364.5	368.98	4.698		
16,300.0	8,321.0	15,678.6	7,790.0	195.6	196.2	72.13	-50.2	-7,819.7	1,733.5	1,359.9	373.61	4.640		
16,400.0	8,321.0	15,778.6	7,790.0	198.0	198.6	72.13	-54.4	-7,919.6	1,733.6	1,355.3	378.24	4.583		
16,500.0	8,321.0	15,878.6	7,790.0	200.4	201.0	72.13	-58.5	-8,019.5	1,733.6	1,350.7	382.87	4.528		
16,600.0	8,321.0	15,978.6	7,790.0	202.8	203.4	72.13	-62.7	-8,119.4	1,733.6	1,346.1	387.51	4.474		
16,700.0	8,321.0	16,078.6	7,790.0	205.2	205.9	72.13	-66.8	-8,219.4	1,733.6	1,341.5	392.14	4.421		
16,800.0	8,321.0	16,178.6	7,790.0	207.7	208.3	72.13	-71.0	-8,319.3	1,733.7	1,336.9	396.78	4.369		
16,900.0	8,321.0	16,278.6	7,790.0	210.1	210.7	72.13	-75.1	-8,419.2	1,733.7	1,332.3	401.42	4.319		
17,000.0	8,321.0	16,378.6	7,790.0	212.5	213.1	72.13	-79.3	-8,519.1	1,733.7	1,327.7	406.06	4.270		
17,100.0	8,321.0	16,478.6	7,790.0	214.9	215.5	72.13	-83.4	-8,619.0	1,733.7	1,323.0	410.70	4.221		
17,200.0	8,321.0	16,578.6	7,790.0	217.3	218.0	72.13	-87.6	-8,718.9	1,733.8	1,318.4	415.34	4.174		
17,300.0	8,321.0	16,678.6	7,790.0	219.8	220.4	72.13	-91.8	-8,818.8	1,733.8	1,313.8	419.98	4.128		
17,400.0	8,321.0	16,778.6	7,790.0	222.2	222.8	72.13	-95.9	-8,918.7	1,733.8	1,309.2	424.62	4.083		
17,500.0	8,321.0	16,878.6	7,790.0	224.6	225.2	72.13	-100.1	-9,018.7	1,733.8	1,304.6	429.27	4.039		
17,600.0	8,321.0	16,978.6	7,790.0	227.0	227.7	72.13	-104.2	-9,118.6	1,733.9	1,300.0	433.91	3.996		
17,700.0	8,321.0	17,078.6	7,790.0	229.4	230.1	72.13	-108.4	-9,218.5	1,733.9	1,295.3	438.56	3.954		
17,800.0	8,321.0	17,178.6	7,790.0	231.9	232.5	72.13	-112.5	-9,318.4	1,733.9	1,290.7	443.20	3.912		
17,900.0	8,321.0	17,278.6	7,790.0	234.3	234.9	72.13	-116.7	-9,418.3	1,733.9	1,286.1	447.85	3.872		
18,000.0	8,321.0	17,378.6	7,790.0	236.7	237.4	72.13	-120.8	-9,518.2	1,734.0	1,281.5	452.50	3.832		
18,100.0	8,321.0	17,478.6	7,790.0	239.1	239.8	72.13	-125.0	-9,618.1	1,734.0	1,276.8	457.15	3.793		
18,200.0	8,321.0	17,578.6	7,790.0	241.6	242.2	72.13	-129.2	-9,718.1	1,734.0	1,272.2	461.80	3.755		
18,300.0	8,321.0	17,678.6	7,790.0	244.0	244.6	72.13	-133.3	-9,818.0	1,734.0	1,267.6	466.45	3.718		
18,400.0	8,321.0	17,778.6	7,790.0	246.4	247.1	72.13	-137.5	-9,917.9	1,734.1	1,263.0	471.10	3.681		
18,500.0	8,321.0	17,878.6	7,790.0	248.8	249.5	72.13	-141.6	-10,017.8	1,734.1	1,258.4	475.75	3.645		
18,600.0	8,321.0	17,978.6	7,790.0	251.3	251.9	72.13	-145.8	-10,117.7	1,734.1	1,253.7	480.40	3.610		
18,700.0	8,321.0	18,078.6	7,790.0	253.7	254.4	72.13	-149.9	-10,217.6	1,734.2	1,249.1	485.05	3.575		
18,769.8	8,321.0	18,080.6	7,790.0	255.4	254.4	72.13	-150.0	-10,219.6	1,735.5	1,249.3	486.21	3.569 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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	1.0	1.0	0.0	0.0	0.00	80.0	0.0	80.0				
100.0	100.0	101.0	101.0	0.1	0.1	0.00	80.0	0.0	80.0	79.7	0.26	307.847	
200.0	200.0	201.0	201.0	0.5	0.5	0.00	80.0	0.0	80.0	79.0	0.98	81.904	
300.0	300.0	301.0	301.0	0.8	0.8	0.00	80.0	0.0	80.0	78.3	1.69	47.236	
400.0	400.0	401.0	401.0	1.2	1.2	0.00	80.0	0.0	80.0	77.6	2.41	33.188	
500.0	500.0	501.0	501.0	1.6	1.6	0.00	80.0	0.0	80.0	76.9	3.13	25.581	
600.0	600.0	602.4	602.4	1.9	1.9	0.18	79.1	0.2	79.1	75.3	3.83	20.643	
700.0	700.0	703.7	703.6	2.3	2.3	0.74	76.5	1.0	76.6	72.0	4.53	16.898	
800.0	800.0	804.8	804.7	2.6	2.6	1.74	72.2	2.2	72.3	67.1	5.24	13.815	
900.0	900.0	905.8	905.4	3.0	2.9	3.37	66.2	3.9	66.4	60.5	5.94	11.181	
1,000.0	1,000.0	1,006.5	1,005.8	3.4	3.3	5.93	58.5	6.1	59.0	52.3	6.65	8.869	
1,100.0	1,100.0	1,107.1	1,105.9	3.7	3.7	-160.68	49.1	8.7	51.7	44.4	7.34	7.045	
1,200.0	1,199.8	1,207.6	1,205.8	4.0	4.1	-156.83	38.0	11.8	46.4	38.4	8.03	5.780	
1,300.0	1,299.5	1,308.2	1,305.5	4.4	4.4	-152.87	25.2	15.4	42.9	34.2	8.72	4.922	
1,400.0	1,398.7	1,408.8	1,405.0	4.7	4.8	-149.31	10.8	19.5	41.3	31.9	9.44	4.378	
1,444.5	1,442.7	1,453.5	1,449.1	4.9	5.0	-147.98	3.8	21.5	41.1	31.4	9.76	4.215 CC	
1,500.0	1,497.5	1,509.3	1,504.1	5.1	5.3	-146.62	-5.3	24.1	41.4	31.2	10.17	4.072 ES	
1,600.0	1,595.6	1,609.3	1,602.5	5.5	5.7	-145.91	-22.2	28.8	43.8	32.9	10.91	4.012	
1,700.0	1,693.1	1,709.1	1,700.8	5.9	6.1	-147.56	-39.0	33.5	49.1	37.4	11.66	4.211	
1,753.0	1,744.3	1,761.9	1,752.8	6.1	6.3	-149.08	-47.8	36.0	53.1	41.1	12.06	4.409	
1,800.0	1,789.7	1,808.7	1,798.9	6.3	6.5	-150.49	-55.7	38.3	57.1	44.7	12.40	4.607	
1,900.0	1,886.3	1,908.3	1,897.0	6.7	7.0	-152.93	-72.5	43.0	65.7	52.6	13.15	4.998	
2,000.0	1,982.9	2,007.9	1,995.0	7.2	7.4	-154.80	-89.2	47.7	74.4	60.5	13.90	5.353	
2,100.0	2,079.4	2,107.5	2,093.1	7.7	7.8	-156.29	-106.0	52.4	83.1	68.5	14.65	5.673	
2,200.0	2,176.0	2,207.1	2,191.2	8.2	8.3	-157.48	-122.7	57.2	91.9	76.5	15.41	5.963	
2,300.0	2,272.6	2,306.7	2,289.2	8.7	8.7	-158.47	-139.5	61.9	100.7	84.5	16.17	6.227	
2,400.0	2,369.1	2,406.3	2,387.3	9.2	9.2	-159.30	-156.3	66.6	109.5	92.6	16.93	6.468	
2,500.0	2,465.7	2,505.9	2,485.4	9.7	9.6	-160.01	-173.0	71.3	118.4	100.7	17.70	6.688	
2,600.0	2,562.3	2,605.5	2,583.4	10.2	10.1	-160.62	-189.8	76.0	127.2	108.8	18.47	6.890	
2,700.0	2,658.8	2,705.1	2,681.5	10.7	10.5	-161.15	-206.5	80.8	136.1	116.9	19.24	7.075	
2,800.0	2,755.4	2,804.7	2,779.6	11.2	10.9	-161.61	-223.3	85.5	145.0	125.0	20.01	7.246	
2,900.0	2,852.0	2,904.3	2,877.6	11.8	11.4	-162.02	-240.1	90.2	153.9	133.1	20.79	7.405	
3,000.0	2,948.5	3,003.9	2,975.7	12.3	11.8	-162.39	-256.8	94.9	162.8	141.3	21.56	7.551	
3,100.0	3,045.1	3,103.5	3,073.8	12.8	12.3	-162.71	-273.6	99.7	171.7	149.4	22.34	7.688	
3,200.0	3,141.7	3,203.1	3,171.8	13.3	12.7	-163.01	-290.3	104.4	180.7	157.5	23.12	7.815	
3,300.0	3,238.2	3,302.7	3,269.9	13.9	13.2	-163.28	-307.1	109.1	189.6	165.7	23.90	7.933	
3,400.0	3,334.8	3,402.3	3,367.9	14.4	13.6	-163.52	-323.8	113.8	198.5	173.8	24.67	8.044	
3,500.0	3,431.4	3,501.9	3,466.0	15.0	14.1	-163.74	-340.6	118.6	207.4	182.0	25.46	8.149	
3,600.0	3,527.9	3,601.5	3,564.1	15.5	14.5	-163.95	-357.4	123.3	216.4	190.1	26.24	8.246	
3,700.0	3,624.5	3,701.1	3,662.1	16.0	15.0	-164.13	-374.1	128.0	225.3	198.3	27.02	8.338	
3,800.0	3,721.1	3,800.7	3,760.2	16.6	15.4	-164.31	-390.9	132.7	234.2	206.4	27.80	8.425	
3,900.0	3,817.6	3,900.3	3,858.3	17.1	15.9	-164.47	-407.6	137.5	243.2	214.6	28.58	8.507	
4,000.0	3,914.2	4,000.1	3,956.3	17.6	16.3	-164.62	-424.4	142.2	252.1	222.7	29.37	8.584	
4,100.0	4,010.8	4,100.5	4,054.4	18.2	16.8	-164.76	-441.1	146.9	261.0	230.9	30.16	8.656	
4,200.0	4,107.3	4,200.9	4,152.5	18.7	17.3	-164.89	-457.9	151.6	270.0	239.0	30.94	8.725	
4,300.0	4,203.9	4,301.3	4,250.5	19.3	17.7	-165.01	-474.7	156.3	278.9	247.2	31.73	8.790	
4,400.0	4,300.4	4,401.7	4,348.6	19.8	18.2	-165.12	-491.4	161.1	287.9	255.3	32.52	8.852	
4,500.0	4,397.0	4,502.1	4,446.6	20.4	18.6	-165.23	-508.2	165.8	296.8	263.5	33.31	8.911	
4,600.0	4,493.6	4,597.5	4,544.7	20.9	19.1	-165.33	-524.9	170.5	305.8	271.7	34.08	8.973	
4,700.0	4,590.1	4,702.9	4,642.8	21.5	19.5	-165.43	-541.7	175.2	314.7	279.8	34.89	9.021	
4,800.0	4,686.7	4,803.3	4,740.8	22.0	20.0	-165.52	-558.4	180.0	323.7	288.0	35.68	9.072	
4,900.0	4,783.3	4,903.7	4,838.9	22.5	20.5	-165.60	-575.2	184.7	332.6	296.1	36.47	9.121	

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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	4,879.8	4,995.9	4,937.0	23.1	20.9	-165.68	-592.0	189.4	341.6	304.3	37.22	9.176		
5,100.0	4,976.4	5,104.5	5,035.0	23.6	21.4	-165.76	-608.7	194.1	350.5	312.5	38.05	9.213		
5,200.0	5,073.0	5,204.9	5,133.1	24.2	21.8	-165.83	-625.5	198.9	359.5	320.6	38.84	9.255		
5,300.0	5,169.5	5,294.7	5,231.2	24.7	22.2	-165.90	-642.2	203.6	368.4	328.8	39.59	9.306		
5,400.0	5,266.1	5,405.7	5,329.2	25.3	22.7	-165.97	-659.0	208.3	377.4	336.9	40.42	9.336		
5,500.0	5,362.7	5,506.1	5,427.3	25.8	23.2	-166.03	-675.8	213.0	386.3	345.1	41.21	9.374		
5,600.0	5,459.2	5,593.4	5,525.4	26.4	23.6	-166.09	-692.5	217.8	395.3	353.3	41.95	9.422		
5,700.0	5,555.8	5,693.0	5,623.4	26.9	24.1	-166.15	-709.3	222.5	404.2	361.5	42.74	9.458		
5,800.0	5,652.4	5,792.6	5,721.5	27.5	24.5	-166.20	-726.0	227.2	413.2	369.6	43.53	9.492		
5,900.0	5,748.9	5,892.2	5,819.5	28.0	25.0	-166.25	-742.8	231.9	422.1	377.8	44.32	9.525		
6,000.0	5,845.5	6,008.2	5,917.6	28.6	25.5	-166.30	-759.5	236.6	431.1	385.9	45.17	9.544		
6,100.0	5,942.1	6,108.6	6,015.7	29.1	26.0	-166.35	-776.3	241.4	440.0	394.1	45.96	9.574		
6,200.0	6,038.6	6,209.0	6,113.7	29.7	26.4	-166.40	-793.1	246.1	449.0	402.2	46.75	9.603		
6,300.0	6,135.2	6,309.4	6,211.8	30.2	26.9	-166.44	-809.8	250.8	457.9	410.4	47.55	9.632		
6,400.0	6,231.8	6,390.2	6,309.9	30.8	27.2	-166.49	-826.6	255.5	466.9	418.6	48.26	9.674		
6,500.0	6,328.3	6,489.8	6,407.9	31.3	27.7	-166.53	-843.3	260.3	475.9	426.8	49.05	9.701		
6,600.0	6,424.9	6,589.4	6,506.0	31.9	28.2	-166.57	-860.1	265.0	484.8	435.0	49.84	9.727		
6,700.0	6,521.5	6,683.0	6,598.1	32.4	28.6	-166.62	-875.5	269.3	494.1	443.5	50.60	9.766		
6,800.0	6,618.0	6,771.4	6,685.6	33.0	29.0	-166.73	-888.3	272.9	505.4	454.1	51.29	9.853		
6,900.0	6,714.6	6,859.3	6,772.7	33.5	29.3	-166.91	-899.1	276.0	518.8	466.9	51.95	9.987		
6,942.4	6,755.5	6,896.4	6,809.6	33.8	29.5	-167.01	-903.1	277.1	525.2	473.0	52.21	10.058		
7,000.0	6,811.3	6,946.7	6,859.7	34.1	29.7	-167.17	-908.0	278.5	534.0	481.4	52.56	10.159		
7,100.0	6,908.5	7,033.8	6,946.5	34.6	30.0	-167.46	-914.9	280.4	549.0	495.9	53.14	10.332		
7,200.0	7,006.4	7,120.7	7,033.2	35.1	30.3	-167.74	-919.8	281.8	563.7	510.0	53.68	10.501		
7,300.0	7,104.7	7,207.3	7,119.7	35.5	30.6	-168.02	-922.9	282.7	578.0	523.8	54.18	10.668		
7,400.0	7,203.5	7,293.6	7,206.1	36.0	30.8	-168.30	-924.1	283.0	591.9	537.2	54.62	10.835		
7,500.0	7,302.6	7,413.9	7,325.6	36.4	31.2	-169.60	-926.0	272.8	602.9	547.4	55.48	10.867		
7,600.0	7,402.1	7,529.9	7,436.6	36.7	31.5	-172.90	-932.1	240.0	608.3	552.3	55.99	10.863		
7,700.0	7,501.8	7,629.7	7,525.0	37.1	31.7	-177.27	-940.5	194.7	611.1	554.8	56.26	10.862		
7,800.0	7,601.6	7,711.6	7,590.6	37.4	31.8	178.16	-949.3	146.8	615.1	558.8	56.32	10.923		
7,900.0	7,701.6	7,777.4	7,638.0	37.7	32.0	173.94	-957.7	101.8	623.6	567.6	55.98	11.140		
7,946.4	7,748.0	7,803.4	7,655.1	37.8	32.0	-17.80	-961.2	82.7	629.7	574.1	55.61	11.323		
7,950.0	7,751.6	7,805.3	7,656.4	37.8	32.0	72.38	-961.5	81.2	630.3	574.7	55.58	11.340		
8,000.0	7,801.5	7,831.7	7,672.9	37.9	32.0	69.81	-965.3	60.9	638.4	583.3	55.04	11.598		
8,050.0	7,851.0	7,857.9	7,688.3	38.1	32.1	67.26	-969.1	40.1	647.4	593.0	54.37	11.907		
8,100.0	7,899.8	7,884.0	7,702.6	38.2	32.1	64.77	-973.1	18.6	657.1	603.5	53.57	12.265		
8,150.0	7,947.4	7,910.0	7,715.9	38.3	32.2	62.37	-977.2	-3.3	667.1	614.4	52.66	12.669		
8,200.0	7,993.4	7,935.8	7,728.1	38.3	32.2	60.07	-981.3	-25.7	677.3	625.7	51.64	13.116		
8,250.0	8,037.6	7,961.6	7,739.2	38.4	32.3	57.90	-985.5	-48.5	687.4	636.9	50.53	13.603		
8,300.0	8,079.6	7,987.2	7,749.2	38.5	32.3	55.88	-989.8	-71.7	697.2	647.9	49.32	14.136		
8,350.0	8,119.0	8,012.8	7,758.2	38.5	32.4	54.01	-994.2	-95.3	706.5	658.4	48.11	14.687		
8,400.0	8,155.7	8,038.3	7,766.0	38.6	32.4	52.29	-998.6	-119.1	715.3	668.4	46.86	15.265		
8,450.0	8,189.2	8,063.8	7,772.7	38.6	32.5	50.74	-1,003.1	-143.3	723.2	677.6	45.61	15.855		
8,500.0	8,219.4	8,089.2	7,778.4	38.7	32.5	49.35	-1,007.6	-167.6	730.2	685.8	44.40	16.447		
8,550.0	8,246.0	8,114.5	7,782.9	38.7	32.6	48.12	-1,012.2	-192.2	736.1	692.9	43.24	17.026		
8,600.0	8,268.8	8,139.8	7,786.3	38.7	32.7	47.06	-1,016.7	-216.8	741.0	698.8	42.17	17.573		
8,650.0	8,287.6	8,165.1	7,788.6	38.7	32.8	46.15	-1,021.3	-241.6	744.6	703.4	41.21	18.070		
8,700.0	8,302.4	8,190.4	7,789.8	38.8	32.9	45.40	-1,025.9	-266.4	747.0	706.6	40.39	18.493		
8,750.0	8,312.9	8,222.5	7,790.0	38.8	33.0	44.69	-1,031.7	-298.0	747.9	708.0	39.88	18.756		
8,800.0	8,319.1	8,263.8	7,790.0	38.8	33.3	44.14	-1,038.7	-338.7	746.6	706.8	39.74	18.788		
8,846.4	8,321.0	8,302.5	7,790.0	38.9	33.5	43.99	-1,044.7	-377.0	743.1	703.3	39.81	18.667		
8,904.4	8,321.0	8,351.3	7,790.0	39.0	33.8	43.62	-1,051.5	-425.2	737.7	697.5	40.10	18.393		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.0	8,321.0	8,432.0	7,790.0	39.2	34.5	43.11	-1,061.0	-505.4	730.3	689.5	40.78	17.907		
9,100.0	8,321.0	8,517.0	7,790.0	39.5	35.4	42.70	-1,068.6	-590.0	724.7	682.9	41.78	17.346		
9,200.0	8,321.0	8,602.3	7,790.0	40.0	36.3	42.44	-1,073.6	-675.2	721.1	678.0	43.05	16.749		
9,300.0	8,321.0	8,700.8	7,790.0	40.8	37.6	42.23	-1,077.8	-773.6	718.7	673.8	44.91	16.003		
9,400.0	8,321.0	8,800.8	7,790.0	41.8	39.0	42.02	-1,081.9	-873.5	716.3	669.4	46.96	15.255		
9,500.0	8,321.0	8,900.7	7,790.0	43.0	40.5	41.81	-1,086.1	-973.3	714.0	664.8	49.14	14.530		
9,600.0	8,321.0	9,000.6	7,790.0	44.3	42.1	41.60	-1,090.2	-1,073.2	711.6	660.2	51.43	13.838		
9,700.0	8,321.0	9,100.6	7,790.0	45.8	43.8	41.39	-1,094.4	-1,173.0	709.3	655.5	53.81	13.182		
9,800.0	8,321.0	9,200.5	7,790.0	47.4	45.6	41.17	-1,098.5	-1,272.9	706.9	650.7	56.26	12.565		
9,900.0	8,321.0	9,300.5	7,790.0	49.1	47.4	40.96	-1,102.7	-1,372.7	704.6	645.8	58.78	11.988		
10,000.0	8,321.0	9,400.4	7,790.0	50.9	49.3	40.74	-1,106.9	-1,472.6	702.3	641.0	61.35	11.448		
10,100.0	8,321.0	9,500.3	7,790.0	52.8	51.3	40.52	-1,111.0	-1,572.4	700.0	636.1	63.95	10.945		
10,200.0	8,321.0	9,600.3	7,790.0	54.7	53.3	40.30	-1,115.2	-1,672.3	697.7	631.1	66.59	10.477		
10,300.0	8,321.0	9,700.2	7,790.0	56.6	55.3	40.08	-1,119.3	-1,772.1	695.4	626.2	69.26	10.042		
10,400.0	8,321.0	9,800.1	7,790.0	58.6	57.3	39.85	-1,123.5	-1,872.0	693.2	621.2	71.94	9.636		
10,500.0	8,321.0	9,900.1	7,790.0	60.6	59.4	39.63	-1,127.6	-1,971.8	690.9	616.3	74.63	9.258		
10,600.0	8,321.0	10,000.0	7,790.0	62.7	61.5	39.40	-1,131.8	-2,071.7	688.7	611.3	77.33	8.906		
10,700.0	8,321.0	10,100.0	7,790.0	64.7	63.7	39.18	-1,136.0	-2,171.5	686.4	606.4	80.03	8.577		
10,800.0	8,321.0	10,200.1	7,790.0	66.8	65.8	38.95	-1,140.1	-2,271.4	684.2	601.5	82.74	8.270		
10,900.0	8,321.0	10,300.2	7,790.0	69.0	68.0	38.72	-1,144.3	-2,371.2	682.0	596.5	85.44	7.982		
11,000.0	8,321.0	10,400.2	7,790.0	71.1	70.2	38.48	-1,148.4	-2,471.1	679.8	591.6	88.13	7.713		
11,100.0	8,321.0	10,500.3	7,790.0	73.3	72.4	38.25	-1,152.6	-2,571.0	677.6	586.8	90.82	7.461		
11,200.0	8,321.0	10,599.6	7,790.0	75.5	74.6	38.02	-1,156.7	-2,670.8	675.4	581.9	93.48	7.225		
11,300.0	8,321.0	10,700.4	7,790.0	77.7	76.9	37.78	-1,160.9	-2,770.7	673.2	577.1	96.15	7.002		
11,400.0	8,321.0	10,800.5	7,790.0	79.9	79.1	37.54	-1,165.1	-2,870.5	671.1	572.3	98.80	6.792		
11,500.0	8,321.0	10,900.5	7,790.0	82.1	81.4	37.30	-1,169.2	-2,970.4	668.9	567.5	101.43	6.595		
11,600.0	8,321.0	10,999.4	7,790.0	84.4	83.7	37.06	-1,173.4	-3,070.2	666.8	562.8	104.02	6.410		
11,700.0	8,321.0	11,100.7	7,790.0	86.7	86.0	36.82	-1,177.5	-3,170.1	664.7	558.0	106.63	6.233		
11,800.0	8,321.0	11,200.7	7,790.0	88.9	88.3	36.57	-1,181.7	-3,269.9	662.6	553.4	109.21	6.067		
11,900.0	8,321.0	11,299.2	7,790.0	91.2	90.5	36.33	-1,185.8	-3,369.8	660.5	548.7	111.73	5.911		
12,000.0	8,321.0	11,400.9	7,790.0	93.5	92.9	36.08	-1,190.0	-3,469.6	658.4	544.1	114.28	5.761		
12,100.0	8,321.0	11,499.1	7,790.0	95.8	95.1	35.83	-1,194.2	-3,569.5	656.3	539.5	116.76	5.621		
12,200.0	8,321.0	11,601.0	7,790.0	98.1	97.5	35.58	-1,198.3	-3,669.3	654.2	535.0	119.27	5.486		
12,300.0	8,321.0	11,701.0	7,790.0	100.4	99.8	35.33	-1,202.5	-3,769.2	652.2	530.5	121.72	5.358		
12,400.0	8,321.0	11,801.1	7,790.0	102.7	102.2	35.07	-1,206.6	-3,869.0	650.1	526.0	124.15	5.237		
12,500.0	8,321.0	11,901.2	7,790.0	105.0	104.5	34.82	-1,210.8	-3,968.9	648.1	521.6	126.54	5.122		
12,600.0	8,321.0	12,001.2	7,790.0	107.4	106.8	34.56	-1,214.9	-4,068.7	646.1	517.2	128.92	5.012		
12,700.0	8,321.0	12,101.3	7,790.0	109.7	109.2	34.30	-1,219.1	-4,168.6	644.1	512.9	131.26	4.907		
12,800.0	8,321.0	12,201.3	7,790.0	112.0	111.5	34.04	-1,223.3	-4,268.4	642.1	508.6	133.57	4.807		
12,900.0	8,321.0	12,301.4	7,790.0	114.4	113.9	33.78	-1,227.4	-4,368.3	640.2	504.3	135.86	4.712		
13,000.0	8,321.0	12,401.5	7,790.0	116.7	116.2	33.52	-1,231.6	-4,468.1	638.2	500.1	138.11	4.621		
13,100.0	8,321.0	12,501.5	7,790.0	119.1	118.6	33.25	-1,235.7	-4,568.0	636.3	495.9	140.33	4.534		
13,200.0	8,321.0	12,601.6	7,790.0	121.4	121.0	32.98	-1,239.9	-4,667.8	634.3	491.8	142.52	4.451		
13,300.0	8,321.0	12,701.7	7,790.0	123.8	123.3	32.72	-1,244.0	-4,767.7	632.4	487.7	144.68	4.371		
13,400.0	8,321.0	12,801.7	7,790.0	126.1	125.7	32.45	-1,248.2	-4,867.5	630.5	483.7	146.81	4.295		
13,500.0	8,321.0	12,901.8	7,790.0	128.5	128.1	32.18	-1,252.4	-4,967.4	628.6	479.7	148.90	4.222		
13,594.1	8,321.0	13,007.7	7,790.0	130.7	130.6	31.89	-1,256.3	-5,061.3	626.7	475.8	150.94	4.152		
13,600.0	8,321.0	12,998.1	7,790.0	130.9	130.4	31.88	-1,256.5	-5,067.2	626.6	475.8	150.84	4.154		
13,695.3	8,321.0	13,106.6	7,790.0	133.1	133.0	31.77	-1,260.5	-5,162.4	625.8	472.4	153.38	4.080		
13,696.0	8,321.0	13,094.1	7,790.0	133.2	132.7	31.77	-1,260.5	-5,163.1	625.8	472.6	153.22	4.084		
13,700.0	8,321.0	13,101.9	7,790.0	133.3	132.8	31.77	-1,260.7	-5,167.1	625.8	472.4	153.38	4.080		
13,800.0	8,321.0	13,201.9	7,790.0	135.6	135.2	31.77	-1,264.8	-5,267.0	625.8	469.6	156.25	4.005		

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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	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		
13,900.0	8,321.0	13,301.9	7,790.0	138.0	137.6	31.78	-1,269.0	-5,366.9	625.8	466.7	159.12	3.933		
14,000.0	8,321.0	13,401.9	7,790.0	140.4	140.0	31.78	-1,273.1	-5,466.9	625.8	463.8	161.99	3.863		
14,100.0	8,321.0	13,501.9	7,790.0	142.8	142.4	31.78	-1,277.3	-5,566.8	625.8	461.0	164.86	3.796		
14,200.0	8,321.0	13,598.1	7,790.0	145.2	144.7	31.78	-1,281.5	-5,666.7	625.9	458.2	167.68	3.732		
14,300.0	8,321.0	13,701.9	7,790.0	147.5	147.2	31.78	-1,285.6	-5,766.6	625.9	455.3	170.61	3.668		
14,400.0	8,321.0	13,801.9	7,790.0	149.9	149.6	31.78	-1,289.8	-5,866.5	625.9	452.4	173.49	3.608		
14,500.0	8,321.0	13,901.9	7,790.0	152.3	151.9	31.79	-1,293.9	-5,966.4	625.9	449.5	176.36	3.549		
14,600.0	8,321.0	13,998.1	7,790.0	154.7	154.2	31.79	-1,298.1	-6,066.3	625.9	446.7	179.19	3.493		
14,700.0	8,321.0	14,101.9	7,790.0	157.1	156.7	31.79	-1,302.3	-6,166.3	625.9	443.8	182.13	3.437		
14,800.0	8,321.0	14,201.9	7,790.0	159.5	159.1	31.79	-1,306.4	-6,266.2	625.9	440.9	185.01	3.383		
14,900.0	8,321.0	14,301.9	7,790.0	161.9	161.5	31.79	-1,310.6	-6,366.1	625.9	438.1	187.89	3.331		
15,000.0	8,321.0	14,401.9	7,790.0	164.3	163.9	31.80	-1,314.7	-6,466.0	626.0	435.2	190.77	3.281		
15,100.0	8,321.0	14,501.9	7,790.0	166.7	166.3	31.80	-1,318.9	-6,565.9	626.0	432.3	193.66	3.232		
15,200.0	8,321.0	14,601.9	7,790.0	169.1	168.7	31.80	-1,323.1	-6,665.8	626.0	429.4	196.55	3.185		
15,300.0	8,321.0	14,701.9	7,790.0	171.5	171.1	31.80	-1,327.2	-6,765.7	626.0	426.6	199.43	3.139		
15,400.0	8,321.0	14,798.1	7,790.0	173.9	173.5	31.80	-1,331.4	-6,865.6	626.0	423.7	202.27	3.095		
15,500.0	8,321.0	14,901.9	7,790.0	176.3	176.0	31.81	-1,335.5	-6,965.6	626.0	420.8	205.21	3.051		
15,600.0	8,321.0	15,001.9	7,790.0	178.7	178.4	31.81	-1,339.7	-7,065.5	626.0	417.9	208.10	3.008		
15,700.0	8,321.0	15,101.9	7,790.0	181.1	180.8	31.81	-1,343.9	-7,165.4	626.0	415.0	211.00	2.967		
15,800.0	8,321.0	15,201.9	7,790.0	183.5	183.2	31.81	-1,348.0	-7,265.3	626.0	412.2	213.89	2.927		
15,900.0	8,321.0	15,301.9	7,790.0	185.9	185.6	31.81	-1,352.2	-7,365.2	626.1	409.3	216.78	2.888		
16,000.0	8,321.0	15,401.9	7,790.0	188.3	188.0	31.81	-1,356.3	-7,465.1	626.1	406.4	219.68	2.850		
16,100.0	8,321.0	15,501.9	7,790.0	190.8	190.4	31.82	-1,360.5	-7,565.0	626.1	403.5	222.57	2.813		
16,200.0	8,321.0	15,601.9	7,790.0	193.2	192.8	31.82	-1,364.7	-7,665.0	626.1	400.6	225.47	2.777		
16,300.0	8,321.0	15,701.9	7,790.0	195.6	195.2	31.82	-1,368.8	-7,764.9	626.1	397.7	228.36	2.742		
16,400.0	8,321.0	15,801.9	7,790.0	198.0	197.7	31.82	-1,373.0	-7,864.8	626.1	394.9	231.26	2.707		
16,500.0	8,321.0	15,901.9	7,790.0	200.4	200.1	31.82	-1,377.1	-7,964.7	626.1	392.0	234.16	2.674		
16,600.0	8,321.0	16,001.9	7,790.0	202.8	202.5	31.83	-1,381.3	-8,064.6	626.1	389.1	237.06	2.641		
16,700.0	8,321.0	16,101.9	7,790.0	205.2	204.9	31.83	-1,385.5	-8,164.5	626.2	386.2	239.96	2.609		
16,800.0	8,321.0	16,201.9	7,790.0	207.7	207.3	31.83	-1,389.6	-8,264.4	626.2	383.3	242.86	2.578		
16,900.0	8,321.0	16,298.1	7,790.0	210.1	209.6	31.83	-1,393.8	-8,364.3	626.2	380.5	245.70	2.549		
17,000.0	8,321.0	16,398.1	7,790.0	212.5	212.1	31.83	-1,397.9	-8,464.3	626.2	377.6	248.60	2.519		
17,100.0	8,321.0	16,501.9	7,790.0	214.9	214.6	31.83	-1,402.1	-8,564.2	626.2	374.6	251.56	2.489		
17,200.0	8,321.0	16,601.9	7,790.0	217.3	217.0	31.84	-1,406.3	-8,664.1	626.2	371.8	254.46	2.461		
17,300.0	8,321.0	16,701.9	7,790.0	219.8	219.4	31.84	-1,410.4	-8,764.0	626.2	368.9	257.37	2.433		
17,400.0	8,321.0	16,801.9	7,790.0	222.2	221.8	31.84	-1,414.6	-8,863.9	626.2	366.0	260.27	2.406		
17,500.0	8,321.0	16,901.9	7,790.0	224.6	224.3	31.84	-1,418.7	-8,963.8	626.3	363.1	263.17	2.380		
17,600.0	8,321.0	17,001.9	7,790.0	227.0	226.7	31.84	-1,422.9	-9,063.7	626.3	360.2	266.08	2.354		
17,700.0	8,321.0	17,098.1	7,790.0	229.4	229.0	31.85	-1,427.1	-9,163.7	626.3	357.3	268.93	2.329		
17,800.0	8,321.0	17,198.1	7,790.0	231.9	231.4	31.85	-1,431.2	-9,263.6	626.3	354.5	271.84	2.304		
17,900.0	8,321.0	17,301.9	7,790.0	234.3	233.9	31.85	-1,435.4	-9,363.5	626.3	351.5	274.80	2.279		
18,000.0	8,321.0	17,401.9	7,790.0	236.7	236.4	31.85	-1,439.5	-9,463.4	626.3	348.6	277.70	2.255		
18,100.0	8,321.0	17,501.9	7,790.0	239.1	238.8	31.85	-1,443.7	-9,563.3	626.3	345.7	280.61	2.232		
18,200.0	8,321.0	17,601.9	7,790.0	241.6	241.2	31.85	-1,447.8	-9,663.2	626.3	342.8	283.52	2.209		
18,300.0	8,321.0	17,701.9	7,790.0	244.0	243.6	31.86	-1,452.0	-9,763.1	626.3	339.9	286.43	2.187		
18,400.0	8,321.0	17,801.9	7,790.0	246.4	246.1	31.86	-1,456.2	-9,863.0	626.4	337.0	289.34	2.165		
18,500.0	8,321.0	17,901.9	7,790.0	248.8	248.5	31.86	-1,460.3	-9,963.0	626.4	334.1	292.25	2.143		
18,600.0	8,321.0	18,001.9	7,790.0	251.3	250.9	31.86	-1,464.5	-10,062.9	626.4	331.2	295.16	2.122		
18,700.0	8,321.0	18,101.9	7,790.0	253.7	253.3	31.86	-1,468.6	-10,162.8	626.4	328.3	298.07	2.102		
18,701.9	8,321.0	18,100.0	7,790.0	253.7	253.3	31.86	-1,468.7	-10,164.6	626.4	328.3	298.07	2.102		
18,769.8	8,321.0	18,154.3	7,790.0	255.4	254.6	31.87	-1,471.0	-10,218.9	626.6	327.1	299.44	2.092 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 #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3116.5usft

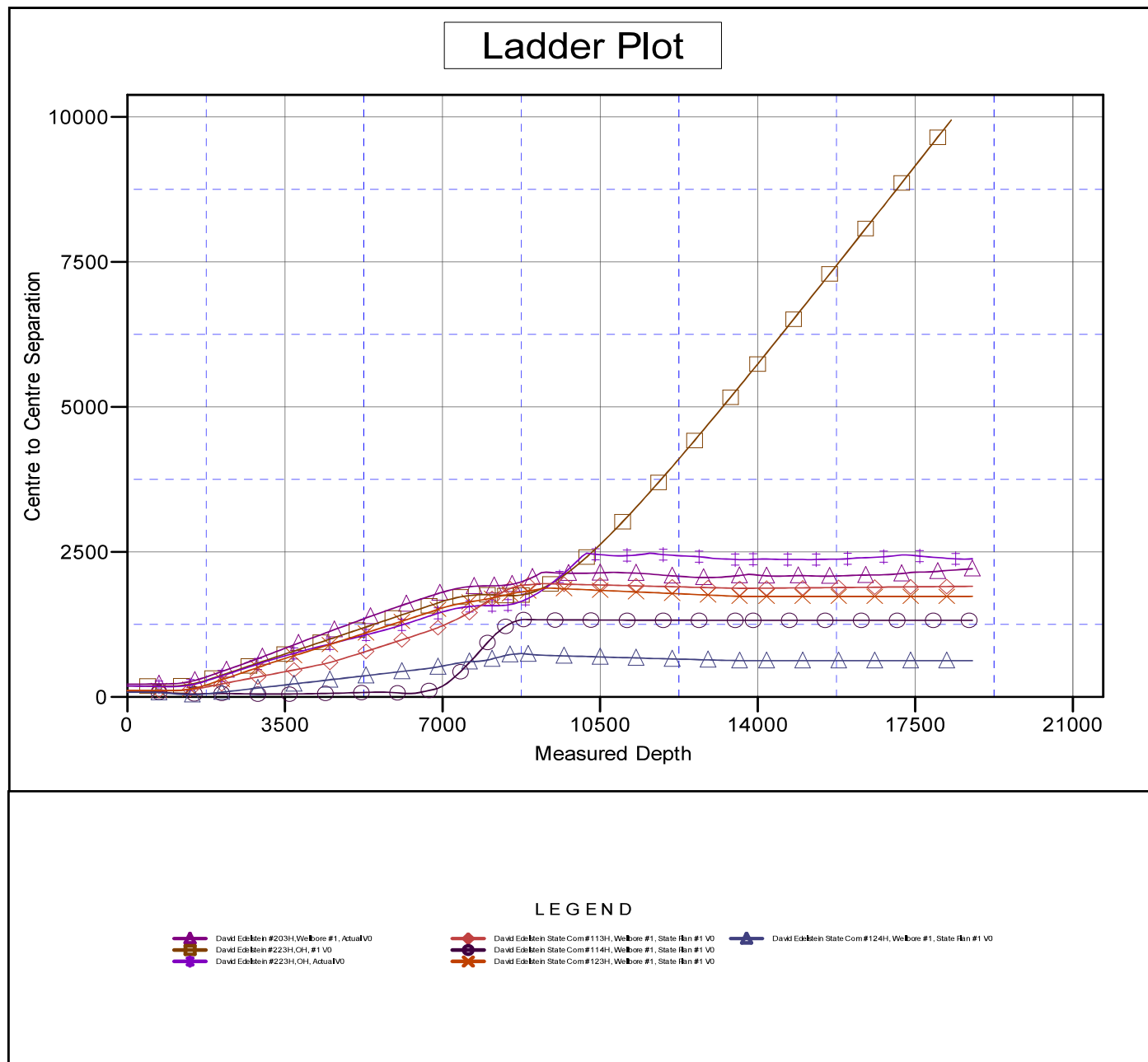
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #134H

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

Grid Convergence at Surface is: 0.11°



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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3116.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3116.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3116.5usft

Offset Depths are relative to Offset Datum

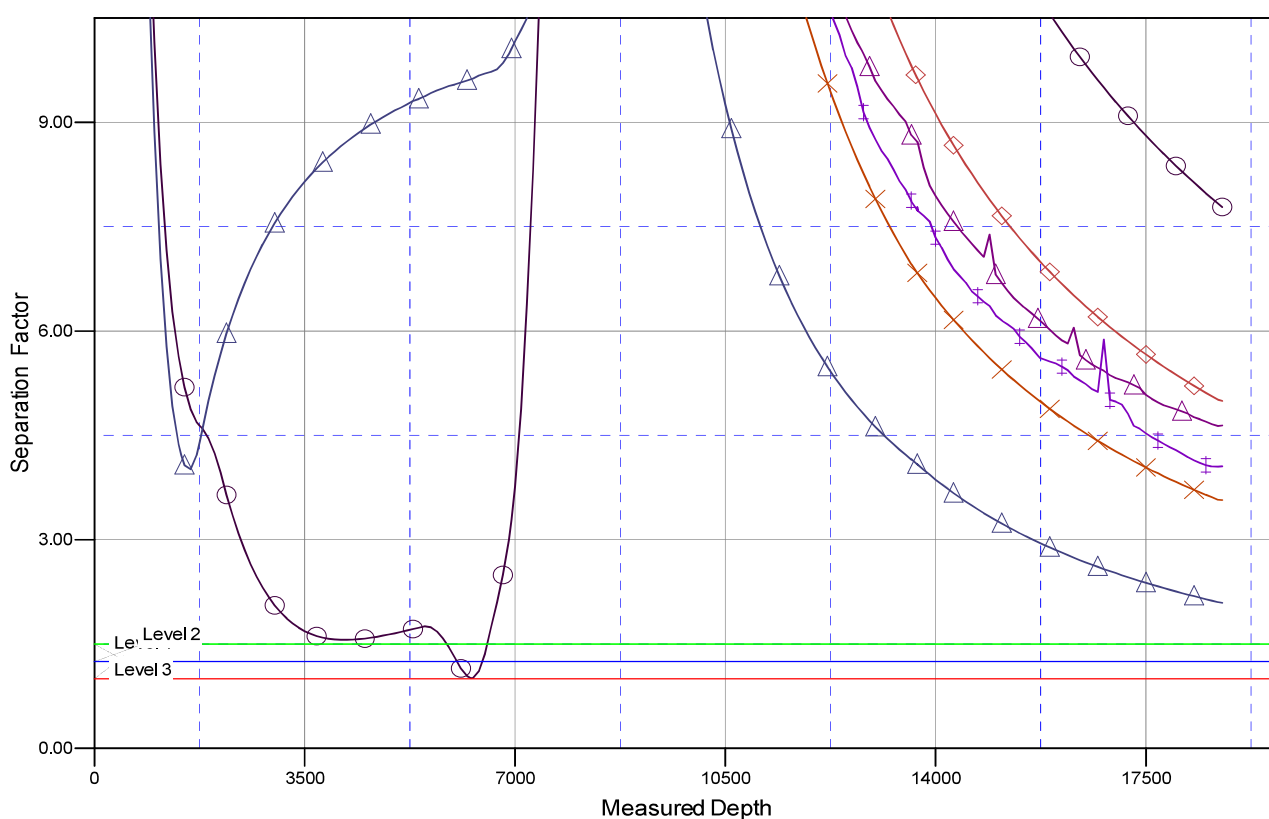
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #134H

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

David Edelstein State Com #113H, Wellbore #1, State Plan #1 VO
 David Edelstein State Com #114H, 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 #134H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

18 July, 2023

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	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 #134H					
Well Position	+N/-S	-190.0 usft	Northing:	447,470.00 usft	Latitude:	32° 13' 48.209 N
	+E/-W	0.0 usft	Easting:	560,995.00 usft	Longitude:	104° 8' 9.881 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,088.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/18/2023	6.56	59.90	47,261.29705963

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	260.00

Plan Survey Tool Program		Date 7/18/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	18,769.8	State Plan #1 (Wellbore #1)	MWD	
			OWSG MWD - Standard		

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,753.0	15.06	170.04	1,744.3	-96.9	17.0	2.00	2.00	0.00	170.04	
6,942.4	15.06	170.04	6,755.5	-1,424.9	250.3	0.00	0.00	0.00	0.00	
7,946.4	0.00	0.00	7,748.0	-1,554.1	273.0	1.50	-1.50	0.00	180.00	VP - David Edelstein #
8,846.4	90.00	269.64	8,321.0	-1,557.7	-299.9	10.00	10.00	0.00	269.64	
8,904.4	90.00	269.64	8,321.0	-1,558.1	-358.0	0.00	0.00	0.00	0.00	
13,594.1	90.00	269.64	8,321.0	-1,587.3	-5,047.6	0.00	0.00	0.00	0.00	T1 - David Edelstein #
13,696.0	90.00	267.60	8,321.0	-1,589.7	-5,149.4	2.00	0.00	-2.00	-90.00	
18,769.8	90.00	267.60	8,321.0	-1,802.0	-10,218.8	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 #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
759.7	0.00	0.00	759.7	0.0	0.0	0.0	0.00	0.00	0.00
Z (Castile)									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,100.0	2.00	170.04	1,100.0	-1.7	0.3	0.0	2.00	2.00	0.00
1,200.0	4.00	170.04	1,199.8	-6.9	1.2	0.0	2.00	2.00	0.00
1,300.0	6.00	170.04	1,299.5	-15.5	2.7	0.0	2.00	2.00	0.00
1,400.0	8.00	170.04	1,398.7	-27.5	4.8	0.0	2.00	2.00	0.00
1,500.0	10.00	170.04	1,497.5	-42.9	7.5	0.0	2.00	2.00	0.00
1,600.0	12.00	170.04	1,595.6	-61.7	10.8	0.0	2.00	2.00	0.00
1,700.0	14.00	170.04	1,693.1	-83.8	14.7	0.1	2.00	2.00	0.00
1,753.0	15.06	170.04	1,744.3	-96.9	17.0	0.1	2.00	2.00	0.00
Start 5189.4 hold at 1753.0 MD									
1,800.0	15.06	170.04	1,789.7	-108.9	19.1	0.1	0.00	0.00	0.00
1,900.0	15.06	170.04	1,886.3	-134.5	23.6	0.1	0.00	0.00	0.00
2,000.0	15.06	170.04	1,982.9	-160.1	28.1	0.1	0.00	0.00	0.00
2,100.0	15.06	170.04	2,079.4	-185.7	32.6	0.1	0.00	0.00	0.00
2,200.0	15.06	170.04	2,176.0	-211.3	37.1	0.1	0.00	0.00	0.00
2,300.0	15.06	170.04	2,272.6	-236.9	41.6	0.2	0.00	0.00	0.00
2,400.0	15.06	170.04	2,369.1	-262.5	46.1	0.2	0.00	0.00	0.00
2,469.8	15.06	170.04	2,436.6	-280.4	49.3	0.2	0.00	0.00	0.00
Z (G30:CS14-CSB)									
2,478.5	15.06	170.04	2,444.9	-282.6	49.6	0.2	0.00	0.00	0.00
Z (G26: Bell Cyn.)									
2,500.0	15.06	170.04	2,465.7	-288.1	50.6	0.2	0.00	0.00	0.00
2,600.0	15.06	170.04	2,562.3	-313.7	55.1	0.2	0.00	0.00	0.00
2,700.0	15.06	170.04	2,658.8	-339.3	59.6	0.2	0.00	0.00	0.00
2,800.0	15.06	170.04	2,755.4	-364.8	64.1	0.2	0.00	0.00	0.00
2,900.0	15.06	170.04	2,852.0	-390.4	68.6	0.3	0.00	0.00	0.00
3,000.0	15.06	170.04	2,948.5	-416.0	73.1	0.3	0.00	0.00	0.00
3,100.0	15.06	170.04	3,045.1	-441.6	77.6	0.3	0.00	0.00	0.00
3,200.0	15.06	170.04	3,141.7	-467.2	82.1	0.3	0.00	0.00	0.00
3,300.0	15.06	170.04	3,238.2	-492.8	86.6	0.3	0.00	0.00	0.00
3,321.0	15.06	170.04	3,258.5	-498.2	87.5	0.3	0.00	0.00	0.00
Z (G13: Cherry Cyn.)									
3,400.0	15.06	170.04	3,334.8	-518.4	91.1	0.3	0.00	0.00	0.00
3,500.0	15.06	170.04	3,431.4	-544.0	95.6	0.4	0.00	0.00	0.00
3,600.0	15.06	170.04	3,527.9	-569.6	100.1	0.4	0.00	0.00	0.00
3,700.0	15.06	170.04	3,624.5	-595.2	104.6	0.4	0.00	0.00	0.00
3,800.0	15.06	170.04	3,721.1	-620.7	109.1	0.4	0.00	0.00	0.00
3,900.0	15.06	170.04	3,817.6	-646.3	113.5	0.4	0.00	0.00	0.00
4,000.0	15.06	170.04	3,914.2	-671.9	118.0	0.4	0.00	0.00	0.00
4,100.0	15.06	170.04	4,010.8	-697.5	122.5	0.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	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	15.06	170.04	4,107.3	-723.1	127.0	0.5	0.00	0.00	0.00
4,300.0	15.06	170.04	4,203.9	-748.7	131.5	0.5	0.00	0.00	0.00
4,400.0	15.06	170.04	4,300.4	-774.3	136.0	0.5	0.00	0.00	0.00
4,422.6	15.06	170.04	4,322.3	-780.1	137.0	0.5	0.00	0.00	0.00
Z (G7: Brushy Cyn.)									
4,500.0	15.06	170.04	4,397.0	-799.9	140.5	0.5	0.00	0.00	0.00
4,600.0	15.06	170.04	4,493.6	-825.5	145.0	0.5	0.00	0.00	0.00
4,700.0	15.06	170.04	4,590.1	-851.1	149.5	0.6	0.00	0.00	0.00
4,800.0	15.06	170.04	4,686.7	-876.7	154.0	0.6	0.00	0.00	0.00
4,900.0	15.06	170.04	4,783.3	-902.2	158.5	0.6	0.00	0.00	0.00
5,000.0	15.06	170.04	4,879.8	-927.8	163.0	0.6	0.00	0.00	0.00
5,100.0	15.06	170.04	4,976.4	-953.4	167.5	0.6	0.00	0.00	0.00
5,200.0	15.06	170.04	5,073.0	-979.0	172.0	0.6	0.00	0.00	0.00
5,300.0	15.06	170.04	5,169.5	-1,004.6	176.5	0.7	0.00	0.00	0.00
5,400.0	15.06	170.04	5,266.1	-1,030.2	181.0	0.7	0.00	0.00	0.00
5,500.0	15.06	170.04	5,362.7	-1,055.8	185.5	0.7	0.00	0.00	0.00
5,600.0	15.06	170.04	5,459.2	-1,081.4	190.0	0.7	0.00	0.00	0.00
5,700.0	15.06	170.04	5,555.8	-1,107.0	194.5	0.7	0.00	0.00	0.00
5,800.0	15.06	170.04	5,652.4	-1,132.6	199.0	0.7	0.00	0.00	0.00
5,900.0	15.06	170.04	5,748.9	-1,158.2	203.5	0.8	0.00	0.00	0.00
6,000.0	15.06	170.04	5,845.5	-1,183.7	208.0	0.8	0.00	0.00	0.00
6,077.7	15.06	170.04	5,920.5	-1,203.6	211.4	0.8	0.00	0.00	0.00
Z (G4: BSGL (CS9))									
6,100.0	15.06	170.04	5,942.1	-1,209.3	212.5	0.8	0.00	0.00	0.00
6,200.0	15.06	170.04	6,038.6	-1,234.9	216.9	0.8	0.00	0.00	0.00
6,300.0	15.06	170.04	6,135.2	-1,260.5	221.4	0.8	0.00	0.00	0.00
6,400.0	15.06	170.04	6,231.8	-1,286.1	225.9	0.8	0.00	0.00	0.00
6,500.0	15.06	170.04	6,328.3	-1,311.7	230.4	0.9	0.00	0.00	0.00
6,600.0	15.06	170.04	6,424.9	-1,337.3	234.9	0.9	0.00	0.00	0.00
6,694.9	15.06	170.04	6,516.5	-1,361.6	239.2	0.9	0.00	0.00	0.00
Z (L5.3: FBSC)									
6,700.0	15.06	170.04	6,521.5	-1,362.9	239.4	0.9	0.00	0.00	0.00
6,800.0	15.06	170.04	6,618.0	-1,388.5	243.9	0.9	0.00	0.00	0.00
6,900.0	15.06	170.04	6,714.6	-1,414.1	248.4	0.9	0.00	0.00	0.00
6,942.4	15.06	170.04	6,755.5	-1,424.9	250.3	0.9	0.00	0.00	0.00
Start Drop -1.50									
7,000.0	14.20	170.04	6,811.3	-1,439.2	252.8	0.9	1.50	-1.50	0.00
7,100.0	12.70	170.04	6,908.5	-1,462.1	256.9	1.0	1.50	-1.50	0.00
7,101.0	12.68	170.04	6,909.5	-1,462.4	256.9	1.0	1.50	-1.50	0.00
Z (L5.1: FBSC)									
7,200.0	11.20	170.04	7,006.4	-1,482.5	260.4	1.0	1.50	-1.50	0.00
7,300.0	9.70	170.04	7,104.7	-1,500.4	263.6	1.0	1.50	-1.50	0.00
7,366.7	8.70	170.04	7,170.5	-1,510.9	265.4	1.0	1.50	-1.50	0.00
Z (L4.3: SBSC)									
7,400.0	8.20	170.04	7,203.5	-1,515.7	266.3	1.0	1.50	-1.50	0.00
7,500.0	6.70	170.04	7,302.6	-1,528.5	268.5	1.0	1.50	-1.50	0.00
7,600.0	5.20	170.04	7,402.1	-1,538.7	270.3	1.0	1.50	-1.50	0.00
7,700.0	3.70	170.04	7,501.8	-1,546.3	271.6	1.0	1.50	-1.50	0.00
7,790.8	2.33	170.04	7,592.5	-1,551.0	272.5	1.0	1.50	-1.50	0.00
Z (L4.1: SBSG)									
7,800.0	2.20	170.04	7,601.6	-1,551.4	272.5	1.0	1.50	-1.50	0.00
7,900.0	0.70	170.04	7,701.6	-1,553.8	273.0	1.0	1.50	-1.50	0.00
7,946.4	0.00	0.00	7,748.0	-1,554.1	273.0	1.0	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	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)
Start Build 10.00 - VP - David Edelstein #134H									
7,950.0	0.36	269.64	7,751.6	-1,554.1	273.0	1.0	10.00	10.00	0.00
8,000.0	5.36	269.64	7,801.5	-1,554.1	270.5	3.5	10.00	10.00	0.00
8,040.3	9.39	269.64	7,841.5	-1,554.2	265.3	8.6	10.00	10.00	0.00
Z (L3.3: TBSC)									
8,050.0	10.36	269.64	7,851.0	-1,554.2	263.7	10.2	10.00	10.00	0.00
8,100.0	15.36	269.64	7,899.8	-1,554.2	252.6	21.2	10.00	10.00	0.00
8,150.0	20.36	269.64	7,947.4	-1,554.3	237.2	36.3	10.00	10.00	0.00
8,200.0	25.36	269.64	7,993.4	-1,554.5	217.8	55.5	10.00	10.00	0.00
8,250.0	30.36	269.64	8,037.6	-1,554.6	194.4	78.5	10.00	10.00	0.00
8,300.0	35.36	269.64	8,079.6	-1,554.8	167.3	105.2	10.00	10.00	0.00
8,350.0	40.36	269.64	8,119.0	-1,555.0	136.6	135.5	10.00	10.00	0.00
8,400.0	45.36	269.64	8,155.7	-1,555.2	102.6	169.0	10.00	10.00	0.00
8,414.2	46.79	269.64	8,165.6	-1,555.3	92.4	179.1	10.00	10.00	0.00
FTP - David Edelstein #134H									
8,450.0	50.36	269.64	8,189.2	-1,555.4	65.6	205.5	10.00	10.00	0.00
8,500.0	55.36	269.64	8,219.4	-1,555.7	25.7	244.8	10.00	10.00	0.00
8,550.0	60.36	269.64	8,246.0	-1,555.9	-16.6	286.5	10.00	10.00	0.00
8,600.0	65.36	269.64	8,268.8	-1,556.2	-61.1	330.4	10.00	10.00	0.00
8,650.0	70.36	269.64	8,287.6	-1,556.5	-107.4	376.0	10.00	10.00	0.00
8,653.4	70.70	269.64	8,288.7	-1,556.5	-110.5	379.2	10.00	10.00	0.00
Z (L3.3.2: Break Sand (T))									
8,700.0	75.36	269.64	8,302.4	-1,556.8	-155.1	423.1	10.00	10.00	0.00
8,750.0	80.36	269.64	8,312.9	-1,557.1	-204.0	471.3	10.00	10.00	0.00
8,800.0	85.36	269.64	8,319.1	-1,557.4	-253.6	520.2	10.00	10.00	0.00
8,846.4	90.00	269.64	8,321.0	-1,557.7	-299.9	565.9	10.00	10.00	0.00
Start 58.0 hold at 8846.4 MD									
8,904.4	90.00	269.64	8,321.0	-1,558.1	-358.0	623.1	0.00	0.00	0.00
Start 4689.7 hold at 8904.4 MD									
9,000.0	90.00	269.64	8,321.0	-1,558.7	-453.5	717.3	0.00	0.00	0.00
9,100.0	90.00	269.64	8,321.0	-1,559.3	-553.5	815.9	0.00	0.00	0.00
9,200.0	90.00	269.64	8,321.0	-1,559.9	-653.5	914.5	0.00	0.00	0.00
9,300.0	90.00	269.64	8,321.0	-1,560.6	-753.5	1,013.1	0.00	0.00	0.00
9,400.0	90.00	269.64	8,321.0	-1,561.2	-853.5	1,111.7	0.00	0.00	0.00
9,500.0	90.00	269.64	8,321.0	-1,561.8	-953.5	1,210.3	0.00	0.00	0.00
9,600.0	90.00	269.64	8,321.0	-1,562.5	-1,053.5	1,308.8	0.00	0.00	0.00
9,700.0	90.00	269.64	8,321.0	-1,563.1	-1,153.5	1,407.4	0.00	0.00	0.00
9,800.0	90.00	269.64	8,321.0	-1,563.7	-1,253.5	1,506.0	0.00	0.00	0.00
9,900.0	90.00	269.64	8,321.0	-1,564.3	-1,353.5	1,604.6	0.00	0.00	0.00
10,000.0	90.00	269.64	8,321.0	-1,565.0	-1,453.5	1,703.2	0.00	0.00	0.00
10,100.0	90.00	269.64	8,321.0	-1,565.6	-1,553.5	1,801.8	0.00	0.00	0.00
10,200.0	90.00	269.64	8,321.0	-1,566.2	-1,653.5	1,900.4	0.00	0.00	0.00
10,300.0	90.00	269.64	8,321.0	-1,566.9	-1,753.5	1,999.0	0.00	0.00	0.00
10,400.0	90.00	269.64	8,321.0	-1,567.5	-1,853.5	2,097.6	0.00	0.00	0.00
10,500.0	90.00	269.64	8,321.0	-1,568.1	-1,953.5	2,196.1	0.00	0.00	0.00
10,600.0	90.00	269.64	8,321.0	-1,568.7	-2,053.5	2,294.7	0.00	0.00	0.00
10,700.0	90.00	269.64	8,321.0	-1,569.4	-2,153.5	2,393.3	0.00	0.00	0.00
10,800.0	90.00	269.64	8,321.0	-1,570.0	-2,253.5	2,491.9	0.00	0.00	0.00
10,900.0	90.00	269.64	8,321.0	-1,570.6	-2,353.5	2,590.5	0.00	0.00	0.00
11,000.0	90.00	269.64	8,321.0	-1,571.2	-2,453.5	2,689.1	0.00	0.00	0.00
11,100.0	90.00	269.64	8,321.0	-1,571.9	-2,553.5	2,787.7	0.00	0.00	0.00
11,200.0	90.00	269.64	8,321.0	-1,572.5	-2,653.5	2,886.3	0.00	0.00	0.00
11,300.0	90.00	269.64	8,321.0	-1,573.1	-2,753.5	2,984.8	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,400.0	90.00	269.64	8,321.0	-1,573.8	-2,853.5	3,083.4	0.00	0.00	0.00
11,500.0	90.00	269.64	8,321.0	-1,574.4	-2,953.5	3,182.0	0.00	0.00	0.00
11,600.0	90.00	269.64	8,321.0	-1,575.0	-3,053.5	3,280.6	0.00	0.00	0.00
11,700.0	90.00	269.64	8,321.0	-1,575.6	-3,153.5	3,379.2	0.00	0.00	0.00
11,800.0	90.00	269.64	8,321.0	-1,576.3	-3,253.5	3,477.8	0.00	0.00	0.00
11,900.0	90.00	269.64	8,321.0	-1,576.9	-3,353.5	3,576.4	0.00	0.00	0.00
12,000.0	90.00	269.64	8,321.0	-1,577.5	-3,453.5	3,675.0	0.00	0.00	0.00
12,100.0	90.00	269.64	8,321.0	-1,578.2	-3,553.5	3,773.5	0.00	0.00	0.00
12,200.0	90.00	269.64	8,321.0	-1,578.8	-3,653.5	3,872.1	0.00	0.00	0.00
12,300.0	90.00	269.64	8,321.0	-1,579.4	-3,753.5	3,970.7	0.00	0.00	0.00
12,400.0	90.00	269.64	8,321.0	-1,580.0	-3,853.5	4,069.3	0.00	0.00	0.00
12,500.0	90.00	269.64	8,321.0	-1,580.7	-3,953.5	4,167.9	0.00	0.00	0.00
12,600.0	90.00	269.64	8,321.0	-1,581.3	-4,053.5	4,266.5	0.00	0.00	0.00
12,700.0	90.00	269.64	8,321.0	-1,581.9	-4,153.5	4,365.1	0.00	0.00	0.00
12,800.0	90.00	269.64	8,321.0	-1,582.6	-4,253.5	4,463.7	0.00	0.00	0.00
12,900.0	90.00	269.64	8,321.0	-1,583.2	-4,353.5	4,562.2	0.00	0.00	0.00
13,000.0	90.00	269.64	8,321.0	-1,583.8	-4,453.5	4,660.8	0.00	0.00	0.00
13,100.0	90.00	269.64	8,321.0	-1,584.4	-4,553.5	4,759.4	0.00	0.00	0.00
13,200.0	90.00	269.64	8,321.0	-1,585.1	-4,653.5	4,858.0	0.00	0.00	0.00
13,300.0	90.00	269.64	8,321.0	-1,585.7	-4,753.4	4,956.6	0.00	0.00	0.00
13,400.0	90.00	269.64	8,321.0	-1,586.3	-4,853.4	5,055.2	0.00	0.00	0.00
13,500.0	90.00	269.64	8,321.0	-1,587.0	-4,953.4	5,153.8	0.00	0.00	0.00
13,594.1	90.00	269.64	8,321.0	-1,587.3	-5,047.6	5,246.5	0.00	0.00	0.00
Start DLS 2.00 TFO -90.00 - T1 - David Edelstein #134H									
13,600.0	90.00	269.52	8,321.0	-1,587.3	-5,053.4	5,252.3	2.00	0.00	-2.00
13,696.0	90.00	267.60	8,321.0	-1,589.7	-5,149.4	5,347.2	2.00	0.00	-2.00
Start 5073.8 hold at 13696.0 MD									
13,700.0	90.00	267.60	8,321.0	-1,589.9	-5,153.4	5,351.2	0.00	0.00	0.00
13,800.0	90.00	267.60	8,321.0	-1,594.1	-5,253.3	5,450.3	0.00	0.00	0.00
13,900.0	90.00	267.60	8,321.0	-1,598.3	-5,353.2	5,549.4	0.00	0.00	0.00
14,000.0	90.00	267.60	8,321.0	-1,602.4	-5,453.1	5,648.6	0.00	0.00	0.00
14,100.0	90.00	267.60	8,321.0	-1,606.6	-5,553.1	5,747.7	0.00	0.00	0.00
14,200.0	90.00	267.60	8,321.0	-1,610.8	-5,653.0	5,846.8	0.00	0.00	0.00
14,300.0	90.00	267.60	8,321.0	-1,615.0	-5,752.9	5,945.9	0.00	0.00	0.00
14,400.0	90.00	267.60	8,321.0	-1,619.2	-5,852.8	6,045.1	0.00	0.00	0.00
14,500.0	90.00	267.60	8,321.0	-1,623.4	-5,952.7	6,144.2	0.00	0.00	0.00
14,600.0	90.00	267.60	8,321.0	-1,627.5	-6,052.6	6,243.3	0.00	0.00	0.00
14,700.0	90.00	267.60	8,321.0	-1,631.7	-6,152.5	6,342.4	0.00	0.00	0.00
14,800.0	90.00	267.60	8,321.0	-1,635.9	-6,252.4	6,441.5	0.00	0.00	0.00
14,900.0	90.00	267.60	8,321.0	-1,640.1	-6,352.4	6,540.7	0.00	0.00	0.00
15,000.0	90.00	267.60	8,321.0	-1,644.3	-6,452.3	6,639.8	0.00	0.00	0.00
15,100.0	90.00	267.60	8,321.0	-1,648.5	-6,552.2	6,738.9	0.00	0.00	0.00
15,200.0	90.00	267.60	8,321.0	-1,652.6	-6,652.1	6,838.0	0.00	0.00	0.00
15,300.0	90.00	267.60	8,321.0	-1,656.8	-6,752.0	6,937.1	0.00	0.00	0.00
15,400.0	90.00	267.60	8,321.0	-1,661.0	-6,851.9	7,036.3	0.00	0.00	0.00
15,500.0	90.00	267.60	8,321.0	-1,665.2	-6,951.8	7,135.4	0.00	0.00	0.00
15,600.0	90.00	267.60	8,321.0	-1,669.4	-7,051.7	7,234.5	0.00	0.00	0.00
15,700.0	90.00	267.60	8,321.0	-1,673.6	-7,151.7	7,333.6	0.00	0.00	0.00
15,800.0	90.00	267.60	8,321.0	-1,677.7	-7,251.6	7,432.7	0.00	0.00	0.00
15,900.0	90.00	267.60	8,321.0	-1,681.9	-7,351.5	7,531.9	0.00	0.00	0.00
16,000.0	90.00	267.60	8,321.0	-1,686.1	-7,451.4	7,631.0	0.00	0.00	0.00
16,100.0	90.00	267.60	8,321.0	-1,690.3	-7,551.3	7,730.1	0.00	0.00	0.00
16,200.0	90.00	267.60	8,321.0	-1,694.5	-7,651.2	7,829.2	0.00	0.00	0.00
16,300.0	90.00	267.60	8,321.0	-1,698.6	-7,751.1	7,928.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,400.0	90.00	267.60	8,321.0	-1,702.8	-7,851.0	8,027.5	0.00	0.00	0.00	
16,500.0	90.00	267.60	8,321.0	-1,707.0	-7,951.0	8,126.6	0.00	0.00	0.00	
16,600.0	90.00	267.60	8,321.0	-1,711.2	-8,050.9	8,225.7	0.00	0.00	0.00	
16,700.0	90.00	267.60	8,321.0	-1,715.4	-8,150.8	8,324.8	0.00	0.00	0.00	
16,800.0	90.00	267.60	8,321.0	-1,719.6	-8,250.7	8,423.9	0.00	0.00	0.00	
16,900.0	90.00	267.60	8,321.0	-1,723.7	-8,350.6	8,523.1	0.00	0.00	0.00	
17,000.0	90.00	267.60	8,321.0	-1,727.9	-8,450.5	8,622.2	0.00	0.00	0.00	
17,100.0	90.00	267.60	8,321.0	-1,732.1	-8,550.4	8,721.3	0.00	0.00	0.00	
17,200.0	90.00	267.60	8,321.0	-1,736.3	-8,650.3	8,820.4	0.00	0.00	0.00	
17,300.0	90.00	267.60	8,321.0	-1,740.5	-8,750.3	8,919.6	0.00	0.00	0.00	
17,400.0	90.00	267.60	8,321.0	-1,744.7	-8,850.2	9,018.7	0.00	0.00	0.00	
17,500.0	90.00	267.60	8,321.0	-1,748.8	-8,950.1	9,117.8	0.00	0.00	0.00	
17,600.0	90.00	267.60	8,321.0	-1,753.0	-9,050.0	9,216.9	0.00	0.00	0.00	
17,700.0	90.00	267.60	8,321.0	-1,757.2	-9,149.9	9,316.0	0.00	0.00	0.00	
17,800.0	90.00	267.60	8,321.0	-1,761.4	-9,249.8	9,415.2	0.00	0.00	0.00	
17,900.0	90.00	267.60	8,321.0	-1,765.6	-9,349.7	9,514.3	0.00	0.00	0.00	
18,000.0	90.00	267.60	8,321.0	-1,769.8	-9,449.6	9,613.4	0.00	0.00	0.00	
18,100.0	90.00	267.60	8,321.0	-1,773.9	-9,549.6	9,712.5	0.00	0.00	0.00	
18,200.0	90.00	267.60	8,321.0	-1,778.1	-9,649.5	9,811.6	0.00	0.00	0.00	
18,300.0	90.00	267.60	8,321.0	-1,782.3	-9,749.4	9,910.8	0.00	0.00	0.00	
18,400.0	90.00	267.60	8,321.0	-1,786.5	-9,849.3	10,009.9	0.00	0.00	0.00	
18,500.0	90.00	267.60	8,321.0	-1,790.7	-9,949.2	10,109.0	0.00	0.00	0.00	
18,600.0	90.00	267.60	8,321.0	-1,794.9	-10,049.1	10,208.1	0.00	0.00	0.00	
18,700.0	90.00	267.60	8,321.0	-1,799.0	-10,149.0	10,307.2	0.00	0.00	0.00	
18,769.8	90.00	267.60	8,321.0	-1,802.0	-10,218.8	10,376.4	0.00	0.00	0.00	
TD at 18769.8 - BHL - David Edelstein #134H										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - David Edelstein #13 - plan hits target center - Point	0.00	0.00	7,748.0	-1,554.1	273.0	445,916.00	561,268.00	32° 13' 32.826 N	104° 8' 6.736 W
FTP - David Edelstein #13 - plan misses target center by 209.6usft at 8414.2usft MD (8165.6 TVD, -1555.3 N, 92.4 E) - Point	0.00	0.00	8,321.0	-1,554.1	233.0	445,916.00	561,228.00	32° 13' 32.826 N	104° 8' 7.201 W
T1 - David Edelstein #13 - plan hits target center - Point	0.00	0.00	8,321.0	-1,587.3	-5,047.6	445,882.75	555,947.52	32° 13' 32.589 N	104° 9' 8.676 W
BHL - David Edelstein #13 - plan hits target center - Point	0.00	0.00	8,321.0	-1,802.0	-10,218.8	445,668.00	550,776.00	32° 13' 30.546 N	104° 10' 8.884 W

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3116.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3116.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
759.7	759.7	Z (Castile)		0.00	267.62	
2,469.8	2,436.6	Z (G30:CS14-CSB)		0.00	267.62	
2,478.5	2,444.9	Z (G26: Bell Cyn.)		0.00	267.62	
3,321.0	3,258.5	Z (G13: Cherry Cyn.)		0.00	267.62	
4,422.6	4,322.3	Z (G7: Brushy Cyn.)		0.00	267.62	
6,077.7	5,920.5	Z (G4: BSG (CS9))		0.00	267.62	
6,694.9	6,516.5	Z (L5.3: FBSC)		0.00	267.62	
7,101.0	6,909.5	Z (L5.1: FBSC)		0.00	267.62	
7,366.7	7,170.5	Z (L4.3: SBSC)		0.00	267.62	
7,790.8	7,592.5	Z (L4.1: SBSC)		0.00	267.62	
8,040.3	7,841.5	Z (L3.3: TBSC)		0.00	267.62	
8,653.4	8,288.7	Z (L3.3.2: Break Sand (T))		0.00	267.62	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,000.0	1,000.0	0.0	0.0	Start Build 2.00	
1,753.0	1,744.3	-96.9	17.0	Start 5189.4 hold at 1753.0 MD	
6,942.4	6,755.5	-1,424.9	250.3	Start Drop -1.50	
7,946.4	7,748.0	-1,554.1	273.0	Start Build 10.00	
8,846.4	8,321.0	-1,557.7	-299.9	Start 58.0 hold at 8846.4 MD	
8,904.4	8,321.0	-1,558.1	-358.0	Start 4689.7 hold at 8904.4 MD	
13,594.1	8,321.0	-1,587.3	-5,047.6	Start DLS 2.00 TFO -90.00	
13,696.0	8,321.0	-1,589.7	-5,149.4	Start 5073.8 hold at 13696.0 MD	
18,769.8	8,321.0	-1,802.0	-10,218.8	TD at 18769.8	