

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 339475

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 30-015-53829
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 113H

7. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn I	Feet From 1996	N/S Line S	Feet From 300	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot L	Section 11	Township 24S	Range 27E	Lot Idn L	Feet From 1706	N/S Line S	Feet From 110	E/W Line W	County Eddy
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9. Pool Information

WILLOW LAKE;BONE SPRING,WEST	96415
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3089
16. Multiple N	17. Proposed Depth 17292	18. Formation Bone Spring	19. Contractor	20. Spud Date 11/6/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	450	400	0
Int1	12.25	9.625	40	2503	730	0
Prod	8.75	5.5	20	17292	2800	2303

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Brett A Jennings	Approved By: Ward Rikala
Title: Regulatory Analyst	Title:
Email Address: brett.jennings@matadorresources.com	Approved Date: 6/2/2023 Expiration Date: 6/2/2025
Date: 5/15/2023 Phone: 972-629-2160	Conditions of Approval Attached

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

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 96415	³ Pool Name Willow Lake; Bone Springs, West
⁴ Property Code 320766	⁵ Property Name DAVID EDELSTEIN STATE COM		⁶ Well Number 113H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY		⁹ Elevation 3089'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	24-S	27-E	-	1996'	SOUTH	300'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	11	24-S	27-E	-	1706'	SOUTH	110'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or 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. Signature: <i>Hanna Ballenbach</i> Date: 1/10/2023 Printed Name: Hanna Ballenbach E-mail Address: hanna.ballenbach@matadorresources.com
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 09/23/2022 Date of Survey Signature and Seal of Professional Surveyor <i>Michael B. Brown</i> MICHAEL B. BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR Certificate Number				

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

Form APD Conditions
Permit 339475

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-53829
	Well: DAVID EDELSTEIN STATE COM #113H

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

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #113H

Wellbore #1

State Plan #1

Anticollision Report

04 November, 2022

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference	State Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	11/4/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,292.9	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
David Edelstein						
David Edelstein #203H - Wellbore #1 - Actual	222.1	222.2	114.0	113.1	125.533	CC
David Edelstein #203H - Wellbore #1 - Actual	300.0	299.4	114.2	112.7	76.132	ES
David Edelstein #203H - Wellbore #1 - Actual	17,292.9	19,425.0	2,220.7	2,000.9	10.106	SF
David Edelstein #223 - OH - Actual	960.9	961.1	70.3	64.0	11.036	CC
David Edelstein #223 - OH - Actual	1,000.0	1,000.1	70.4	63.7	10.592	ES
David Edelstein #223 - OH - Actual	6,700.0	6,684.2	253.3	204.4	5.182	SF
David Edelstein State Com #114H - Wellbore #1 - State P	500.0	500.0	30.0	26.9	9.604	CC, ES
David Edelstein State Com #114H - Wellbore #1 - State P	17,292.9	17,400.7	1,375.8	868.3	2.711	SF
David Edelstein State Com #123H - Wellbore #1 - State	1,436.9	1,438.7	26.4	16.7	2.727	CC
David Edelstein State Com #123H - Wellbore #1 - State	1,500.0	1,501.9	26.8	16.7	2.645	ES, SF
David Edelstein State Com #124H - Wellbore #1 - State	500.0	500.0	42.4	39.3	13.582	CC
David Edelstein State Com #124H - Wellbore #1 - State	600.0	599.6	42.9	39.0	11.210	ES
David Edelstein State Com #124H - Wellbore #1 - State	17,292.9	18,111.1	1,310.1	894.7	3.154	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	0.0	0.0	0.0	0.0	-14.93	110.2	-29.4	114.0				
100.0	100.0	100.0	100.0	0.1	0.2	-14.88	110.2	-29.3	114.0	113.8	0.28	404.142	
200.0	200.0	200.1	200.1	0.5	0.3	-14.75	110.2	-29.0	114.0	113.2	0.79	143.450	
222.1	222.1	222.2	222.2	0.6	0.3	-14.71	110.2	-28.9	114.0	113.1	0.91	125.533	CC
300.0	300.0	299.4	299.4	0.8	0.7	-14.59	110.6	-28.8	114.2	112.7	1.50	76.132	ES
400.0	400.0	398.6	398.6	1.2	1.0	-14.43	111.5	-28.7	115.1	112.9	2.21	52.075	
500.0	500.0	498.8	498.8	1.6	1.4	-14.31	112.6	-28.7	116.2	113.3	2.92	39.784	
600.0	600.0	599.2	599.1	1.9	1.7	-14.23	113.5	-28.8	117.1	113.5	3.64	32.208	
700.0	700.0	699.6	699.5	2.3	2.1	-14.10	114.1	-28.7	117.7	113.3	4.35	27.039	
800.0	800.0	798.9	798.9	2.6	2.4	-13.53	115.1	-27.7	118.4	113.3	5.07	23.364	
900.0	900.0	898.5	898.4	3.0	2.8	-12.28	116.8	-25.4	119.6	113.8	5.78	20.681	
1,000.0	1,000.0	998.8	998.7	3.4	3.1	-10.67	118.7	-22.4	120.8	114.3	6.50	18.579	
1,100.0	1,100.0	1,098.7	1,098.5	3.7	3.5	-152.16	120.4	-18.7	122.6	115.4	7.20	17.020	
1,200.0	1,200.0	1,197.6	1,197.2	4.0	3.9	-150.25	122.7	-13.6	126.5	118.7	7.89	16.037	
1,300.0	1,299.9	1,297.0	1,296.3	4.4	4.2	-148.20	126.0	-7.1	132.8	124.2	8.59	15.468	

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

Anticollision Report

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Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,400.0	1,399.7	1,397.1	1,396.2	4.7	4.6	-147.02	129.0	-1.4	140.5	131.2	9.29	15.124		
1,500.0	1,499.4	1,497.2	1,496.2	5.1	5.0	-146.72	131.6	3.4	149.4	139.4	10.00	14.939		
1,600.0	1,598.9	1,597.2	1,596.0	5.4	5.3	-146.91	133.9	7.8	159.4	148.7	10.71	14.880		
1,700.0	1,698.3	1,696.8	1,695.5	5.8	5.7	-147.33	135.9	12.4	170.6	159.2	11.43	14.930		
1,800.0	1,797.4	1,796.1	1,794.7	6.1	6.0	-147.56	137.9	18.4	183.2	171.0	12.15	15.082		
1,900.0	1,896.4	1,896.8	1,895.1	6.5	6.4	-147.72	139.6	25.2	196.1	183.2	12.87	15.230		
2,000.0	1,995.5	1,998.0	1,996.0	6.9	6.8	-147.88	140.4	32.1	208.1	194.5	13.61	15.292		
2,100.0	2,094.5	2,095.5	2,093.3	7.3	7.2	-147.89	141.1	39.3	220.0	205.7	14.33	15.353		
2,200.0	2,193.5	2,192.8	2,190.3	7.7	7.5	-147.63	142.8	47.4	232.8	217.7	15.05	15.462		
2,300.0	2,292.5	2,290.1	2,287.2	8.1	7.9	-147.39	145.2	55.5	246.3	230.6	15.78	15.609		
2,400.0	2,391.6	2,387.7	2,384.5	8.5	8.2	-147.37	148.2	62.7	260.6	244.1	16.51	15.784		
2,500.0	2,490.6	2,488.2	2,484.6	8.9	8.6	-147.49	151.2	69.4	274.8	257.5	17.26	15.923		
2,600.0	2,589.6	2,587.8	2,584.1	9.3	9.0	-147.81	153.7	75.1	288.6	270.6	17.99	16.037		
2,700.0	2,688.6	2,687.3	2,683.4	9.7	9.4	-148.13	156.0	80.6	302.2	283.5	18.73	16.134		
2,800.0	2,787.7	2,785.4	2,781.4	10.1	9.7	-148.40	158.2	86.2	315.8	296.3	19.46	16.227		
2,900.0	2,886.7	2,880.9	2,876.6	10.5	10.1	-148.59	161.2	91.8	330.2	310.0	20.18	16.366		
3,000.0	2,985.7	2,977.8	2,973.2	10.9	10.4	-148.71	165.2	97.8	345.6	324.7	20.90	16.535		
3,100.0	3,084.8	3,077.0	3,072.2	11.3	10.8	-148.81	169.4	103.9	361.0	339.4	21.64	16.682		
3,200.0	3,183.8	3,176.0	3,170.9	11.7	11.2	-148.91	173.5	110.0	376.4	354.0	22.38	16.816		
3,300.0	3,282.8	3,274.7	3,269.4	12.1	11.5	-149.04	177.5	115.8	391.8	368.6	23.12	16.943		
3,400.0	3,381.8	3,373.1	3,367.5	12.6	11.9	-149.22	181.5	121.2	407.2	383.3	23.86	17.067		
3,500.0	3,480.9	3,471.2	3,465.3	13.0	12.3	-149.37	185.7	126.7	422.7	398.1	24.59	17.191		
3,600.0	3,579.9	3,569.3	3,563.2	13.4	12.6	-149.51	190.0	132.1	438.5	413.1	25.32	17.315		
3,700.0	3,678.9	3,667.3	3,661.0	13.8	13.0	-149.69	194.4	137.1	454.3	428.3	26.06	17.437		
3,800.0	3,777.9	3,768.5	3,762.0	14.2	13.4	-149.89	198.8	142.2	470.1	443.3	26.81	17.534		
3,900.0	3,877.0	3,870.6	3,863.9	14.6	13.8	-150.01	202.7	147.9	485.2	457.6	27.57	17.597		
4,000.0	3,976.0	3,970.2	3,963.2	15.1	14.1	-150.08	206.1	153.8	499.9	471.6	28.32	17.652		
4,100.0	4,075.0	4,069.7	4,062.4	15.5	14.5	-150.14	209.3	159.9	514.5	485.4	29.07	17.700		
4,140.4	4,115.0	4,109.1	4,101.8	15.6	14.6	-150.16	210.6	162.3	520.4	491.0	29.36	17.722		
4,200.0	4,174.1	4,167.5	4,160.0	15.9	14.9	-150.24	212.6	165.7	528.7	498.9	29.80	17.742		
4,300.0	4,273.5	4,266.0	4,258.4	16.3	15.2	-150.26	216.1	171.3	541.1	510.6	30.53	17.721		
4,400.0	4,373.1	4,366.6	4,358.7	16.7	15.6	-150.17	219.5	176.7	551.1	519.9	31.28	17.623		
4,500.0	4,473.0	4,466.5	4,458.5	17.0	16.0	-149.97	222.7	181.9	558.8	526.8	32.01	17.458		
4,600.0	4,572.9	4,564.8	4,556.5	17.4	16.3	-149.61	226.0	187.0	564.3	531.6	32.72	17.246		
4,673.7	4,646.6	4,637.9	4,629.5	17.6	16.6	-6.08	228.7	191.0	567.2	533.9	33.24	17.060		
4,700.0	4,672.9	4,664.8	4,656.4	17.7	16.7	-5.91	229.6	192.6	567.9	534.5	33.44	16.986		
4,800.0	4,772.9	4,767.4	4,758.7	18.0	17.1	-5.21	233.0	199.2	570.6	536.5	34.16	16.703		
4,900.0	4,872.9	4,868.7	4,859.7	18.3	17.5	-4.45	236.1	206.6	573.0	538.1	34.89	16.424		
5,000.0	4,972.9	4,969.2	4,959.9	18.6	17.8	-3.70	238.9	213.9	575.3	539.7	35.61	16.157		
5,100.0	5,072.9	5,069.2	5,059.5	19.0	18.2	-2.98	241.6	221.0	577.5	541.2	36.32	15.902		
5,200.0	5,172.9	5,168.9	5,159.0	19.3	18.6	-2.30	244.2	227.7	579.9	542.9	37.03	15.660		
5,300.0	5,272.9	5,269.1	5,258.9	19.6	19.0	-1.67	246.9	234.1	582.3	544.6	37.74	15.428		
5,400.0	5,372.9	5,369.4	5,359.1	19.9	19.3	-1.06	249.4	240.2	584.7	546.2	38.46	15.203		
5,500.0	5,472.9	5,473.0	5,462.4	20.2	19.7	-0.50	251.6	246.0	586.8	547.6	39.19	14.974		
5,600.0	5,572.9	5,576.7	5,566.0	20.6	20.1	-0.03	253.2	250.8	588.3	548.3	39.92	14.737		
5,700.0	5,672.9	5,673.8	5,663.1	20.9	20.5	0.29	254.6	254.0	589.8	549.2	40.60	14.528		
5,800.0	5,772.9	5,773.5	5,762.7	21.2	20.8	0.47	256.4	255.9	591.6	550.3	41.29	14.328		
5,900.0	5,872.9	5,875.9	5,865.1	21.5	21.2	0.41	257.9	255.3	593.0	551.0	41.97	14.129		
6,000.0	5,972.9	5,976.6	5,965.8	21.9	21.5	0.24	259.2	253.5	594.3	551.7	42.63	13.940		
6,100.0	6,072.9	6,078.3	6,067.5	22.2	21.8	-0.01	260.3	250.9	595.4	552.1	43.30	13.750		
6,200.0	6,172.9	6,183.5	6,172.6	22.5	22.1	-0.28	260.9	248.1	596.0	552.0	43.97	13.553		
6,300.0	6,272.9	6,284.9	6,274.0	22.8	22.5	-0.42	260.7	246.7	595.7	551.1	44.64	13.347		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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		
6,400.0	6,372.9	6,386.6	6,375.7	23.2	22.8	-0.39	260.4	247.0	595.5	550.1	45.31	13.141		
6,454.1	6,427.0	6,441.7	6,430.8	23.4	23.0	-0.32	260.1	247.7	595.2	549.5	45.69	13.027		
6,500.0	6,472.8	6,488.2	6,477.3	23.5	23.1	82.14	259.8	248.5	594.6	548.6	46.00	12.925		
6,550.0	6,522.4	6,537.8	6,526.9	23.6	23.3	82.93	259.4	249.4	593.4	547.1	46.33	12.807		
6,600.0	6,571.3	6,586.6	6,575.7	23.8	23.5	84.13	259.0	250.1	591.8	545.2	46.65	12.685		
6,650.0	6,619.1	6,633.3	6,622.4	23.9	23.6	85.68	258.7	250.6	590.1	543.1	46.96	12.567		
6,700.0	6,665.4	6,678.6	6,667.7	24.0	23.8	87.51	258.5	251.0	588.7	541.4	47.25	12.457		
6,750.0	6,709.9	6,723.7	6,712.7	24.1	23.9	89.62	258.2	251.3	587.8	540.2	47.54	12.364		
6,771.4	6,728.3	6,742.4	6,731.4	24.2	24.0	90.57	258.1	251.4	587.7	540.0	47.66	12.330		
6,800.0	6,752.3	6,766.7	6,755.7	24.2	24.1	91.86	258.0	251.6	587.9	540.1	47.82	12.294		
6,850.0	6,792.1	6,805.6	6,794.7	24.3	24.2	94.00	257.7	251.7	589.5	541.4	48.09	12.259		
6,900.0	6,829.2	6,841.4	6,830.4	24.4	24.3	95.96	257.6	251.9	593.3	544.9	48.35	12.271		
6,950.0	6,863.3	6,874.4	6,863.5	24.5	24.5	97.66	257.5	252.0	599.6	551.0	48.60	12.336		
7,000.0	6,894.0	6,905.1	6,894.1	24.6	24.6	99.05	257.4	252.2	608.8	559.9	48.86	12.459		
7,050.0	6,921.1	6,931.9	6,921.0	24.7	24.7	99.93	257.3	252.4	621.2	572.1	49.11	12.649		
7,100.0	6,944.5	6,954.8	6,943.8	24.9	24.7	100.21	257.2	252.6	637.1	587.7	49.35	12.909		
7,150.0	6,964.0	6,973.8	6,962.8	25.1	24.8	99.81	257.1	252.9	656.4	606.8	49.57	13.241		
7,200.0	6,979.4	6,988.8	6,977.8	25.4	24.9	98.66	257.0	253.1	679.1	629.3	49.78	13.642		
7,250.0	6,990.5	6,999.4	6,988.4	25.8	24.9	96.66	256.9	253.2	704.9	654.9	49.96	14.109		
7,300.0	6,997.4	7,005.6	6,994.6	26.2	24.9	93.78	256.8	253.3	733.5	683.4	50.11	14.639		
7,354.1	7,000.0	7,007.4	6,996.4	26.7	24.9	89.65	256.8	253.3	767.2	716.9	50.23	15.272		
7,400.0	7,000.0	7,006.6	6,995.7	27.1	24.9	89.57	256.8	253.3	797.8	747.5	50.32	15.853		
7,500.0	7,000.0	7,005.1	6,994.1	28.2	24.9	89.40	256.8	253.3	870.8	820.3	50.50	17.245		
7,600.0	7,000.0	7,003.6	6,992.6	29.5	24.9	89.21	256.8	253.3	950.9	900.2	50.64	18.776		
7,700.0	7,000.0	7,002.2	6,991.2	30.9	24.9	89.00	256.9	253.2	1,036.2	985.4	50.76	20.413		
7,800.0	7,000.0	7,000.7	6,989.8	32.4	24.9	88.76	256.9	253.2	1,125.5	1,074.6	50.85	22.132		
7,838.6	7,000.0	7,000.2	6,989.2	33.0	24.9	88.65	256.9	253.2	1,160.8	1,109.9	50.88	22.813		
7,900.0	7,000.0	6,999.4	6,988.4	34.0	24.9	88.54	256.9	253.2	1,217.5	1,166.6	50.93	23.908		
8,000.0	7,000.0	6,998.0	6,987.0	35.8	24.9	88.37	256.9	253.2	1,310.8	1,259.8	50.99	25.709		
8,100.0	7,000.0	6,996.7	6,985.7	37.6	24.9	88.20	256.9	253.2	1,405.0	1,354.0	51.04	27.528		
8,200.0	7,000.0	6,995.3	6,984.4	39.4	24.9	88.03	256.9	253.1	1,500.0	1,448.9	51.09	29.362		
8,300.0	7,000.0	6,994.0	6,983.0	41.4	24.9	87.87	256.9	253.1	1,595.6	1,544.5	51.13	31.206		
8,400.0	7,000.0	6,992.7	6,981.7	43.4	24.9	87.70	256.9	253.1	1,691.7	1,640.5	51.17	33.060		
8,500.0	7,000.0	6,991.4	6,980.4	45.4	24.9	87.54	256.9	253.1	1,788.2	1,737.0	51.21	34.921		
8,600.0	7,000.0	6,990.1	6,979.1	47.5	24.9	87.37	257.0	253.1	1,885.1	1,833.9	51.24	36.788		
8,700.0	7,000.0	6,988.8	6,977.8	49.6	24.9	87.21	257.0	253.1	1,982.3	1,931.0	51.28	38.660		
8,800.0	7,000.0	6,987.5	6,976.6	51.7	24.9	87.05	257.0	253.0	2,079.8	2,028.4	51.31	40.535		
8,900.0	7,000.0	6,986.3	6,975.3	53.9	24.8	86.89	257.0	253.0	2,177.4	2,126.1	51.34	42.414		
9,000.0	7,000.0	6,985.0	6,974.0	56.0	24.8	86.74	257.0	253.0	2,275.3	2,224.0	51.37	44.295		
9,100.0	7,000.0	11,412.3	9,254.8	58.3	63.3	166.88	251.7	-2,131.7	2,316.0	2,268.3	47.69	48.562		
9,198.6	7,000.0	11,458.0	9,253.9	60.4	64.3	166.80	253.3	-2,177.4	2,315.1	2,266.1	48.99	47.254		
9,200.0	7,000.0	11,458.0	9,253.9	60.5	64.3	166.80	253.3	-2,177.4	2,315.1	2,266.1	49.01	47.242		
9,300.0	7,000.0	11,508.5	9,254.2	62.7	65.4	166.73	254.7	-2,227.9	2,316.6	2,266.2	50.38	45.982		
9,400.0	7,000.0	11,770.8	9,247.4	65.0	71.0	166.49	254.4	-2,489.9	2,314.1	2,260.4	53.73	43.066		
9,500.0	7,000.0	11,837.0	9,244.7	67.2	72.4	166.46	253.1	-2,556.1	2,310.3	2,255.0	55.22	41.835		
9,600.0	7,000.0	11,958.5	9,239.6	69.5	75.1	166.41	250.0	-2,677.4	2,306.3	2,249.1	57.22	40.307		
9,700.0	7,000.0	12,026.0	9,236.8	71.8	76.6	166.36	249.1	-2,744.9	2,302.7	2,243.9	58.76	39.191		
9,800.0	7,000.0	12,092.9	9,235.1	74.1	78.1	166.33	247.9	-2,811.8	2,300.5	2,240.2	60.29	38.161		
9,900.0	7,000.0	12,240.3	9,231.4	76.4	81.4	166.31	243.0	-2,959.0	2,298.1	2,235.6	62.50	36.769		
10,000.0	7,000.0	12,310.0	9,229.4	78.7	82.9	166.31	240.3	-3,028.6	2,295.2	2,231.2	64.02	35.850		
10,100.0	7,000.0	12,450.4	9,223.9	81.1	86.1	166.32	234.2	-3,168.7	2,290.7	2,224.6	66.15	34.627		
10,200.0	7,000.0	12,579.5	9,220.1	83.4	89.0	166.39	226.0	-3,297.5	2,287.4	2,219.3	68.08	33.597		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.0	7,000.0	12,665.0	9,216.0	85.7	90.9	166.42	221.2	-3,382.8	2,282.2	2,212.5	69.72	32.734		
10,400.0	7,000.0	12,841.9	9,204.4	88.1	94.9	166.49	209.9	-3,558.9	2,274.4	2,202.4	72.05	31.567		
10,500.0	7,000.0	12,878.0	9,201.7	90.4	95.8	166.49	208.2	-3,594.9	2,267.5	2,194.2	73.33	30.923		
10,600.0	7,000.0	12,935.4	9,198.6	92.8	97.1	166.47	206.2	-3,652.2	2,262.6	2,187.8	74.80	30.250		
10,700.0	7,000.0	12,979.1	9,197.7	95.2	98.1	166.46	205.2	-3,695.9	2,260.6	2,184.5	76.14	29.691		
10,800.0	7,000.0	13,068.6	9,197.3	97.5	100.2	166.48	201.4	-3,785.2	2,260.0	2,182.2	77.83	29.040		
10,900.0	7,000.0	13,260.0	9,196.0	99.9	104.6	166.64	188.4	-3,976.2	2,259.3	2,179.2	80.17	28.182		
11,000.0	7,000.0	13,341.2	9,192.9	102.3	106.4	166.65	184.6	-4,057.3	2,255.3	2,173.5	81.81	27.569		
11,100.0	7,000.0	13,398.3	9,191.5	104.6	107.8	166.66	182.0	-4,114.2	2,252.6	2,169.4	83.23	27.065		
11,185.8	7,000.0	13,446.0	9,191.4	106.7	108.9	166.68	179.5	-4,161.9	2,251.9	2,167.5	84.40	26.681		
11,200.0	7,000.0	13,446.0	9,191.4	107.0	108.9	166.68	179.5	-4,161.9	2,252.0	2,167.5	84.53	26.642		
11,300.0	7,000.0	13,522.2	9,192.2	109.4	110.7	166.70	176.5	-4,238.0	2,253.0	2,166.9	86.09	26.170		
11,400.0	7,000.0	13,636.4	9,193.4	111.8	113.3	166.64	175.7	-4,352.2	2,254.6	2,166.4	88.19	25.566		
11,500.0	7,000.0	11,500.0	9,191.2	114.2	63.2	166.46	176.8	-4,521.4	2,254.2	2,184.2	70.04	32.186		
11,600.0	7,000.0	13,884.1	9,187.6	116.6	119.2	166.30	180.2	-4,599.6	2,251.8	2,158.8	93.03	24.204		
11,648.1	7,000.0	13,909.0	9,186.9	117.7	119.7	166.23	181.8	-4,624.5	2,251.6	2,157.8	93.85	23.993		
11,700.0	7,000.0	13,928.6	9,186.7	118.9	120.2	166.18	183.1	-4,644.0	2,252.1	2,157.5	94.61	23.804		
11,800.0	7,000.0	13,977.2	9,186.8	121.3	121.3	166.07	186.2	-4,692.6	2,254.7	2,158.5	96.21	23.436		
11,900.0	7,000.0	14,213.1	9,182.7	123.7	126.9	165.36	206.4	-4,927.5	2,256.5	2,155.5	101.03	22.335		
12,000.0	7,000.0	14,284.0	9,179.4	126.1	128.6	165.12	213.2	-4,997.9	2,255.2	2,151.9	103.26	21.839		
12,020.3	7,000.0	14,284.0	9,179.4	126.6	128.6	165.12	213.2	-4,997.9	2,255.1	2,151.6	103.46	21.796		
12,100.0	7,000.0	14,334.4	9,177.9	128.5	129.8	164.94	218.3	-5,048.0	2,255.5	2,150.4	105.14	21.453		
12,200.0	7,000.0	14,396.0	9,177.0	130.9	131.2	164.73	224.7	-5,109.3	2,257.8	2,150.5	107.21	21.058		
12,300.0	7,000.0	14,464.5	9,177.7	133.3	132.9	164.56	229.6	-5,177.6	2,261.5	2,152.3	109.25	20.700		
12,400.0	7,000.0	14,578.2	9,181.8	135.7	135.6	164.51	229.4	-5,291.1	2,265.8	2,154.3	111.50	20.321		
12,500.0	7,000.0	12,500.0	9,187.0	138.1	170.9	164.76	212.7	-5,536.7	2,267.6	2,182.7	84.88	26.716		
12,600.0	7,000.0	14,925.1	9,185.3	140.5	143.7	164.93	202.1	-5,636.7	2,264.0	2,148.3	115.65	19.577		
12,700.0	7,000.0	14,982.9	9,186.5	143.0	145.1	165.13	192.2	-5,693.7	2,262.3	2,145.7	116.64	19.396		
12,800.0	7,000.0	12,800.0	9,181.6	145.4	93.1	165.45	170.0	-5,932.9	2,259.2	2,163.3	95.95	23.547		
12,900.0	7,000.0	15,305.4	9,175.3	147.8	152.7	165.38	168.8	-6,014.3	2,252.3	2,131.6	120.77	18.650		
13,000.0	7,000.0	15,392.9	9,169.5	150.2	154.8	165.27	168.8	-6,101.7	2,246.6	2,123.7	122.90	18.280		
13,100.0	7,000.0	15,473.5	9,164.2	152.6	156.7	165.15	169.7	-6,182.0	2,241.4	2,116.4	125.03	17.927		
13,200.0	7,000.0	15,514.0	9,161.8	155.0	157.7	165.09	170.4	-6,222.5	2,237.6	2,111.0	126.67	17.666		
13,300.0	7,000.0	15,577.8	9,159.6	157.4	159.2	165.00	171.1	-6,286.2	2,235.8	2,107.2	128.52	17.396		
13,314.9	7,000.0	15,584.3	9,159.5	157.8	159.3	165.00	171.1	-6,292.7	2,235.7	2,107.0	128.75	17.365		
13,400.0	7,000.0	15,654.7	9,159.7	159.8	161.0	164.95	170.7	-6,363.1	2,236.4	2,106.0	130.39	17.151		
13,500.0	7,000.0	15,747.2	9,159.8	162.3	163.2	164.94	168.4	-6,455.6	2,236.7	2,104.4	132.31	16.905		
13,600.0	7,000.0	15,974.9	9,156.9	164.7	168.7	165.03	156.6	-6,682.8	2,235.2	2,100.1	135.07	16.549		
13,700.0	7,000.0	16,099.0	9,150.1	167.1	171.7	165.01	151.4	-6,806.6	2,229.6	2,092.4	137.22	16.248		
13,800.0	7,000.0	16,159.9	9,147.4	169.5	173.1	165.04	147.9	-6,867.4	2,224.6	2,085.8	138.81	16.027		
13,900.0	7,000.0	16,237.1	9,145.4	171.9	175.0	165.09	142.7	-6,944.3	2,221.2	2,080.8	140.38	15.822		
14,000.0	7,000.0	16,318.2	9,143.5	174.4	176.9	165.11	138.7	-7,025.3	2,218.5	2,076.4	142.09	15.613		
14,100.0	7,000.0	16,424.1	9,140.8	176.8	179.4	165.05	137.1	-7,131.2	2,216.5	2,072.2	144.29	15.361		
14,200.0	7,000.0	16,506.3	9,138.1	179.2	181.4	164.98	136.6	-7,213.3	2,214.1	2,067.7	146.33	15.131		
14,300.0	7,000.0	16,606.7	9,136.4	181.6	183.8	164.90	136.1	-7,313.7	2,213.1	2,064.6	148.55	14.898		
14,400.0	7,000.0	16,736.7	9,131.6	184.0	187.0	164.77	135.9	-7,443.6	2,210.2	2,059.0	151.23	14.615		
14,500.0	7,000.0	16,840.5	9,127.5	186.5	189.5	164.67	135.2	-7,547.3	2,207.1	2,053.6	153.55	14.374		
14,600.0	7,000.0	16,887.5	9,126.3	188.9	190.6	164.64	134.5	-7,594.3	2,205.1	2,049.9	155.17	14.211		
14,634.0	7,000.0	16,903.6	9,126.2	189.7	191.0	164.64	134.2	-7,610.4	2,205.0	2,049.3	155.69	14.163		
14,700.0	7,000.0	16,934.0	9,126.4	191.3	191.7	164.64	133.4	-7,640.8	2,205.5	2,048.9	156.63	14.081		
14,800.0	7,000.0	14,800.0	9,127.8	193.7	140.2	164.55	132.8	-7,778.6	2,207.6	2,070.6	137.02	16.112		
14,900.0	7,000.0	17,258.6	9,121.0	196.2	199.6	164.42	130.0	-7,965.2	2,203.7	2,041.2	162.50	13.561		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
15,000.0	7,000.0	17,337.1	9,117.9	198.6	201.5	164.38	128.2	-8,043.6	2,200.1	2,035.6	164.47	13.377		
15,100.0	7,000.0	17,403.0	9,116.3	201.0	203.0	164.37	126.3	-8,109.4	2,197.8	2,031.6	166.23	13.222		
15,200.0	7,000.0	17,477.1	9,115.7	203.5	204.8	164.36	123.8	-8,183.5	2,197.0	2,029.0	167.98	13.079		
15,300.0	7,000.0	15,300.0	9,113.2	205.9	152.2	164.23	124.3	-8,309.1	2,196.1	2,048.2	147.95	14.844		
15,400.0	7,000.0	17,716.0	9,107.9	208.3	210.6	164.05	126.4	-8,422.2	2,192.8	2,019.2	173.57	12.633		
15,500.0	7,000.0	17,775.1	9,105.7	210.7	212.0	163.95	127.8	-8,481.2	2,191.1	2,015.5	175.62	12.477		
15,507.9	7,000.0	17,778.4	9,105.7	210.9	212.1	163.95	127.9	-8,484.6	2,191.1	2,015.4	175.76	12.467		
15,600.0	7,000.0	17,827.3	9,105.4	213.2	213.3	163.86	129.5	-8,533.4	2,192.2	2,014.7	177.50	12.350		
15,700.0	7,000.0	17,913.6	9,105.6	215.6	215.4	163.71	133.0	-8,619.6	2,194.5	2,014.4	180.03	12.190		
15,800.0	7,000.0	17,991.3	9,106.6	218.0	217.3	163.58	136.0	-8,697.3	2,197.6	2,015.2	182.34	12.052		
15,900.0	7,000.0	18,175.7	9,105.3	220.5	221.7	163.23	143.7	-8,881.4	2,198.9	2,012.0	186.86	11.768		
16,000.0	7,000.0	18,328.6	9,100.9	222.9	225.5	163.03	145.4	-9,034.3	2,197.2	2,007.0	190.26	11.549		
16,100.0	7,000.0	18,452.9	9,095.8	225.3	228.5	162.91	144.6	-9,158.5	2,194.1	2,001.1	193.02	11.367		
16,200.0	7,000.0	18,552.4	9,091.2	227.7	230.9	162.81	144.0	-9,257.8	2,190.4	1,994.8	195.55	11.201		
16,300.0	7,000.0	18,599.6	9,089.4	230.2	232.0	162.76	144.1	-9,305.1	2,187.9	1,990.4	197.46	11.080		
16,350.6	7,000.0	18,622.8	9,088.9	231.4	232.6	162.73	144.4	-9,328.3	2,187.6	1,989.2	198.39	11.027		
16,400.0	7,000.0	18,649.0	9,088.7	232.6	233.2	162.70	144.8	-9,354.4	2,187.9	1,988.6	199.34	10.976		
16,500.0	7,000.0	18,711.6	9,089.1	235.0	234.7	162.62	146.0	-9,417.0	2,189.9	1,988.6	201.36	10.875		
16,600.0	7,000.0	18,788.7	9,090.7	237.5	236.6	162.54	147.3	-9,494.0	2,193.3	1,989.8	203.55	10.775		
16,700.0	7,000.0	18,873.5	9,093.0	239.9	238.7	162.45	148.9	-9,578.9	2,197.5	1,991.6	205.87	10.674		
16,800.0	7,000.0	19,000.1	9,097.0	242.3	241.7	162.34	150.6	-9,705.3	2,202.0	1,993.1	208.87	10.542		
16,900.0	7,000.0	19,077.2	9,098.9	244.8	243.6	162.28	150.9	-9,782.4	2,205.5	1,994.6	210.93	10.456		
17,000.0	7,000.0	19,200.4	9,103.5	247.2	246.6	162.22	150.9	-9,905.5	2,210.2	1,996.5	213.64	10.345		
17,100.0	7,000.0	19,302.3	9,105.5	249.6	249.1	162.14	151.8	-10,007.5	2,213.3	1,997.1	216.21	10.237		
17,200.0	7,000.0	19,401.1	9,107.8	252.1	251.5	162.07	152.1	-10,106.2	2,216.6	1,997.9	218.65	10.138		
17,292.9	7,000.0	19,425.0	9,108.3	254.3	252.1	162.05	152.1	-10,130.1	2,220.7	2,000.9	219.73	10.106 SF		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-20.56	80.0	-30.0	85.4					
100.0	100.0	100.1	100.1	0.1	0.1	-20.50	80.0	-29.9	85.4	85.1	0.27	316.733		
200.0	200.0	200.5	200.5	0.5	0.4	-20.23	79.9	-29.4	85.1	84.2	0.91	93.210		
300.0	300.0	301.7	301.7	0.8	0.8	-19.55	79.1	-28.1	83.9	82.3	1.64	51.179		
400.0	400.0	402.1	402.0	1.2	1.2	-18.65	77.3	-26.1	81.6	79.2	2.36	34.588		
500.0	500.0	502.3	502.2	1.6	1.5	-17.58	75.2	-23.8	78.9	75.8	3.08	25.648		
600.0	600.0	602.4	602.2	1.9	1.9	-16.42	72.9	-21.5	76.1	72.3	3.80	20.036		
700.0	700.0	701.5	701.3	2.3	2.3	-15.28	71.2	-19.4	73.8	69.3	4.51	16.363		
800.0	800.0	801.3	801.1	2.6	2.6	-14.38	69.9	-17.9	72.2	66.9	5.23	13.803		
900.0	900.0	901.0	900.7	3.0	3.0	-13.56	68.7	-16.6	70.7	64.7	5.94	11.890		
960.9	960.9	961.1	960.9	3.2	3.2	-13.30	68.4	-16.2	70.3	64.0	6.37	11.036 CC		
1,000.0	1,000.0	1,000.1	999.9	3.4	3.3	-13.26	68.5	-16.1	70.4	63.7	6.64	10.592 ES		
1,100.0	1,100.0	1,100.2	1,100.0	3.7	3.7	-156.88	68.7	-16.4	71.4	64.1	7.32	9.751		
1,200.0	1,200.0	1,200.2	1,200.0	4.0	4.0	-158.10	68.4	-16.9	73.6	65.7	7.99	9.221		
1,300.0	1,299.9	1,299.8	1,299.6	4.4	4.3	-159.70	68.4	-17.5	77.9	69.3	8.66	9.003		
1,400.0	1,399.7	1,399.4	1,399.2	4.7	4.7	-161.78	68.5	-18.6	84.1	74.8	9.33	9.017		
1,500.0	1,499.4	1,498.9	1,498.7	5.1	5.0	-164.02	68.8	-19.9	92.3	82.3	10.01	9.224		
1,600.0	1,598.9	1,598.9	1,598.7	5.4	5.3	-165.90	69.0	-20.8	102.2	91.5	10.70	9.547		
1,700.0	1,698.3	1,699.4	1,699.1	5.8	5.7	-166.98	69.1	-20.1	112.9	101.5	11.40	9.905		
1,800.0	1,797.4	1,799.6	1,799.4	6.1	6.0	-167.53	68.7	-18.1	124.5	112.4	12.11	10.284		
1,900.0	1,896.4	1,898.4	1,898.1	6.5	6.4	-168.00	68.2	-15.8	136.7	123.9	12.81	10.670		
2,000.0	1,995.5	1,998.3	1,998.0	6.9	6.8	-168.72	67.3	-14.3	148.8	135.3	13.52	11.013		
2,100.0	2,094.5	2,095.7	2,095.3	7.3	7.1	-169.28	66.8	-12.9	161.5	147.2	14.21	11.360		
2,200.0	2,193.5	2,194.3	2,193.9	7.7	7.5	-169.55	67.3	-11.2	174.8	159.9	14.92	11.719		
2,300.0	2,292.5	2,293.8	2,293.4	8.1	7.8	-170.00	67.4	-10.0	188.1	172.5	15.63	12.040		
2,400.0	2,391.6	2,392.9	2,392.6	8.5	8.2	-170.65	67.0	-9.7	201.3	185.0	16.33	12.327		
2,500.0	2,490.6	2,491.6	2,491.2	8.9	8.5	-171.17	66.8	-9.3	214.7	197.7	17.04	12.602		
2,600.0	2,589.6	2,590.8	2,590.5	9.3	8.9	-171.63	66.7	-8.9	228.2	210.4	17.75	12.855		
2,700.0	2,688.6	2,690.7	2,690.4	9.7	9.2	-172.06	66.3	-8.4	241.4	222.9	18.47	13.073		
2,800.0	2,787.7	2,790.4	2,790.0	10.1	9.6	-172.42	65.7	-7.7	254.3	235.2	19.18	13.259		
2,900.0	2,886.7	2,889.3	2,889.0	10.5	9.9	-172.73	65.2	-6.9	267.3	247.4	19.90	13.433		
3,000.0	2,985.7	2,990.1	2,989.7	10.9	10.3	-173.00	64.6	-6.0	280.1	259.5	20.62	13.586		
3,100.0	3,084.8	3,094.9	3,094.5	11.3	10.7	-173.05	63.2	-3.5	291.7	270.3	21.37	13.652		
3,200.0	3,183.8	3,199.7	3,199.1	11.7	11.1	-172.83	60.8	1.2	301.2	279.1	22.11	13.625		
3,300.0	3,282.8	3,301.9	3,301.1	12.1	11.4	-172.39	57.9	7.7	309.5	286.6	22.84	13.547		
3,400.0	3,381.8	3,401.9	3,400.8	12.6	11.8	-171.89	54.9	14.6	317.3	293.7	23.57	13.459		
3,500.0	3,480.9	3,503.7	3,502.3	13.0	12.2	-171.43	51.5	21.8	324.8	300.5	24.31	13.360		
3,600.0	3,579.9	3,604.1	3,602.3	13.4	12.6	-171.07	47.5	28.6	331.9	306.9	25.05	13.251		
3,700.0	3,678.9	3,702.5	3,700.5	13.8	13.0	-170.77	43.7	35.1	339.1	313.4	25.78	13.156		
3,800.0	3,777.9	3,801.8	3,799.6	14.2	13.4	-170.49	40.0	41.4	346.7	320.2	26.51	13.077		
3,900.0	3,877.0	3,907.4	3,904.8	14.6	13.8	-170.13	35.6	48.9	353.5	326.3	27.27	12.965		
4,000.0	3,976.0	4,015.2	4,012.0	15.1	14.3	-169.52	29.8	59.0	358.2	330.1	28.03	12.780		
4,100.0	4,075.0	4,119.1	4,114.9	15.5	14.7	-168.63	23.5	71.3	361.2	332.4	28.79	12.545		
4,140.4	4,115.0	4,160.4	4,155.8	15.6	14.9	-168.24	20.8	76.6	362.2	333.1	29.10	12.445		
4,200.0	4,174.1	4,219.2	4,214.0	15.9	15.2	-167.68	17.1	84.0	363.2	333.7	29.57	12.285		
4,300.0	4,273.5	4,318.6	4,312.4	16.3	15.6	-166.69	10.8	96.3	363.2	332.9	30.35	11.969		
4,400.0	4,373.1	4,417.1	4,410.1	16.7	16.1	-165.70	4.5	107.9	360.9	329.8	31.12	11.596		
4,500.0	4,473.0	4,515.2	4,507.4	17.0	16.5	-164.72	-1.7	118.5	356.6	324.7	31.90	11.180		
4,600.0	4,572.9	4,613.2	4,604.7	17.4	17.0	-163.66	-7.6	128.6	350.3	317.7	32.67	10.724		
4,673.7	4,646.6	4,686.7	4,677.6	17.6	17.3	-19.52	-11.8	136.4	344.4	311.2	33.24	10.360		
4,700.0	4,672.9	4,712.9	4,703.6	17.7	17.4	-19.15	-13.2	139.3	342.0	308.6	33.45	10.227		
4,800.0	4,772.9	4,812.7	4,802.6	18.0	17.9	-17.65	-18.9	150.5	333.1	298.8	34.23	9.731		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,872.9	4,916.7	4,905.7	18.3	18.4	-15.87	-25.4	163.0	323.5	288.5	35.03	9.235		
5,000.0	4,972.9	5,014.2	5,002.3	18.6	18.9	-14.08	-32.0	175.0	313.8	278.0	35.86	8.752		
5,100.0	5,072.9	5,110.5	5,097.7	19.0	19.4	-12.36	-38.0	186.0	305.1	268.4	36.68	8.319		
5,200.0	5,172.9	5,208.9	5,195.5	19.3	19.8	-10.67	-43.7	196.2	297.3	259.8	37.50	7.929		
5,300.0	5,272.9	5,309.1	5,294.9	19.6	20.3	-8.87	-49.6	206.5	289.7	251.4	38.33	7.557		
5,400.0	5,372.9	5,408.0	5,393.1	19.9	20.8	-7.08	-55.7	216.4	282.2	243.1	39.17	7.205		
5,500.0	5,472.9	5,506.8	5,491.3	20.2	21.2	-5.34	-61.4	225.4	275.4	235.4	40.01	6.884		
5,600.0	5,572.9	5,604.8	5,588.8	20.6	21.7	-3.63	-67.2	234.1	268.9	228.0	40.85	6.583		
5,700.0	5,672.9	5,700.3	5,683.9	20.9	22.1	-2.14	-71.6	241.2	263.9	222.2	41.65	6.335		
5,800.0	5,772.9	5,798.2	5,781.6	21.2	22.5	-1.08	-74.9	246.1	260.3	217.9	42.42	6.137		
5,900.0	5,872.9	5,895.8	5,879.1	21.5	22.8	-0.30	-77.9	249.7	257.2	214.0	43.15	5.960		
6,000.0	5,972.9	5,992.6	5,975.8	21.9	23.2	0.00	-79.6	251.0	255.5	211.7	43.82	5.830		
6,100.0	6,072.9	6,091.0	6,074.3	22.2	23.5	0.05	-80.4	251.3	254.7	210.2	44.48	5.726		
6,200.0	6,172.9	6,189.8	6,173.1	22.5	23.8	0.12	-80.7	251.6	254.4	209.2	45.14	5.635		
6,300.0	6,272.9	6,290.3	6,273.6	22.8	24.2	0.22	-80.7	252.0	254.3	208.5	45.83	5.549		
6,355.5	6,328.4	6,345.1	6,328.4	23.0	24.3	0.31	-80.9	252.4	254.2	208.0	46.20	5.501		
6,400.0	6,372.9	6,388.4	6,371.7	23.2	24.5	0.38	-80.8	252.7	254.3	207.8	46.50	5.469		
6,454.1	6,427.0	6,441.9	6,425.2	23.4	24.7	0.46	-80.4	253.1	254.6	207.8	46.86	5.434		
6,500.0	6,472.8	6,487.5	6,470.8	23.5	24.8	83.05	-80.1	253.3	254.8	207.6	47.18	5.400		
6,550.0	6,522.4	6,538.6	6,521.9	23.6	25.0	84.55	-79.8	253.5	254.4	206.8	47.58	5.347		
6,600.0	6,571.3	6,589.5	6,572.8	23.8	25.1	87.10	-79.9	253.8	253.5	205.5	48.01	5.281		
6,650.0	6,619.1	6,637.6	6,620.9	23.9	25.3	90.42	-80.2	254.0	252.8	204.4	48.44	5.220		
6,660.2	6,628.7	6,647.3	6,630.6	23.9	25.3	91.19	-80.3	254.1	252.8	204.3	48.53	5.209		
6,700.0	6,665.4	6,684.2	6,667.4	24.0	25.5	94.39	-80.6	254.3	253.3	204.4	48.88	5.182 SF		
6,750.0	6,709.9	6,728.3	6,711.6	24.1	25.6	98.69	-81.0	254.4	255.8	206.5	49.31	5.188		
6,800.0	6,752.3	6,770.3	6,753.6	24.2	25.7	103.06	-81.3	254.5	261.4	211.7	49.71	5.259		
6,850.0	6,792.1	6,810.1	6,793.4	24.3	25.9	107.25	-81.6	254.6	270.9	220.8	50.05	5.411		
6,900.0	6,829.2	6,847.0	6,830.2	24.4	26.0	110.94	-81.9	254.8	284.8	234.5	50.33	5.660		
6,950.0	6,863.3	6,880.5	6,863.7	24.5	26.1	113.89	-82.2	255.0	303.7	253.2	50.53	6.011		
7,000.0	6,894.0	6,910.5	6,893.7	24.6	26.2	115.94	-82.6	255.4	327.6	276.9	50.66	6.466		
7,050.0	6,921.1	6,936.7	6,920.0	24.7	26.3	116.92	-82.9	255.7	356.1	305.3	50.73	7.019		
7,100.0	6,944.5	6,959.0	6,942.3	24.9	26.4	116.68	-83.2	256.1	388.8	338.1	50.76	7.661		
7,150.0	6,964.0	6,977.8	6,961.0	25.1	26.5	115.13	-83.5	256.4	425.3	374.5	50.75	8.380		
7,200.0	6,979.4	6,992.8	6,976.0	25.4	26.5	112.01	-83.7	256.6	464.7	414.0	50.72	9.162		
7,250.0	6,990.5	7,003.6	6,986.8	25.8	26.5	106.94	-83.9	256.8	506.6	455.9	50.67	9.997		
7,300.0	6,997.4	7,010.0	6,993.3	26.2	26.6	99.59	-84.0	256.8	550.2	499.6	50.61	10.872		
7,354.1	7,000.0	7,011.9	6,995.2	26.7	26.6	88.90	-84.0	256.9	598.9	548.4	50.53	11.853		
7,400.0	7,000.0	7,011.2	6,994.5	27.1	26.6	88.70	-84.0	256.9	641.1	590.6	50.46	12.704		
7,500.0	7,000.0	7,009.8	6,993.0	28.2	26.6	88.18	-84.0	256.8	735.3	684.9	50.35	14.604		
7,600.0	7,000.0	7,008.3	6,991.6	29.5	26.6	87.49	-84.0	256.8	831.7	781.5	50.27	16.546		
7,700.0	7,000.0	7,006.9	6,990.1	30.9	26.6	86.51	-83.9	256.8	929.7	879.5	50.22	18.513		
7,800.0	7,000.0	7,005.5	6,988.7	32.4	26.6	84.96	-83.9	256.8	1,028.6	978.4	50.19	20.495		
7,838.6	7,000.0	7,004.9	6,988.1	33.0	26.6	84.06	-83.9	256.8	1,066.9	1,016.7	50.18	21.263		
7,900.0	7,000.0	7,004.0	6,987.3	34.0	26.5	83.63	-83.9	256.8	1,128.0	1,077.8	50.17	22.485		
8,000.0	7,000.0	7,002.6	6,985.8	35.8	26.5	82.91	-83.9	256.7	1,227.5	1,177.3	50.15	24.476		
8,100.0	7,000.0	7,001.1	6,984.4	37.6	26.5	82.18	-83.9	256.7	1,327.1	1,277.0	50.14	26.467		
8,200.0	7,000.0	6,999.6	6,982.8	39.4	26.5	81.43	-83.8	256.7	1,426.7	1,376.6	50.13	28.459		
8,300.0	7,000.0	6,998.1	6,981.3	41.4	26.5	80.67	-83.8	256.7	1,526.4	1,476.3	50.13	30.450		
8,400.0	7,000.0	6,996.5	6,979.7	43.4	26.5	79.89	-83.8	256.7	1,626.2	1,576.0	50.13	32.441		
8,500.0	7,000.0	6,994.8	6,978.1	45.4	26.5	79.10	-83.8	256.6	1,725.9	1,675.8	50.13	34.432		
8,600.0	7,000.0	6,993.2	6,976.4	47.5	26.5	78.29	-83.7	256.6	1,825.7	1,775.6	50.13	36.421		
8,700.0	7,000.0	6,991.4	6,974.7	49.6	26.5	77.47	-83.7	256.6	1,925.5	1,875.4	50.13	38.409		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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		
8,800.0	7,000.0	6,989.7	6,972.9	51.7	26.5	76.63	-83.7	256.6	2,025.4	1,975.2	50.14	40.397		
8,900.0	7,000.0	6,987.9	6,971.1	53.9	26.5	75.77	-83.7	256.5	2,125.2	2,075.0	50.14	42.382		
9,000.0	7,000.0	6,986.0	6,969.2	56.0	26.5	74.90	-83.6	256.5	2,225.0	2,174.9	50.15	44.367		
9,100.0	7,000.0	6,984.1	6,967.3	58.3	26.5	74.01	-83.6	256.5	2,324.9	2,274.8	50.16	46.349		
9,200.0	7,000.0	6,982.1	6,965.4	60.5	26.5	73.10	-83.6	256.5	2,424.8	2,374.6	50.17	48.330		
9,300.0	7,000.0	6,980.1	6,963.4	62.7	26.5	72.18	-83.6	256.4	2,524.7	2,474.5	50.18	50.310		
9,400.0	7,000.0	6,978.0	6,961.3	65.0	26.5	71.25	-83.5	256.4	2,624.6	2,574.4	50.20	52.287		
9,500.0	7,000.0	6,975.9	6,959.1	67.2	26.4	70.30	-83.5	256.4	2,724.5	2,674.3	50.21	54.262		
9,600.0	7,000.0	6,973.7	6,956.9	69.5	26.4	69.33	-83.5	256.3	2,824.4	2,774.1	50.22	56.235		
9,700.0	7,000.0	6,971.4	6,954.7	71.8	26.4	68.35	-83.4	256.3	2,924.3	2,874.0	50.24	58.206		
9,800.0	7,000.0	6,969.1	6,952.4	74.1	26.4	67.35	-83.4	256.2	3,024.2	2,973.9	50.26	60.175		
9,900.0	7,000.0	6,967.0	6,950.2	76.4	26.4	66.46	-83.4	256.2	3,124.1	3,073.8	50.28	62.140		
10,000.0	7,000.0	13,023.0	10,176.0	78.7	171.8	176.00	-71.8	-2,749.1	3,191.3	3,136.0	55.29	57.714		
10,100.0	7,000.0	13,537.1	10,177.0	81.1	201.1	175.30	-48.9	-3,261.4	3,193.7	3,132.3	61.37	52.041		
10,200.0	7,000.0	13,593.0	10,174.0	83.4	204.3	175.31	-51.5	-3,317.2	3,188.2	3,125.6	62.61	50.924		
10,300.0	7,000.0	13,649.8	10,171.8	85.7	207.5	175.35	-56.0	-3,373.8	3,184.1	3,120.3	63.79	49.915		
10,400.0	7,000.0	13,784.0	10,166.9	88.1	215.2	175.52	-70.0	-3,507.1	3,179.7	3,114.3	65.34	48.663		
10,500.0	7,000.0	13,843.1	10,163.9	90.4	218.5	175.57	-74.9	-3,565.9	3,175.0	3,108.4	66.52	47.729		
10,600.0	7,000.0	13,879.0	10,163.4	92.8	220.6	175.60	-77.8	-3,601.7	3,173.0	3,105.5	67.55	46.975		
10,700.0	7,000.0	14,068.0	10,157.3	95.2	231.4	175.63	-86.3	-3,790.4	3,168.9	3,099.1	69.82	45.390		
10,800.0	7,000.0	14,122.5	10,155.0	97.5	234.6	175.62	-87.7	-3,844.8	3,165.2	3,094.1	71.08	44.527		
10,900.0	7,000.0	14,162.0	10,154.6	99.9	236.8	175.64	-89.7	-3,884.2	3,163.8	3,091.7	72.18	43.834		
11,000.0	7,000.0	14,352.0	10,152.1	102.3	247.8	175.69	-98.7	-4,074.0	3,162.9	3,088.5	74.44	42.492		
11,100.0	7,000.0	14,401.9	10,150.7	104.6	250.7	175.69	-100.8	-4,123.8	3,160.2	3,084.6	75.63	41.784		
11,200.0	7,000.0	11,200.0	10,149.9	107.0	83.4	175.74	-106.1	-4,214.6	3,159.0	3,109.3	49.67	63.594		
11,300.0	7,000.0	14,893.6	10,128.3	109.4	278.9	175.88	-128.6	-4,613.5	3,155.6	3,074.8	80.73	39.088		
11,400.0	7,000.0	14,946.6	10,122.6	111.8	282.0	175.86	-129.4	-4,666.2	3,145.1	3,063.0	82.05	38.331		
11,500.0	7,000.0	14,981.9	10,119.5	114.2	284.0	175.84	-129.6	-4,701.3	3,136.6	3,053.4	83.22	37.688		
11,600.0	7,000.0	15,014.0	10,117.3	116.6	285.8	175.82	-129.7	-4,733.3	3,130.1	3,045.8	84.37	37.101		
11,700.0	7,000.0	15,054.0	10,115.4	118.9	288.2	175.80	-130.0	-4,773.2	3,125.7	3,040.1	85.57	36.530		
11,800.0	7,000.0	15,109.0	10,114.4	121.3	291.3	175.79	-131.5	-4,828.2	3,123.4	3,036.6	86.85	35.964		
11,878.9	7,000.0	15,124.9	10,114.4	123.2	292.3	175.79	-132.1	-4,844.2	3,122.8	3,035.2	87.60	35.650		
11,900.0	7,000.0	15,136.6	10,114.4	123.7	292.9	175.80	-132.7	-4,855.8	3,122.8	3,035.0	87.85	35.548		
12,000.0	7,000.0	15,201.0	10,115.4	126.1	296.7	175.85	-137.5	-4,920.0	3,123.9	3,034.9	89.03	35.088		
12,100.0	7,000.0	15,483.0	10,111.3	128.5	312.9	175.88	-148.8	-5,201.1	3,122.3	3,030.2	92.12	33.895		
12,200.0	7,000.0	15,537.7	10,107.1	130.9	316.1	175.79	-145.7	-5,255.5	3,116.8	3,023.1	93.66	33.279		
12,300.0	7,000.0	15,578.0	10,107.0	133.3	318.4	175.74	-144.5	-5,295.8	3,115.8	3,020.8	94.93	32.823		
12,329.5	7,000.0	15,578.0	10,107.0	134.0	318.4	175.74	-144.5	-5,295.8	3,115.6	3,020.5	95.16	32.742		
12,400.0	7,000.0	15,578.0	10,107.0	135.7	318.4	175.74	-144.5	-5,295.8	3,116.4	3,020.7	95.69	32.568		
12,500.0	7,000.0	15,878.9	10,104.8	138.1	335.9	175.53	-142.5	-5,596.6	3,117.0	3,017.3	99.76	31.245		
12,600.0	7,000.0	15,926.6	10,103.3	140.5	338.6	175.48	-141.8	-5,644.2	3,113.9	3,012.8	101.15	30.787		
12,700.0	7,000.0	15,992.6	10,101.9	143.0	342.5	175.44	-141.9	-5,710.3	3,112.0	3,009.4	102.66	30.314		
12,800.0	7,000.0	16,050.0	10,101.3	145.4	345.8	175.44	-143.8	-5,767.6	3,111.1	3,007.1	103.97	29.924		
12,830.0	7,000.0	16,079.3	10,101.2	146.1	347.5	175.46	-145.5	-5,796.9	3,111.0	3,006.6	104.42	29.795		
12,900.0	7,000.0	16,120.7	10,101.6	147.8	349.9	175.50	-149.0	-5,838.1	3,111.3	3,006.1	105.19	29.579		
13,000.0	7,000.0	16,304.0	10,101.4	150.2	360.5	175.66	-163.9	-6,020.7	3,110.8	3,003.8	107.01	29.070		
13,100.0	7,000.0	16,429.0	10,097.4	152.6	367.7	175.64	-166.7	-6,145.6	3,107.5	2,998.5	108.98	28.513		
13,200.0	7,000.0	16,469.5	10,096.2	155.0	370.1	175.63	-167.7	-6,186.0	3,105.3	2,995.2	110.17	28.187		
13,225.6	7,000.0	16,475.1	10,096.2	155.6	370.4	175.63	-168.0	-6,191.6	3,105.2	2,994.8	110.41	28.124		
13,300.0	7,000.0	16,523.0	10,097.7	157.4	373.2	175.67	-171.6	-6,239.4	3,106.7	2,995.4	111.26	27.922		
13,400.0	7,000.0	16,523.0	10,097.7	159.8	373.2	175.67	-171.6	-6,239.4	3,109.1	2,997.1	111.98	27.765		
13,500.0	7,000.0	16,608.5	10,102.4	162.3	378.1	175.79	-180.2	-6,324.3	3,114.0	3,001.0	113.08	27.538		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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		
13,600.0	7,000.0	16,933.1	10,107.2	164.7	396.9	176.03	-203.4	-6,647.6	3,115.8	2,999.9	115.92	26.878		
13,700.0	7,000.0	16,962.2	10,106.7	167.1	398.6	176.02	-204.2	-6,676.8	3,114.3	2,997.3	116.97	26.624		
13,708.2	7,000.0	16,964.6	10,106.7	167.3	398.7	176.02	-204.3	-6,679.2	3,114.2	2,997.2	117.06	26.604		
13,800.0	7,000.0	16,997.0	10,107.1	169.5	400.6	176.02	-205.3	-6,711.6	3,115.0	2,997.0	118.03	26.392		
13,900.0	7,000.0	17,187.0	10,108.4	171.9	411.7	175.97	-208.6	-6,901.5	3,116.3	2,995.6	120.68	25.823		
13,996.8	7,000.0	17,247.4	10,107.8	174.3	415.2	175.96	-209.6	-6,961.9	3,115.5	2,993.5	122.03	25.531		
14,000.0	7,000.0	17,249.1	10,107.8	174.4	415.3	175.96	-209.7	-6,963.5	3,115.5	2,993.5	122.07	25.523		
14,100.0	7,000.0	17,411.9	10,106.3	176.8	424.8	175.90	-212.1	-7,126.3	3,114.9	2,990.4	124.48	25.022		
14,200.0	7,000.0	17,555.6	10,103.3	179.2	433.1	175.86	-214.5	-7,270.0	3,113.2	2,986.5	126.67	24.577		
14,300.0	7,000.0	17,567.0	10,102.9	181.6	433.8	175.85	-214.6	-7,281.4	3,111.1	2,983.5	127.61	24.380		
14,355.0	7,000.0	17,605.8	10,102.1	183.0	436.1	175.84	-215.0	-7,320.1	3,110.3	2,981.9	128.45	24.214		
14,400.0	7,000.0	17,617.2	10,102.1	184.0	436.7	175.83	-215.1	-7,331.5	3,110.6	2,981.7	128.91	24.129		
14,500.0	7,000.0	17,663.0	10,103.6	186.5	439.4	175.81	-215.5	-7,377.3	3,113.1	2,983.0	130.13	23.922		
14,600.0	7,000.0	17,663.0	10,103.6	188.9	439.4	175.81	-215.5	-7,377.3	3,117.5	2,986.8	130.76	23.841		
14,700.0	7,000.0	17,712.1	10,106.7	191.3	442.2	175.81	-216.5	-7,426.3	3,124.2	2,992.3	131.88	23.689		
14,800.0	7,000.0	17,758.0	10,110.8	193.7	444.9	175.83	-218.6	-7,472.0	3,132.8	3,000.0	132.85	23.582		
14,900.0	7,000.0	18,179.7	10,128.2	196.2	469.4	175.83	-230.8	-7,892.5	3,136.7	2,998.8	137.84	22.756		
15,000.0	7,000.0	18,258.9	10,127.6	198.6	474.0	175.73	-228.4	-7,971.6	3,136.3	2,996.6	139.73	22.445		
15,100.0	7,000.0	18,355.0	10,126.6	201.0	479.6	175.62	-225.3	-8,067.7	3,135.8	2,993.9	141.90	22.098		
15,105.3	7,000.0	18,357.8	10,126.6	201.2	479.7	175.62	-225.2	-8,070.4	3,135.8	2,993.8	141.99	22.085		
15,200.0	7,000.0	18,200.0	10,126.5	203.5	296.7	175.49	-221.4	-8,176.4	3,136.2	3,020.9	115.35	27.188		
15,300.0	7,000.0	18,575.6	10,124.5	205.9	492.4	175.31	-215.4	-8,288.0	3,135.1	2,988.1	146.99	21.329		
15,400.0	7,000.0	18,668.7	10,123.4	208.3	497.8	175.10	-206.8	-8,380.7	3,135.0	2,985.2	149.74	20.936		
15,500.0	7,000.0	18,825.0	10,119.2	210.7	506.8	174.66	-188.2	-8,535.8	3,133.5	2,979.2	154.33	20.304		
15,600.0	7,000.0	18,918.3	10,115.7	213.2	512.1	174.44	-179.4	-8,628.6	3,131.1	2,973.8	157.31	19.904		
15,700.0	7,000.0	18,968.1	10,114.7	215.6	515.0	174.35	-176.4	-8,678.3	3,129.9	2,970.7	159.18	19.663		
15,800.0	7,000.0	19,177.0	10,111.4	218.0	527.2	174.27	-179.0	-8,887.1	3,129.3	2,967.0	162.29	19.282		
15,900.0	7,000.0	19,252.5	10,108.9	220.5	531.6	174.33	-184.9	-8,962.3	3,125.7	2,962.2	163.51	19.116		
16,000.0	7,000.0	19,271.0	10,108.5	222.9	532.6	174.35	-186.8	-8,980.7	3,123.7	2,959.2	164.49	18.990		
16,049.2	7,000.0	19,306.5	10,108.3	224.1	534.7	174.40	-190.6	-9,016.0	3,123.2	2,958.2	164.94	18.936		
16,100.0	7,000.0	19,321.3	10,108.5	225.3	535.5	174.42	-192.3	-9,030.7	3,123.5	2,958.1	165.36	18.889		
16,200.0	7,000.0	19,625.9	10,104.2	227.7	553.1	174.96	-231.7	-9,332.4	3,120.7	2,955.2	165.43	18.864		
16,300.0	7,000.0	19,681.2	10,102.1	230.2	556.2	175.05	-238.5	-9,387.3	3,116.1	2,949.8	166.32	18.735		
16,400.0	7,000.0	19,744.0	10,100.5	232.6	559.9	175.14	-245.6	-9,449.6	3,112.8	2,945.6	167.22	18.615		
16,500.0	7,000.0	19,840.7	10,098.6	235.0	565.5	175.28	-256.5	-9,545.7	3,110.2	2,942.2	168.08	18.504		
16,600.0	7,000.0	19,892.7	10,098.1	237.5	568.5	175.36	-262.7	-9,597.4	3,108.4	2,939.5	168.92	18.402		
16,700.0	7,000.0	20,052.1	10,097.0	239.9	577.7	175.61	-281.4	-9,755.6	3,107.5	2,937.8	169.67	18.314		
16,800.0	7,000.0	20,232.1	10,090.7	242.3	588.1	175.82	-298.9	-9,934.7	3,103.7	2,932.9	170.78	18.173		
16,900.0	7,000.0	20,263.6	10,089.7	244.8	589.9	175.86	-301.9	-9,966.0	3,099.5	2,927.7	171.77	18.044		
17,000.0	7,000.0	20,313.0	10,088.8	247.2	592.8	175.91	-306.7	-10,015.2	3,097.1	2,924.4	172.72	17.931		
17,077.6	7,000.0	20,339.0	10,088.8	249.1	594.3	175.94	-309.2	-10,041.1	3,096.5	2,923.1	173.40	17.858		
17,100.0	7,000.0	20,348.3	10,088.8	249.6	594.8	175.96	-310.1	-10,050.3	3,096.6	2,923.0	173.59	17.839		
17,200.0	7,000.0	20,430.1	10,090.0	252.1	599.6	176.05	-318.0	-10,131.7	3,097.5	2,923.0	174.54	17.747		
17,292.9	7,000.0	20,424.0	10,089.9	254.3	599.2	176.05	-317.4	-10,125.6	3,100.0	2,924.9	175.09	17.705		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-30.0	0.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-30.0	0.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	180.00	-30.0	0.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	180.00	-30.0	0.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	180.00	-30.0	0.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	180.00	-30.0	0.0	30.0	26.9	3.12	9.604 CC, ES		
600.0	600.0	599.5	599.5	1.9	1.9	179.70	-30.9	0.2	30.9	27.0	3.82	8.069		
700.0	700.0	698.9	698.9	2.3	2.2	178.90	-33.4	0.6	33.4	28.9	4.52	7.402		
800.0	800.0	798.2	798.1	2.6	2.6	177.80	-37.6	1.4	37.7	32.5	5.21	7.233		
900.0	900.0	897.3	897.0	3.0	2.9	176.63	-43.5	2.6	43.7	37.8	5.91	7.393		
1,000.0	1,000.0	996.2	995.6	3.4	3.3	175.52	-51.1	4.0	51.4	44.8	6.61	7.781		
1,100.0	1,100.0	1,094.9	1,093.8	3.7	3.6	31.78	-60.3	5.7	60.2	52.9	7.29	8.248		
1,200.0	1,200.0	1,193.4	1,191.7	4.0	4.0	31.95	-71.2	7.8	69.1	61.2	7.96	8.678		
1,300.0	1,299.9	1,291.7	1,289.2	4.4	4.4	32.61	-83.7	10.2	78.3	69.7	8.64	9.064		
1,400.0	1,399.7	1,389.8	1,386.2	4.7	4.8	33.60	-97.7	12.8	87.7	78.4	9.32	9.418		
1,500.0	1,499.4	1,487.7	1,482.9	5.1	5.2	34.81	-113.4	15.8	97.4	87.4	10.00	9.747		
1,600.0	1,598.9	1,585.5	1,579.0	5.4	5.6	36.17	-130.7	19.1	107.5	96.8	10.68	10.060		
1,700.0	1,698.3	1,683.0	1,674.6	5.8	6.0	37.63	-149.6	22.7	117.8	106.4	11.37	10.359		
1,800.0	1,797.4	1,780.3	1,769.7	6.1	6.4	39.15	-170.0	26.5	128.6	116.5	12.07	10.648		
1,900.0	1,896.4	1,877.4	1,864.2	6.5	6.9	40.54	-191.9	30.7	140.3	127.6	12.78	10.981		
2,000.0	1,995.5	1,974.0	1,957.8	6.9	7.4	41.55	-215.3	35.1	153.8	140.3	13.49	11.402		
2,100.0	2,094.5	2,070.3	2,050.7	7.3	7.8	42.23	-240.1	39.8	168.9	154.7	14.20	11.894		
2,200.0	2,193.5	2,166.0	2,142.7	7.7	8.3	42.65	-266.3	44.8	185.6	170.7	14.91	12.448		
2,300.0	2,292.5	2,264.3	2,236.8	8.1	8.9	42.94	-294.1	50.1	203.2	187.5	15.68	12.961		
2,400.0	2,391.6	2,362.8	2,331.1	8.5	9.4	43.18	-321.9	55.4	220.7	204.3	16.45	13.419		
2,500.0	2,490.6	2,461.2	2,425.4	8.9	9.9	43.39	-347.7	60.6	238.3	221.1	17.23	13.834		
2,600.0	2,589.6	2,559.7	2,519.7	9.3	10.5	43.56	-377.5	65.9	255.9	237.9	18.01	14.209		
2,700.0	2,688.6	2,658.1	2,614.0	9.7	11.0	43.72	-405.3	71.2	273.5	254.7	18.79	14.551		
2,800.0	2,787.7	2,756.5	2,708.2	10.1	11.6	43.85	-433.1	76.4	291.0	271.5	19.58	14.863		
2,900.0	2,886.7	2,855.0	2,802.5	10.5	12.1	43.97	-460.9	81.7	308.6	288.3	20.37	15.149		
3,000.0	2,985.7	2,953.4	2,896.8	10.9	12.7	44.08	-488.7	87.0	326.2	305.0	21.17	15.411		
3,100.0	3,084.8	3,051.9	2,991.1	11.3	13.2	44.18	-516.5	92.3	343.8	321.8	21.96	15.654		
3,200.0	3,183.8	3,150.3	3,085.4	11.7	13.8	44.26	-544.3	97.5	361.4	338.6	22.76	15.878		
3,300.0	3,282.8	3,248.7	3,179.7	12.1	14.4	44.34	-572.1	102.8	379.0	355.4	23.56	16.086		
3,400.0	3,381.8	3,347.2	3,274.0	12.6	14.9	44.41	-599.9	108.1	396.6	372.2	24.36	16.279		
3,500.0	3,480.9	3,445.6	3,368.2	13.0	15.5	44.48	-627.7	113.3	414.1	389.0	25.16	16.459		
3,600.0	3,579.9	3,544.1	3,462.5	13.4	16.0	44.54	-655.5	118.6	431.7	405.8	25.97	16.627		
3,700.0	3,678.9	3,642.5	3,556.8	13.8	16.6	44.59	-683.3	123.9	449.3	422.5	26.77	16.784		
3,800.0	3,777.9	3,740.9	3,651.1	14.2	17.2	44.65	-711.1	129.2	466.9	439.3	27.58	16.931		
3,900.0	3,877.0	3,839.4	3,745.4	14.6	17.7	44.69	-738.9	134.4	484.5	456.1	28.38	17.070		
4,000.0	3,976.0	3,937.8	3,839.7	15.1	18.3	44.74	-766.7	139.7	502.1	472.9	29.19	17.200		
4,100.0	4,075.0	4,036.3	3,934.0	15.5	18.9	44.78	-794.5	145.0	519.7	489.7	30.00	17.323		
4,140.4	4,115.0	4,076.0	3,972.1	15.6	19.1	44.80	-805.7	147.1	526.8	496.5	30.33	17.370		
4,200.0	4,174.1	4,134.6	4,028.2	15.9	19.4	44.90	-822.2	150.3	537.6	506.8	30.80	17.452		
4,300.0	4,273.5	4,232.7	4,122.1	16.3	20.0	44.94	-849.9	155.5	557.2	525.6	31.59	17.640		
4,400.0	4,373.1	4,330.3	4,215.6	16.7	20.6	44.82	-877.5	160.7	578.6	546.2	32.34	17.889		
4,500.0	4,473.0	4,427.4	4,308.6	17.0	21.1	44.57	-904.9	165.9	601.8	568.8	33.07	18.197		
4,600.0	4,572.9	4,524.0	4,401.1	17.4	21.7	44.20	-932.2	171.1	627.0	593.2	33.78	18.560		
4,673.7	4,646.6	4,605.2	4,468.9	17.6	22.2	-172.97	-952.2	174.9	646.7	612.4	34.33	18.840		
4,700.0	4,672.9	4,620.0	4,493.0	17.7	22.3	-173.17	-959.3	176.2	653.9	619.5	34.46	18.979		
4,800.0	4,772.9	4,715.7	4,584.8	18.0	22.8	-173.90	-986.3	181.4	681.5	646.4	35.12	19.404		
4,900.0	4,872.9	4,811.5	4,676.5	18.3	23.4	-174.57	-1,013.4	186.5	709.1	673.3	35.79	19.813		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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	4,972.9	4,907.3	4,768.2	18.6	23.9	-175.19	-1,040.4	191.6	736.9	700.4	36.47	20.207		
5,100.0	5,072.9	5,003.1	4,860.0	19.0	24.5	-175.76	-1,067.5	196.8	764.7	727.5	37.14	20.586		
5,200.0	5,172.9	5,101.1	4,951.7	19.3	25.1	-176.30	-1,094.5	201.9	792.6	754.7	37.84	20.947		
5,300.0	5,272.9	5,194.6	5,043.5	19.6	25.6	-176.80	-1,121.6	207.0	820.5	782.0	38.51	21.304		
5,400.0	5,372.9	5,309.6	5,135.2	19.9	26.3	-177.26	-1,148.6	212.2	848.5	809.2	39.28	21.600		
5,500.0	5,472.9	5,386.2	5,226.9	20.2	26.7	-177.70	-1,175.7	217.3	876.5	836.6	39.89	21.972		
5,600.0	5,572.9	5,482.0	5,318.7	20.6	27.3	-178.11	-1,202.7	222.4	904.6	864.0	40.59	22.288		
5,700.0	5,672.9	5,604.4	5,436.4	20.9	28.0	-178.58	-1,235.8	228.7	931.5	890.0	41.53	22.427		
5,800.0	5,772.9	5,732.4	5,560.5	21.2	28.7	-178.98	-1,266.3	234.5	955.3	912.8	42.48	22.487		
5,900.0	5,872.9	5,862.4	5,687.6	21.5	29.3	-179.31	-1,293.2	239.6	975.9	932.6	43.39	22.491		
6,000.0	5,972.9	5,994.1	5,817.3	21.9	29.9	-179.58	-1,316.0	243.9	993.3	949.0	44.26	22.444		
6,100.0	6,072.9	6,127.4	5,949.1	22.2	30.5	-179.79	-1,334.7	247.4	1,007.3	962.2	45.07	22.350		
6,200.0	6,172.9	6,261.8	6,082.8	22.5	31.0	-179.95	-1,348.9	250.1	1,017.8	972.0	45.83	22.211		
6,300.0	6,272.9	6,397.1	6,217.7	22.8	31.4	-179.95	-1,358.5	252.0	1,025.0	978.4	46.52	22.032		
6,400.0	6,372.9	6,532.9	6,353.4	23.2	31.8	-179.90	-1,363.5	252.9	1,028.6	981.4	47.15	21.816		
6,454.1	6,427.0	6,606.5	6,427.0	23.4	32.0	-179.89	-1,364.2	253.0	1,029.1	981.7	47.46	21.686		
6,500.0	6,472.8	6,641.1	6,461.6	23.5	32.1	-97.93	-1,364.3	252.0	1,029.6	981.9	47.77	21.555		
6,550.0	6,522.4	6,678.8	6,499.2	23.6	32.2	-97.83	-1,365.0	248.5	1,031.3	983.2	48.08	21.451		
6,600.0	6,571.3	6,716.6	6,536.4	23.8	32.3	-97.65	-1,366.1	242.7	1,034.2	985.8	48.36	21.385		
6,650.0	6,619.1	6,754.3	6,573.2	23.9	32.4	-97.40	-1,367.6	234.4	1,038.3	989.6	48.62	21.354		
6,700.0	6,665.4	6,792.1	6,609.4	24.0	32.4	-97.08	-1,369.6	223.7	1,043.4	994.6	48.86	21.358		
6,750.0	6,709.9	6,829.9	6,644.8	24.1	32.5	-96.70	-1,372.0	210.8	1,049.8	1,000.7	49.08	21.390		
6,800.0	6,752.3	6,867.7	6,679.3	24.2	32.6	-96.25	-1,374.9	195.5	1,057.1	1,007.8	49.29	21.447		
6,850.0	6,792.1	6,905.6	6,712.7	24.3	32.7	-95.73	-1,378.1	178.0	1,065.5	1,016.0	49.51	21.523		
6,900.0	6,829.2	6,943.6	6,745.0	24.4	32.8	-95.16	-1,381.8	158.3	1,074.9	1,025.2	49.73	21.614		
6,950.0	6,863.3	6,981.6	6,775.9	24.5	32.9	-94.53	-1,385.9	136.5	1,085.2	1,035.2	49.98	21.712		
7,000.0	6,894.0	7,019.9	6,805.5	24.6	32.9	-93.85	-1,390.3	112.7	1,096.4	1,046.1	50.26	21.813		
7,050.0	6,921.1	7,058.3	6,833.4	24.7	33.0	-93.12	-1,395.1	86.8	1,108.3	1,057.7	50.58	21.911		
7,100.0	6,944.5	7,097.0	6,859.8	24.9	33.1	-92.36	-1,400.3	58.9	1,121.0	1,070.0	50.95	22.000		
7,150.0	6,964.0	7,136.0	6,884.3	25.1	33.2	-91.56	-1,405.9	29.1	1,134.3	1,082.9	51.38	22.077		
7,200.0	6,979.4	7,175.4	6,906.9	25.4	33.2	-90.74	-1,411.8	-2.6	1,148.1	1,096.3	51.86	22.138		
7,250.0	6,990.5	7,215.2	6,927.5	25.8	33.3	-89.91	-1,418.0	-36.1	1,162.5	1,110.1	52.41	22.181		
7,300.0	6,997.4	7,255.6	6,945.9	26.2	33.4	-89.06	-1,424.6	-71.4	1,177.3	1,124.3	52.99	22.216		
7,354.1	7,000.0	7,300.1	6,963.2	26.7	33.5	-88.15	-1,432.1	-111.7	1,193.6	1,139.9	53.70	22.227		
7,400.0	7,000.0	7,339.3	6,975.7	27.1	33.6	-88.80	-1,438.9	-148.2	1,207.3	1,153.0	54.36	22.210		
7,500.0	7,000.0	7,430.7	6,995.0	28.2	33.8	-89.76	-1,455.2	-236.0	1,235.4	1,179.4	56.09	22.027		
7,600.0	7,000.0	7,543.3	7,000.0	29.5	34.3	-90.00	-1,475.6	-346.5	1,260.3	1,202.0	58.35	21.598		
7,700.0	7,000.0	7,720.1	7,000.0	30.9	35.3	-90.00	-1,500.3	-521.5	1,277.6	1,216.1	61.57	20.750		
7,800.0	7,000.0	7,900.5	7,000.0	32.4	36.8	-90.00	-1,514.4	-701.4	1,285.3	1,220.1	65.25	19.699		
7,838.6	7,000.0	7,945.5	7,000.0	33.0	37.3	-90.00	-1,516.3	-746.3	1,286.0	1,219.5	66.52	19.333		
7,900.0	7,000.0	8,006.9	7,000.0	34.0	38.0	-90.00	-1,518.8	-807.6	1,286.6	1,218.1	68.47	18.789		
8,000.0	7,000.0	8,106.9	7,000.0	35.8	39.2	-90.00	-1,523.0	-907.6	1,287.5	1,215.7	71.83	17.925		
8,100.0	7,000.0	8,206.9	7,000.0	37.6	40.7	-90.00	-1,527.2	-1,007.5	1,288.5	1,213.1	75.35	17.099		
8,200.0	7,000.0	8,306.9	7,000.0	39.4	42.2	-90.00	-1,531.3	-1,107.4	1,289.4	1,210.4	79.02	16.318		
8,300.0	7,000.0	8,406.9	7,000.0	41.4	43.9	-90.00	-1,535.5	-1,207.3	1,290.4	1,207.5	82.82	15.581		
8,400.0	7,000.0	8,506.9	7,000.0	43.4	45.6	-90.00	-1,539.6	-1,307.2	1,291.3	1,204.6	86.72	14.891		
8,500.0	7,000.0	8,606.9	7,000.0	45.4	47.5	-90.00	-1,543.8	-1,407.1	1,292.3	1,201.5	90.72	14.245		
8,600.0	7,000.0	8,706.9	7,000.0	47.5	49.4	-90.00	-1,548.0	-1,507.0	1,293.2	1,198.4	94.80	13.641		
8,700.0	7,000.0	8,806.9	7,000.0	49.6	51.3	-90.00	-1,552.1	-1,606.9	1,294.2	1,195.2	98.96	13.078		
8,800.0	7,000.0	8,906.9	7,000.0	51.7	53.3	-90.00	-1,556.3	-1,706.8	1,295.1	1,191.9	103.18	12.552		
8,900.0	7,000.0	9,006.8	7,000.0	53.9	55.3	-90.00	-1,560.4	-1,806.7	1,296.1	1,188.6	107.45	12.062		
9,000.0	7,000.0	9,106.8	7,000.0	56.0	57.4	-90.00	-1,564.6	-1,906.6	1,297.0	1,185.2	111.78	11.603		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.0	7,000.0	9,206.8	7,000.0	58.3	59.5	-90.00	-1,568.8	-2,006.5	1,298.0	1,181.8	116.15	11.174		
9,200.0	7,000.0	9,306.8	7,000.0	60.5	61.6	-90.00	-1,572.9	-2,106.5	1,298.9	1,178.4	120.57	10.774		
9,300.0	7,000.0	9,406.8	7,000.0	62.7	63.8	-90.00	-1,577.1	-2,206.4	1,299.9	1,174.9	125.01	10.398		
9,400.0	7,000.0	9,506.8	7,000.0	65.0	65.9	-90.00	-1,581.3	-2,306.3	1,300.8	1,171.3	129.49	10.046		
9,500.0	7,000.0	9,606.8	7,000.0	67.2	68.1	-90.00	-1,585.4	-2,406.2	1,301.8	1,167.8	134.00	9.715		
9,600.0	7,000.0	9,706.8	7,000.0	69.5	70.3	-90.00	-1,589.6	-2,506.1	1,302.7	1,164.2	138.53	9.404		
9,700.0	7,000.0	9,806.8	7,000.0	71.8	72.5	-90.00	-1,593.7	-2,606.0	1,303.7	1,160.6	143.09	9.111		
9,800.0	7,000.0	9,906.8	7,000.0	74.1	74.8	-90.00	-1,597.9	-2,705.9	1,304.6	1,157.0	147.67	8.835		
9,900.0	7,000.0	10,006.8	7,000.0	76.4	77.0	-90.00	-1,602.1	-2,805.8	1,305.6	1,153.3	152.27	8.574		
10,000.0	7,000.0	10,106.8	7,000.0	78.7	79.3	-90.00	-1,606.2	-2,905.7	1,306.5	1,149.6	156.88	8.328		
10,100.0	7,000.0	10,206.8	7,000.0	81.1	81.6	-90.00	-1,610.4	-3,005.6	1,307.5	1,146.0	161.51	8.095		
10,200.0	7,000.0	10,306.8	7,000.0	83.4	83.8	-90.00	-1,614.5	-3,105.5	1,308.4	1,142.3	166.16	7.875		
10,300.0	7,000.0	10,406.8	7,000.0	85.7	86.1	-90.00	-1,618.7	-3,205.5	1,309.4	1,138.6	170.82	7.665		
10,400.0	7,000.0	10,506.8	7,000.0	88.1	88.4	-90.00	-1,622.9	-3,305.4	1,310.3	1,134.8	175.49	7.467		
10,500.0	7,000.0	10,606.8	7,000.0	90.4	90.7	-90.00	-1,627.0	-3,405.3	1,311.3	1,131.1	180.17	7.278		
10,600.0	7,000.0	10,706.8	7,000.0	92.8	93.0	-90.00	-1,631.2	-3,505.2	1,312.2	1,127.4	184.87	7.098		
10,700.0	7,000.0	10,806.8	7,000.0	95.2	95.4	-90.00	-1,635.3	-3,605.1	1,313.2	1,123.6	189.57	6.927		
10,800.0	7,000.0	10,906.8	7,000.0	97.5	97.7	-90.00	-1,639.5	-3,705.0	1,314.1	1,119.8	194.28	6.764		
10,900.0	7,000.0	11,006.8	7,000.0	99.9	100.0	-90.00	-1,643.7	-3,804.9	1,315.1	1,116.1	199.01	6.608		
11,000.0	7,000.0	11,106.8	7,000.0	102.3	102.4	-90.00	-1,647.8	-3,904.8	1,316.0	1,112.3	203.74	6.459		
11,100.0	7,000.0	11,206.7	7,000.0	104.6	104.7	-90.00	-1,652.0	-4,004.7	1,317.0	1,108.5	208.47	6.317		
11,200.0	7,000.0	11,306.7	7,000.0	107.0	107.0	-90.00	-1,656.1	-4,104.6	1,317.9	1,104.7	213.22	6.181		
11,300.0	7,000.0	11,406.7	7,000.0	109.4	109.4	-90.00	-1,660.3	-4,204.5	1,318.9	1,100.9	217.97	6.051		
11,400.0	7,000.0	11,506.7	7,000.0	111.8	111.8	-90.00	-1,664.5	-4,304.5	1,319.8	1,097.1	222.72	5.926		
11,500.0	7,000.0	11,606.7	7,000.0	114.2	114.1	-90.00	-1,668.6	-4,404.4	1,320.8	1,093.3	227.49	5.806		
11,600.0	7,000.0	11,706.7	7,000.0	116.6	116.5	-90.00	-1,672.8	-4,504.3	1,321.7	1,089.5	232.25	5.691		
11,700.0	7,000.0	11,806.7	7,000.0	118.9	118.8	-90.00	-1,676.9	-4,604.2	1,322.7	1,085.7	237.02	5.580		
11,800.0	7,000.0	11,906.7	7,000.0	121.3	121.2	-90.00	-1,681.1	-4,704.1	1,323.6	1,081.8	241.80	5.474		
11,900.0	7,000.0	12,006.7	7,000.0	123.7	123.6	-90.00	-1,685.3	-4,804.0	1,324.6	1,078.0	246.58	5.372		
12,000.0	7,000.0	12,106.7	7,000.0	126.1	126.0	-90.00	-1,689.4	-4,903.9	1,325.5	1,074.2	251.37	5.273		
12,100.0	7,000.0	12,206.7	7,000.0	128.5	128.3	-90.00	-1,693.6	-5,003.8	1,326.5	1,070.3	256.16	5.178		
12,200.0	7,000.0	12,306.7	7,000.0	130.9	130.7	-90.00	-1,697.8	-5,103.7	1,327.4	1,066.5	260.95	5.087		
12,300.0	7,000.0	12,406.7	7,000.0	133.3	133.1	-90.00	-1,701.9	-5,203.6	1,328.4	1,062.6	265.75	4.999		
12,400.0	7,000.0	12,506.7	7,000.0	135.7	135.5	-90.00	-1,706.1	-5,303.5	1,329.3	1,058.8	270.55	4.914		
12,500.0	7,000.0	12,606.7	7,000.0	138.1	137.9	-90.00	-1,710.2	-5,403.5	1,330.3	1,054.9	275.35	4.831		
12,600.0	7,000.0	12,706.7	7,000.0	140.5	140.3	-90.00	-1,714.4	-5,503.4	1,331.2	1,051.1	280.16	4.752		
12,700.0	7,000.0	12,806.7	7,000.0	143.0	142.6	-90.00	-1,718.6	-5,603.3	1,332.2	1,047.2	284.96	4.675		
12,800.0	7,000.0	12,906.7	7,000.0	145.4	145.0	-90.00	-1,722.7	-5,703.2	1,333.1	1,043.4	289.78	4.601		
12,900.0	7,000.0	13,006.7	7,000.0	147.8	147.4	-90.00	-1,726.9	-5,803.1	1,334.1	1,039.5	294.59	4.529		
13,000.0	7,000.0	13,106.7	7,000.0	150.2	149.8	-90.00	-1,731.0	-5,903.0	1,335.0	1,035.6	299.41	4.459		
13,100.0	7,000.0	13,206.7	7,000.0	152.6	152.2	-90.00	-1,735.2	-6,002.9	1,336.0	1,031.8	304.22	4.391		
13,200.0	7,000.0	13,306.7	7,000.0	155.0	154.6	-90.00	-1,739.4	-6,102.8	1,336.9	1,027.9	309.05	4.326		
13,300.0	7,000.0	13,406.6	7,000.0	157.4	157.0	-90.00	-1,743.5	-6,202.7	1,337.9	1,024.0	313.87	4.263		
13,400.0	7,000.0	13,506.6	7,000.0	159.8	159.4	-90.00	-1,747.7	-6,302.6	1,338.8	1,020.1	318.69	4.201		
13,500.0	7,000.0	13,606.6	7,000.0	162.3	161.8	-90.00	-1,751.8	-6,402.5	1,339.8	1,016.3	323.52	4.141		
13,600.0	7,000.0	13,706.6	7,000.0	164.7	164.2	-90.00	-1,756.0	-6,502.4	1,340.7	1,012.4	328.35	4.083		
13,700.0	7,000.0	13,806.6	7,000.0	167.1	166.6	-90.00	-1,760.2	-6,602.4	1,341.7	1,008.5	333.18	4.027		
13,800.0	7,000.0	13,906.6	7,000.0	169.5	169.0	-90.00	-1,764.3	-6,702.3	1,342.6	1,004.6	338.01	3.972		
13,900.0	7,000.0	14,006.6	7,000.0	171.9	171.4	-90.00	-1,768.5	-6,802.2	1,343.6	1,000.7	342.85	3.919		
14,000.0	7,000.0	14,106.6	7,000.0	174.4	173.8	-90.00	-1,772.6	-6,902.1	1,344.5	996.9	347.68	3.867		
14,100.0	7,000.0	14,206.6	7,000.0	176.8	176.3	-90.00	-1,776.8	-7,002.0	1,345.5	993.0	352.52	3.817		
14,200.0	7,000.0	14,306.6	7,000.0	179.2	178.7	-90.00	-1,781.0	-7,101.9	1,346.4	989.1	357.36	3.768		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.0	7,000.0	14,406.6	7,000.0	181.6	181.1	-90.00	-1,785.1	-7,201.8	1,347.4	985.2	362.20	3.720		
14,400.0	7,000.0	14,506.6	7,000.0	184.0	183.5	-90.00	-1,789.3	-7,301.7	1,348.3	981.3	367.04	3.674		
14,500.0	7,000.0	14,606.6	7,000.0	186.5	185.9	-90.00	-1,793.5	-7,401.6	1,349.3	977.4	371.88	3.628		
14,600.0	7,000.0	14,706.6	7,000.0	188.9	188.3	-90.00	-1,797.6	-7,501.5	1,350.2	973.5	376.72	3.584		
14,700.0	7,000.0	14,806.6	7,000.0	191.3	190.7	-90.00	-1,801.8	-7,601.4	1,351.2	969.6	381.57	3.541		
14,800.0	7,000.0	14,906.6	7,000.0	193.7	193.1	-90.00	-1,805.9	-7,701.4	1,352.1	965.7	386.41	3.499		
14,900.0	7,000.0	15,006.6	7,000.0	196.2	195.6	-90.00	-1,810.1	-7,801.3	1,353.1	961.8	391.26	3.458		
15,000.0	7,000.0	15,106.6	7,000.0	198.6	198.0	-90.00	-1,814.3	-7,901.2	1,354.0	957.9	396.11	3.418		
15,100.0	7,000.0	15,206.6	7,000.0	201.0	200.4	-90.00	-1,818.4	-8,001.1	1,355.0	954.0	400.96	3.379		
15,200.0	7,000.0	15,306.6	7,000.0	203.5	202.8	-90.00	-1,822.6	-8,101.0	1,355.9	950.1	405.81	3.341		
15,300.0	7,000.0	15,406.6	7,000.0	205.9	205.2	-90.00	-1,826.7	-8,200.9	1,356.9	946.2	410.66	3.304		
15,400.0	7,000.0	15,506.6	7,000.0	208.3	207.6	-90.00	-1,830.9	-8,300.8	1,357.8	942.3	415.51	3.268		
15,500.0	7,000.0	15,606.6	7,000.0	210.7	210.1	-90.00	-1,835.1	-8,400.7	1,358.8	938.4	420.36	3.232		
15,600.0	7,000.0	15,706.5	7,000.0	213.2	212.5	-90.00	-1,839.2	-8,500.6	1,359.7	934.5	425.22	3.198		
15,700.0	7,000.0	15,806.5	7,000.0	215.6	214.9	-90.00	-1,843.4	-8,600.5	1,360.7	930.6	430.07	3.164		
15,800.0	7,000.0	15,906.5	7,000.0	218.0	217.3	-90.00	-1,847.5	-8,700.4	1,361.6	926.7	434.92	3.131		
15,900.0	7,000.0	16,006.5	7,000.0	220.5	219.7	-90.00	-1,851.7	-8,800.4	1,362.6	922.8	439.78	3.098		
16,000.0	7,000.0	16,106.5	7,000.0	222.9	222.2	-90.00	-1,855.9	-8,900.3	1,363.5	918.9	444.64	3.067		
16,100.0	7,000.0	16,206.5	7,000.0	225.3	224.6	-90.00	-1,860.0	-9,000.2	1,364.5	915.0	449.49	3.036		
16,200.0	7,000.0	16,306.5	7,000.0	227.7	227.0	-90.00	-1,864.2	-9,100.1	1,365.4	911.1	454.35	3.005		
16,300.0	7,000.0	16,406.5	7,000.0	230.2	229.4	-90.00	-1,868.3	-9,200.0	1,366.4	907.2	459.21	2.976		
16,400.0	7,000.0	16,506.5	7,000.0	232.6	231.9	-90.00	-1,872.5	-9,299.9	1,367.4	903.3	464.07	2.946		
16,500.0	7,000.0	16,606.5	7,000.0	235.0	234.3	-90.00	-1,876.7	-9,399.8	1,368.3	899.4	468.93	2.918		
16,600.0	7,000.0	16,706.5	7,000.0	237.5	236.7	-90.00	-1,880.8	-9,499.7	1,369.3	895.5	473.79	2.890		
16,700.0	7,000.0	16,806.5	7,000.0	239.9	239.1	-90.00	-1,885.0	-9,599.6	1,370.2	891.6	478.65	2.863		
16,800.0	7,000.0	16,906.5	7,000.0	242.3	241.6	-90.00	-1,889.1	-9,699.5	1,371.2	887.6	483.51	2.836		
16,900.0	7,000.0	17,006.5	7,000.0	244.8	244.0	-90.00	-1,893.3	-9,799.4	1,372.1	883.7	488.37	2.810		
17,000.0	7,000.0	17,106.5	7,000.0	247.2	246.4	-90.00	-1,897.5	-9,899.4	1,373.1	879.8	493.24	2.784		
17,100.0	7,000.0	17,206.5	7,000.0	249.6	248.8	-90.00	-1,901.6	-9,999.3	1,374.0	875.9	498.10	2.758		
17,200.0	7,000.0	17,306.5	7,000.0	252.1	251.3	-90.00	-1,905.8	-10,099.2	1,375.0	872.0	502.96	2.734		
17,292.9	7,000.0	17,400.7	7,000.0	254.3	253.5	-90.00	-1,909.7	-10,192.0	1,375.8	868.3	507.51	2.711 SF		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-30.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-90.00	0.0	-30.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	-90.00	0.0	-30.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	-90.00	0.0	-30.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	-90.00	0.0	-30.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	-90.00	0.0	-30.0	30.0	26.9	3.12	9.604		
600.0	600.0	600.0	600.0	1.9	1.9	-90.00	0.0	-30.0	30.0	26.2	3.84	7.811		
700.0	700.0	700.0	700.0	2.3	2.3	-90.00	0.0	-30.0	30.0	25.4	4.56	6.582		
800.0	800.0	800.0	800.0	2.6	2.6	-90.00	0.0	-30.0	30.0	24.7	5.27	5.688		
900.0	900.0	900.0	900.0	3.0	3.0	-90.00	0.0	-30.0	30.0	24.0	5.99	5.007		
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-90.00	0.0	-30.0	30.0	23.3	6.71	4.472		
1,100.0	1,100.0	1,100.5	1,100.5	3.7	3.7	128.12	0.0	-29.1	29.7	22.3	7.40	4.007		
1,200.0	1,200.0	1,201.0	1,201.0	4.0	4.1	132.11	-0.2	-26.5	28.7	20.6	8.07	3.556		
1,300.0	1,299.9	1,301.4	1,301.3	4.4	4.4	139.30	-0.4	-22.1	27.5	18.7	8.75	3.139		
1,400.0	1,399.7	1,401.7	1,401.4	4.7	4.8	150.21	-0.7	-15.9	26.5	17.1	9.43	2.811		
1,436.9	1,436.4	1,438.7	1,438.3	4.8	4.9	155.17	-0.8	-13.2	26.4	16.7	9.69	2.727 CC		
1,500.0	1,499.4	1,501.9	1,501.3	5.1	5.1	164.61	-1.1	-8.1	26.8	16.7	10.13	2.645 ES, SF		
1,600.0	1,598.9	1,602.0	1,600.8	5.4	5.5	-179.42	-1.6	1.5	29.3	18.4	10.83	2.701		
1,700.0	1,698.3	1,701.8	1,700.0	5.8	5.8	-164.83	-2.1	12.9	34.5	23.0	11.56	2.986		
1,800.0	1,797.4	1,801.4	1,798.8	6.1	6.2	-153.29	-2.8	25.9	42.5	30.2	12.30	3.456		
1,900.0	1,896.4	1,900.7	1,897.1	6.5	6.6	-145.25	-3.5	39.7	52.3	39.3	13.06	4.007		
2,000.0	1,995.5	2,000.0	1,995.4	6.9	7.0	-139.81	-4.2	53.5	62.8	49.0	13.82	4.547		
2,100.0	2,094.5	2,100.7	2,093.8	7.3	7.4	-135.95	-4.9	67.3	73.7	59.1	14.59	5.053		
2,200.0	2,193.5	2,201.4	2,192.1	7.7	7.8	-133.09	-5.6	81.1	84.8	69.5	15.36	5.523		
2,300.0	2,292.5	2,302.1	2,290.4	8.1	8.2	-130.90	-6.2	94.9	96.1	80.0	16.14	5.955		
2,400.0	2,391.6	2,402.8	2,388.8	8.5	8.6	-129.17	-6.9	108.7	107.5	90.6	16.93	6.353		
2,500.0	2,490.6	2,503.5	2,487.1	8.9	9.0	-127.77	-7.6	122.5	119.0	101.3	17.72	6.718		
2,600.0	2,589.6	2,604.2	2,585.4	9.3	9.4	-126.62	-8.3	136.3	130.6	112.1	18.51	7.053		
2,700.0	2,688.6	2,704.9	2,683.8	9.7	9.8	-125.66	-9.0	150.1	142.2	122.8	19.31	7.362		
2,800.0	2,787.7	2,805.6	2,782.1	10.1	10.2	-124.84	-9.7	163.9	153.8	133.7	20.11	7.648		
2,900.0	2,886.7	2,893.7	2,880.4	10.5	10.6	-124.14	-10.4	177.7	165.4	144.6	20.86	7.931		
3,000.0	2,985.7	3,007.0	2,978.8	10.9	11.0	-123.52	-11.1	191.5	177.1	155.4	21.71	8.156		
3,100.0	3,084.8	3,092.3	3,077.1	11.3	11.4	-122.99	-11.8	205.3	188.8	166.3	22.46	8.407		
3,200.0	3,183.8	3,192.3	3,176.2	11.7	11.8	-122.59	-12.4	218.9	200.4	177.1	23.26	8.615		
3,300.0	3,282.8	3,293.3	3,276.5	12.1	12.2	-122.81	-13.0	230.5	211.4	187.3	24.06	8.783		
3,400.0	3,381.8	3,394.4	3,377.2	12.6	12.6	-123.68	-13.5	239.4	221.6	196.7	24.85	8.917		
3,500.0	3,480.9	3,495.4	3,478.0	13.0	12.9	-125.11	-13.8	245.6	231.1	205.5	25.61	9.025		
3,600.0	3,579.9	3,596.1	3,578.7	13.4	13.3	-127.04	-14.0	249.1	240.2	213.9	26.35	9.117		
3,700.0	3,678.9	3,703.7	3,678.9	13.8	13.7	-129.41	-14.0	250.0	249.1	222.0	27.08	9.198		
3,800.0	3,777.9	3,804.6	3,777.9	14.2	14.0	-131.78	-14.0	250.0	258.2	230.4	27.78	9.295		
3,900.0	3,877.0	3,905.6	3,877.0	14.6	14.3	-133.99	-14.0	250.0	267.7	239.3	28.47	9.404		
4,000.0	3,976.0	4,006.6	3,976.0	15.1	14.7	-136.05	-14.0	250.0	277.6	248.5	29.16	9.520		
4,100.0	4,075.0	4,107.5	4,075.0	15.5	15.0	-137.96	-14.0	250.0	287.9	258.0	29.85	9.642		
4,140.4	4,115.0	4,132.5	4,115.0	15.6	15.1	-138.70	-14.0	250.0	292.1	262.0	30.08	9.710		
4,200.0	4,174.1	4,208.5	4,174.1	15.9	15.3	-139.75	-14.0	250.0	298.0	267.5	30.54	9.758		
4,300.0	4,273.5	4,309.1	4,273.5	16.3	15.7	-141.16	-14.0	250.0	306.6	275.4	31.23	9.818		
4,400.0	4,373.1	4,409.4	4,373.1	16.7	16.0	-142.19	-14.0	250.0	313.2	281.3	31.91	9.815		
4,500.0	4,473.0	4,509.6	4,473.0	17.0	16.4	-142.88	-14.0	250.0	317.9	285.3	32.60	9.752		
4,600.0	4,572.9	4,609.7	4,572.9	17.4	16.7	-143.26	-14.0	250.0	320.5	287.2	33.28	9.630		
4,673.7	4,646.6	4,664.1	4,646.6	17.6	16.9	-0.18	-14.0	250.0	321.0	287.3	33.71	9.524		
4,700.0	4,672.9	4,709.7	4,672.9	17.7	17.0	-0.18	-14.0	250.0	321.0	287.1	33.95	9.456		
4,800.0	4,772.9	4,809.7	4,772.9	18.0	17.4	-0.18	-14.0	250.0	321.0	286.4	34.62	9.274		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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	4,872.9	4,909.7	4,872.9	18.3	17.7	-0.18	-14.0	250.0	321.0	285.8	35.29	9.099		
5,000.0	4,972.9	5,009.7	4,972.9	18.6	18.1	-0.18	-14.0	250.0	321.0	285.1	35.96	8.929		
5,100.0	5,072.9	5,109.7	5,072.9	19.0	18.4	-0.18	-14.0	250.0	321.0	284.4	36.63	8.765		
5,200.0	5,172.9	5,209.7	5,172.9	19.3	18.8	-0.18	-14.0	250.0	321.0	283.7	37.30	8.607		
5,300.0	5,272.9	5,309.7	5,272.9	19.6	19.1	-0.18	-14.0	250.0	321.0	283.1	37.98	8.454		
5,400.0	5,372.9	5,409.7	5,372.9	19.9	19.4	-0.18	-14.0	250.0	321.0	282.4	38.65	8.306		
5,500.0	5,472.9	5,509.7	5,472.9	20.2	19.8	-0.18	-14.0	250.0	321.0	281.7	39.33	8.163		
5,600.0	5,572.9	5,609.7	5,572.9	20.6	20.1	-0.18	-14.0	250.0	321.0	281.0	40.01	8.024		
5,700.0	5,672.9	5,709.7	5,672.9	20.9	20.5	-0.18	-14.0	250.0	321.0	280.4	40.69	7.890		
5,800.0	5,772.9	5,809.7	5,772.9	21.2	20.8	-0.18	-14.0	250.0	321.0	279.7	41.37	7.760		
5,900.0	5,872.9	5,909.7	5,872.9	21.5	21.2	-0.18	-14.0	250.0	321.0	279.0	42.06	7.634		
6,000.0	5,972.9	6,009.7	5,972.9	21.9	21.5	-0.18	-14.0	250.0	321.0	278.3	42.74	7.511		
6,100.0	6,072.9	6,109.7	6,072.9	22.2	21.9	-0.18	-14.0	250.0	321.0	277.6	43.43	7.393		
6,200.0	6,172.9	6,209.7	6,172.9	22.5	22.2	-0.18	-14.0	250.0	321.0	276.9	44.11	7.278		
6,300.0	6,272.9	6,309.7	6,272.9	22.8	22.6	-0.18	-14.0	250.0	321.0	276.2	44.80	7.166		
6,400.0	6,372.9	6,409.7	6,372.9	23.2	22.9	-0.18	-14.0	250.0	321.0	275.6	45.49	7.058		
6,454.1	6,427.0	6,444.4	6,427.0	23.4	23.0	-0.18	-14.0	250.0	321.0	275.3	45.79	7.011		
6,500.0	6,472.8	6,509.7	6,472.8	23.5	23.3	82.32	-14.0	250.0	320.8	274.6	46.18	6.947		
6,550.0	6,522.4	6,539.9	6,522.4	23.6	23.4	83.48	-14.0	250.0	320.0	273.6	46.45	6.889		
6,600.0	6,571.3	6,588.8	6,571.3	23.8	23.5	85.41	-14.0	250.0	319.0	272.2	46.79	6.817		
6,650.0	6,619.1	6,636.5	6,619.1	23.9	23.7	88.02	-14.0	250.0	318.1	271.0	47.13	6.750		
6,682.3	6,649.2	6,666.6	6,649.2	24.0	23.8	90.00	-14.0	250.0	317.9	270.6	47.34	6.715		
6,700.0	6,665.4	6,682.9	6,665.4	24.0	23.9	91.17	-14.0	250.0	318.0	270.5	47.46	6.700		
6,750.0	6,709.9	6,727.4	6,709.9	24.1	24.0	94.67	-14.0	250.0	319.3	271.5	47.78	6.683		
6,800.0	6,752.3	6,769.7	6,752.3	24.2	24.2	98.31	-14.0	250.0	322.9	274.8	48.09	6.714		
6,850.0	6,792.1	6,809.6	6,792.1	24.3	24.3	101.85	-14.0	250.0	329.5	281.1	48.37	6.811		
6,900.0	6,829.2	6,846.7	6,829.2	24.4	24.4	105.06	-14.0	250.0	339.8	291.2	48.64	6.987		
6,950.0	6,863.3	6,880.7	6,863.3	24.5	24.6	107.72	-14.0	250.0	354.4	305.5	48.88	7.251		
7,000.0	6,894.0	6,911.4	6,894.0	24.6	24.7	109.67	-14.0	250.0	373.5	324.4	49.08	7.610		
7,050.0	6,921.1	6,938.6	6,921.1	24.7	24.8	110.76	-14.0	250.0	397.2	347.9	49.25	8.064		
7,100.0	6,944.5	6,962.0	6,944.5	24.9	24.8	110.86	-14.0	250.0	425.1	375.7	49.39	8.607		
7,150.0	6,964.0	6,981.4	6,964.0	25.1	24.9	109.81	-14.0	250.0	457.0	407.5	49.50	9.232		
7,200.0	6,979.4	7,003.2	6,979.4	25.4	25.0	107.44	-14.0	250.0	492.3	442.7	49.60	9.924		
7,250.0	6,990.5	7,008.0	6,990.5	25.8	25.0	103.57	-14.0	250.0	530.4	480.8	49.63	10.688		
7,300.0	6,997.4	7,014.8	6,997.4	26.2	25.0	98.00	-14.0	250.0	570.8	521.2	49.65	11.497		
7,354.1	7,000.0	7,017.4	7,000.0	26.7	25.0	90.00	-14.0	250.0	616.4	566.8	49.65	12.416		
7,400.0	7,000.0	7,017.4	7,000.0	27.1	25.0	90.00	-14.0	250.0	656.3	606.7	49.63	13.223		
7,500.0	7,000.0	7,017.4	7,000.0	28.2	25.0	90.00	-14.0	250.0	746.8	697.1	49.62	15.050		
7,600.0	7,000.0	7,017.4	7,000.0	29.5	25.0	90.00	-14.0	250.0	840.5	790.9	49.61	16.943		
7,700.0	7,000.0	8,462.3	7,790.0	30.9	33.2	155.79	124.6	-639.6	866.3	834.1	32.21	26.896		
7,800.0	7,000.0	8,576.5	7,790.0	32.4	34.8	155.53	129.3	-753.6	868.1	834.0	34.07	25.477		
7,838.6	7,000.0	8,620.6	7,790.0	33.0	35.5	155.44	129.9	-797.8	868.7	833.9	34.82	24.950		
7,900.0	7,000.0	8,690.9	7,790.0	34.0	36.6	155.33	129.4	-868.0	869.4	833.4	35.99	24.154		
8,000.0	7,000.0	8,800.9	7,790.0	35.8	38.3	155.35	125.7	-976.2	869.2	831.4	37.81	22.991		
8,100.0	7,000.0	8,900.9	7,790.0	37.6	40.0	155.40	121.5	-1,076.1	868.8	829.2	39.60	21.939		
8,200.0	7,000.0	9,000.9	7,790.0	39.4	41.8	155.46	117.4	-1,176.0	868.4	827.0	41.46	20.948		
8,300.0	7,000.0	9,100.9	7,790.0	41.4	43.7	155.52	113.2	-1,275.9	868.1	824.7	43.37	20.017		
8,400.0	7,000.0	9,200.9	7,790.0	43.4	45.6	155.57	109.1	-1,375.8	867.7	822.3	45.32	19.146		
8,500.0	7,000.0	9,300.9	7,790.0	45.4	47.5	155.63	104.9	-1,475.7	867.3	820.0	47.31	18.332		
8,600.0	7,000.0	9,400.9	7,790.0	47.5	49.5	155.69	100.7	-1,575.6	866.9	817.6	49.33	17.571		
8,700.0	7,000.0	9,500.9	7,790.0	49.6	51.5	155.74	96.6	-1,675.6	866.5	815.1	51.39	16.862		
8,800.0	7,000.0	9,600.9	7,790.0	51.7	53.6	155.80	92.4	-1,775.5	866.1	812.6	53.46	16.200		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.0	7,000.0	9,700.9	7,790.0	53.9	55.7	155.86	88.3	-1,875.4	865.7	810.2	55.56	15.582		
9,000.0	7,000.0	9,800.9	7,790.0	56.0	57.8	155.92	84.1	-1,975.3	865.3	807.7	57.67	15.004		
9,100.0	7,000.0	9,900.9	7,790.0	58.3	60.0	155.97	80.0	-2,075.2	865.0	805.1	59.80	14.464		
9,200.0	7,000.0	10,000.9	7,790.0	60.5	62.1	156.03	75.8	-2,175.1	864.6	802.6	61.94	13.957		
9,300.0	7,000.0	10,100.9	7,790.0	62.7	64.3	156.09	71.7	-2,275.0	864.2	800.1	64.09	13.483		
9,400.0	7,000.0	10,200.9	7,790.0	65.0	66.5	156.14	67.5	-2,374.9	863.8	797.5	66.25	13.038		
9,500.0	7,000.0	10,300.9	7,790.0	67.2	68.7	156.20	63.3	-2,474.8	863.4	795.0	68.42	12.619		
9,600.0	7,000.0	10,400.9	7,790.0	69.5	71.0	156.26	59.2	-2,574.7	863.0	792.4	70.60	12.225		
9,700.0	7,000.0	10,500.9	7,790.0	71.8	73.2	156.32	55.0	-2,674.6	862.7	789.9	72.77	11.854		
9,800.0	7,000.0	10,600.9	7,790.0	74.1	75.5	156.37	50.9	-2,774.6	862.3	787.3	74.96	11.504		
9,900.0	7,000.0	10,701.0	7,790.0	76.4	77.8	156.43	46.7	-2,874.5	861.9	784.8	77.14	11.173		
10,000.0	7,000.0	10,801.0	7,790.0	78.7	80.1	156.49	42.6	-2,974.4	861.5	782.2	79.33	10.860		
10,100.0	7,000.0	10,901.0	7,790.0	81.1	82.3	156.55	38.4	-3,074.3	861.1	779.6	81.52	10.564		
10,200.0	7,000.0	11,001.0	7,790.0	83.4	84.6	156.60	34.3	-3,174.2	860.8	777.1	83.70	10.283		
10,300.0	7,000.0	11,101.0	7,790.0	85.7	87.0	156.66	30.1	-3,274.1	860.4	774.5	85.89	10.017		
10,400.0	7,000.0	11,201.0	7,790.0	88.1	89.3	156.72	25.9	-3,374.0	860.0	771.9	88.08	9.764		
10,500.0	7,000.0	11,301.0	7,790.0	90.4	91.6	156.78	21.8	-3,473.9	859.6	769.4	90.27	9.523		
10,600.0	7,000.0	11,401.0	7,790.0	92.8	93.9	156.84	17.6	-3,573.8	859.3	766.8	92.45	9.294		
10,700.0	7,000.0	11,501.0	7,790.0	95.2	96.3	156.89	13.5	-3,673.7	858.9	764.3	94.64	9.076		
10,800.0	7,000.0	11,601.0	7,790.0	97.5	98.6	156.95	9.3	-3,773.6	858.5	761.7	96.82	8.867		
10,900.0	7,000.0	11,701.0	7,790.0	99.9	100.9	157.01	5.2	-3,873.6	858.2	759.2	99.00	8.668		
11,000.0	7,000.0	11,799.0	7,790.0	102.3	103.2	157.07	1.0	-3,973.5	857.8	756.6	101.16	8.480		
11,100.0	7,000.0	11,901.0	7,790.0	104.6	105.6	157.13	-3.1	-4,073.4	857.4	754.1	103.35	8.296		
11,200.0	7,000.0	12,001.0	7,790.0	107.0	108.0	157.18	-7.3	-4,173.3	857.1	751.5	105.52	8.122		
11,300.0	7,000.0	12,101.0	7,790.0	109.4	110.4	157.24	-11.5	-4,273.2	856.7	749.0	107.69	7.955		
11,400.0	7,000.0	12,201.0	7,790.0	111.8	112.7	157.30	-15.6	-4,373.1	856.3	746.5	109.86	7.795		
11,500.0	7,000.0	12,301.0	7,790.0	114.2	115.1	157.36	-19.8	-4,473.0	856.0	744.0	112.02	7.641		
11,600.0	7,000.0	12,401.0	7,790.0	116.6	117.5	157.42	-23.9	-4,572.9	855.6	741.4	114.17	7.494		
11,700.0	7,000.0	12,501.0	7,790.0	118.9	119.8	157.48	-28.1	-4,672.8	855.2	738.9	116.32	7.352		
11,800.0	7,000.0	12,601.0	7,790.0	121.3	122.2	157.54	-32.2	-4,772.7	854.9	736.4	118.47	7.216		
11,900.0	7,000.0	12,701.0	7,790.0	123.7	124.6	157.59	-36.4	-4,872.6	854.5	733.9	120.62	7.085		
12,000.0	7,000.0	12,801.0	7,790.0	126.1	127.0	157.65	-40.5	-4,972.6	854.2	731.4	122.75	6.958		
12,100.0	7,000.0	12,901.0	7,790.0	128.5	129.4	157.71	-44.7	-5,072.5	853.8	728.9	124.89	6.836		
12,200.0	7,000.0	13,001.1	7,790.0	130.9	131.8	157.77	-48.9	-5,172.4	853.4	726.4	127.02	6.719		
12,300.0	7,000.0	13,101.1	7,790.0	133.3	134.1	157.83	-53.0	-5,272.3	853.1	723.9	129.14	6.606		
12,400.0	7,000.0	13,201.1	7,790.0	135.7	136.5	157.89	-57.2	-5,372.2	852.7	721.5	131.26	6.496		
12,500.0	7,000.0	13,301.1	7,790.0	138.1	138.9	157.95	-61.3	-5,472.1	852.4	719.0	133.38	6.391		
12,600.0	7,000.0	13,401.1	7,790.0	140.5	141.3	158.00	-65.5	-5,572.0	852.0	716.5	135.49	6.288		
12,700.0	7,000.0	13,501.1	7,790.0	143.0	143.7	158.06	-69.6	-5,671.9	851.7	714.1	137.59	6.190		
12,800.0	7,000.0	13,601.1	7,790.0	145.4	146.1	158.12	-73.8	-5,771.8	851.3	711.6	139.69	6.094		
12,900.0	7,000.0	13,701.1	7,790.0	147.8	148.5	158.18	-77.9	-5,871.7	851.0	709.2	141.79	6.002		
13,000.0	7,000.0	13,801.1	7,790.0	150.2	150.9	158.24	-82.1	-5,971.6	850.6	706.7	143.88	5.912		
13,100.0	7,000.0	13,901.1	7,790.0	152.6	153.3	158.30	-86.3	-6,071.6	850.3	704.3	145.96	5.825		
13,200.0	7,000.0	14,001.1	7,790.0	155.0	155.7	158.36	-90.4	-6,171.5	849.9	701.9	148.04	5.741		
13,300.0	7,000.0	14,101.1	7,790.0	157.4	158.1	158.42	-94.6	-6,271.4	849.6	699.5	150.11	5.660		
13,400.0	7,000.0	14,201.1	7,790.0	159.8	160.5	158.48	-98.7	-6,371.3	849.2	697.0	152.18	5.580		
13,500.0	7,000.0	14,301.1	7,790.0	162.3	162.9	158.54	-102.9	-6,471.2	848.9	694.6	154.24	5.504		
13,600.0	7,000.0	14,401.1	7,790.0	164.7	165.3	158.60	-107.0	-6,571.1	848.5	692.2	156.30	5.429		
13,700.0	7,000.0	14,501.1	7,790.0	167.1	167.7	158.66	-111.2	-6,671.0	848.2	689.8	158.35	5.356		
13,800.0	7,000.0	14,601.1	7,790.0	169.5	170.2	158.72	-115.3	-6,770.9	847.8	687.4	160.39	5.286		
13,900.0	7,000.0	14,701.1	7,790.0	171.9	172.6	158.78	-119.5	-6,870.8	847.5	685.1	162.43	5.218		
14,000.0	7,000.0	14,798.9	7,790.0	174.4	174.9	158.83	-123.7	-6,970.7	847.2	682.7	164.44	5.152		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design David Edelstein - David Edelstein State Com #123H - Wellbore #1 - State Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	7,000.0	14,901.1	7,790.0	176.8	177.4	158.89	-127.8	-7,070.6	846.8	680.3	166.49	5.086		
14,200.0	7,000.0	15,001.1	7,790.0	179.2	179.8	158.95	-132.0	-7,170.6	846.5	678.0	168.51	5.023		
14,300.0	7,000.0	15,101.1	7,790.0	181.6	182.2	159.01	-136.1	-7,270.5	846.1	675.6	170.53	4.962		
14,400.0	7,000.0	15,201.2	7,790.0	184.0	184.6	159.07	-140.3	-7,370.4	845.8	673.3	172.54	4.902		
14,500.0	7,000.0	15,301.2	7,790.0	186.5	187.1	159.13	-144.4	-7,470.3	845.5	670.9	174.54	4.844		
14,600.0	7,000.0	15,401.2	7,790.0	188.9	189.5	159.19	-148.6	-7,570.2	845.1	668.6	176.54	4.787		
14,700.0	7,000.0	15,501.2	7,790.0	191.3	191.9	159.25	-152.7	-7,670.1	844.8	666.3	178.53	4.732		
14,800.0	7,000.0	15,601.2	7,790.0	193.7	194.3	159.31	-156.9	-7,770.0	844.5	663.9	180.52	4.678		
14,900.0	7,000.0	15,701.2	7,790.0	196.2	196.7	159.37	-161.0	-7,869.9	844.1	661.6	182.50	4.625		
15,000.0	7,000.0	15,801.2	7,790.0	198.6	199.1	159.43	-165.2	-7,969.8	843.8	659.3	184.47	4.574		
15,100.0	7,000.0	15,898.8	7,790.0	201.0	201.5	159.49	-169.4	-8,069.7	843.5	657.0	186.42	4.525		
15,200.0	7,000.0	16,001.2	7,790.0	203.5	204.0	159.55	-173.5	-8,169.6	843.1	654.7	188.40	4.475		
15,300.0	7,000.0	16,101.2	7,790.0	205.9	206.4	159.61	-177.7	-8,269.6	842.8	652.4	190.36	4.427		
15,400.0	7,000.0	16,201.2	7,790.0	208.3	208.8	159.67	-181.8	-8,369.5	842.5	650.2	192.31	4.381		
15,500.0	7,000.0	16,301.2	7,790.0	210.7	211.2	159.73	-186.0	-8,469.4	842.1	647.9	194.26	4.335		
15,600.0	7,000.0	16,401.2	7,790.0	213.2	213.7	159.79	-190.1	-8,569.3	841.8	645.6	196.19	4.291		
15,700.0	7,000.0	16,498.8	7,790.0	215.6	216.0	159.85	-194.3	-8,669.2	841.5	643.4	198.10	4.248		
15,800.0	7,000.0	16,601.2	7,790.0	218.0	218.5	159.92	-198.4	-8,769.1	841.2	641.1	200.05	4.205		
15,900.0	7,000.0	16,701.2	7,790.0	220.5	220.9	159.98	-202.6	-8,869.0	840.8	638.9	201.97	4.163		
16,000.0	7,000.0	16,801.2	7,790.0	222.9	223.4	160.04	-206.8	-8,968.9	840.5	636.6	203.89	4.122		
16,100.0	7,000.0	16,901.2	7,790.0	225.3	225.8	160.10	-210.9	-9,068.8	840.2	634.4	205.79	4.083		
16,200.0	7,000.0	17,001.2	7,790.0	227.7	228.2	160.16	-215.1	-9,168.7	839.9	632.2	207.70	4.044		
16,300.0	7,000.0	17,101.2	7,790.0	230.2	230.6	160.22	-219.2	-9,268.6	839.5	630.0	209.59	4.006		
16,400.0	7,000.0	17,201.2	7,790.0	232.6	233.1	160.28	-223.4	-9,368.6	839.2	627.7	211.48	3.968		
16,500.0	7,000.0	17,301.2	7,790.0	235.0	235.5	160.34	-227.5	-9,468.5	838.9	625.5	213.37	3.932		
16,600.0	7,000.0	17,401.3	7,790.0	237.5	237.9	160.40	-231.7	-9,568.4	838.6	623.3	215.24	3.896		
16,700.0	7,000.0	17,501.3	7,790.0	239.9	240.3	160.46	-235.8	-9,668.3	838.3	621.2	217.12	3.861		
16,800.0	7,000.0	17,601.3	7,790.0	242.3	242.8	160.52	-240.0	-9,768.2	838.0	619.0	218.98	3.827		
16,900.0	7,000.0	17,701.3	7,790.0	244.8	245.2	160.58	-244.2	-9,868.1	837.6	616.8	220.84	3.793		
17,000.0	7,000.0	17,801.3	7,790.0	247.2	247.6	160.64	-248.3	-9,968.0	837.3	614.6	222.69	3.760		
17,100.0	7,000.0	17,901.3	7,790.0	249.6	250.1	160.71	-252.5	-10,067.9	837.0	612.5	224.54	3.728		
17,200.0	7,000.0	18,001.3	7,790.0	252.1	252.5	160.77	-256.6	-10,167.8	836.7	610.3	226.38	3.696		
17,288.0	7,000.0	18,086.7	7,790.0	254.2	254.6	160.82	-260.3	-10,255.7	836.4	608.5	227.97	3.669		
17,292.9	7,000.0	18,080.6	7,790.0	254.3	254.4	160.82	-260.0	-10,249.6	836.5	608.5	227.97	3.669		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-135.00	-30.0	-30.0	42.4					
100.0	100.0	100.0	100.0	0.1	0.1	-135.00	-30.0	-30.0	42.4	42.2	0.26	165.544		
200.0	200.0	200.0	200.0	0.5	0.5	-135.00	-30.0	-30.0	42.4	41.5	0.97	43.596		
300.0	300.0	300.0	300.0	0.8	0.8	-135.00	-30.0	-30.0	42.4	40.7	1.69	25.104		
400.0	400.0	400.0	400.0	1.2	1.2	-135.00	-30.0	-30.0	42.4	40.0	2.41	17.627		
500.0	500.0	500.0	500.0	1.6	1.6	-135.00	-30.0	-30.0	42.4	39.3	3.12	13.582 CC		
600.0	600.0	599.6	599.6	1.9	1.9	-136.01	-30.8	-29.8	42.9	39.0	3.82	11.210 ES		
700.0	700.0	699.2	699.2	2.3	2.2	-138.92	-33.3	-29.1	44.2	39.7	4.51	9.798		
800.0	800.0	798.6	798.5	2.6	2.6	-143.35	-37.5	-27.9	46.8	41.5	5.21	8.968		
900.0	900.0	897.9	897.6	3.0	2.9	-148.77	-43.3	-26.3	50.7	44.8	5.92	8.568		
1,000.0	1,000.0	996.9	996.3	3.4	3.3	-154.54	-50.7	-24.2	56.3	49.7	6.62	8.504		
1,100.0	1,100.0	1,095.8	1,094.7	3.7	3.6	57.31	-59.8	-21.6	63.3	56.0	7.31	8.661		
1,200.0	1,200.0	1,194.4	1,192.7	4.0	4.0	53.70	-70.5	-18.6	71.1	63.1	7.99	8.904		
1,300.0	1,299.9	1,292.9	1,290.4	4.4	4.4	51.16	-82.7	-15.1	79.5	70.9	8.67	9.175		
1,400.0	1,399.7	1,391.2	1,387.6	4.7	4.8	49.42	-96.6	-11.2	88.5	79.1	9.36	9.454		
1,500.0	1,499.4	1,489.3	1,484.4	5.1	5.2	48.29	-112.0	-6.9	97.8	87.7	10.05	9.732		
1,600.0	1,598.9	1,588.6	1,582.2	5.4	5.6	47.76	-128.7	-2.2	107.0	96.2	10.76	9.941		
1,700.0	1,698.3	1,688.3	1,680.4	5.8	6.0	47.94	-145.5	2.5	115.1	103.6	11.49	10.010		
1,800.0	1,797.4	1,788.1	1,778.6	6.1	6.4	48.72	-162.2	7.3	122.0	109.7	12.24	9.965		
1,900.0	1,896.4	1,887.8	1,876.8	6.5	6.9	49.75	-179.0	12.0	128.3	115.3	13.00	9.875		
2,000.0	1,995.5	1,987.6	1,975.0	6.9	7.3	50.68	-195.8	16.7	134.7	121.0	13.76	9.792		
2,100.0	2,094.5	2,087.4	2,073.3	7.3	7.7	51.53	-212.6	21.5	141.2	126.6	14.53	9.715		
2,200.0	2,193.5	2,187.2	2,171.5	7.7	8.2	52.31	-229.4	26.2	147.6	132.3	15.31	9.644		
2,300.0	2,292.5	2,286.9	2,269.7	8.1	8.6	53.02	-246.2	30.9	154.1	138.0	16.09	9.578		
2,400.0	2,391.6	2,386.7	2,368.0	8.5	9.1	53.67	-263.0	35.7	160.6	143.8	16.88	9.517		
2,500.0	2,490.6	2,486.5	2,466.2	8.9	9.5	54.28	-279.8	40.4	167.2	149.5	17.67	9.461		
2,600.0	2,589.6	2,586.2	2,564.4	9.3	10.0	54.83	-296.5	45.1	173.7	155.2	18.46	9.408		
2,700.0	2,688.6	2,686.0	2,662.7	9.7	10.4	55.35	-313.3	49.9	180.3	161.0	19.26	9.359		
2,800.0	2,787.7	2,785.8	2,760.9	10.1	10.9	55.83	-330.1	54.6	186.8	166.8	20.06	9.313		
2,900.0	2,886.7	2,885.6	2,859.2	10.5	11.3	56.28	-346.9	59.3	193.4	172.6	20.87	9.270		
3,000.0	2,985.7	2,985.3	2,957.4	10.9	11.8	56.69	-363.7	64.1	200.0	178.4	21.67	9.229		
3,100.0	3,084.8	3,085.1	3,055.6	11.3	12.2	57.08	-380.5	68.8	206.6	184.2	22.48	9.191		
3,200.0	3,183.8	3,184.9	3,153.9	11.7	12.7	57.45	-397.3	73.5	213.3	190.0	23.29	9.156		
3,300.0	3,282.8	3,284.6	3,252.1	12.1	13.1	57.80	-414.1	78.3	219.9	195.8	24.11	9.122		
3,400.0	3,381.8	3,384.4	3,350.3	12.6	13.6	58.12	-430.8	83.0	226.5	201.6	24.92	9.090		
3,500.0	3,480.9	3,484.2	3,448.6	13.0	14.0	58.43	-447.6	87.7	233.2	207.4	25.73	9.060		
3,600.0	3,579.9	3,584.0	3,546.8	13.4	14.5	58.72	-464.4	92.4	239.8	213.3	26.55	9.032		
3,700.0	3,678.9	3,683.7	3,645.0	13.8	14.9	58.99	-481.2	97.2	246.5	219.1	27.37	9.005		
3,800.0	3,777.9	3,783.5	3,743.3	14.2	15.4	59.25	-498.0	101.9	253.1	224.9	28.19	8.980		
3,900.0	3,877.0	3,883.3	3,841.5	14.6	15.8	59.49	-514.8	106.6	259.8	230.8	29.01	8.955		
4,000.0	3,976.0	3,983.0	3,939.7	15.1	16.3	59.73	-531.6	111.4	266.4	236.6	29.83	8.932		
4,100.0	4,075.0	4,082.8	4,038.0	15.5	16.7	59.95	-548.3	116.1	273.1	242.5	30.65	8.911		
4,140.4	4,115.0	4,123.1	4,077.7	15.6	16.9	60.04	-555.1	118.0	275.8	244.8	30.98	8.902		
4,200.0	4,174.1	4,182.6	4,136.2	15.9	17.2	60.13	-565.1	120.8	280.0	248.6	31.47	8.899		
4,300.0	4,273.5	4,282.2	4,234.3	16.3	17.6	59.95	-581.9	125.6	288.1	255.9	32.25	8.935		
4,400.0	4,373.1	4,381.7	4,332.3	16.7	18.1	59.35	-598.6	130.3	297.6	264.6	32.99	9.020		
4,500.0	4,473.0	4,481.0	4,430.0	17.0	18.5	58.41	-615.3	135.0	308.4	274.7	33.69	9.154		
4,600.0	4,572.9	4,579.9	4,527.4	17.4	19.0	57.16	-632.0	139.7	320.8	286.4	34.36	9.336		
4,673.7	4,646.6	4,652.6	4,599.0	17.6	19.3	-160.76	-644.2	143.1	330.9	296.1	34.82	9.503		
4,700.0	4,672.9	4,678.5	4,624.5	17.7	19.4	-161.21	-648.6	144.4	334.7	299.7	34.98	9.568		
4,800.0	4,772.9	4,776.9	4,721.4	18.0	19.9	-162.83	-665.1	149.0	349.3	313.7	35.60	9.813		
4,900.0	4,872.9	4,875.4	4,818.3	18.3	20.3	-164.32	-681.7	153.7	364.2	328.0	36.22	10.055		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	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	4,972.9	4,973.8	4,915.3	18.6	20.8	-165.69	-698.3	158.4	379.3	342.4	36.85	10.293		
5,100.0	5,072.9	5,072.3	5,012.2	19.0	21.2	-166.95	-714.8	163.0	394.5	357.1	37.48	10.526		
5,200.0	5,172.9	5,170.8	5,109.2	19.3	21.7	-168.13	-731.4	167.7	410.0	371.9	38.12	10.755		
5,300.0	5,272.9	5,269.2	5,206.1	19.6	22.1	-169.21	-748.0	172.4	425.6	386.9	38.77	10.978		
5,400.0	5,372.9	5,367.7	5,303.1	19.9	22.6	-170.23	-764.5	177.0	441.4	402.0	39.42	11.196		
5,500.0	5,472.9	5,466.1	5,400.0	20.2	23.0	-171.17	-781.1	181.7	457.3	417.2	40.08	11.409		
5,600.0	5,572.9	5,564.6	5,497.0	20.6	23.5	-172.04	-797.7	186.4	473.3	432.5	40.74	11.617		
5,700.0	5,672.9	5,663.1	5,593.9	20.9	23.9	-172.87	-814.2	191.1	489.3	447.9	41.40	11.819		
5,800.0	5,772.9	5,761.5	5,690.8	21.2	24.4	-173.63	-830.8	195.7	505.5	463.5	42.07	12.016		
5,900.0	5,872.9	5,860.0	5,787.8	21.5	24.8	-174.35	-847.4	200.4	521.8	479.1	42.75	12.207		
6,000.0	5,972.9	5,958.4	5,884.7	21.9	25.3	-175.03	-863.9	205.1	538.2	494.7	43.42	12.394		
6,100.0	6,072.9	6,056.9	5,981.7	22.2	25.7	-175.67	-880.5	209.7	554.6	510.5	44.10	12.576		
6,200.0	6,172.9	6,155.4	6,078.6	22.5	26.2	-176.27	-897.1	214.4	571.0	526.3	44.78	12.752		
6,300.0	6,272.9	6,253.8	6,175.6	22.8	26.6	-176.84	-913.6	219.1	587.6	542.1	45.46	12.924		
6,400.0	6,372.9	6,352.3	6,272.5	23.2	27.1	-177.37	-930.2	223.7	604.2	558.0	46.15	13.092		
6,454.1	6,427.0	6,405.6	6,325.0	23.4	27.3	-177.65	-939.2	226.3	613.2	566.7	46.52	13.181		
6,500.0	6,472.8	6,450.6	6,369.3	23.5	27.5	-95.11	-946.7	228.4	621.0	574.2	46.82	13.263		
6,550.0	6,522.4	6,501.0	6,416.9	23.6	27.7	-95.00	-954.9	230.7	630.0	582.8	47.12	13.369		
6,600.0	6,571.3	6,546.4	6,463.6	23.8	28.0	-95.16	-962.9	232.9	639.5	592.1	47.38	13.498		
6,650.0	6,619.1	6,592.4	6,508.9	23.9	28.2	-95.54	-970.6	235.1	649.7	602.1	47.61	13.646		
6,700.0	6,665.4	6,637.3	6,553.2	24.0	28.4	-96.07	-978.2	237.3	660.9	613.1	47.84	13.816		
6,750.0	6,709.9	6,688.4	6,603.6	24.1	28.6	-97.05	-986.4	239.6	673.0	624.8	48.11	13.987		
6,800.0	6,752.3	6,737.2	6,651.7	24.2	28.8	-98.07	-993.6	241.6	685.9	637.6	48.38	14.179		
6,850.0	6,792.1	6,783.3	6,697.3	24.3	29.0	-99.04	-999.9	243.4	700.2	651.5	48.64	14.396		
6,900.0	6,829.2	6,826.2	6,739.9	24.4	29.2	-99.87	-1,005.3	244.9	716.0	667.1	48.91	14.640		
6,950.0	6,863.3	6,865.8	6,779.2	24.5	29.3	-100.44	-1,009.9	246.2	733.7	684.5	49.19	14.916		
7,000.0	6,894.0	6,901.5	6,814.7	24.6	29.5	-100.65	-1,013.7	247.3	753.5	704.0	49.49	15.224		
7,050.0	6,921.1	6,933.1	6,846.2	24.7	29.6	-100.42	-1,016.7	248.1	775.5	725.7	49.82	15.567		
7,100.0	6,944.5	6,960.3	6,873.3	24.9	29.7	-99.64	-1,019.2	248.8	799.9	749.7	50.16	15.946		
7,150.0	6,964.0	6,982.9	6,895.7	25.1	29.8	-98.22	-1,021.1	249.4	826.6	776.0	50.52	16.360		
7,200.0	6,979.4	7,000.4	6,913.2	25.4	29.9	-96.08	-1,022.5	249.7	855.5	804.6	50.89	16.810		
7,250.0	6,990.5	7,012.7	6,925.4	25.8	29.9	-93.16	-1,023.4	250.0	886.4	835.1	51.26	17.293		
7,300.0	6,997.4	7,019.7	6,932.4	26.2	29.9	-89.41	-1,023.9	250.1	919.1	867.5	51.61	17.807		
7,354.1	7,000.0	7,020.9	6,933.6	26.7	29.9	-84.45	-1,024.0	250.2	956.1	904.1	51.98	18.395		
7,400.0	7,000.0	7,019.1	6,931.8	27.1	29.9	-84.39	-1,023.8	250.1	988.4	936.1	52.27	18.908		
7,500.0	7,000.0	7,015.4	6,928.2	28.2	29.9	-84.30	-1,023.6	250.1	1,060.5	1,007.6	52.92	20.038		
7,600.0	7,000.0	7,012.0	6,924.7	29.5	29.9	-84.25	-1,023.3	250.0	1,134.6	1,081.1	53.55	21.186		
7,700.0	7,000.0	7,008.9	6,921.6	30.9	29.9	-84.25	-1,023.1	249.9	1,210.3	1,156.1	54.16	22.347		
7,800.0	7,000.0	8,618.6	7,790.0	32.4	36.5	-129.61	-1,184.4	-721.5	1,239.2	1,189.5	49.72	24.922		
7,838.6	7,000.0	8,657.2	7,790.0	33.0	37.0	-129.59	-1,186.0	-760.1	1,239.7	1,189.0	50.69	24.455		
7,900.0	7,000.0	8,718.6	7,790.0	34.0	37.8	-129.57	-1,188.5	-821.4	1,240.1	1,187.9	52.26	23.728		
8,000.0	7,000.0	8,818.6	7,790.0	35.8	39.2	-129.54	-1,192.7	-921.3	1,240.9	1,185.9	54.96	22.577		
8,100.0	7,000.0	8,918.6	7,790.0	37.6	40.8	-129.52	-1,196.8	-1,021.2	1,241.6	1,183.8	57.80	21.480		
8,200.0	7,000.0	9,018.6	7,790.0	39.4	42.4	-129.49	-1,201.0	-1,121.1	1,242.3	1,181.6	60.76	20.445		
8,300.0	7,000.0	9,118.6	7,790.0	41.4	44.1	-129.46	-1,205.1	-1,221.0	1,243.1	1,179.2	63.83	19.474		
8,400.0	7,000.0	9,218.6	7,790.0	43.4	45.9	-129.43	-1,209.3	-1,321.0	1,243.8	1,176.8	66.99	18.567		
8,500.0	7,000.0	9,318.6	7,790.0	45.4	47.8	-129.40	-1,213.5	-1,420.9	1,244.5	1,174.3	70.23	17.721		
8,600.0	7,000.0	9,418.6	7,790.0	47.5	49.7	-129.38	-1,217.6	-1,520.8	1,245.3	1,171.7	73.54	16.933		
8,700.0	7,000.0	9,518.6	7,790.0	49.6	51.6	-129.35	-1,221.8	-1,620.7	1,246.0	1,169.1	76.91	16.201		
8,800.0	7,000.0	9,618.6	7,790.0	51.7	53.6	-129.32	-1,225.9	-1,720.6	1,246.7	1,166.4	80.33	15.519		
8,900.0	7,000.0	9,718.6	7,790.0	53.9	55.7	-129.29	-1,230.1	-1,820.5	1,247.5	1,163.7	83.81	14.885		
9,000.0	7,000.0	9,818.6	7,790.0	56.0	57.7	-129.27	-1,234.3	-1,920.4	1,248.2	1,160.9	87.32	14.295		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,100.0	7,000.0	9,918.6	7,790.0	58.3	59.8	-129.24	-1,238.4	-2,020.3	1,248.9	1,158.1	90.87	13.744		
9,200.0	7,000.0	10,018.6	7,790.0	60.5	61.9	-129.21	-1,242.6	-2,120.2	1,249.7	1,155.2	94.46	13.230		
9,300.0	7,000.0	10,118.6	7,790.0	62.7	64.1	-129.18	-1,246.7	-2,220.1	1,250.4	1,152.3	98.07	12.750		
9,400.0	7,000.0	10,218.6	7,790.0	65.0	66.2	-129.16	-1,250.9	-2,320.0	1,251.1	1,149.4	101.72	12.300		
9,500.0	7,000.0	10,318.6	7,790.0	67.2	68.4	-129.13	-1,255.1	-2,420.0	1,251.9	1,146.5	105.38	11.879		
9,600.0	7,000.0	10,418.5	7,790.0	69.5	70.6	-129.10	-1,259.2	-2,519.9	1,252.6	1,143.5	109.07	11.484		
9,700.0	7,000.0	10,518.5	7,790.0	71.8	72.8	-129.07	-1,263.4	-2,619.8	1,253.3	1,140.6	112.79	11.113		
9,800.0	7,000.0	10,618.5	7,790.0	74.1	75.1	-129.05	-1,267.5	-2,719.7	1,254.1	1,137.6	116.52	10.763		
9,900.0	7,000.0	10,718.5	7,790.0	76.4	77.3	-129.02	-1,271.7	-2,819.6	1,254.8	1,134.6	120.26	10.434		
10,000.0	7,000.0	10,818.5	7,790.0	78.7	79.5	-128.99	-1,275.9	-2,919.5	1,255.6	1,131.5	124.03	10.123		
10,100.0	7,000.0	10,918.5	7,790.0	81.1	81.8	-128.97	-1,280.0	-3,019.4	1,256.3	1,128.5	127.80	9.830		
10,200.0	7,000.0	11,018.5	7,790.0	83.4	84.1	-128.94	-1,284.2	-3,119.3	1,257.0	1,125.4	131.60	9.552		
10,300.0	7,000.0	11,118.5	7,790.0	85.7	86.4	-128.91	-1,288.3	-3,219.2	1,257.8	1,122.4	135.40	9.289		
10,400.0	7,000.0	11,218.5	7,790.0	88.1	88.7	-128.88	-1,292.5	-3,319.1	1,258.5	1,119.3	139.22	9.040		
10,500.0	7,000.0	11,318.5	7,790.0	90.4	91.0	-128.86	-1,296.7	-3,419.0	1,259.3	1,116.2	143.05	8.803		
10,600.0	7,000.0	11,418.5	7,790.0	92.8	93.3	-128.83	-1,300.8	-3,519.0	1,260.0	1,113.1	146.88	8.578		
10,700.0	7,000.0	11,518.5	7,790.0	95.2	95.6	-128.80	-1,305.0	-3,618.9	1,260.7	1,110.0	150.73	8.364		
10,800.0	7,000.0	11,618.5	7,790.0	97.5	97.9	-128.78	-1,309.1	-3,718.8	1,261.5	1,106.9	154.59	8.160		
10,900.0	7,000.0	11,718.5	7,790.0	99.9	100.2	-128.75	-1,313.3	-3,818.7	1,262.2	1,103.8	158.46	7.966		
11,000.0	7,000.0	11,818.5	7,790.0	102.3	102.6	-128.72	-1,317.5	-3,918.6	1,263.0	1,100.6	162.33	7.780		
11,100.0	7,000.0	11,918.5	7,790.0	104.6	104.9	-128.69	-1,321.6	-4,018.5	1,263.7	1,097.5	166.21	7.603		
11,200.0	7,000.0	12,018.5	7,790.0	107.0	107.2	-128.67	-1,325.8	-4,118.4	1,264.4	1,094.3	170.10	7.433		
11,300.0	7,000.0	12,118.5	7,790.0	109.4	109.6	-128.64	-1,329.9	-4,218.3	1,265.2	1,091.2	174.00	7.271		
11,400.0	7,000.0	12,218.5	7,790.0	111.8	111.9	-128.61	-1,334.1	-4,318.2	1,265.9	1,088.0	177.91	7.116		
11,500.0	7,000.0	12,318.5	7,790.0	114.2	114.3	-128.59	-1,338.2	-4,418.1	1,266.7	1,084.8	181.82	6.967		
11,600.0	7,000.0	12,418.5	7,790.0	116.6	116.6	-128.56	-1,342.4	-4,518.0	1,267.4	1,081.7	185.74	6.824		
11,700.0	7,000.0	12,518.5	7,790.0	118.9	119.0	-128.53	-1,346.6	-4,618.0	1,268.1	1,078.5	189.66	6.686		
11,800.0	7,000.0	12,618.4	7,790.0	121.3	121.4	-128.51	-1,350.7	-4,717.9	1,268.9	1,075.3	193.59	6.554		
11,900.0	7,000.0	12,718.4	7,790.0	123.7	123.7	-128.48	-1,354.9	-4,817.8	1,269.6	1,072.1	197.53	6.428		
12,000.0	7,000.0	12,818.4	7,790.0	126.1	126.1	-128.45	-1,359.0	-4,917.7	1,270.4	1,068.9	201.47	6.306		
12,100.0	7,000.0	12,918.4	7,790.0	128.5	128.5	-128.43	-1,363.2	-5,017.6	1,271.1	1,065.7	205.41	6.188		
12,200.0	7,000.0	13,018.4	7,790.0	130.9	130.9	-128.40	-1,367.4	-5,117.5	1,271.9	1,062.5	209.36	6.075		
12,300.0	7,000.0	13,118.4	7,790.0	133.3	133.2	-128.37	-1,371.5	-5,217.4	1,272.6	1,059.3	213.32	5.966		
12,400.0	7,000.0	13,218.4	7,790.0	135.7	135.6	-128.35	-1,375.7	-5,317.3	1,273.3	1,056.1	217.28	5.860		
12,500.0	7,000.0	13,318.4	7,790.0	138.1	138.0	-128.32	-1,379.8	-5,417.2	1,274.1	1,052.8	221.25	5.759		
12,600.0	7,000.0	13,418.4	7,790.0	140.5	140.4	-128.29	-1,384.0	-5,517.1	1,274.8	1,049.6	225.22	5.660		
12,700.0	7,000.0	13,518.4	7,790.0	143.0	142.8	-128.27	-1,388.2	-5,617.0	1,275.6	1,046.4	229.19	5.566		
12,800.0	7,000.0	13,618.4	7,790.0	145.4	145.2	-128.24	-1,392.3	-5,716.9	1,276.3	1,043.2	233.17	5.474		
12,900.0	7,000.0	13,718.4	7,790.0	147.8	147.6	-128.22	-1,396.5	-5,816.9	1,277.1	1,039.9	237.15	5.385		
13,000.0	7,000.0	13,818.4	7,790.0	150.2	149.9	-128.19	-1,400.6	-5,916.8	1,277.8	1,036.7	241.14	5.299		
13,100.0	7,000.0	13,918.4	7,790.0	152.6	152.3	-128.16	-1,404.8	-6,016.7	1,278.6	1,033.4	245.13	5.216		
13,200.0	7,000.0	14,018.4	7,790.0	155.0	154.7	-128.14	-1,409.0	-6,116.6	1,279.3	1,030.2	249.13	5.135		
13,300.0	7,000.0	14,118.4	7,790.0	157.4	157.1	-128.11	-1,413.1	-6,216.5	1,280.1	1,026.9	253.12	5.057		
13,400.0	7,000.0	14,218.4	7,790.0	159.8	159.5	-128.08	-1,417.3	-6,316.4	1,280.8	1,023.7	257.13	4.981		
13,500.0	7,000.0	14,318.4	7,790.0	162.3	161.9	-128.06	-1,421.4	-6,416.3	1,281.5	1,020.4	261.13	4.908		
13,600.0	7,000.0	14,418.4	7,790.0	164.7	164.3	-128.03	-1,425.6	-6,516.2	1,282.3	1,017.2	265.14	4.836		
13,700.0	7,000.0	14,518.4	7,790.0	167.1	166.7	-128.01	-1,429.8	-6,616.1	1,283.0	1,013.9	269.16	4.767		
13,800.0	7,000.0	14,618.4	7,790.0	169.5	169.1	-127.98	-1,433.9	-6,716.0	1,283.8	1,010.6	273.17	4.700		
13,900.0	7,000.0	14,718.4	7,790.0	171.9	171.5	-127.95	-1,438.1	-6,815.9	1,284.5	1,007.3	277.20	4.634		
14,000.0	7,000.0	14,818.4	7,790.0	174.4	173.9	-127.93	-1,442.2	-6,915.9	1,285.3	1,004.1	281.22	4.570		
14,100.0	7,000.0	14,918.3	7,790.0	176.8	176.4	-127.90	-1,446.4	-7,015.8	1,286.0	1,000.8	285.25	4.509		
14,200.0	7,000.0	15,018.3	7,790.0	179.2	178.8	-127.88	-1,450.6	-7,115.7	1,286.8	997.5	289.28	4.448		

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design David Edelstein - David Edelstein State Com #124H - Wellbore #1 - State Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,300.0	7,000.0	15,118.3	7,790.0	181.6	181.2	-127.85	-1,454.7	-7,215.6	1,287.5	994.2	293.31	4.390		
14,400.0	7,000.0	15,218.3	7,790.0	184.0	183.6	-127.82	-1,458.9	-7,315.5	1,288.3	990.9	297.35	4.333		
14,500.0	7,000.0	15,318.3	7,790.0	186.5	186.0	-127.80	-1,463.0	-7,415.4	1,289.0	987.6	301.39	4.277		
14,600.0	7,000.0	15,418.3	7,790.0	188.9	188.4	-127.77	-1,467.2	-7,515.3	1,289.8	984.4	305.43	4.223		
14,700.0	7,000.0	15,518.3	7,790.0	191.3	190.8	-127.75	-1,471.3	-7,615.2	1,290.5	981.1	309.48	4.170		
14,800.0	7,000.0	15,618.3	7,790.0	193.7	193.2	-127.72	-1,475.5	-7,715.1	1,291.3	977.8	313.53	4.119		
14,900.0	7,000.0	15,718.3	7,790.0	196.2	195.6	-127.69	-1,479.7	-7,815.0	1,292.0	974.5	317.58	4.068		
15,000.0	7,000.0	15,818.3	7,790.0	198.6	198.1	-127.67	-1,483.8	-7,914.9	1,292.8	971.2	321.63	4.019		
15,100.0	7,000.0	15,918.3	7,790.0	201.0	200.5	-127.64	-1,488.0	-8,014.9	1,293.5	967.8	325.69	3.972		
15,200.0	7,000.0	16,018.3	7,790.0	203.5	202.9	-127.62	-1,492.1	-8,114.8	1,294.3	964.5	329.75	3.925		
15,300.0	7,000.0	16,118.3	7,790.0	205.9	205.3	-127.59	-1,496.3	-8,214.7	1,295.0	961.2	333.82	3.880		
15,400.0	7,000.0	16,218.3	7,790.0	208.3	207.7	-127.57	-1,500.5	-8,314.6	1,295.8	957.9	337.88	3.835		
15,500.0	7,000.0	16,318.3	7,790.0	210.7	210.1	-127.54	-1,504.6	-8,414.5	1,296.5	954.6	341.95	3.792		
15,600.0	7,000.0	16,418.3	7,790.0	213.2	212.6	-127.52	-1,508.8	-8,514.4	1,297.3	951.3	346.02	3.749		
15,700.0	7,000.0	16,518.3	7,790.0	215.6	215.0	-127.49	-1,512.9	-8,614.3	1,298.1	948.0	350.10	3.708		
15,800.0	7,000.0	16,618.3	7,790.0	218.0	217.4	-127.46	-1,517.1	-8,714.2	1,298.8	944.6	354.18	3.667		
15,900.0	7,000.0	16,718.3	7,790.0	220.5	219.8	-127.44	-1,521.3	-8,814.1	1,299.6	941.3	358.26	3.627		
16,000.0	7,000.0	16,818.3	7,790.0	222.9	222.2	-127.41	-1,525.4	-8,914.0	1,300.3	938.0	362.34	3.589		
16,100.0	7,000.0	16,918.3	7,790.0	225.3	224.7	-127.39	-1,529.6	-9,013.9	1,301.1	934.6	366.43	3.551		
16,200.0	7,000.0	17,018.3	7,790.0	227.7	227.1	-127.36	-1,533.7	-9,113.9	1,301.8	931.3	370.51	3.514		
16,300.0	7,000.0	17,118.2	7,790.0	230.2	229.5	-127.34	-1,537.9	-9,213.8	1,302.6	928.0	374.60	3.477		
16,400.0	7,000.0	17,218.2	7,790.0	232.6	231.9	-127.31	-1,542.1	-9,313.7	1,303.3	924.6	378.70	3.442		
16,500.0	7,000.0	17,318.2	7,790.0	235.0	234.3	-127.29	-1,546.2	-9,413.6	1,304.1	921.3	382.79	3.407		
16,600.0	7,000.0	17,418.2	7,790.0	237.5	236.8	-127.26	-1,550.4	-9,513.5	1,304.8	917.9	386.89	3.373		
16,700.0	7,000.0	17,518.2	7,790.0	239.9	239.2	-127.24	-1,554.5	-9,613.4	1,305.6	914.6	390.99	3.339		
16,800.0	7,000.0	17,618.2	7,790.0	242.3	241.6	-127.21	-1,558.7	-9,713.3	1,306.4	911.3	395.10	3.306		
16,900.0	7,000.0	17,718.2	7,790.0	244.8	244.0	-127.19	-1,562.9	-9,813.2	1,307.1	907.9	399.20	3.274		
17,000.0	7,000.0	17,818.2	7,790.0	247.2	246.5	-127.16	-1,567.0	-9,913.1	1,307.9	904.6	403.31	3.243		
17,100.0	7,000.0	17,918.2	7,790.0	249.6	248.9	-127.14	-1,571.2	-10,013.0	1,308.6	901.2	407.42	3.212		
17,200.0	7,000.0	18,018.2	7,790.0	252.1	251.3	-127.11	-1,575.3	-10,112.9	1,309.4	897.8	411.54	3.182		
17,292.9	7,000.0	18,111.1	7,790.0	254.3	253.6	-127.09	-1,579.2	-10,205.7	1,310.1	894.7	415.36	3.154 SF		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3117.5usft

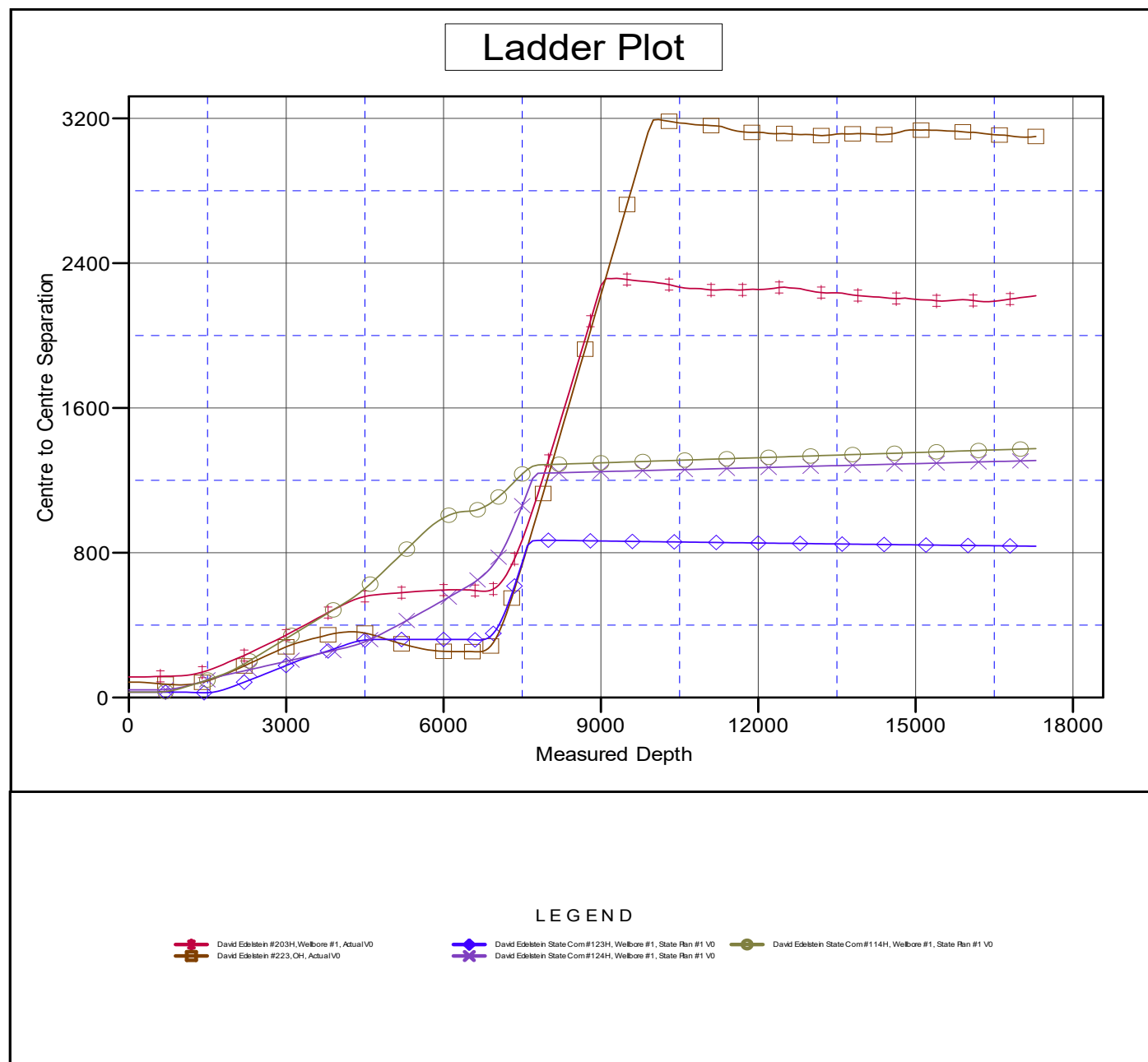
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #113H

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 #113H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3117.5usft

Offset Depths are relative to Offset Datum

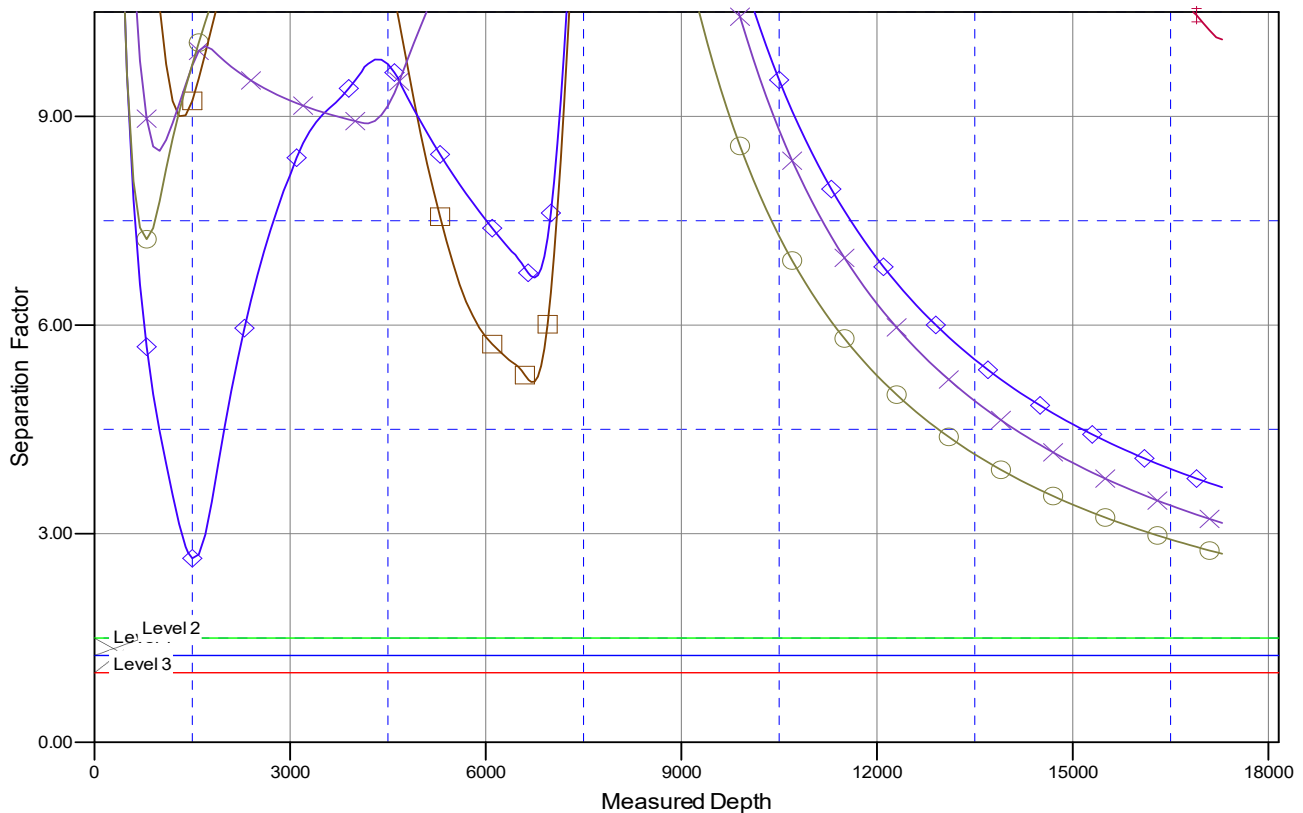
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #113H

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

Grid Convergence at Surface is: 0.11°

Separation Factor Plot



LEGEND

■ David Edelstein #203H Wellbore #1, Actual VO
◆ David Edelstein #223 OH, Actual VO
◆ David Edelstein State Com #123H, Wellbore #1, State Plan #1 VO
◆ David Edelstein State Com #124H, Wellbore #1, State Plan #1 VO
● David Edelstein State Com #114H, Wellbore #1, State Plan #1 VO

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #113H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

04 November, 2022

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	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 #113H					
Well Position	+N/-S	-80.0 usft	Northing:	447,580.00 usft	Latitude:	32° 13' 49.297 N
	+E/-W	30.0 usft	Easting:	561,025.00 usft	Longitude:	104° 8' 9.529 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,089.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/4/2022	6.63	59.91	47,333.10271326

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	267.01

Plan Survey Tool Program	Date	11/4/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,292.9	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	8.00	143.16	1,797.4	-44.6	33.4	1.00	1.00	0.00	143.16	
4,140.4	8.00	143.16	4,115.0	-305.3	228.7	0.00	0.00	0.00	0.00	
4,673.7	0.00	0.00	4,646.6	-335.0	251.0	1.50	-1.50	0.00	180.00	
6,454.1	0.00	0.00	6,427.0	-335.0	251.0	0.00	0.00	0.00	0.00	VP - David Edelstein
7,354.1	90.00	277.85	7,000.0	-256.8	-316.6	10.00	10.00	0.00	277.85	
7,838.6	90.00	268.16	7,000.0	-231.4	-799.8	2.00	0.00	-2.00	-90.00	
17,292.9	90.00	268.16	7,000.0	-535.0	-10,249.2	0.00	0.00	0.00	0.00	BHL - David Edelstein

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
Castile									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
1,100.0	1.00	143.16	1,100.0	-0.7	0.5	-0.5	1.00	1.00	0.00
1,200.0	2.00	143.16	1,200.0	-2.8	2.1	-1.9	1.00	1.00	0.00
1,300.0	3.00	143.16	1,299.9	-6.3	4.7	-4.4	1.00	1.00	0.00
1,400.0	4.00	143.16	1,399.7	-11.2	8.4	-7.8	1.00	1.00	0.00
1,500.0	5.00	143.16	1,499.4	-17.4	13.1	-12.1	1.00	1.00	0.00
1,600.0	6.00	143.16	1,598.9	-25.1	18.8	-17.5	1.00	1.00	0.00
1,700.0	7.00	143.16	1,698.3	-34.2	25.6	-23.8	1.00	1.00	0.00
1,800.0	8.00	143.16	1,797.4	-44.6	33.4	-31.1	1.00	1.00	0.00
Start 2340.4 hold at 1800.0 MD									
1,900.0	8.00	143.16	1,896.4	-55.8	41.8	-38.8	0.00	0.00	0.00
2,000.0	8.00	143.16	1,995.5	-66.9	50.1	-46.6	0.00	0.00	0.00
2,100.0	8.00	143.16	2,094.5	-78.0	58.5	-54.3	0.00	0.00	0.00
2,200.0	8.00	143.16	2,193.5	-89.2	66.8	-62.1	0.00	0.00	0.00
2,300.0	8.00	143.16	2,292.5	-100.3	75.2	-69.8	0.00	0.00	0.00
2,400.0	8.00	143.16	2,391.6	-111.5	83.5	-77.6	0.00	0.00	0.00
2,445.5	8.00	143.16	2,436.6	-116.5	87.3	-81.1	0.00	0.00	0.00
G30:CS14-CSB									
2,454.1	8.00	143.16	2,445.1	-117.5	88.0	-81.8	0.00	0.00	0.00
G26: Bell Cyn.									
2,500.0	8.00	143.16	2,490.6	-122.6	91.9	-85.3	0.00	0.00	0.00
2,600.0	8.00	143.16	2,589.6	-133.7	100.2	-93.1	0.00	0.00	0.00
2,700.0	8.00	143.16	2,688.6	-144.9	108.5	-100.8	0.00	0.00	0.00
2,800.0	8.00	143.16	2,787.7	-156.0	116.9	-108.6	0.00	0.00	0.00
2,900.0	8.00	143.16	2,886.7	-167.1	125.2	-116.3	0.00	0.00	0.00
3,000.0	8.00	143.16	2,985.7	-178.3	133.6	-124.1	0.00	0.00	0.00
3,100.0	8.00	143.16	3,084.8	-189.4	141.9	-131.9	0.00	0.00	0.00
3,200.0	8.00	143.16	3,183.8	-200.6	150.3	-139.6	0.00	0.00	0.00
3,272.0	8.00	143.16	3,255.1	-208.6	156.3	-145.2	0.00	0.00	0.00
G13: Cherry Cyn.									
3,300.0	8.00	143.16	3,282.8	-211.7	158.6	-147.4	0.00	0.00	0.00
3,400.0	8.00	143.16	3,381.8	-222.8	167.0	-155.1	0.00	0.00	0.00
3,500.0	8.00	143.16	3,480.9	-234.0	175.3	-162.9	0.00	0.00	0.00
3,600.0	8.00	143.16	3,579.9	-245.1	183.6	-170.6	0.00	0.00	0.00
3,700.0	8.00	143.16	3,678.9	-256.2	192.0	-178.4	0.00	0.00	0.00
3,800.0	8.00	143.16	3,777.9	-267.4	200.3	-186.1	0.00	0.00	0.00
3,900.0	8.00	143.16	3,877.0	-278.5	208.7	-193.9	0.00	0.00	0.00
4,000.0	8.00	143.16	3,976.0	-289.7	217.0	-201.6	0.00	0.00	0.00
4,100.0	8.00	143.16	4,075.0	-300.8	225.4	-209.4	0.00	0.00	0.00
4,140.4	8.00	143.16	4,115.0	-305.3	228.7	-212.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	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 Drop -1.50										
4,200.0	7.11	143.16	4,174.1	-311.6	233.4	-216.9	1.50	-1.50	0.00	
4,300.0	5.61	143.16	4,273.5	-320.4	240.1	-223.0	1.50	-1.50	0.00	
4,349.4	4.87	143.16	4,322.6	-324.0	242.8	-225.6	1.50	-1.50	0.00	
G7: Brushy Cyn.										
4,400.0	4.11	143.16	4,373.1	-327.2	245.2	-227.8	1.50	-1.50	0.00	
4,500.0	2.61	143.16	4,473.0	-331.9	248.7	-231.0	1.50	-1.50	0.00	
4,600.0	1.11	143.16	4,572.9	-334.5	250.6	-232.8	1.50	-1.50	0.00	
4,673.7	0.00	0.00	4,646.6	-335.0	251.0	-233.2	1.50	-1.50	0.00	
Start 1780.4 hold at 4673.7 MD										
4,700.0	0.00	0.00	4,672.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,772.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,872.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,972.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,072.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,172.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,272.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,372.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,472.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,572.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,672.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,772.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,872.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
5,940.1	0.00	0.00	5,913.0	-335.0	251.0	-233.2	0.00	0.00	0.00	
G4: BSGL (CS9)										
6,000.0	0.00	0.00	5,972.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,072.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,172.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,272.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,372.9	-335.0	251.0	-233.2	0.00	0.00	0.00	
6,454.1	0.00	0.00	6,427.0	-335.0	251.0	-233.2	0.00	0.00	0.00	
Start Build 10.00 - VP - David Edelstein State Com #113H										
6,500.0	4.59	277.85	6,472.8	-334.8	249.2	-231.4	10.00	10.00	0.00	
6,550.0	9.59	277.85	6,522.4	-334.0	243.1	-225.4	10.00	10.00	0.00	
6,600.0	14.59	277.85	6,571.3	-332.5	232.7	-215.1	10.00	10.00	0.00	
6,627.0	17.29	277.85	6,597.3	-331.5	225.4	-207.8	10.00	10.00	0.00	
L5.3: FBSC										
6,650.0	19.59	277.85	6,619.1	-330.5	218.2	-200.7	10.00	10.00	0.00	
6,700.0	24.59	277.85	6,665.4	-327.9	199.6	-182.2	10.00	10.00	0.00	
6,750.0	29.59	277.85	6,709.9	-324.8	177.0	-159.8	10.00	10.00	0.00	
6,800.0	34.59	277.85	6,752.3	-321.2	150.7	-133.8	10.00	10.00	0.00	
6,850.0	39.59	277.85	6,792.1	-317.1	120.8	-104.2	10.00	10.00	0.00	
6,900.0	44.59	277.85	6,829.2	-312.5	87.7	-71.2	10.00	10.00	0.00	
6,931.8	47.77	277.85	6,851.2	-309.4	64.9	-48.7	10.00	10.00	0.00	
FTP - David Edelstein State Com #113H										
6,950.0	49.59	277.85	6,863.3	-307.5	51.4	-35.3	10.00	10.00	0.00	
7,000.0	54.59	277.85	6,894.0	-302.1	12.3	3.4	10.00	10.00	0.00	
7,019.2	56.51	277.85	6,904.8	-300.0	-3.4	19.0	10.00	10.00	0.00	
L5.1: FBSC										
7,021.9	56.78	277.85	6,906.3	-299.7	-5.6	21.2	10.00	10.00	0.00	
L5.1: FBSC										
7,050.0	59.59	277.85	6,921.1	-296.4	-29.2	44.7	10.00	10.00	0.00	
7,100.0	64.59	277.85	6,944.5	-290.4	-73.0	88.0	10.00	10.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,150.0	69.59	277.85	6,964.0	-284.1	-118.6	133.3	10.00	10.00	0.00
7,200.0	74.59	277.85	6,979.4	-277.6	-165.7	180.0	10.00	10.00	0.00
7,250.0	79.59	277.85	6,990.5	-270.9	-214.0	227.8	10.00	10.00	0.00
7,300.0	84.59	277.85	6,997.4	-264.2	-263.0	276.5	10.00	10.00	0.00
7,354.1	90.00	277.85	7,000.0	-256.8	-316.6	329.5	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
7,400.0	90.00	276.93	7,000.0	-250.9	-362.1	374.7	2.00	0.00	-2.00
7,500.0	90.00	274.93	7,000.0	-240.6	-461.5	473.4	2.00	0.00	-2.00
7,600.0	90.00	272.93	7,000.0	-233.7	-561.3	572.7	2.00	0.00	-2.00
7,700.0	90.00	270.93	7,000.0	-230.3	-661.2	672.3	2.00	0.00	-2.00
7,800.0	90.00	268.93	7,000.0	-230.4	-761.2	772.2	2.00	0.00	-2.00
7,838.6	90.00	268.16	7,000.0	-231.4	-799.8	810.8	2.00	0.00	-2.00
Start 9454.3 hold at 7838.6 MD									
7,900.0	90.00	268.16	7,000.0	-233.4	-861.2	872.2	0.00	0.00	0.00
8,000.0	90.00	268.16	7,000.0	-236.6	-961.1	972.2	0.00	0.00	0.00
8,100.0	90.00	268.16	7,000.0	-239.8	-1,061.1	1,072.1	0.00	0.00	0.00
8,200.0	90.00	268.16	7,000.0	-243.0	-1,161.0	1,172.1	0.00	0.00	0.00
8,300.0	90.00	268.16	7,000.0	-246.2	-1,261.0	1,272.1	0.00	0.00	0.00
8,400.0	90.00	268.16	7,000.0	-249.4	-1,360.9	1,372.1	0.00	0.00	0.00
8,500.0	90.00	268.16	7,000.0	-252.7	-1,460.9	1,472.1	0.00	0.00	0.00
8,600.0	90.00	268.16	7,000.0	-255.9	-1,560.8	1,572.0	0.00	0.00	0.00
8,700.0	90.00	268.16	7,000.0	-259.1	-1,660.8	1,672.0	0.00	0.00	0.00
8,800.0	90.00	268.16	7,000.0	-262.3	-1,760.7	1,772.0	0.00	0.00	0.00
8,900.0	90.00	268.16	7,000.0	-265.5	-1,860.7	1,872.0	0.00	0.00	0.00
9,000.0	90.00	268.16	7,000.0	-268.7	-1,960.6	1,972.0	0.00	0.00	0.00
9,100.0	90.00	268.16	7,000.0	-271.9	-2,060.6	2,071.9	0.00	0.00	0.00
9,200.0	90.00	268.16	7,000.0	-275.1	-2,160.5	2,171.9	0.00	0.00	0.00
9,300.0	90.00	268.16	7,000.0	-278.3	-2,260.5	2,271.9	0.00	0.00	0.00
9,400.0	90.00	268.16	7,000.0	-281.6	-2,360.4	2,371.9	0.00	0.00	0.00
9,500.0	90.00	268.16	7,000.0	-284.8	-2,460.4	2,471.9	0.00	0.00	0.00
9,600.0	90.00	268.16	7,000.0	-288.0	-2,560.3	2,571.8	0.00	0.00	0.00
9,700.0	90.00	268.16	7,000.0	-291.2	-2,660.2	2,671.8	0.00	0.00	0.00
9,800.0	90.00	268.16	7,000.0	-294.4	-2,760.2	2,771.8	0.00	0.00	0.00
9,900.0	90.00	268.16	7,000.0	-297.6	-2,860.1	2,871.8	0.00	0.00	0.00
10,000.0	90.00	268.16	7,000.0	-300.8	-2,960.1	2,971.8	0.00	0.00	0.00
10,100.0	90.00	268.16	7,000.0	-304.0	-3,060.0	3,071.7	0.00	0.00	0.00
10,200.0	90.00	268.16	7,000.0	-307.2	-3,160.0	3,171.7	0.00	0.00	0.00
10,300.0	90.00	268.16	7,000.0	-310.5	-3,259.9	3,271.7	0.00	0.00	0.00
10,400.0	90.00	268.16	7,000.0	-313.7	-3,359.9	3,371.7	0.00	0.00	0.00
10,500.0	90.00	268.16	7,000.0	-316.9	-3,459.8	3,471.7	0.00	0.00	0.00
10,600.0	90.00	268.16	7,000.0	-320.1	-3,559.8	3,571.6	0.00	0.00	0.00
10,700.0	90.00	268.16	7,000.0	-323.3	-3,659.7	3,671.6	0.00	0.00	0.00
10,800.0	90.00	268.16	7,000.0	-326.5	-3,759.7	3,771.6	0.00	0.00	0.00
10,900.0	90.00	268.16	7,000.0	-329.7	-3,859.6	3,871.6	0.00	0.00	0.00
11,000.0	90.00	268.16	7,000.0	-332.9	-3,959.6	3,971.6	0.00	0.00	0.00
11,100.0	90.00	268.16	7,000.0	-336.1	-4,059.5	4,071.5	0.00	0.00	0.00
11,200.0	90.00	268.16	7,000.0	-339.4	-4,159.5	4,171.5	0.00	0.00	0.00
11,300.0	90.00	268.16	7,000.0	-342.6	-4,259.4	4,271.5	0.00	0.00	0.00
11,400.0	90.00	268.16	7,000.0	-345.8	-4,359.4	4,371.5	0.00	0.00	0.00
11,500.0	90.00	268.16	7,000.0	-349.0	-4,459.3	4,471.4	0.00	0.00	0.00
11,600.0	90.00	268.16	7,000.0	-352.2	-4,559.3	4,571.4	0.00	0.00	0.00
11,700.0	90.00	268.16	7,000.0	-355.4	-4,659.2	4,671.4	0.00	0.00	0.00
11,800.0	90.00	268.16	7,000.0	-358.6	-4,759.2	4,771.4	0.00	0.00	0.00
11,900.0	90.00	268.16	7,000.0	-361.8	-4,859.1	4,871.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,000.0	90.00	268.16	7,000.0	-365.0	-4,959.1	4,971.3	0.00	0.00	0.00	
12,100.0	90.00	268.16	7,000.0	-368.3	-5,059.0	5,071.3	0.00	0.00	0.00	
12,200.0	90.00	268.16	7,000.0	-371.5	-5,159.0	5,171.3	0.00	0.00	0.00	
12,300.0	90.00	268.16	7,000.0	-374.7	-5,258.9	5,271.3	0.00	0.00	0.00	
12,400.0	90.00	268.16	7,000.0	-377.9	-5,358.9	5,371.3	0.00	0.00	0.00	
12,500.0	90.00	268.16	7,000.0	-381.1	-5,458.8	5,471.2	0.00	0.00	0.00	
12,600.0	90.00	268.16	7,000.0	-384.3	-5,558.8	5,571.2	0.00	0.00	0.00	
12,700.0	90.00	268.16	7,000.0	-387.5	-5,658.7	5,671.2	0.00	0.00	0.00	
12,800.0	90.00	268.16	7,000.0	-390.7	-5,758.6	5,771.2	0.00	0.00	0.00	
12,900.0	90.00	268.16	7,000.0	-393.9	-5,858.6	5,871.2	0.00	0.00	0.00	
13,000.0	90.00	268.16	7,000.0	-397.2	-5,958.5	5,971.1	0.00	0.00	0.00	
13,100.0	90.00	268.16	7,000.0	-400.4	-6,058.5	6,071.1	0.00	0.00	0.00	
13,200.0	90.00	268.16	7,000.0	-403.6	-6,158.4	6,171.1	0.00	0.00	0.00	
13,300.0	90.00	268.16	7,000.0	-406.8	-6,258.4	6,271.1	0.00	0.00	0.00	
13,400.0	90.00	268.16	7,000.0	-410.0	-6,358.3	6,371.1	0.00	0.00	0.00	
13,500.0	90.00	268.16	7,000.0	-413.2	-6,458.3	6,471.0	0.00	0.00	0.00	
13,600.0	90.00	268.16	7,000.0	-416.4	-6,558.2	6,571.0	0.00	0.00	0.00	
13,700.0	90.00	268.16	7,000.0	-419.6	-6,658.2	6,671.0	0.00	0.00	0.00	
13,800.0	90.00	268.16	7,000.0	-422.8	-6,758.1	6,771.0	0.00	0.00	0.00	
13,900.0	90.00	268.16	7,000.0	-426.1	-6,858.1	6,871.0	0.00	0.00	0.00	
14,000.0	90.00	268.16	7,000.0	-429.3	-6,958.0	6,970.9	0.00	0.00	0.00	
14,100.0	90.00	268.16	7,000.0	-432.5	-7,058.0	7,070.9	0.00	0.00	0.00	
14,200.0	90.00	268.16	7,000.0	-435.7	-7,157.9	7,170.9	0.00	0.00	0.00	
14,300.0	90.00	268.16	7,000.0	-438.9	-7,257.9	7,270.9	0.00	0.00	0.00	
14,400.0	90.00	268.16	7,000.0	-442.1	-7,357.8	7,370.9	0.00	0.00	0.00	
14,500.0	90.00	268.16	7,000.0	-445.3	-7,457.8	7,470.8	0.00	0.00	0.00	
14,600.0	90.00	268.16	7,000.0	-448.5	-7,557.7	7,570.8	0.00	0.00	0.00	
14,700.0	90.00	268.16	7,000.0	-451.7	-7,657.7	7,670.8	0.00	0.00	0.00	
14,800.0	90.00	268.16	7,000.0	-455.0	-7,757.6	7,770.8	0.00	0.00	0.00	
14,900.0	90.00	268.16	7,000.0	-458.2	-7,857.6	7,870.8	0.00	0.00	0.00	
15,000.0	90.00	268.16	7,000.0	-461.4	-7,957.5	7,970.7	0.00	0.00	0.00	
15,100.0	90.00	268.16	7,000.0	-464.6	-8,057.5	8,070.7	0.00	0.00	0.00	
15,200.0	90.00	268.16	7,000.0	-467.8	-8,157.4	8,170.7	0.00	0.00	0.00	
15,300.0	90.00	268.16	7,000.0	-471.0	-8,257.4	8,270.7	0.00	0.00	0.00	
15,400.0	90.00	268.16	7,000.0	-474.2	-8,357.3	8,370.7	0.00	0.00	0.00	
15,500.0	90.00	268.16	7,000.0	-477.4	-8,457.3	8,470.6	0.00	0.00	0.00	
15,600.0	90.00	268.16	7,000.0	-480.7	-8,557.2	8,570.6	0.00	0.00	0.00	
15,700.0	90.00	268.16	7,000.0	-483.9	-8,657.2	8,670.6	0.00	0.00	0.00	
15,800.0	90.00	268.16	7,000.0	-487.1	-8,757.1	8,770.6	0.00	0.00	0.00	
15,900.0	90.00	268.16	7,000.0	-490.3	-8,857.1	8,870.6	0.00	0.00	0.00	
16,000.0	90.00	268.16	7,000.0	-493.5	-8,957.0	8,970.5	0.00	0.00	0.00	
16,100.0	90.00	268.16	7,000.0	-496.7	-9,056.9	9,070.5	0.00	0.00	0.00	
16,200.0	90.00	268.16	7,000.0	-499.9	-9,156.9	9,170.5	0.00	0.00	0.00	
16,300.0	90.00	268.16	7,000.0	-503.1	-9,256.8	9,270.5	0.00	0.00	0.00	
16,400.0	90.00	268.16	7,000.0	-506.3	-9,356.8	9,370.5	0.00	0.00	0.00	
16,500.0	90.00	268.16	7,000.0	-509.6	-9,456.7	9,470.4	0.00	0.00	0.00	
16,600.0	90.00	268.16	7,000.0	-512.8	-9,556.7	9,570.4	0.00	0.00	0.00	
16,700.0	90.00	268.16	7,000.0	-516.0	-9,656.6	9,670.4	0.00	0.00	0.00	
16,800.0	90.00	268.16	7,000.0	-519.2	-9,756.6	9,770.4	0.00	0.00	0.00	
16,900.0	90.00	268.16	7,000.0	-522.4	-9,856.5	9,870.4	0.00	0.00	0.00	
17,000.0	90.00	268.16	7,000.0	-525.6	-9,956.5	9,970.3	0.00	0.00	0.00	
17,100.0	90.00	268.16	7,000.0	-528.8	-10,056.4	10,070.3	0.00	0.00	0.00	
17,200.0	90.00	268.16	7,000.0	-532.0	-10,156.4	10,170.3	0.00	0.00	0.00	
17,292.9	90.00	268.16	7,000.0	-535.0	-10,249.2	10,263.2	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #113H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #113H	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)
TD at 17292.9 - BHL - David Edelstein State Com #113H									

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 Sta - hit/miss target - Shape - Point	0.00	0.00	6,427.0	-335.0	251.0	447,245.00	561,276.00	32° 13' 45.978 N	104° 8' 6.614 W
FTP - David Edelstein S - plan misses target center by 203.2usft at 6931.8usft MD (6851.2 TVD, -309.4 N, 64.9 E) - Point	0.00	0.00	7,000.0	-335.0	201.0	447,245.00	561,226.00	32° 13' 45.979 N	104° 8' 7.196 W
BHL - David Edelstein S - plan hits target center - Point	0.00	0.00	7,000.0	-535.0	-10,249.2	447,045.00	550,776.00	32° 13' 44.174 N	104° 10' 8.860 W

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
760.0	760.0	Castile		0.00	268.16
2,445.5	2,436.6	G30:CS14-CSB		0.00	268.16
2,454.1	2,445.1	G26: Bell Cyn.		0.00	268.16
3,272.0	3,255.1	G13: Cherry Cyn.		0.00	268.16
4,349.4	4,322.6	G7: Brushy Cyn.		0.00	268.16
5,940.1	5,913.0	G4: BSG (CS9)		0.00	268.16
6,627.0	6,597.3	L5.3: FBSC		0.00	268.16
7,019.2	6,904.8	L5.1: FBSG		0.00	268.16
7,021.9	6,906.3	L5.1: FBSG		0.00	268.16

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,000.0	1,000.0	0.0	0.0	Start Build 1.00
1,800.0	1,797.4	-44.6	33.4	Start 2340.4 hold at 1800.0 MD
4,140.4	4,115.0	-305.3	228.7	Start Drop -1.50
4,673.7	4,646.6	-335.0	251.0	Start 1780.4 hold at 4673.7 MD
6,454.1	6,427.0	-335.0	251.0	Start Build 10.00
7,354.1	7,000.0	-256.8	-316.6	Start DLS 2.00 TFO -90.00
7,838.6	7,000.0	-231.4	-799.8	Start 9454.3 hold at 7838.6 MD
17,292.9	7,000.0	-535.0	-10,249.2	TD at 17292.9

Addendum to Natural Gas Management Plan for Matador's

David Edelstein State Com 123H and 113H

VI. Separation Equipment

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

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
David Edelstein State Com 113H	1,100	3,500	4,500
David Edelstein State Com 123H	1,100	2,500	3,600

VII. Operation Practices

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

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

VII. Best Management Practices

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

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

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

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

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

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
David Edelstein State Com 113H	TBD	12-24S-27E	1,996' FSL 300' FEL	1,100	3,500	4,500
David Edelstein State Com 123H	TBD	12-24S-27E	1,996' FSL 330' FEL	1,100	2,500	3,600

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

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

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
David Edelstein State Com 113H	TBD	11/06/2023	11/23/2023	11/06/2023	12/06/2023	12/06/2023
David Edelstein State Com 123H	TBD	10/21/2023	11/05/2023	11/06/2023	12/06/2023	12/06/2023

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

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

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

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

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