U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

04/05/2021

Well Name: VONI FED COM

Well Location: T26S / R31E / SEC 21 / NENW / 32.0345792 / -103.7849369

County or Parish/State: EDDY / NM

Well Number: 132H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM138866

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001546986

Well Status: Approved Application for Permit to Drill

Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 03/08/2021

Time Sundry Submitted: 10:05

Date proposed operation will begin: 06/01/2021

Procedure Description: BLM Bond No. NMB001079 Surety Bond No. RLB0015172 Matador requests the option to amend the casing and cement design to the attached plan. Add option to slim down 9-5/8” casing to 7-5/8” casing and deepen. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions. Matador also requests the BHL be revised from 100' FSL and 1981' FWL to 100' FSL and 1650' FWL of Sec. 33; 26S 31E. See attached C-102 and directional surveys.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Voni_Fed_Com_132H_Directional_AC_Report_v3_20210308100347.pdf

Voni_Fed_Com_132H_Directional_Well_Plan_v3_20210308100346.pdf

Voni_Fed_Com_132H_Directional_Wall_Plot_v3_20210308100346.pdf

LO_VONI_FED_COM_132H_REV4_C_102_S_20210308095422.pdf

Voni_Fed_Com_132H_Drill_Plan_20210308095422.pdf

Voni_Fed_Com_132H_Casing_Table_Spec_20210308095422.pdf

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Conditions of Approval

Additional Reviews

VONI_FED_COM_132H_SUNDRY___COA_20210317120117.pdf

VONI_FED_COM_132H_SUNDRY___Drilling_Calculations_20210317120107.pdf

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: FITZGERALD

Signed on: MAR 08, 2021 09:59 AM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory

Street Address: 5400 LBJ FREEWAY STE 1500

City: DALLAS **State:** TX

Phone: (972) 371-5448

Email address: nicky.fitzgerald@matadorresources.com

Field Representative

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 04/05/2021

Signature: Chris Walls

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**MATADOR PRODUCTION COMPANY**
LEASE NO.:	**NMNM138866**
WELL NAME & NO.:	VONI FED COM 132H SUNDRY
SURFACE HOLE FOOTAGE:	320'/N & 2210'/E
BOTTOM HOLE FOOTAGE	100'/S & 1650'/ E
LOCATION:	Section 21, T.26 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

H2S	○ Yes	◉ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	○ Low	○ Medium	◉ High
Cave/Karst Potential	○ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☑ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☑ COM	☐ Unit

ALL Previous COAs Still Apply.

A. CASING

1. The **7-5/8** inch intermediate casing shall be set at approximately **9879 feet**. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

   Option 1 (Single Stage):

   - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

   Option 2:

   Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

   a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.

b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.
  Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

❖ **Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

Operator has proposed to pump down 13-3/8" X 7-5/8" annulus. Operator must run a CBL from TD of the Choose an item.**" casing to surface. Submit results to BLM.**

RI03172021

VONI FED COM 132H SUNDRY

13 3/8 surface csg in a 17 1/2 inch hole. Design Factors Surface

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	J 55	BTC	14.69	2.32	0.57	1,066	6	1.03	4.47	58,097
w/8.4#/g mud, 30min Sfc Csg Test psig:	1,446		Tail Cmt	does not	circ to sfc.	Totals:	1,066				58,097

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	760	1222	740	65	8.80	2644	3M	1.56

Class 'C' tail cmt yield above 1.35.

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK. Site plat (pipe racks S or E) as per O.O.1.III.D.4.i. not found.

7 5/8 casing inside the 13 3/8 Design Factors Int 1

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	P 110	BTC	3.21	1.11	1.83	9,879	2	3.34	2.02	293,406
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	9,879				293,406

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1066 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
9 7/8	0.2148	910	2852	2480	15	9.40	2838	3M	0.69

Class 'H' tail cmt yld > 1.20

More cement may be needed , Casing must be 1//3 fluid filled during drilling.

Tail cmt

5 1/2 casing inside the 7 5/8 Design Factors Prod 1

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	P 110	TLW	3.34	2.52	2.78	23,081	3	5.06	4.58	461,620
w/8.4#/g mud, 30min Sfc Csg Test psig:	2,327					Totals:	23,081				461,620

The cement volume(s) are intended to achieve a top of 9679 ft from surface or a 200 overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
6 3/4	0.0835	910	1229	1121	10	9.40			0.44

Class 'C' tail cmt yld > 1.35

More cement may be needed.

#N/A

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 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	[3]Pool Name
30-015-46986	97860	JENNINGS; BONE SPRING, WEST

[4]Property Code	[5]Property Name	[6]Well Number
328098	VONI FED COM	132H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3185'

[10]Surface Location

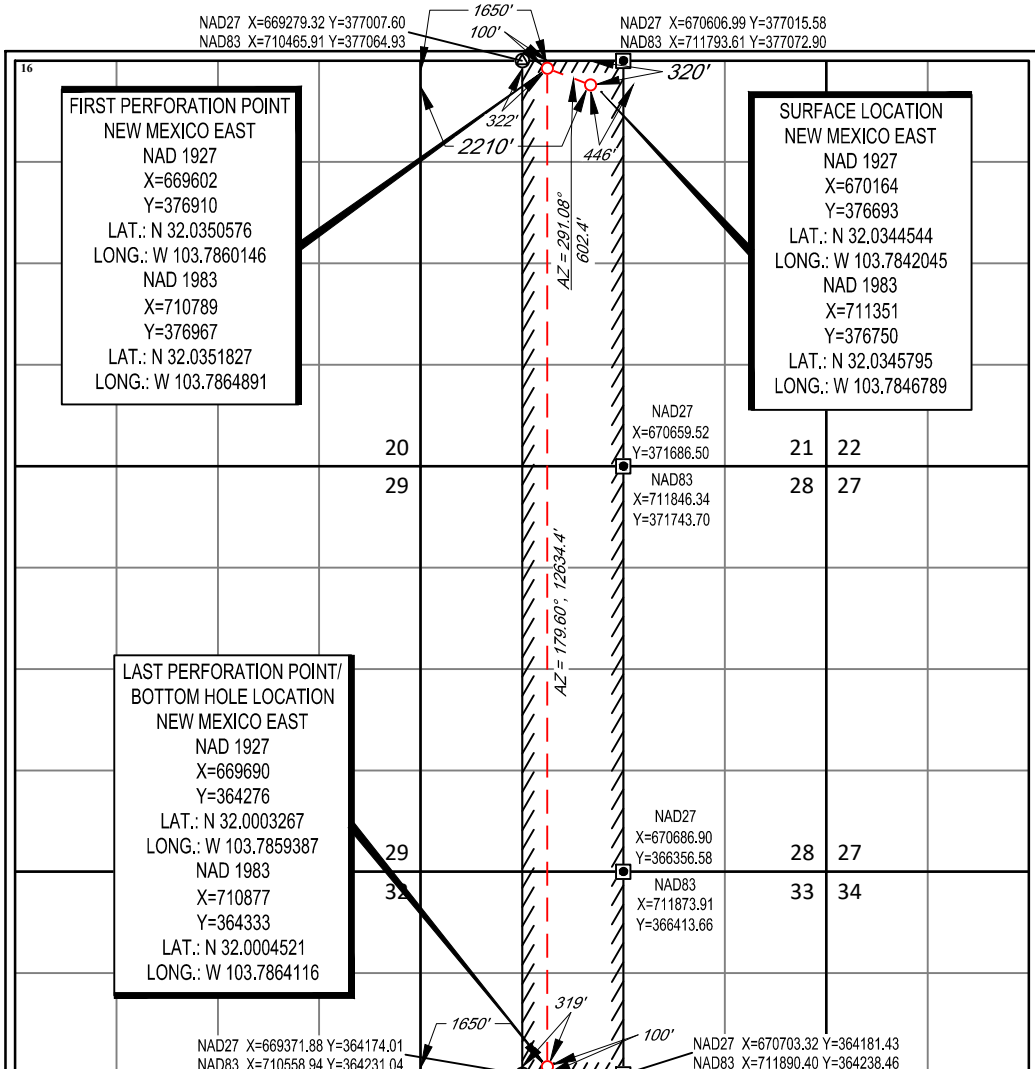
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	26-S	31-E	-	320'	NORTH	2210'	WEST	EDDY

[11]Bottom 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
3	33	26-S	31-E	-	100'	SOUTH	1650'	WEST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
385.33			

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 unleased 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.

Nicky Fitzgerald 03/08/2021
Signature Date

Nicky Fitzgerald
Printed Name

nicky.fitzgerald@matadorresources.com
E-mail Address

[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.

02/05/2021
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\VONI_FEDERAL_21-26S-31E\FINAL_PRODUCTS\LO_VONI_FED_COM_132H_REV4.DWG 2/12/2021 7:32:10 AM adisabella

Casing Table Specification Sheet

Voni Fed Com 132H
SHL: 320' FNL & 2210' FWL Section 21
BHL: 100' FSL & 1650' FWL Section 33
Township/Range: 26S 31E
Elevation Above Sea Level: 3185

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1066	0 - 1066	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9879	0 - 9856	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 23081	0 - 10579	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

Rustler Breaks
Voni
Voni Fed Com #132H

Wellbore #1
BLM Plan #2

Anticollision Report

24 February, 2021

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Reference BLM Plan #2

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	**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** 2/24/2021

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	23,081.2	BLM Plan #2 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Flowers Federal SWD						
Flowers SWD #3 - Wellbore #1 - BLM Plan #1	11,569.3	10,585.0	804.1	725.6	10.245	CC, ES
Flowers SWD #3 - Wellbore #1 - BLM Plan #1	11,600.0	10,585.0	804.8	726.1	10.217	SF
Voni						
Voni Fed Com #022H - Wellbore #1 - BLM Plan #1	5,118.9	5,124.4	45.9	7.7	1.200	Level 2, CC, ES, SF
Voni Fed Com #102H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	94.9	84.6	9.223	CC, ES
Voni Fed Com #102H - Wellbore #1 - BLM Plan #1	5,300.0	5,305.2	142.6	103.1	3.614	SF
Voni Fed Com #106H - Wellbore #1 - BLM Plan #1	1,500.0	1,501.0	90.1	79.8	8.746	CC
Voni Fed Com #106H - Wellbore #1 - BLM Plan #1	1,600.0	1,600.9	90.7	79.7	8.236	ES
Voni Fed Com #106H - Wellbore #1 - BLM Plan #1	8,200.0	8,191.4	350.4	292.0	5.992	SF
Voni Fed Com #112H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	42.5	32.2	4.132	CC
Voni Fed Com #112H - Wellbore #1 - BLM Plan #1	2,100.0	2,104.2	44.2	29.6	3.043	ES
Voni Fed Com #112H - Wellbore #1 - BLM Plan #1	2,500.0	2,505.3	50.5	33.1	2.898	SF
Voni Fed Com #122H - Wellbore #1 - Actual	2,421.1	2,416.1	85.0	68.4	5.119	CC, ES
Voni Fed Com #122H - Wellbore #1 - Actual	9,459.8	9,452.4	144.2	77.7	2.169	SF
Voni Fed Com #202H - Wellbore #1 - Actual	0.0	1.0	113.9			
Voni Fed Com #202H - Wellbore #1 - Actual	4,061.7	4,052.2	121.6	92.2	4.130	ES
Voni Fed Com #202H - Wellbore #1 - Actual	10,335.8	10,329.5	171.9	99.4	2.373	SF
Voni Fed Com #216H - Wellbore #1 - Actual	0.0	0.0	85.4			
Voni Fed Com #216H - Wellbore #1 - Actual	2,025.5	2,026.0	91.4	77.5	6.606	ES
Voni Fed Com #216H - Wellbore #1 - Actual	22,952.1	23,935.0	1,108.4	831.8	4.007	SF
Voni Fed Com #222H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	30.0	19.8	2.919	CC
Voni Fed Com #222H - Wellbore #1 - BLM Plan #1	1,600.0	1,600.2	30.3	19.3	2.757	ES
Voni Fed Com #222H - Wellbore #1 - BLM Plan #1	1,800.0	1,800.6	32.7	20.2	2.631	SF
Voni Fed Com #226H - Wellbore #1 - BLM Plan #1	600.0	600.0	100.0	96.1	26.028	CC
Voni Fed Com #226H - Wellbore #1 - BLM Plan #1	800.0	799.2	100.7	95.5	19.112	ES
Voni Fed Com #226H - Wellbore #1 - BLM Plan #1	10,100.0	10,105.5	439.3	367.3	6.094	SF
Voni Fed Com #242H - Wellbore #1 - BLM Plan #1	10,029.6	10,033.9	82.0	10.5	1.146	Level 2, CC
Voni Fed Com #242H - Wellbore #1 - BLM Plan #1	10,050.0	10,054.3	82.1	10.4	1.146	Level 2, ES, SF

Anticollision Report

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Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Flowers Federal SWD - Flowers SWD #3 - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	6.0	6.0	0.0	0.0	-122.03	-841.6	-1,345.2	1,586.8				
100.0	100.0	106.0	106.0	0.1	0.1	-122.03	-841.6	-1,345.2	1,586.8	1,586.5	0.28	5,711.658	
200.0	200.0	206.0	206.0	0.5	0.5	-122.03	-841.6	-1,345.2	1,586.8	1,585.8	0.99	1,595.149	
300.0	300.0	306.0	306.0	0.8	0.9	-122.03	-841.6	-1,345.2	1,586.8	1,585.1	1.71	927.024	
400.0	400.0	406.0	406.0	1.2	1.2	-122.03	-841.6	-1,345.2	1,586.8	1,584.4	2.43	653.364	
500.0	500.0	506.0	506.0	1.6	1.6	-122.03	-841.6	-1,345.2	1,586.8	1,583.6	3.15	504.449	
600.0	600.0	606.0	606.0	1.9	1.9	-122.03	-841.6	-1,345.2	1,586.8	1,582.9	3.86	410.816	
700.0	700.0	706.0	706.0	2.3	2.3	-122.03	-841.6	-1,345.2	1,586.8	1,582.2	4.58	346.500	
800.0	800.0	806.0	806.0	2.6	2.7	-122.03	-841.6	-1,345.2	1,586.8	1,581.5	5.30	299.597	
900.0	900.0	906.0	906.0	3.0	3.0	-122.03	-841.6	-1,345.2	1,586.8	1,580.8	6.01	263.877	
1,000.0	1,000.0	1,006.0	1,006.0	3.4	3.4	-122.03	-841.6	-1,345.2	1,586.8	1,580.1	6.73	235.768	
1,100.0	1,100.0	1,106.0	1,106.0	3.7	3.7	-122.03	-841.6	-1,345.2	1,586.8	1,579.3	7.45	213.071	
1,200.0	1,200.0	1,206.0	1,206.0	4.1	4.1	-122.03	-841.6	-1,345.2	1,586.8	1,578.6	8.16	194.360	
1,300.0	1,300.0	1,306.0	1,306.0	4.4	4.5	-122.03	-841.6	-1,345.2	1,586.8	1,577.9	8.88	178.670	
1,400.0	1,400.0	1,406.0	1,406.0	4.8	4.8	-122.03	-841.6	-1,345.2	1,586.8	1,577.2	9.60	165.324	
1,500.0	1,500.0	1,506.0	1,506.0	5.1	5.2	-122.03	-841.6	-1,345.2	1,586.8	1,576.5	10.32	153.833	
1,600.0	1,600.0	1,606.0	1,606.0	5.5	5.5	-78.88	-841.6	-1,345.2	1,586.6	1,575.6	11.03	143.853	
1,700.0	1,700.0	1,706.0	1,706.0	5.9	5.9	-78.98	-841.6	-1,345.2	1,586.1	1,574.4	11.74	135.083	
1,800.0	1,799.9	1,805.9	1,805.9	6.2	6.2	-79.14	-841.6	-1,345.2	1,585.3	1,572.8	12.45	127.283	
1,900.0	1,899.7	1,905.7	1,905.7	6.6	6.6	-79.37	-841.6	-1,345.2	1,584.1	1,571.0	13.17	120.294	
2,000.0	1,999.4	2,005.4	2,005.4	6.9	7.0	-79.66	-841.6	-1,345.2	1,582.7	1,568.8	13.88	113.988	
2,100.0	2,098.9	2,104.9	2,104.9	7.3	7.3	-80.02	-841.6	-1,345.2	1,581.0	1,566.4	14.60	108.263	
2,200.0	2,198.3	2,204.3	2,204.3	7.7	7.7	-80.44	-841.6	-1,345.2	1,579.1	1,563.8	15.33	103.036	
2,300.0	2,297.4	2,303.4	2,303.4	8.0	8.0	-80.93	-841.6	-1,345.2	1,577.0	1,560.9	16.05	98.239	
2,400.0	2,396.4	2,402.4	2,402.4	8.4	8.4	-81.42	-841.6	-1,345.2	1,574.8	1,558.0	16.78	93.828	
2,500.0	2,495.5	2,501.5	2,501.5	8.8	8.7	-81.92	-841.6	-1,345.2	1,572.8	1,555.2	17.52	89.774	
2,600.0	2,594.5	2,600.5	2,600.5	9.2	9.1	-82.42	-841.6	-1,345.2	1,570.8	1,552.6	18.26	86.036	
2,700.0	2,693.5	2,700.5	2,699.5	9.6	9.5	-82.91	-841.6	-1,345.2	1,569.1	1,550.1	19.00	82.567	
2,800.0	2,792.5	2,801.5	2,798.5	10.0	9.8	-83.41	-841.6	-1,345.2	1,567.4	1,547.6	19.76	79.341	
2,900.0	2,891.6	2,902.4	2,897.6	10.3	10.2	-83.92	-841.6	-1,345.2	1,565.8	1,545.3	20.51	76.348	
3,000.0	2,990.6	3,003.4	2,996.6	10.7	10.5	-84.42	-841.6	-1,345.2	1,564.4	1,543.1	21.27	73.566	
3,100.0	3,089.6	3,104.4	3,095.6	11.1	10.9	-84.92	-841.6	-1,345.2	1,563.1	1,541.1	22.02	70.974	
3,200.0	3,188.6	3,205.4	3,194.6	11.5	11.3	-85.42	-841.6	-1,345.2	1,561.9	1,539.1	22.78	68.555	
3,300.0	3,287.7	3,306.3	3,293.7	11.9	11.6	-85.93	-841.6	-1,345.2	1,560.9	1,537.3	23.54	66.293	
3,400.0	3,386.7	3,407.3	3,392.7	12.3	12.0	-86.43	-841.6	-1,345.2	1,559.9	1,535.6	24.31	64.173	
3,500.0	3,485.7	3,508.3	3,491.7	12.7	12.3	-86.94	-841.6	-1,345.2	1,559.1	1,534.0	25.07	62.185	
3,600.0	3,584.8	3,609.2	3,590.8	13.1	12.7	-87.44	-841.6	-1,345.2	1,558.4	1,532.6	25.84	60.316	
3,700.0	3,683.8	3,689.8	3,689.8	13.5	13.0	-87.95	-841.6	-1,345.2	1,557.9	1,531.3	26.53	58.719	
3,800.0	3,782.8	3,788.8	3,788.8	13.9	13.4	-88.46	-841.6	-1,345.2	1,557.4	1,530.1	27.29	57.067	
3,900.0	3,881.8	3,887.8	3,887.8	14.3	13.7	-88.96	-841.6	-1,345.2	1,557.1	1,529.0	28.05	55.507	
4,000.0	3,980.9	3,986.9	3,986.9	14.8	14.1	-89.47	-841.6	-1,345.2	1,556.9	1,528.1	28.81	54.033	
4,100.0	4,079.9	4,085.9	4,085.9	15.2	14.4	-89.98	-841.6	-1,345.2	1,556.8	1,527.3	29.58	52.637	
4,104.2	4,084.0	4,110.0	4,090.0	15.2	14.5	-90.00	-841.6	-1,345.2	1,556.8	1,527.2	29.68	52.454	
4,200.0	4,178.9	4,184.9	4,184.9	15.6	14.8	-90.49	-841.6	-1,345.2	1,556.9	1,526.6	30.34	51.315	
4,283.5	4,261.6	4,267.6	4,267.6	15.9	15.1	-90.91	-841.6	-1,345.2	1,557.0	1,526.1	30.98	50.263	
4,300.0	4,277.9	4,283.9	4,283.9	16.0	15.1	-90.99	-841.6	-1,345.2	1,557.1	1,526.0	31.10	50.061	
4,400.0	4,377.2	4,383.2	4,383.2	16.4	15.5	-91.44	-841.6	-1,345.2	1,557.3	1,525.5	31.86	48.882	
4,500.0	4,476.7	4,482.7	4,482.7	16.8	15.8	-91.80	-841.6	-1,345.2	1,557.6	1,525.0	32.60	47.775	
4,600.0	4,576.5	4,582.5	4,582.5	17.1	16.2	-92.06	-841.6	-1,345.2	1,557.8	1,524.5	33.33	46.735	
4,700.0	4,676.4	4,682.4	4,682.4	17.5	16.6	-92.22	-841.6	-1,345.2	1,558.0	1,524.0	34.05	45.756	
4,800.0	4,776.4	4,782.4	4,782.4	17.8	16.9	-92.28	-841.6	-1,345.2	1,558.1	1,523.3	34.75	44.831	
4,816.9	4,793.2	4,800.8	4,799.2	17.9	17.0	-135.47	-841.6	-1,345.2	1,558.1	1,523.2	34.88	44.673	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Flowers Federal SWD - Flowers SWD #3 - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,876.4	4,882.4	4,882.4	18.2	17.3	-135.47	-841.6	-1,345.2	1,558.1	1,522.6	35.45	43.952	
5,000.0	4,976.4	4,982.4	4,982.4	18.5	17.6	-135.47	-841.6	-1,345.2	1,558.1	1,521.9	36.15	43.105	
5,100.0	5,076.4	5,082.4	5,082.4	18.9	18.0	-135.47	-841.6	-1,345.2	1,558.1	1,521.2	36.84	42.290	
5,200.0	5,176.4	5,182.4	5,182.4	19.2	18.3	-135.47	-841.6	-1,345.2	1,558.1	1,520.5	37.54	41.504	
5,300.0	5,276.4	5,282.4	5,282.4	19.5	18.7	-135.47	-841.6	-1,345.2	1,558.1	1,519.8	38.24	40.747	
5,400.0	5,376.4	5,382.4	5,382.4	19.9	19.1	-135.47	-841.6	-1,345.2	1,558.1	1,519.1	38.94	40.015	
5,500.0	5,476.4	5,482.4	5,482.4	20.2	19.4	-135.47	-841.6	-1,345.2	1,558.1	1,518.4	39.64	39.309	
5,600.0	5,576.4	5,582.4	5,582.4	20.6	19.8	-135.47	-841.6	-1,345.2	1,558.1	1,517.7	40.34	38.627	
5,700.0	5,676.4	5,682.4	5,682.4	20.9	20.1	-135.47	-841.6	-1,345.2	1,558.1	1,517.0	41.04	37.967	
5,800.0	5,776.4	5,782.4	5,782.4	21.2	20.5	-135.47	-841.6	-1,345.2	1,558.1	1,516.3	41.74	37.329	
5,900.0	5,876.4	5,882.4	5,882.4	21.6	20.9	-135.47	-841.6	-1,345.2	1,558.1	1,515.6	42.44	36.712	
6,000.0	5,976.4	5,982.4	5,982.4	21.9	21.2	-135.47	-841.6	-1,345.2	1,558.1	1,514.9	43.14	36.115	
6,100.0	6,076.4	6,082.4	6,082.4	22.3	21.6	-135.47	-841.6	-1,345.2	1,558.1	1,514.2	43.85	35.536	
6,200.0	6,176.4	6,182.4	6,182.4	22.6	21.9	-135.47	-841.6	-1,345.2	1,558.1	1,513.5	44.55	34.975	
6,300.0	6,276.4	6,282.4	6,282.4	23.0	22.3	-135.47	-841.6	-1,345.2	1,558.1	1,512.8	45.25	34.431	
6,400.0	6,376.4	6,382.4	6,382.4	23.3	22.6	-135.47	-841.6	-1,345.2	1,558.1	1,512.1	45.96	33.904	
6,500.0	6,476.4	6,482.4	6,482.4	23.7	23.0	-135.47	-841.6	-1,345.2	1,558.1	1,511.4	46.66	33.392	
6,600.0	6,576.4	6,582.4	6,582.4	24.0	23.4	-135.47	-841.6	-1,345.2	1,558.1	1,510.7	47.36	32.895	
6,700.0	6,676.4	6,682.4	6,682.4	24.3	23.7	-135.47	-841.6	-1,345.2	1,558.1	1,510.0	48.07	32.413	
6,800.0	6,776.4	6,782.4	6,782.4	24.7	24.1	-135.47	-841.6	-1,345.2	1,558.1	1,509.3	48.78	31.944	
6,900.0	6,876.4	6,882.4	6,882.4	25.0	24.4	-135.47	-841.6	-1,345.2	1,558.1	1,508.6	49.48	31.488	
7,000.0	6,976.4	6,982.4	6,982.4	25.4	24.8	-135.47	-841.6	-1,345.2	1,558.1	1,507.9	50.19	31.046	
7,100.0	7,076.4	7,082.4	7,082.4	25.7	25.2	-135.47	-841.6	-1,345.2	1,558.1	1,507.2	50.89	30.615	
7,200.0	7,176.4	7,182.4	7,182.4	26.1	25.5	-135.47	-841.6	-1,345.2	1,558.1	1,506.5	51.60	30.195	
7,300.0	7,276.4	7,282.4	7,282.4	26.4	25.9	-135.47	-841.6	-1,345.2	1,558.1	1,505.8	52.31	29.787	
7,400.0	7,376.4	7,382.4	7,382.4	26.8	26.2	-135.47	-841.6	-1,345.2	1,558.1	1,505.1	53.01	29.390	
7,500.0	7,476.4	7,482.4	7,482.4	27.1	26.6	-135.47	-841.6	-1,345.2	1,558.1	1,504.4	53.72	29.003	
7,600.0	7,576.4	7,582.4	7,582.4	27.5	27.0	-135.47	-841.6	-1,345.2	1,558.1	1,503.6	54.43	28.626	
7,700.0	7,676.4	7,682.4	7,682.4	27.8	27.3	-135.47	-841.6	-1,345.2	1,558.1	1,502.9	55.14	28.258	
7,800.0	7,776.4	7,782.4	7,782.4	28.2	27.7	-135.47	-841.6	-1,345.2	1,558.1	1,502.2	55.84	27.900	
7,900.0	7,876.4	7,882.4	7,882.4	28.5	28.0	-135.47	-841.6	-1,345.2	1,558.1	1,501.5	56.55	27.551	
8,000.0	7,976.4	7,982.4	7,982.4	28.9	28.4	-135.47	-841.6	-1,345.2	1,558.1	1,500.8	57.26	27.210	
8,100.0	8,076.4	8,082.4	8,082.4	29.2	28.7	-135.47	-841.6	-1,345.2	1,558.1	1,500.1	57.97	26.877	
8,200.0	8,176.4	8,182.4	8,182.4	29.6	29.1	-135.47	-841.6	-1,345.2	1,558.1	1,499.4	58.68	26.552	
8,300.0	8,276.4	8,282.4	8,282.4	29.9	29.5	-135.47	-841.6	-1,345.2	1,558.1	1,498.7	59.39	26.235	
8,400.0	8,376.4	8,382.4	8,382.4	30.3	29.8	-135.47	-841.6	-1,345.2	1,558.1	1,498.0	60.10	25.926	
8,500.0	8,476.4	8,482.4	8,482.4	30.6	30.2	-135.47	-841.6	-1,345.2	1,558.1	1,497.3	60.81	25.623	
8,600.0	8,576.4	8,582.4	8,582.4	31.0	30.5	-135.47	-841.6	-1,345.2	1,558.1	1,496.6	61.52	25.328	
8,700.0	8,676.4	8,682.4	8,682.4	31.3	30.9	-135.47	-841.6	-1,345.2	1,558.1	1,495.8	62.23	25.039	
8,800.0	8,776.4	8,782.4	8,782.4	31.7	31.3	-135.47	-841.6	-1,345.2	1,558.1	1,495.1	62.94	24.756	
8,900.0	8,876.4	8,882.4	8,882.4	32.0	31.6	-135.47	-841.6	-1,345.2	1,558.1	1,494.4	63.65	24.480	
9,000.0	8,976.4	8,982.4	8,982.4	32.4	32.0	-135.47	-841.6	-1,345.2	1,558.1	1,493.7	64.36	24.210	
9,100.0	9,076.4	9,082.4	9,082.4	32.7	32.3	-135.47	-841.6	-1,345.2	1,558.1	1,493.0	65.07	23.945	
9,200.0	9,176.4	9,182.4	9,182.4	33.1	32.7	-135.47	-841.6	-1,345.2	1,558.1	1,492.3	65.78	23.687	
9,300.0	9,276.4	9,282.4	9,282.4	33.4	33.0	-135.47	-841.6	-1,345.2	1,558.1	1,491.6	66.49	23.434	
9,400.0	9,376.4	9,382.4	9,382.4	33.8	33.4	-135.47	-841.6	-1,345.2	1,558.1	1,490.9	67.20	23.186	
9,500.0	9,476.4	9,482.4	9,482.4	34.2	33.8	-135.47	-841.6	-1,345.2	1,558.1	1,490.2	67.91	22.943	
9,600.0	9,576.4	9,582.4	9,582.4	34.5	34.1	-135.47	-841.6	-1,345.2	1,558.1	1,489.5	68.62	22.705	
9,700.0	9,676.4	9,682.4	9,682.4	34.9	34.5	-135.47	-841.6	-1,345.2	1,558.1	1,488.7	69.33	22.472	
9,800.0	9,776.4	9,782.4	9,782.4	35.2	34.8	-135.47	-841.6	-1,345.2	1,558.1	1,488.0	70.04	22.244	
9,900.0	9,876.4	9,882.4	9,882.4	35.6	35.2	-135.47	-841.6	-1,345.2	1,558.1	1,487.3	70.76	22.020	
10,000.0	9,976.4	9,982.4	9,982.4	35.9	35.6	-135.47	-841.6	-1,345.2	1,558.1	1,486.6	71.47	21.801	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Flowers Federal SWD - Flowers SWD #3 - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,029.6	10,006.0	10,012.0	10,012.0	36.0	35.7	-135.47	-841.6	-1,345.2	1,558.1	1,486.4	71.68	21.737	
10,050.0	10,026.4	10,032.4	10,032.4	36.1	35.7	27.26	-841.6	-1,345.2	1,557.8	1,485.9	71.82	21.690	
10,100.0	10,076.2	10,082.2	10,082.2	36.2	35.9	27.48	-841.6	-1,345.2	1,554.2	1,482.1	72.15	21.541	
10,150.0	10,125.5	10,131.5	10,131.5	36.4	36.1	27.97	-841.6	-1,345.2	1,546.9	1,474.4	72.48	21.342	
10,200.0	10,173.9	10,179.9	10,179.9	36.5	36.3	28.73	-841.6	-1,345.2	1,535.8	1,463.0	72.79	21.097	
10,250.0	10,221.0	10,227.0	10,227.0	36.7	36.4	29.79	-841.6	-1,345.2	1,521.0	1,447.9	73.09	20.809	
10,300.0	10,266.4	10,272.4	10,272.4	36.8	36.6	31.18	-841.6	-1,345.2	1,502.7	1,429.3	73.38	20.479	
10,350.0	10,309.9	10,315.9	10,315.9	36.9	36.7	32.94	-841.6	-1,345.2	1,481.0	1,407.4	73.64	20.112	
10,400.0	10,351.1	10,357.1	10,357.1	37.0	36.9	35.13	-841.6	-1,345.2	1,456.3	1,382.4	73.88	19.711	
10,450.0	10,389.7	10,404.3	10,395.7	37.1	37.1	37.79	-841.6	-1,345.2	1,428.6	1,354.5	74.13	19.272	
10,500.0	10,425.3	10,431.3	10,431.3	37.2	37.2	41.02	-841.6	-1,345.2	1,398.3	1,324.0	74.29	18.822	
10,550.0	10,457.7	10,463.7	10,463.7	37.3	37.3	44.86	-841.6	-1,345.2	1,365.8	1,291.3	74.47	18.341	
10,600.0	10,486.7	10,507.3	10,492.7	37.3	37.4	49.38	-841.6	-1,345.2	1,331.2	1,256.5	74.67	17.829	
10,650.0	10,512.1	10,518.1	10,518.1	37.4	37.5	54.59	-841.6	-1,345.2	1,295.0	1,220.3	74.74	17.327	
10,700.0	10,533.6	10,539.6	10,539.6	37.5	37.6	60.45	-841.6	-1,345.2	1,257.6	1,182.7	74.85	16.803	
10,750.0	10,551.0	10,557.0	10,557.0	37.6	37.6	66.84	-841.6	-1,345.2	1,219.3	1,144.4	74.93	16.273	
10,800.0	10,564.4	10,570.4	10,570.4	37.8	37.7	73.51	-841.6	-1,345.2	1,180.6	1,105.6	75.00	15.741	
10,850.0	10,573.4	10,579.4	10,579.4	37.9	37.7	80.17	-841.6	-1,345.2	1,141.8	1,066.7	75.05	15.213	
10,900.0	10,578.2	10,584.2	10,584.2	38.1	37.7	86.51	-841.6	-1,345.2	1,103.4	1,028.3	75.10	14.692	
10,929.6	10,579.0	10,585.0	10,585.0	38.2	37.7	90.00	-841.6	-1,345.2	1,080.9	1,005.8	75.12	14.389	
11,000.0	10,579.0	10,585.0	10,585.0	38.4	37.7	90.00	-841.6	-1,345.2	1,029.7	954.5	75.19	13.694	
11,100.0	10,579.0	10,585.0	10,585.0	38.8	37.7	90.00	-841.6	-1,345.2	963.3	887.9	75.38	12.779	
11,200.0	10,579.0	10,585.0	10,585.0	39.2	37.7	90.00	-841.6	-1,345.2	906.1	830.4	75.72	11.966	
11,300.0	10,579.0	10,585.0	10,585.0	39.7	37.7	90.00	-841.6	-1,345.2	859.9	783.6	76.24	11.279	
11,400.0	10,579.0	10,585.0	10,585.0	40.3	37.7	90.00	-841.6	-1,345.2	826.6	749.6	76.94	10.743	
11,500.0	10,579.0	10,585.0	10,585.0	40.9	37.7	90.00	-841.6	-1,345.2	807.9	730.1	77.82	10.382	
11,569.3	10,579.0	10,585.0	10,585.0	41.3	37.7	90.00	-841.6	-1,345.2	804.1	725.6	78.48	10.245	CC, ES
11,600.0	10,579.0	10,585.0	10,585.0	41.5	37.7	90.00	-841.6	-1,345.2	804.8	726.1	78.78	10.217	SF
11,700.0	10,579.0	10,585.0	10,585.0	42.2	37.7	90.00	-841.6	-1,345.2	817.6	737.9	79.73	10.255	
11,800.0	10,579.0	10,585.0	10,585.0	42.9	37.7	90.00	-841.6	-1,345.2	845.4	764.8	80.58	10.492	
11,814.4	10,579.0	10,585.0	10,585.0	43.0	37.7	90.00	-841.6	-1,345.2	850.6	769.9	80.69	10.541	
11,900.0	10,579.0	10,585.0	10,585.0	43.6	37.7	90.00	-841.6	-1,345.2	885.7	804.4	81.28	10.896	
12,000.0	10,579.0	10,585.0	10,585.0	44.4	37.7	90.00	-841.6	-1,345.2	935.0	853.2	81.84	11.425	
12,100.0	10,579.0	10,585.0	10,585.0	45.3	37.7	90.00	-841.6	-1,345.2	992.0	909.8	82.26	12.060	
12,200.0	10,579.0	10,585.0	10,585.0	46.1	37.7	90.00	-841.6	-1,345.2	1,055.5	972.9	82.56	12.785	
12,300.0	10,579.0	10,585.0	10,585.0	47.1	37.7	90.00	-841.6	-1,345.2	1,124.2	1,041.4	82.76	13.583	
12,400.0	10,579.0	10,585.0	10,585.0	48.0	37.7	90.00	-841.6	-1,345.2	1,197.3	1,114.4	82.90	14.444	
12,500.0	10,579.0	10,585.0	10,585.0	49.0	37.7	90.00	-841.6	-1,345.2	1,274.2	1,191.2	82.98	15.355	
12,600.0	10,579.0	10,585.0	10,585.0	50.1	37.7	90.00	-841.6	-1,345.2	1,354.0	1,271.0	83.03	16.308	
12,700.0	10,579.0	10,585.0	10,585.0	51.1	37.7	90.00	-841.6	-1,345.2	1,436.4	1,353.3	83.04	17.296	
12,800.0	10,579.0	10,585.0	10,585.0	52.2	37.7	90.00	-841.6	-1,345.2	1,520.8	1,437.8	83.04	18.314	
12,900.0	10,579.0	10,585.0	10,585.0	53.4	37.7	90.00	-841.6	-1,345.2	1,607.1	1,524.1	83.03	19.356	
13,000.0	10,579.0	10,585.0	10,585.0	54.5	37.7	90.00	-841.6	-1,345.2	1,694.9	1,611.9	83.01	20.418	
13,100.0	10,579.0	10,585.0	10,585.0	55.7	37.7	90.00	-841.6	-1,345.2	1,783.9	1,701.0	82.98	21.498	
13,200.0	10,579.0	10,585.0	10,585.0	56.9	37.7	90.00	-841.6	-1,345.2	1,874.1	1,791.2	82.96	22.592	
13,300.0	10,579.0	10,585.0	10,585.0	58.1	37.7	90.00	-841.6	-1,345.2	1,965.2	1,882.3	82.93	23.698	
13,400.0	10,579.0	10,585.0	10,585.0	59.4	37.7	90.00	-841.6	-1,345.2	2,057.2	1,974.3	82.90	24.816	
13,500.0	10,579.0	10,585.0	10,585.0	60.6	37.7	90.00	-841.6	-1,345.2	2,149.8	2,067.0	82.87	25.942	
13,600.0	10,579.0	10,585.0	10,585.0	61.9	37.7	90.00	-841.6	-1,345.2	2,243.1	2,160.3	82.84	27.076	
13,700.0	10,579.0	10,585.0	10,585.0	63.2	37.7	90.00	-841.6	-1,345.2	2,337.0	2,254.2	82.82	28.217	
13,800.0	10,579.0	10,585.0	10,585.0	64.5	37.7	90.00	-841.6	-1,345.2	2,431.3	2,348.5	82.80	29.364	
13,900.0	10,579.0	10,585.0	10,585.0	65.9	37.7	90.00	-841.6	-1,345.2	2,526.1	2,443.3	82.78	30.516	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Flowers Federal SWD - Flowers SWD #3 - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	10,579.0	10,585.0	10,585.0	67.2	37.7	90.00	-841.6	-1,345.2	2,621.2	2,538.5	82.76	31.671	
14,100.0	10,579.0	10,585.0	10,585.0	68.6	37.7	90.00	-841.6	-1,345.2	2,716.8	2,634.0	82.75	32.831	
14,200.0	10,579.0	10,585.0	10,585.0	70.0	37.7	90.00	-841.6	-1,345.2	2,812.6	2,729.8	82.74	33.993	
14,300.0	10,579.0	10,585.0	10,585.0	71.3	37.7	90.00	-841.6	-1,345.2	2,908.7	2,826.0	82.73	35.159	
14,400.0	10,579.0	10,585.0	10,585.0	72.7	37.7	90.00	-841.6	-1,345.2	3,005.0	2,922.3	82.72	36.326	
14,500.0	10,579.0	10,585.0	10,585.0	74.1	37.7	90.00	-841.6	-1,345.2	3,101.6	3,018.9	82.72	37.495	
14,600.0	10,579.0	10,585.0	10,585.0	75.6	37.7	90.00	-841.6	-1,345.2	3,198.4	3,115.7	82.72	38.666	
14,700.0	10,579.0	10,585.0	10,585.0	77.0	37.7	90.00	-841.6	-1,345.2	3,295.4	3,212.7	82.72	39.838	
14,800.0	10,579.0	10,585.0	10,585.0	78.4	37.7	90.00	-841.6	-1,345.2	3,392.6	3,309.9	82.72	41.010	
14,900.0	10,579.0	10,585.0	10,585.0	79.9	37.7	90.00	-841.6	-1,345.2	3,489.9	3,407.2	82.73	42.184	
15,000.0	10,579.0	10,585.0	10,585.0	81.3	37.7	90.00	-841.6	-1,345.2	3,587.4	3,504.6	82.74	43.358	
15,100.0	10,579.0	10,585.0	10,585.0	82.8	37.7	90.00	-841.6	-1,345.2	3,685.0	3,602.2	82.75	44.532	
15,200.0	10,579.0	10,585.0	10,585.0	84.2	37.7	90.00	-841.6	-1,345.2	3,782.7	3,700.0	82.76	45.707	
15,300.0	10,579.0	10,585.0	10,585.0	85.7	37.7	90.00	-841.6	-1,345.2	3,880.6	3,797.8	82.77	46.881	
15,400.0	10,579.0	10,585.0	10,585.0	87.2	37.7	90.00	-841.6	-1,345.2	3,978.5	3,895.7	82.79	48.055	
15,500.0	10,579.0	10,585.0	10,585.0	88.7	37.7	90.00	-841.6	-1,345.2	4,076.6	3,993.8	82.81	49.229	
15,600.0	10,579.0	10,585.0	10,585.0	90.2	37.7	90.00	-841.6	-1,345.2	4,174.7	4,091.9	82.83	50.402	
15,700.0	10,579.0	10,585.0	10,585.0	91.7	37.7	90.00	-841.6	-1,345.2	4,272.9	4,190.1	82.85	51.575	
15,800.0	10,579.0	10,585.0	10,585.0	93.2	37.7	90.00	-841.6	-1,345.2	4,371.3	4,288.4	82.87	52.746	
15,900.0	10,579.0	10,585.0	10,585.0	94.7	37.7	90.00	-841.6	-1,345.2	4,469.6	4,386.7	82.90	53.918	
16,000.0	10,579.0	10,585.0	10,585.0	96.2	37.7	90.00	-841.6	-1,345.2	4,568.1	4,485.2	82.92	55.088	
16,100.0	10,579.0	10,585.0	10,585.0	97.7	37.7	90.00	-841.6	-1,345.2	4,666.6	4,583.7	82.95	56.257	
16,200.0	10,579.0	10,585.0	10,585.0	99.2	37.7	90.00	-841.6	-1,345.2	4,765.2	4,682.2	82.98	57.425	
16,300.0	10,579.0	10,585.0	10,585.0	100.7	37.7	90.00	-841.6	-1,345.2	4,863.9	4,780.8	83.01	58.592	
16,400.0	10,579.0	10,585.0	10,585.0	102.3	37.7	90.00	-841.6	-1,345.2	4,962.5	4,879.5	83.05	59.757	
16,500.0	10,579.0	10,585.0	10,585.0	103.8	37.7	90.00	-841.6	-1,345.2	5,061.3	4,978.2	83.08	60.921	
16,600.0	10,579.0	10,585.0	10,585.0	105.3	37.7	90.00	-841.6	-1,345.2	5,160.1	5,077.0	83.11	62.084	
16,700.0	10,579.0	10,585.0	10,585.0	106.9	37.7	90.00	-841.6	-1,345.2	5,258.9	5,175.8	83.15	63.246	
16,800.0	10,579.0	10,585.0	10,585.0	108.4	37.7	90.00	-841.6	-1,345.2	5,357.8	5,274.6	83.19	64.405	
16,900.0	10,579.0	10,585.0	10,585.0	110.0	37.7	90.00	-841.6	-1,345.2	5,456.7	5,373.5	83.23	65.564	
17,000.0	10,579.0	10,585.0	10,585.0	111.5	37.7	90.00	-841.6	-1,345.2	5,555.7	5,472.4	83.27	66.720	
17,100.0	10,579.0	10,585.0	10,585.0	113.1	37.7	90.00	-841.6	-1,345.2	5,654.7	5,571.4	83.31	67.875	
17,200.0	10,579.0	10,585.0	10,585.0	114.6	37.7	90.00	-841.6	-1,345.2	5,753.7	5,670.4	83.35	69.028	
17,300.0	10,579.0	10,585.0	10,585.0	116.2	37.7	90.00	-841.6	-1,345.2	5,852.8	5,769.4	83.40	70.179	
17,400.0	10,579.0	10,585.0	10,585.0	117.7	37.7	90.00	-841.6	-1,345.2	5,951.9	5,868.5	83.44	71.328	
17,500.0	10,579.0	10,585.0	10,585.0	119.3	37.7	90.00	-841.6	-1,345.2	6,051.0	5,967.5	83.49	72.476	
17,600.0	10,579.0	10,585.0	10,585.0	120.9	37.7	90.00	-841.6	-1,345.2	6,150.2	6,066.7	83.54	73.621	
17,700.0	10,579.0	10,585.0	10,585.0	122.4	37.7	90.00	-841.6	-1,345.2	6,249.4	6,165.8	83.59	74.765	
17,800.0	10,579.0	10,585.0	10,585.0	124.0	37.7	90.00	-841.6	-1,345.2	6,348.6	6,264.9	83.64	75.906	
17,900.0	10,579.0	10,585.0	10,585.0	125.6	37.7	90.00	-841.6	-1,345.2	6,447.8	6,364.1	83.69	77.046	
18,000.0	10,579.0	10,585.0	10,585.0	127.2	37.7	90.00	-841.6	-1,345.2	6,547.1	6,463.3	83.74	78.183	
18,100.0	10,579.0	10,585.0	10,585.0	128.7	37.7	90.00	-841.6	-1,345.2	6,646.4	6,562.6	83.79	79.318	
18,200.0	10,579.0	10,585.0	10,585.0	130.3	37.7	90.00	-841.6	-1,345.2	6,745.7	6,661.8	83.85	80.451	
18,300.0	10,579.0	10,585.0	10,585.0	131.9	37.7	90.00	-841.6	-1,345.2	6,845.0	6,761.1	83.90	81.582	
18,400.0	10,579.0	10,585.0	10,585.0	133.5	37.7	90.00	-841.6	-1,345.2	6,944.3	6,860.4	83.96	82.710	
18,500.0	10,579.0	10,585.0	10,585.0	135.1	37.7	90.00	-841.6	-1,345.2	7,043.7	6,959.7	84.02	83.836	
18,600.0	10,579.0	10,585.0	10,585.0	136.6	37.7	90.00	-841.6	-1,345.2	7,143.0	7,059.0	84.08	84.960	
18,700.0	10,579.0	10,585.0	10,585.0	138.2	37.7	90.00	-841.6	-1,345.2	7,242.4	7,158.3	84.14	86.081	
18,800.0	10,579.0	10,585.0	10,585.0	139.8	37.7	90.00	-841.6	-1,345.2	7,341.9	7,257.7	84.20	87.200	
18,900.0	10,579.0	10,585.0	10,585.0	141.4	37.7	90.00	-841.6	-1,345.2	7,441.3	7,357.0	84.26	88.317	
19,000.0	10,579.0	10,585.0	10,585.0	143.0	37.7	90.00	-841.6	-1,345.2	7,540.7	7,456.4	84.32	89.431	
19,100.0	10,579.0	10,585.0	10,585.0	144.6	37.7	90.00	-841.6	-1,345.2	7,640.2	7,555.8	84.38	90.543	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Flowers Federal SWD - Flowers SWD #3 - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	10,579.0	10,585.0	10,585.0	146.2	37.7	90.00	-841.6	-1,345.2	7,739.6	7,655.2	84.45	91.652	
19,300.0	10,579.0	10,585.0	10,585.0	147.8	37.7	90.00	-841.6	-1,345.2	7,839.1	7,754.6	84.51	92.758	
19,400.0	10,579.0	10,585.0	10,585.0	149.4	37.7	90.00	-841.6	-1,345.2	7,938.6	7,854.1	84.58	93.862	
19,500.0	10,579.0	10,585.0	10,585.0	151.0	37.7	90.00	-841.6	-1,345.2	8,038.1	7,953.5	84.64	94.964	
19,600.0	10,579.0	10,585.0	10,585.0	152.6	37.7	90.00	-841.6	-1,345.2	8,137.7	8,052.9	84.71	96.063	
19,700.0	10,579.0	10,585.0	10,585.0	154.2	37.7	90.00	-841.6	-1,345.2	8,237.2	8,152.4	84.78	97.159	
19,800.0	10,579.0	10,585.0	10,585.0	155.8	37.7	90.00	-841.6	-1,345.2	8,336.7	8,251.9	84.85	98.253	
19,900.0	10,579.0	10,585.0	10,585.0	157.4	37.7	90.00	-841.6	-1,345.2	8,436.3	8,351.4	84.92	99.344	
20,000.0	10,579.0	10,585.0	10,585.0	159.0	37.7	90.00	-841.6	-1,345.2	8,535.9	8,450.9	84.99	100.432	
20,100.0	10,579.0	10,585.0	10,585.0	160.6	37.7	90.00	-841.6	-1,345.2	8,635.4	8,550.4	85.06	101.518	
20,200.0	10,579.0	10,585.0	10,585.0	162.2	37.7	90.00	-841.6	-1,345.2	8,735.0	8,649.9	85.14	102.600	
20,300.0	10,579.0	10,585.0	10,585.0	163.8	37.7	90.00	-841.6	-1,345.2	8,834.6	8,749.4	85.21	103.681	
20,400.0	10,579.0	10,585.0	10,585.0	165.4	37.7	90.00	-841.6	-1,345.2	8,934.2	8,848.9	85.28	104.758	
20,500.0	10,579.0	10,585.0	10,585.0	167.0	37.7	90.00	-841.6	-1,345.2	9,033.8	8,948.5	85.36	105.833	
20,600.0	10,579.0	10,585.0	10,585.0	168.6	37.7	90.00	-841.6	-1,345.2	9,133.4	9,048.0	85.44	106.904	
20,700.0	10,579.0	10,585.0	10,585.0	170.2	37.7	90.00	-841.6	-1,345.2	9,233.1	9,147.6	85.51	107.973	
20,800.0	10,579.0	10,585.0	10,585.0	171.8	37.7	90.00	-841.6	-1,345.2	9,332.7	9,247.1	85.59	109.039	
20,900.0	10,579.0	10,585.0	10,585.0	173.4	37.7	90.00	-841.6	-1,345.2	9,432.4	9,346.7	85.67	110.103	
21,000.0	10,579.0	10,585.0	10,585.0	175.1	37.7	90.00	-841.6	-1,345.2	9,532.0	9,446.3	85.75	111.163	
21,100.0	10,579.0	10,585.0	10,585.0	176.7	37.7	90.00	-841.6	-1,345.2	9,631.7	9,545.8	85.83	112.221	
21,200.0	10,579.0	10,585.0	10,585.0	178.3	37.7	90.00	-841.6	-1,345.2	9,731.3	9,645.4	85.91	113.275	
21,300.0	10,579.0	10,585.0	10,585.0	179.9	37.7	90.00	-841.6	-1,345.2	9,831.0	9,745.0	85.99	114.327	
21,400.0	10,579.0	10,585.0	10,585.0	181.5	37.7	90.00	-841.6	-1,345.2	9,930.7	9,844.6	86.07	115.376	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #022H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	-1.0	0.0	0.0	89.67	0.6	110.1	110.1				
100.0	100.0	101.0	99.0	0.1	0.1	89.67	0.6	110.1	110.1	109.9	0.26	423.795	
200.0	200.0	201.0	199.0	0.5	0.5	89.67	0.6	110.1	110.1	109.2	0.98	112.753	
300.0	300.0	301.0	299.0	0.8	0.8	89.67	0.6	110.1	110.1	108.4	1.69	65.027	
400.0	400.0	401.0	399.0	1.2	1.2	89.67	0.6	110.1	110.1	107.7	2.41	45.688	
500.0	500.0	501.0	499.0	1.6	1.6	89.67	0.6	110.1	110.1	107.0	3.13	35.215	
600.0	600.0	601.0	599.0	1.9	1.9	89.67	0.6	110.1	110.1	106.3	3.84	28.648	
700.0	700.0	701.0	699.0	2.3	2.3	89.67	0.6	110.1	110.1	105.6	4.56	24.146	
800.0	800.0	801.0	799.0	2.6	2.6	89.67	0.6	110.1	110.1	104.9	5.28	20.866	
900.0	900.0	901.0	899.0	3.0	3.0	89.67	0.6	110.1	110.1	104.1	6.00	18.371	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	89.67	0.6	110.1	110.1	103.4	6.71	16.409	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	89.67	0.6	110.1	110.1	102.7	7.43	14.825	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	89.67	0.6	110.1	110.1	102.0	8.15	13.520	
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	89.67	0.6	110.1	110.1	101.3	8.86	12.427	
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	89.67	0.6	110.1	110.1	100.6	9.58	11.497	
1,500.0	1,500.0	1,499.0	1,499.0	5.1	5.1	89.67	0.6	110.1	110.1	99.9	10.29	10.704	
1,600.0	1,600.0	1,600.7	1,600.7	5.5	5.5	132.95	1.1	109.4	110.0	99.0	11.00	9.995	
1,700.0	1,700.0	1,702.3	1,702.3	5.9	5.9	133.25	2.5	107.1	109.5	97.8	11.71	9.350	
1,800.0	1,799.9	1,804.0	1,803.8	6.2	6.2	133.76	4.7	103.2	108.7	96.3	12.42	8.754	
1,900.0	1,899.7	1,905.6	1,905.3	6.6	6.6	134.47	8.0	97.8	107.6	94.5	13.12	8.199	
2,000.0	1,999.4	2,007.3	2,006.6	6.9	6.9	135.41	12.1	90.8	106.1	92.3	13.82	7.679	
2,100.0	2,098.9	2,108.9	2,107.7	7.3	7.3	136.59	17.1	82.3	104.4	89.9	14.52	7.191	
2,200.0	2,198.3	2,210.5	2,208.7	7.7	7.7	138.04	23.1	72.3	102.5	87.3	15.22	6.732	
2,300.0	2,297.4	2,311.8	2,309.1	8.0	8.1	139.76	29.9	60.8	100.3	84.4	15.92	6.300	
2,400.0	2,396.4	2,411.8	2,408.1	8.4	8.4	141.69	37.0	48.8	98.3	81.6	16.64	5.906	
2,500.0	2,495.5	2,511.7	2,507.0	8.8	8.8	143.70	44.1	36.8	96.4	79.0	17.36	5.551	
2,600.0	2,594.5	2,611.6	2,606.0	9.2	9.2	145.78	51.2	24.9	94.6	76.5	18.08	5.231	
2,700.0	2,693.5	2,711.5	2,704.9	9.6	9.6	147.94	58.3	12.9	92.9	74.1	18.80	4.941	
2,800.0	2,792.5	2,811.5	2,803.9	10.0	10.0	150.18	65.4	1.0	91.4	71.9	19.52	4.681	
2,900.0	2,891.6	2,911.4	2,902.8	10.3	10.4	152.49	72.5	-11.0	90.0	69.8	20.25	4.445	
3,000.0	2,990.6	3,011.3	3,001.8	10.7	10.8	154.87	79.6	-23.0	88.8	67.8	20.97	4.234	
3,100.0	3,089.6	3,111.2	3,100.7	11.1	11.2	157.31	86.7	-34.9	87.7	66.0	21.69	4.043	
3,200.0	3,188.6	3,211.2	3,199.7	11.5	11.6	159.80	93.8	-46.9	86.8	64.4	22.42	3.872	
3,300.0	3,287.7	3,311.1	3,298.6	11.9	12.0	162.35	100.9	-58.9	86.0	62.9	23.14	3.718	
3,400.0	3,386.7	3,411.0	3,397.6	12.3	12.4	164.93	107.9	-70.8	85.5	61.6	23.87	3.581	
3,500.0	3,485.7	3,510.9	3,496.5	12.7	12.8	167.54	115.0	-82.8	85.1	60.5	24.60	3.458	
3,600.0	3,584.8	3,610.8	3,595.5	13.1	13.2	170.17	122.1	-94.7	84.9	59.5	25.34	3.349	
3,669.5	3,653.6	3,680.3	3,664.3	13.4	13.5	172.00	127.1	-103.1	84.8	59.0	25.86	3.281	
3,700.0	3,683.8	3,710.8	3,694.4	13.5	13.6	172.81	129.2	-106.7	84.8	58.8	26.08	3.253	
3,800.0	3,782.8	3,810.7	3,793.4	13.9	14.0	175.44	136.3	-118.7	85.0	58.2	26.83	3.167	
3,900.0	3,881.8	3,910.6	3,892.3	14.3	14.4	178.06	143.4	-130.6	85.3	57.7	27.58	3.093	
4,000.0	3,980.9	4,010.5	3,991.3	14.8	14.8	-179.34	150.5	-142.6	85.8	57.5	28.35	3.027	
4,100.0	4,079.9	4,110.5	4,090.3	15.2	15.2	-176.79	157.6	-154.5	86.5	57.4	29.11	2.970	
4,200.0	4,178.9	4,210.4	4,189.2	15.6	15.6	-174.27	164.7	-166.5	87.3	57.4	29.89	2.922	
4,283.5	4,261.6	4,306.1	4,271.9	15.9	16.0	-172.21	170.6	-176.5	88.2	57.6	30.59	2.882	
4,300.0	4,277.9	4,310.3	4,288.2	16.0	16.0	-171.81	171.8	-178.5	88.3	57.6	30.67	2.879	
4,400.0	4,377.2	4,410.2	4,387.1	16.4	16.4	-169.19	178.9	-190.4	87.8	56.3	31.47	2.789	
4,500.0	4,476.7	4,510.1	4,486.0	16.8	16.8	-166.14	186.0	-202.4	84.9	52.6	32.28	2.629	
4,600.0	4,576.5	4,609.8	4,584.7	17.1	17.3	-162.31	193.0	-214.3	79.7	46.6	33.11	2.408	
4,700.0	4,676.4	4,709.3	4,683.3	17.5	17.7	-157.20	200.1	-226.2	72.6	38.6	33.99	2.135	
4,800.0	4,776.4	4,808.6	4,781.5	17.8	18.1	-149.90	207.2	-238.1	63.8	28.9	34.95	1.826	
4,816.9	4,793.2	4,825.2	4,798.1	17.9	18.1	168.47	208.3	-240.1	62.2	27.1	35.12	1.773	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,876.4	4,907.6	4,879.6	18.2	18.5	177.36	214.2	-250.0	55.1	19.1	36.00	1.530	
5,000.0	4,976.4	5,006.6	4,977.7	18.5	18.9	-168.97	221.2	-261.8	48.8	11.7	37.11	1.315	Level 3
5,100.0	5,076.4	5,105.6	5,075.7	18.9	19.3	-152.58	228.2	-273.7	46.0	7.9	38.10	1.207	Level 2
5,118.9	5,095.3	5,124.4	5,094.3	18.9	19.4	-149.33	229.6	-275.9	45.9	7.7	38.25	1.200	Level 2, CC, ES, SF
5,200.0	5,176.4	5,204.7	5,173.8	19.2	19.7	-135.65	235.3	-285.5	47.3	8.5	38.79	1.219	Level 2
5,300.0	5,276.4	5,303.7	5,271.9	19.5	20.1	-120.80	242.3	-297.4	52.4	13.1	39.23	1.335	Level 3
5,400.0	5,376.4	5,402.7	5,369.9	19.9	20.5	-109.17	249.3	-309.2	60.3	20.7	39.61	1.523	
5,500.0	5,476.4	5,503.0	5,469.3	20.2	20.9	-100.96	255.9	-320.3	69.4	29.3	40.09	1.730	
5,600.0	5,576.4	5,603.9	5,569.8	20.6	21.3	-95.83	261.2	-329.3	77.4	36.7	40.66	1.903	
5,700.0	5,676.4	5,705.4	5,670.9	20.9	21.7	-92.66	265.2	-336.0	83.7	42.4	41.28	2.027	
5,800.0	5,776.4	5,807.2	5,772.6	21.2	22.1	-90.84	267.8	-340.3	87.9	46.0	41.92	2.096	
5,900.0	5,876.4	5,909.2	5,874.6	21.6	22.4	-90.05	269.0	-342.4	89.9	47.3	42.57	2.112	
6,000.0	5,976.4	6,010.0	5,975.4	21.9	22.8	-89.99	269.1	-342.5	90.0	46.8	43.24	2.082	
6,100.0	6,076.4	6,110.0	6,075.4	22.3	23.1	-89.99	269.1	-342.5	90.0	46.1	43.93	2.050	
6,200.0	6,176.4	6,210.0	6,175.4	22.6	23.4	-89.99	269.1	-342.5	90.0	45.4	44.62	2.018	
6,300.0	6,276.4	6,310.0	6,275.4	23.0	23.8	-89.99	269.1	-342.5	90.0	44.7	45.31	1.987	
6,400.0	6,376.4	6,410.0	6,375.4	23.3	24.1	-89.99	269.1	-342.5	90.0	44.0	46.00	1.957	
6,500.0	6,476.4	6,510.0	6,475.4	23.7	24.4	-89.99	269.1	-342.5	90.0	43.3	46.70	1.928	
6,600.0	6,576.4	6,610.0	6,575.4	24.0	24.7	-89.99	269.1	-342.5	90.0	42.6	47.39	1.900	
6,700.0	6,676.4	6,710.0	6,675.4	24.3	25.1	-89.99	269.1	-342.5	90.0	41.9	48.09	1.872	
6,800.0	6,776.4	6,810.0	6,775.4	24.7	25.4	-89.99	269.1	-342.5	90.0	41.3	48.78	1.846	
6,900.0	6,876.4	6,910.0	6,875.4	25.0	25.8	-89.99	269.1	-342.5	90.0	40.6	49.48	1.820	
7,000.0	6,976.4	7,010.0	6,975.4	25.4	26.1	-89.99	269.1	-342.5	90.0	39.9	50.18	1.794	
7,100.0	7,076.4	7,111.0	7,076.3	25.7	26.4	-91.39	266.9	-342.2	89.7	38.9	50.87	1.764	
7,173.5	7,149.9	7,184.4	7,148.9	26.0	26.6	-98.50	255.9	-340.6	89.0	37.5	51.57	1.727	
7,200.0	7,176.4	7,210.1	7,173.8	26.1	26.7	-102.39	249.9	-339.7	89.3	37.4	51.87	1.721	
7,300.0	7,276.4	7,300.8	7,259.2	26.4	26.9	-120.67	220.0	-335.2	97.5	45.1	52.39	1.861	
7,400.0	7,376.4	7,380.4	7,329.4	26.8	27.0	-138.08	183.1	-329.7	124.3	74.1	50.25	2.474	
7,500.0	7,476.4	7,448.3	7,384.7	27.1	27.1	-150.23	144.3	-323.9	170.0	123.6	46.34	3.667	
7,600.0	7,576.4	7,505.3	7,427.4	27.5	27.2	-157.93	106.8	-318.3	229.3	186.9	42.40	5.407	
7,700.0	7,676.4	7,550.0	7,458.0	27.8	27.2	-162.59	74.7	-313.5	297.9	259.3	38.62	7.715	
7,800.0	7,776.4	7,593.1	7,485.1	28.2	27.2	-166.17	41.5	-308.5	373.1	337.0	36.08	10.342	
7,900.0	7,876.4	7,626.8	7,504.4	28.5	27.2	-168.48	14.2	-304.4	453.0	419.4	33.68	13.451	
8,000.0	7,976.4	7,650.0	7,516.8	28.9	27.2	-169.86	-5.2	-301.5	536.6	505.3	31.30	17.141	
8,100.0	8,076.4	7,679.9	7,531.6	29.2	27.2	-171.43	-30.9	-297.7	622.7	592.7	30.04	20.726	
8,200.0	8,176.4	7,700.0	7,540.7	29.6	27.3	-172.37	-48.6	-295.1	711.0	682.4	28.62	24.844	
8,300.0	8,276.4	7,719.3	7,548.9	29.9	27.3	-173.20	-65.9	-292.5	801.0	773.4	27.54	29.085	
8,400.0	8,376.4	7,735.4	7,555.2	30.3	27.3	-173.83	-80.5	-290.3	892.3	865.7	26.60	33.547	
8,500.0	8,476.4	7,750.0	7,560.7	30.6	27.3	-174.37	-93.9	-288.3	984.7	958.9	25.84	38.109	
8,600.0	8,576.4	7,750.0	7,560.7	31.0	27.3	-174.37	-93.9	-288.3	1,078.3	1,053.5	24.75	43.558	
8,700.0	8,676.4	7,773.2	7,568.6	31.3	27.2	-175.16	-115.5	-285.1	1,172.2	1,147.5	24.66	47.542	
8,800.0	8,776.4	7,783.2	7,571.7	31.7	27.2	-175.48	-124.9	-283.6	1,266.9	1,242.6	24.23	52.287	
8,900.0	8,876.4	7,800.0	7,576.6	32.0	27.2	-175.98	-140.8	-281.3	1,362.2	1,338.1	24.10	56.532	
9,000.0	8,976.4	7,800.0	7,576.6	32.4	27.2	-175.98	-140.8	-281.3	1,457.9	1,434.3	23.61	61.757	
9,100.0	9,076.4	7,800.0	7,576.6	32.7	27.2	-175.98	-140.8	-281.3	1,554.1	1,530.8	23.23	66.896	
9,200.0	9,176.4	7,800.0	7,576.6	33.1	27.2	-175.98	-140.8	-281.3	1,650.7	1,627.8	22.95	71.928	
9,300.0	9,276.4	7,820.9	7,582.0	33.4	27.2	-176.57	-160.8	-278.3	1,747.3	1,724.1	23.15	75.464	
9,400.0	9,376.4	7,826.6	7,583.4	33.8	27.2	-176.72	-166.3	-277.5	1,844.3	1,821.2	23.09	79.877	
9,500.0	9,476.4	7,850.0	7,588.3	34.2	27.2	-177.30	-188.8	-274.1	1,941.9	1,918.6	23.38	83.077	
9,600.0	9,576.4	7,850.0	7,588.3	34.5	27.2	-177.30	-188.8	-274.1	2,039.3	2,016.0	23.28	87.601	
9,700.0	9,676.4	7,850.0	7,588.3	34.9	27.2	-177.30	-188.8	-274.1	2,136.8	2,113.6	23.23	91.992	
9,800.0	9,776.4	7,850.0	7,588.3	35.2	27.2	-177.30	-188.8	-274.1	2,234.6	2,211.4	23.22	96.248	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #022H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,876.4	7,850.0	7,588.3	35.6	27.2	-177.30	-188.8	-274.1	2,332.5	2,309.3	23.24	100.370	
10,000.0	9,976.4	7,850.0	7,588.3	35.9	27.2	-177.30	-188.8	-274.1	2,430.7	2,407.4	23.29	104.357	
10,029.6	10,006.0	7,850.0	7,588.3	36.0	27.2	-177.30	-188.8	-274.1	2,459.8	2,436.5	23.31	105.513	
10,050.0	10,026.4	7,850.0	7,588.3	36.1	27.2	-12.31	-188.8	-274.1	2,479.7	2,456.4	23.32	106.321	
10,100.0	10,076.2	7,850.0	7,588.3	36.2	27.2	-8.87	-188.8	-274.1	2,528.0	2,504.7	23.32	108.395	
10,150.0	10,125.5	7,850.0	7,588.3	36.4	27.2	-6.93	-188.8	-274.1	2,575.1	2,551.8	23.29	110.579	
10,200.0	10,173.9	7,850.0	7,588.3	36.5	27.2	-5.70	-188.8	-274.1	2,620.8	2,597.5	23.23	112.842	
10,250.0	10,221.0	7,850.0	7,588.3	36.7	27.2	-4.86	-188.8	-274.1	2,664.7	2,641.5	23.14	115.158	
10,300.0	10,266.4	7,872.3	7,592.2	36.8	27.3	-4.55	-210.6	-270.8	2,706.1	2,682.8	23.27	116.301	
10,350.0	10,309.9	7,877.3	7,592.9	36.9	27.3	-4.13	-215.4	-270.1	2,745.5	2,722.3	23.19	118.398	
10,400.0	10,351.1	7,900.0	7,595.8	37.0	27.4	-4.01	-237.7	-266.8	2,782.8	2,759.5	23.27	119.581	
10,450.0	10,389.7	7,900.0	7,595.8	37.1	27.4	-3.69	-237.7	-266.8	2,816.9	2,793.8	23.12	121.852	
10,500.0	10,425.3	7,900.0	7,595.8	37.2	27.4	-3.44	-237.7	-266.8	2,848.3	2,825.3	22.97	124.009	
10,550.0	10,457.7	7,900.0	7,595.8	37.3	27.4	-3.24	-237.7	-266.8	2,876.7	2,853.9	22.83	126.004	
10,600.0	10,486.7	7,900.0	7,595.8	37.3	27.4	-3.08	-237.7	-266.8	2,902.1	2,879.4	22.71	127.790	
10,650.0	10,512.1	7,900.0	7,595.8	37.4	27.4	-2.95	-237.7	-266.8	2,924.3	2,901.7	22.61	129.314	
10,700.0	10,533.6	7,920.7	7,597.6	37.5	27.5	-3.02	-258.1	-263.7	2,942.8	2,920.1	22.68	129.765	
10,750.0	10,551.0	7,927.7	7,598.0	37.6	27.5	-3.00	-265.0	-262.7	2,958.1	2,935.4	22.67	130.462	
10,800.0	10,564.4	7,950.0	7,598.9	37.8	27.6	-3.12	-287.1	-259.4	2,970.1	2,947.3	22.78	130.375	
10,850.0	10,573.4	7,950.0	7,598.9	37.9	27.6	-3.08	-287.1	-259.4	2,978.1	2,955.3	22.80	130.622	
10,900.0	10,578.2	7,950.0	7,598.9	38.1	27.6	-3.06	-287.1	-259.4	2,982.6	2,959.7	22.87	130.441	
10,929.6	10,579.0	7,950.0	7,598.9	38.2	27.6	-3.05	-287.1	-259.4	2,983.6	2,960.7	22.93	130.130	
11,000.0	10,579.0	7,982.0	7,599.0	38.4	27.7	-3.34	-318.7	-254.8	2,985.1	2,961.8	23.24	128.467	
11,100.0	10,579.0	8,082.0	7,599.0	38.8	28.2	-4.11	-418.0	-242.5	2,987.7	2,963.7	23.93	124.843	
11,200.0	10,579.0	8,186.0	7,599.0	39.2	28.7	-4.77	-521.5	-233.3	2,990.2	2,965.4	24.74	120.885	
11,300.0	10,579.0	8,293.2	7,599.0	39.7	29.4	-5.30	-628.6	-227.9	2,992.3	2,966.7	25.64	116.725	
11,400.0	10,579.0	8,401.0	7,599.0	40.3	30.1	-5.67	-734.4	-226.2	2,994.0	2,967.4	26.61	112.524	
11,500.0	10,579.0	8,501.8	7,599.0	40.9	30.9	-5.94	-833.6	-225.5	2,995.3	2,967.7	27.60	108.511	
11,600.0	10,579.0	8,602.2	7,599.0	41.5	31.8	-6.13	-933.2	-224.8	2,996.2	2,967.6	28.64	104.600	
11,700.0	10,579.0	8,702.4	7,599.0	42.2	32.7	-6.26	-1,033.0	-224.1	2,996.9	2,967.1	29.73	100.818	
11,800.0	10,579.0	8,802.4	7,599.0	42.9	33.6	-6.30	-1,133.0	-223.4	2,997.1	2,966.3	30.84	97.184	
11,814.4	10,579.0	8,812.0	7,599.0	43.0	33.7	-6.30	-1,147.4	-223.3	2,997.1	2,966.1	30.97	96.769	
11,900.0	10,579.0	8,902.4	7,599.0	43.6	34.7	-6.30	-1,233.0	-222.7	2,997.1	2,965.1	31.99	93.699	
12,000.0	10,579.0	9,002.4	7,599.0	44.4	35.7	-6.30	-1,333.0	-222.0	2,997.1	2,964.0	33.17	90.358	
12,100.0	10,579.0	9,102.4	7,599.0	45.3	36.8	-6.30	-1,433.0	-221.3	2,997.1	2,962.7	34.38	87.167	
12,200.0	10,579.0	9,202.4	7,599.0	46.1	37.9	-6.30	-1,533.0	-220.6	2,997.1	2,961.5	35.63	84.125	
12,300.0	10,579.0	9,302.4	7,599.0	47.1	39.1	-6.30	-1,633.0	-219.9	2,997.1	2,960.2	36.90	81.231	
12,400.0	10,579.0	9,402.4	7,599.0	48.0	40.3	-6.30	-1,733.0	-219.2	2,997.1	2,958.9	38.19	78.481	
12,500.0	10,579.0	9,502.4	7,599.0	49.0	41.6	-6.30	-1,832.9	-218.5	2,997.1	2,957.6	39.50	75.871	
12,600.0	10,579.0	9,602.4	7,599.0	50.1	42.8	-6.31	-1,932.9	-217.8	2,997.1	2,956.3	40.84	73.393	
12,700.0	10,579.0	9,702.4	7,599.0	51.1	44.1	-6.31	-2,032.9	-217.1	2,997.1	2,954.9	42.19	71.043	
12,800.0	10,579.0	9,802.4	7,599.0	52.2	45.4	-6.31	-2,132.9	-216.4	2,997.1	2,953.6	43.55	68.813	
12,900.0	10,579.0	9,902.4	7,599.0	53.4	46.8	-6.31	-2,232.9	-215.7	2,997.1	2,952.2	44.94	66.697	
13,000.0	10,579.0	10,002.4	7,599.0	54.5	48.1	-6.31	-2,332.9	-215.0	2,997.1	2,950.8	46.33	64.688	
13,100.0	10,579.0	10,102.4	7,599.0	55.7	49.5	-6.31	-2,432.9	-214.3	2,997.1	2,949.4	47.74	62.781	
13,200.0	10,579.0	10,202.4	7,599.0	56.9	50.9	-6.31	-2,532.9	-213.6	2,997.1	2,948.0	49.16	60.969	
13,300.0	10,579.0	10,302.4	7,599.0	58.1	52.3	-6.31	-2,632.9	-212.9	2,997.1	2,946.5	50.59	59.246	
13,400.0	10,579.0	10,402.4	7,599.0	59.4	53.7	-6.31	-2,732.9	-212.2	2,997.1	2,945.1	52.03	57.607	
13,500.0	10,579.0	10,502.4	7,599.0	60.6	55.2	-6.31	-2,832.9	-211.5	2,997.1	2,943.7	53.47	56.048	
13,600.0	10,579.0	10,602.4	7,599.0	61.9	56.6	-6.31	-2,932.9	-210.8	2,997.1	2,942.2	54.93	54.562	
13,700.0	10,579.0	10,702.4	7,599.0	63.2	58.1	-6.31	-3,032.9	-210.1	2,997.1	2,940.7	56.39	53.146	
13,800.0	10,579.0	10,802.4	7,599.0	64.5	59.5	-6.31	-3,132.9	-209.4	2,997.1	2,939.3	57.87	51.795	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #022H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.0	10,579.0	10,902.4	7,599.0	65.9	61.0	-6.31	-3,232.9	-208.7	2,997.1	2,937.8	59.34	50.505	
14,000.0	10,579.0	11,002.4	7,599.0	67.2	62.5	-6.31	-3,332.9	-208.0	2,997.1	2,936.3	60.83	49.274	
14,100.0	10,579.0	11,102.4	7,599.0	68.6	64.0	-6.31	-3,432.9	-207.3	2,997.1	2,934.8	62.32	48.096	
14,200.0	10,579.0	11,202.4	7,599.0	70.0	65.5	-6.31	-3,532.9	-206.6	2,997.1	2,933.3	63.81	46.970	
14,300.0	10,579.0	11,302.4	7,599.0	71.3	67.0	-6.31	-3,632.9	-206.0	2,997.1	2,931.8	65.31	45.891	
14,400.0	10,579.0	11,402.4	7,599.0	72.7	68.5	-6.31	-3,732.9	-205.3	2,997.1	2,930.3	66.81	44.858	
14,500.0	10,579.0	11,502.4	7,599.0	74.1	70.0	-6.31	-3,832.9	-204.6	2,997.1	2,928.8	68.32	43.868	
14,600.0	10,579.0	11,602.4	7,599.0	75.6	71.5	-6.31	-3,932.9	-203.9	2,997.1	2,927.3	69.83	42.918	
14,700.0	10,579.0	11,702.4	7,599.0	77.0	73.1	-6.31	-4,032.9	-203.2	2,997.1	2,925.8	71.35	42.006	
14,800.0	10,579.0	11,802.4	7,599.0	78.4	74.6	-6.31	-4,132.9	-202.5	2,997.1	2,924.3	72.87	41.130	
14,900.0	10,579.0	11,902.4	7,599.0	79.9	76.2	-6.31	-4,232.9	-201.8	2,997.1	2,922.8	74.39	40.288	
15,000.0	10,579.0	12,002.4	7,599.0	81.3	77.7	-6.31	-4,332.9	-201.1	2,997.1	2,921.2	75.92	39.478	
15,100.0	10,579.0	12,102.4	7,599.0	82.8	79.3	-6.31	-4,432.9	-200.4	2,997.1	2,919.7	77.45	38.698	
15,200.0	10,579.0	12,202.4	7,599.0	84.2	80.8	-6.31	-4,532.9	-199.7	2,997.1	2,918.2	78.98	37.948	
15,300.0	10,579.0	12,302.4	7,599.0	85.7	82.4	-6.31	-4,632.9	-199.0	2,997.2	2,916.6	80.52	37.224	
15,400.0	10,579.0	12,402.4	7,599.0	87.2	83.9	-6.31	-4,732.9	-198.3	2,997.2	2,915.1	82.05	36.527	
15,500.0	10,579.0	12,502.4	7,599.0	88.7	85.5	-6.31	-4,832.9	-197.6	2,997.2	2,913.6	83.59	35.854	
15,600.0	10,579.0	12,602.4	7,599.0	90.2	87.1	-6.31	-4,932.9	-196.9	2,997.2	2,912.0	85.14	35.205	
15,700.0	10,579.0	12,702.4	7,599.0	91.7	88.6	-6.31	-5,032.9	-196.2	2,997.2	2,910.5	86.68	34.577	
15,800.0	10,579.0	12,802.4	7,599.0	93.2	90.2	-6.31	-5,132.9	-195.5	2,997.2	2,908.9	88.23	33.971	
15,900.0	10,579.0	12,902.4	7,599.0	94.7	91.8	-6.31	-5,232.9	-194.8	2,997.2	2,907.4	89.77	33.386	
16,000.0	10,579.0	13,002.4	7,599.0	96.2	93.4	-6.31	-5,332.9	-194.1	2,997.2	2,905.8	91.32	32.819	
16,100.0	10,579.0	13,102.4	7,599.0	97.7	94.9	-6.31	-5,432.9	-193.4	2,997.2	2,904.3	92.88	32.271	
16,200.0	10,579.0	13,202.4	7,599.0	99.2	96.5	-6.31	-5,532.9	-192.7	2,997.2	2,902.7	94.43	31.740	
16,300.0	10,579.0	13,302.4	7,599.0	100.7	98.1	-6.31	-5,632.9	-192.0	2,997.2	2,901.2	95.98	31.226	
16,400.0	10,579.0	13,402.4	7,599.0	102.3	99.7	-6.31	-5,732.9	-191.3	2,997.2	2,899.6	97.54	30.727	
16,500.0	10,579.0	13,502.4	7,599.0	103.8	101.3	-6.31	-5,832.9	-190.6	2,997.2	2,898.1	99.10	30.244	
16,600.0	10,579.0	13,602.4	7,599.0	105.3	102.9	-6.31	-5,932.8	-189.9	2,997.2	2,896.5	100.66	29.776	
16,700.0	10,579.0	13,702.4	7,599.0	106.9	104.5	-6.31	-6,032.8	-189.2	2,997.2	2,894.9	102.22	29.321	
16,800.0	10,579.0	13,802.4	7,599.0	108.4	106.1	-6.31	-6,132.8	-188.5	2,997.2	2,893.4	103.78	28.880	
16,900.0	10,579.0	13,902.4	7,599.0	110.0	107.7	-6.31	-6,232.8	-187.8	2,997.2	2,891.8	105.34	28.451	
17,000.0	10,579.0	14,002.4	7,599.0	111.5	109.3	-6.31	-6,332.8	-187.1	2,997.2	2,890.3	106.91	28.035	
17,100.0	10,579.0	14,102.4	7,599.0	113.1	110.9	-6.31	-6,432.8	-186.4	2,997.2	2,888.7	108.47	27.631	
17,200.0	10,579.0	14,202.4	7,599.0	114.6	112.5	-6.31	-6,532.8	-185.7	2,997.2	2,887.1	110.04	27.237	
17,300.0	10,579.0	14,302.4	7,599.0	116.2	114.1	-6.31	-6,632.8	-185.0	2,997.2	2,885.6	111.61	26.855	
17,400.0	10,579.0	14,402.4	7,599.0	117.7	115.7	-6.31	-6,732.8	-184.3	2,997.2	2,884.0	113.17	26.483	
17,500.0	10,579.0	14,502.4	7,599.0	119.3	117.3	-6.31	-6,832.8	-183.6	2,997.2	2,882.4	114.74	26.120	
17,600.0	10,579.0	14,602.4	7,599.0	120.9	118.9	-6.31	-6,932.8	-182.9	2,997.2	2,880.9	116.31	25.768	
17,700.0	10,579.0	14,702.4	7,599.0	122.4	120.5	-6.31	-7,032.8	-182.2	2,997.2	2,879.3	117.89	25.424	
17,800.0	10,579.0	14,802.4	7,599.0	124.0	122.1	-6.31	-7,132.8	-181.5	2,997.2	2,877.7	119.46	25.090	
17,900.0	10,579.0	14,902.4	7,599.0	125.6	123.7	-6.31	-7,232.8	-180.8	2,997.2	2,876.1	121.03	24.764	
18,000.0	10,579.0	15,002.4	7,599.0	127.2	125.3	-6.31	-7,332.8	-180.1	2,997.2	2,874.6	122.60	24.446	
18,100.0	10,579.0	15,102.4	7,599.0	128.7	127.0	-6.31	-7,432.8	-179.4	2,997.2	2,873.0	124.18	24.136	
18,200.0	10,579.0	15,202.4	7,599.0	130.3	128.6	-6.31	-7,532.8	-178.7	2,997.2	2,871.4	125.75	23.834	
18,300.0	10,579.0	15,302.4	7,599.0	131.9	130.2	-6.31	-7,632.8	-178.0	2,997.2	2,869.8	127.33	23.539	
18,400.0	10,579.0	15,402.4	7,599.0	133.5	131.8	-6.31	-7,732.8	-177.3	2,997.2	2,868.3	128.90	23.251	
18,500.0	10,579.0	15,502.4	7,599.0	135.1	133.4	-6.31	-7,832.8	-176.6	2,997.2	2,866.7	130.48	22.970	
18,600.0	10,579.0	15,602.4	7,599.0	136.6	135.0	-6.31	-7,932.8	-175.9	2,997.2	2,865.1	132.06	22.696	
18,700.0	10,579.0	15,702.4	7,599.0	138.2	136.7	-6.31	-8,032.8	-175.2	2,997.2	2,863.5	133.64	22.428	
18,800.0	10,579.0	15,802.4	7,599.0	139.8	138.3	-6.31	-8,132.8	-174.5	2,997.2	2,862.0	135.21	22.166	
18,900.0	10,579.0	15,902.4	7,599.0	141.4	139.9	-6.31	-8,232.8	-173.8	2,997.2	2,860.4	136.79	21.910	
19,000.0	10,579.0	16,002.4	7,599.0	143.0	141.5	-6.31	-8,332.8	-173.1	2,997.2	2,858.8	138.37	21.660	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #022H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.0	10,579.0	16,102.4	7,599.0	144.6	143.1	-6.31	-8,432.8	-172.4	2,997.2	2,857.2	139.95	21.416	
19,200.0	10,579.0	16,202.4	7,599.0	146.2	144.8	-6.31	-8,532.8	-171.7	2,997.2	2,855.6	141.53	21.176	
19,300.0	10,579.0	16,302.4	7,599.0	147.8	146.4	-6.31	-8,632.8	-171.0	2,997.2	2,854.1	143.12	20.942	
19,400.0	10,579.0	16,402.4	7,599.0	149.4	148.0	-6.31	-8,732.8	-170.3	2,997.2	2,852.5	144.70	20.714	
19,500.0	10,579.0	16,502.4	7,599.0	151.0	149.6	-6.31	-8,832.8	-169.6	2,997.2	2,850.9	146.28	20.490	
19,600.0	10,579.0	16,602.4	7,599.0	152.6	151.3	-6.31	-8,932.8	-168.9	2,997.2	2,849.3	147.86	20.270	
19,700.0	10,579.0	16,702.4	7,599.0	154.2	152.9	-6.32	-9,032.8	-168.2	2,997.2	2,847.7	149.44	20.056	
19,800.0	10,579.0	16,802.4	7,599.0	155.8	154.5	-6.32	-9,132.8	-167.5	2,997.2	2,846.2	151.03	19.845	
19,900.0	10,579.0	16,902.4	7,599.0	157.4	156.1	-6.32	-9,232.8	-166.8	2,997.2	2,844.6	152.61	19.639	
20,000.0	10,579.0	17,002.4	7,599.0	159.0	157.8	-6.32	-9,332.8	-166.1	2,997.2	2,843.0	154.20	19.438	
20,100.0	10,579.0	17,102.4	7,599.0	160.6	159.4	-6.32	-9,432.8	-165.4	2,997.2	2,841.4	155.78	19.240	
20,200.0	10,579.0	17,202.4	7,599.0	162.2	161.0	-6.32	-9,532.8	-164.7	2,997.2	2,839.8	157.36	19.046	
20,300.0	10,579.0	17,302.4	7,599.0	163.8	162.7	-6.32	-9,632.8	-164.0	2,997.2	2,838.2	158.95	18.856	
20,400.0	10,579.0	17,402.4	7,599.0	165.4	164.3	-6.32	-9,732.8	-163.3	2,997.2	2,836.7	160.54	18.670	
20,500.0	10,579.0	17,502.4	7,599.0	167.0	165.9	-6.32	-9,832.8	-162.6	2,997.2	2,835.1	162.12	18.487	
20,600.0	10,579.0	17,602.4	7,599.0	168.6	167.5	-6.32	-9,932.8	-161.9	2,997.2	2,833.5	163.71	18.308	
20,700.0	10,579.0	17,702.4	7,599.0	170.2	169.2	-6.32	-10,032.7	-161.2	2,997.2	2,831.9	165.29	18.132	
20,800.0	10,579.0	17,802.4	7,599.0	171.8	170.8	-6.32	-10,132.7	-160.5	2,997.2	2,830.3	166.88	17.960	
20,900.0	10,579.0	17,902.4	7,599.0	173.4	172.4	-6.32	-10,232.7	-159.8	2,997.2	2,828.7	168.47	17.791	
21,000.0	10,579.0	18,002.4	7,599.0	175.1	174.1	-6.32	-10,332.7	-159.1	2,997.2	2,827.1	170.06	17.625	
21,100.0	10,579.0	18,102.4	7,599.0	176.7	175.7	-6.32	-10,432.7	-158.4	2,997.2	2,825.6	171.64	17.462	
21,200.0	10,579.0	18,202.4	7,599.0	178.3	177.3	-6.32	-10,532.7	-157.7	2,997.2	2,824.0	173.23	17.302	
21,300.0	10,579.0	18,302.4	7,599.0	179.9	179.0	-6.32	-10,632.7	-157.0	2,997.2	2,822.4	174.82	17.145	
21,400.0	10,579.0	18,402.4	7,599.0	181.5	180.6	-6.32	-10,732.7	-156.3	2,997.2	2,820.8	176.41	16.990	
21,500.0	10,579.0	18,502.4	7,599.0	183.1	182.2	-6.32	-10,832.7	-155.6	2,997.2	2,819.2	178.00	16.839	
21,600.0	10,579.0	18,602.4	7,599.0	184.7	183.9	-6.32	-10,932.7	-154.9	2,997.2	2,817.6	179.59	16.690	
21,700.0	10,579.0	18,702.4	7,599.0	186.4	185.5	-6.32	-11,032.7	-154.2	2,997.2	2,816.0	181.17	16.543	
21,800.0	10,579.0	18,802.4	7,599.0	188.0	187.1	-6.32	-11,132.7	-153.5	2,997.2	2,814.4	182.76	16.399	
21,900.0	10,579.0	18,902.4	7,599.0	189.6	188.8	-6.32	-11,232.7	-152.8	2,997.2	2,812.9	184.35	16.258	
22,000.0	10,579.0	19,002.4	7,599.0	191.2	190.4	-6.32	-11,332.7	-152.1	2,997.2	2,811.3	185.94	16.119	
22,100.0	10,579.0	19,102.4	7,599.0	192.8	192.0	-6.32	-11,432.7	-151.4	2,997.2	2,809.7	187.53	15.982	
22,200.0	10,579.0	19,202.4	7,599.0	194.5	193.7	-6.32	-11,532.7	-150.7	2,997.2	2,808.1	189.12	15.848	
22,300.0	10,579.0	19,302.4	7,599.0	196.1	195.3	-6.32	-11,632.7	-150.0	2,997.2	2,806.5	190.71	15.716	
22,400.0	10,579.0	19,402.4	7,599.0	197.7	196.9	-6.32	-11,732.7	-149.3	2,997.2	2,804.9	192.31	15.586	
22,500.0	10,579.0	19,502.4	7,599.0	199.3	198.6	-6.32	-11,832.7	-148.6	2,997.2	2,803.3	193.90	15.458	
22,600.0	10,579.0	19,602.4	7,599.0	200.9	200.2	-6.32	-11,932.7	-147.9	2,997.2	2,801.7	195.49	15.332	
22,700.0	10,579.0	19,702.4	7,599.0	202.6	201.9	-6.32	-12,032.7	-147.2	2,997.2	2,800.1	197.08	15.208	
22,800.0	10,579.0	19,802.4	7,599.0	204.2	203.5	-6.32	-12,132.7	-146.5	2,997.2	2,798.5	198.67	15.086	
22,900.0	10,579.0	19,902.4	7,599.0	205.8	205.1	-6.32	-12,232.7	-145.8	2,997.2	2,797.0	200.26	14.966	
23,000.0	10,579.0	20,002.4	7,599.0	207.4	206.8	-6.32	-12,332.7	-145.1	2,997.2	2,795.4	201.84	14.849	
23,081.2	10,579.0	20,078.8	7,599.0	208.8	207.9	-6.32	-12,413.9	-144.6	2,997.2	2,794.4	202.81	14.779	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #102H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	108.09	-29.5	90.2	94.9				
100.0	100.0	100.0	100.0	0.1	0.1	108.09	-29.5	90.2	94.9	94.7	0.26	370.394	
200.0	200.0	200.0	200.0	0.5	0.5	108.09	-29.5	90.2	94.9	94.0	0.97	97.544	
300.0	300.0	300.0	300.0	0.8	0.8	108.09	-29.5	90.2	94.9	93.2	1.69	56.168	
400.0	400.0	400.0	400.0	1.2	1.2	108.09	-29.5	90.2	94.9	92.5	2.41	39.439	
500.0	500.0	500.0	500.0	1.6	1.6	108.09	-29.5	90.2	94.9	91.8	3.12	30.388	
600.0	600.0	600.0	600.0	1.9	1.9	108.09	-29.5	90.2	94.9	91.1	3.84	24.716	
700.0	700.0	700.0	700.0	2.3	2.3	108.09	-29.5	90.2	94.9	90.4	4.56	20.828	
800.0	800.0	800.0	800.0	2.6	2.6	108.09	-29.5	90.2	94.9	89.7	5.27	17.997	
900.0	900.0	900.0	900.0	3.0	3.0	108.09	-29.5	90.2	94.9	88.9	5.99	15.844	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	108.09	-29.5	90.2	94.9	88.2	6.71	14.151	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	108.09	-29.5	90.2	94.9	87.5	7.43	12.785	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	108.09	-29.5	90.2	94.9	86.8	8.14	11.659	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	108.09	-29.5	90.2	94.9	86.1	8.86	10.715	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	108.09	-29.5	90.2	94.9	85.4	9.58	9.913	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	108.09	-29.5	90.2	94.9	84.6	10.29	9.223	CC, ES
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	151.52	-29.5	90.2	95.7	84.7	11.01	8.694	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	152.24	-29.5	90.2	98.0	86.3	11.72	8.362	
1,800.0	1,799.9	1,799.9	1,799.9	6.2	6.2	153.36	-29.5	90.2	101.9	89.5	12.43	8.195	
1,900.0	1,899.7	1,901.6	1,901.6	6.6	6.6	154.82	-29.1	89.4	106.5	93.4	13.14	8.102	
2,000.0	1,999.4	2,003.3	2,003.3	6.9	6.9	156.52	-28.1	86.9	111.0	97.1	13.85	8.015	
2,100.0	2,098.9	2,105.2	2,105.0	7.3	7.3	158.45	-26.3	82.8	115.4	100.9	14.55	7.932	
2,200.0	2,198.3	2,207.1	2,206.7	7.7	7.7	160.58	-23.8	76.9	119.8	104.6	15.25	7.858	
2,300.0	2,297.4	2,309.0	2,308.4	8.0	8.0	162.89	-20.6	69.5	124.3	108.4	15.95	7.794	
2,400.0	2,396.4	2,411.1	2,409.9	8.4	8.4	165.27	-16.7	60.3	128.1	111.4	16.65	7.692	
2,500.0	2,495.5	2,513.2	2,511.3	8.8	8.8	167.67	-12.1	49.5	130.3	112.9	17.35	7.509	
2,600.0	2,594.5	2,615.3	2,612.5	9.2	9.1	170.17	-6.7	37.0	130.9	112.9	18.04	7.257	
2,700.0	2,693.5	2,716.0	2,712.2	9.6	9.5	172.79	-0.9	23.3	130.4	111.7	18.75	6.954	
2,800.0	2,792.5	2,815.9	2,810.9	10.0	9.9	175.42	4.9	9.6	130.0	110.6	19.48	6.675	
2,887.9	2,879.6	2,903.6	2,897.7	10.3	10.2	177.74	10.1	-2.4	129.9	109.8	20.13	6.455	
2,900.0	2,891.6	2,915.7	2,909.6	10.3	10.3	178.06	10.8	-4.1	129.9	109.7	20.22	6.427	
3,000.0	2,990.6	3,015.5	3,008.3	10.7	10.7	-179.30	16.6	-17.8	130.1	109.2	20.96	6.208	
3,100.0	3,089.6	3,115.3	3,107.0	11.1	11.1	-176.67	22.5	-31.5	130.6	108.9	21.70	6.015	
3,200.0	3,188.6	3,215.1	3,205.7	11.5	11.4	-174.07	28.3	-45.2	131.3	108.8	22.46	5.846	
3,300.0	3,287.7	3,315.0	3,304.4	11.9	11.8	-171.50	34.2	-58.9	132.3	109.1	23.22	5.697	
3,400.0	3,386.7	3,414.8	3,403.1	12.3	12.2	-168.97	40.0	-72.6	133.5	109.5	23.98	5.567	
3,500.0	3,485.7	3,514.6	3,501.8	12.7	12.6	-166.50	45.9	-86.3	135.0	110.3	24.76	5.454	
3,600.0	3,584.8	3,614.4	3,600.5	13.1	13.0	-164.08	51.7	-99.9	136.8	111.2	25.54	5.356	
3,700.0	3,683.8	3,714.2	3,699.2	13.5	13.4	-161.73	57.5	-113.6	138.8	112.5	26.33	5.271	
3,800.0	3,782.8	3,814.1	3,797.9	13.9	13.9	-159.45	63.4	-127.3	141.0	113.9	27.12	5.199	
3,900.0	3,881.8	3,913.9	3,896.6	14.3	14.3	-157.24	69.2	-141.0	143.4	115.5	27.92	5.137	
4,000.0	3,980.9	4,013.7	3,995.3	14.8	14.7	-155.11	75.1	-154.7	146.1	117.3	28.73	5.085	
4,100.0	4,079.9	4,113.5	4,094.0	15.2	15.1	-153.06	80.9	-168.4	148.9	119.4	29.54	5.041	
4,200.0	4,178.9	4,213.3	4,192.7	15.6	15.5	-151.09	86.8	-182.1	151.9	121.6	30.36	5.005	
4,283.5	4,261.6	4,303.3	4,275.2	15.9	15.9	-149.50	91.7	-193.5	154.6	123.5	31.07	4.976	
4,300.0	4,277.9	4,313.2	4,291.4	16.0	15.9	-149.19	92.6	-195.8	155.1	123.9	31.18	4.975	
4,400.0	4,377.2	4,413.0	4,390.1	16.4	16.3	-147.05	98.5	-209.5	157.0	125.0	32.01	4.905	
4,500.0	4,476.7	4,512.7	4,488.7	16.8	16.7	-144.40	104.3	-223.2	157.0	124.1	32.85	4.779	
4,600.0	4,576.5	4,612.3	4,587.2	17.1	17.1	-141.15	110.1	-236.8	155.2	121.5	33.70	4.607	
4,700.0	4,676.4	4,711.7	4,685.5	17.5	17.5	-137.18	115.9	-250.5	152.1	117.5	34.56	4.400	
4,800.0	4,776.4	4,810.8	4,783.5	17.8	18.0	-132.32	121.8	-264.1	147.9	112.5	35.43	4.175	
4,816.9	4,793.2	4,827.4	4,800.0	17.9	18.0	-174.59	122.7	-266.4	147.1	111.6	35.58	4.136	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #102H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,876.4	4,909.7	4,881.3	18.2	18.4	-169.93	127.5	-277.6	143.8	107.5	36.30	3.963	
5,000.0	4,976.4	5,008.5	4,979.0	18.5	18.8	-164.08	133.3	-291.2	141.2	104.0	37.14	3.801	
5,100.0	5,076.4	5,107.4	5,076.8	18.9	19.2	-158.09	139.1	-304.8	140.1	102.1	37.95	3.691	
5,119.9	5,096.3	5,127.1	5,096.3	18.9	19.3	-156.89	140.3	-307.5	140.0	101.9	38.11	3.674	
5,200.0	5,176.4	5,206.3	5,174.6	19.2	19.6	-152.06	144.9	-318.3	140.5	101.8	38.73	3.629	
5,300.0	5,276.4	5,305.2	5,272.4	19.5	20.0	-146.14	150.7	-331.9	142.6	103.1	39.46	3.614	SF
5,400.0	5,376.4	5,404.1	5,370.1	19.9	20.4	-140.45	156.5	-345.5	146.1	106.0	40.15	3.640	
5,500.0	5,476.4	5,502.9	5,467.9	20.2	20.9	-135.07	162.3	-359.0	151.1	110.3	40.81	3.702	
5,600.0	5,576.4	5,601.8	5,565.7	20.6	21.3	-130.06	168.1	-372.6	157.3	115.8	41.44	3.795	
5,700.0	5,676.4	5,700.7	5,663.5	20.9	21.7	-125.46	173.9	-386.2	164.6	122.6	42.06	3.914	
5,800.0	5,776.4	5,800.4	5,761.2	21.2	22.1	-121.27	179.7	-399.7	172.9	130.2	42.68	4.052	
5,900.0	5,876.4	5,901.5	5,859.0	21.6	22.5	-117.48	185.4	-413.3	182.1	138.8	43.29	4.206	
6,000.0	5,976.4	5,997.3	5,956.8	21.9	22.9	-114.05	191.2	-426.9	191.9	148.1	43.89	4.373	
6,100.0	6,076.4	6,096.2	6,054.6	22.3	23.4	-110.97	197.0	-440.4	202.4	157.9	44.51	4.548	
6,200.0	6,176.4	6,195.1	6,152.3	22.6	23.8	-108.20	202.8	-454.0	213.5	168.3	45.13	4.730	
6,300.0	6,276.4	6,294.0	6,250.1	23.0	24.2	-105.70	208.6	-467.6	224.9	179.2	45.77	4.915	
6,400.0	6,376.4	6,407.1	6,347.9	23.3	24.7	-103.45	214.4	-481.1	236.8	190.3	46.46	5.097	
6,500.0	6,476.4	6,508.2	6,445.7	23.7	25.1	-101.41	220.2	-494.7	249.0	201.9	47.11	5.285	
6,600.0	6,576.4	6,609.4	6,543.4	24.0	25.5	-99.56	226.0	-508.3	261.4	213.7	47.78	5.472	
6,700.0	6,676.4	6,689.5	6,641.2	24.3	25.9	-97.88	231.8	-521.8	274.2	225.8	48.36	5.669	
6,800.0	6,776.4	6,788.4	6,739.0	24.7	26.3	-96.36	237.6	-535.4	287.1	238.1	49.03	5.855	
6,900.0	6,876.4	6,887.3	6,836.8	25.0	26.7	-94.96	243.3	-549.0	300.2	250.5	49.70	6.040	
7,000.0	6,976.4	6,986.2	6,934.5	25.4	27.1	-93.68	249.1	-562.5	313.5	263.1	50.37	6.223	
7,100.0	7,076.4	7,091.6	7,039.0	25.7	27.6	-92.50	254.9	-576.1	326.1	274.9	51.14	6.377	
7,200.0	7,176.4	7,199.5	7,146.1	26.1	28.0	-91.60	259.7	-587.3	336.3	284.4	51.91	6.479	
7,300.0	7,276.4	7,307.9	7,254.2	26.4	28.4	-90.96	263.3	-595.8	344.0	291.4	52.65	6.535	
7,400.0	7,376.4	7,416.8	7,362.9	26.8	28.8	-90.55	265.7	-601.4	349.2	295.8	53.36	6.544	
7,500.0	7,476.4	7,526.0	7,472.0	27.1	29.2	-90.35	266.9	-604.2	351.8	297.7	54.04	6.509	
7,600.0	7,576.4	7,632.3	7,578.3	27.5	29.5	-90.74	264.5	-604.4	351.9	297.2	54.70	6.433	
7,700.0	7,676.4	7,732.7	7,676.9	27.8	29.7	-93.71	246.4	-603.1	351.3	295.9	55.45	6.336	
7,706.9	7,683.3	7,739.4	7,683.3	27.9	29.8	-94.00	244.6	-603.0	351.3	295.8	55.51	6.330	
7,800.0	7,776.4	7,824.3	7,762.8	28.2	29.9	-98.81	215.1	-600.9	352.8	296.6	56.27	6.270	
7,900.0	7,876.4	7,904.3	7,832.9	28.5	30.1	-104.93	176.9	-598.2	360.5	303.6	56.87	6.339	
8,000.0	7,976.4	7,972.2	7,887.8	28.9	30.1	-111.05	137.1	-595.5	378.0	321.3	56.69	6.668	
8,100.0	8,076.4	8,029.0	7,929.9	29.2	30.2	-116.56	98.9	-592.8	407.7	352.3	55.43	7.355	
8,200.0	8,176.4	8,076.5	7,961.9	29.6	30.2	-121.25	64.1	-590.4	449.6	396.4	53.21	8.449	
8,300.0	8,276.4	8,116.1	7,986.4	29.9	30.2	-125.12	33.0	-588.2	502.5	452.0	50.45	9.961	
8,400.0	8,376.4	8,150.0	8,005.6	30.3	30.3	-128.34	5.1	-586.2	564.4	516.8	47.56	11.867	
8,500.0	8,476.4	8,177.7	8,020.1	30.6	30.3	-130.89	-18.5	-584.6	633.4	588.6	44.75	14.154	
8,600.0	8,576.4	8,200.0	8,030.8	31.0	30.3	-132.87	-37.9	-583.2	708.0	665.8	42.14	16.799	
8,700.0	8,676.4	8,222.7	8,041.0	31.3	30.3	-134.82	-58.2	-581.8	786.9	746.9	39.99	19.679	
8,800.0	8,776.4	8,250.0	8,052.2	31.7	30.3	-137.06	-83.0	-580.1	869.3	830.9	38.38	22.652	
8,900.0	8,876.4	8,250.0	8,052.2	32.0	30.3	-137.06	-83.0	-580.1	954.2	918.0	36.19	26.368	
9,000.0	8,976.4	8,270.4	8,059.8	32.4	30.3	-138.67	-101.9	-578.7	1,041.3	1,006.3	34.97	29.774	
9,100.0	9,076.4	8,282.8	8,064.0	32.7	30.3	-139.61	-113.5	-577.9	1,130.1	1,096.3	33.77	33.462	
9,200.0	9,176.4	8,300.0	8,069.5	33.1	30.3	-140.88	-129.8	-576.8	1,220.4	1,187.5	32.92	37.075	
9,300.0	9,276.4	8,300.0	8,069.5	33.4	30.3	-140.88	-129.8	-576.8	1,311.8	1,279.9	31.81	41.243	
9,400.0	9,376.4	8,300.0	8,069.5	33.8	30.3	-140.88	-129.8	-576.8	1,404.3	1,373.4	30.89	45.468	
9,500.0	9,476.4	8,320.5	8,075.5	34.2	30.3	-142.34	-149.4	-575.4	1,497.3	1,466.8	30.55	49.005	
9,600.0	9,576.4	8,327.9	8,077.4	34.5	30.3	-142.85	-156.4	-574.9	1,591.2	1,561.2	30.04	52.963	
9,700.0	9,676.4	8,350.0	8,082.7	34.9	30.3	-144.32	-177.9	-573.4	1,686.0	1,656.1	29.90	56.382	
9,800.0	9,776.4	8,350.0	8,082.7	35.2	30.3	-144.32	-177.9	-573.4	1,780.8	1,751.4	29.43	60.505	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #102H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,876.4	8,350.0	8,082.7	35.6	30.3	-144.32	-177.9	-573.4	1,876.1	1,847.1	29.05	64.581	
10,000.0	9,976.4	8,350.0	8,082.7	35.9	30.3	-144.32	-177.9	-573.4	1,972.0	1,943.2	28.75	68.598	
10,029.6	10,006.0	8,350.0	8,082.7	36.0	30.3	-144.32	-177.9	-573.4	2,000.4	1,971.8	28.67	69.775	
10,050.0	10,026.4	8,350.0	8,082.7	36.1	30.3	16.37	-177.9	-573.4	2,019.9	1,991.3	28.61	70.595	
10,100.0	10,076.2	8,350.0	8,082.7	36.2	30.3	12.89	-177.9	-573.4	2,066.9	2,038.5	28.44	72.682	
10,150.0	10,125.5	8,350.0	8,082.7	36.4	30.3	10.63	-177.9	-573.4	2,112.5	2,084.3	28.22	74.856	
10,200.0	10,173.9	8,350.0	8,082.7	36.5	30.3	9.06	-177.9	-573.4	2,156.4	2,128.4	27.97	77.098	
10,250.0	10,221.0	8,370.6	8,086.9	36.7	30.3	7.49	-198.0	-572.0	2,197.9	2,170.0	27.95	78.630	
10,300.0	10,266.4	8,376.3	8,088.0	36.8	30.3	6.59	-203.5	-571.6	2,237.5	2,209.8	27.71	80.747	
10,350.0	10,309.9	8,400.0	8,091.7	36.9	30.3	5.61	-226.9	-570.0	2,275.1	2,247.4	27.66	82.250	
10,400.0	10,351.1	8,400.0	8,091.7	37.0	30.3	5.16	-226.9	-570.0	2,309.5	2,282.2	27.31	84.571	
10,450.0	10,389.7	8,400.0	8,091.7	37.1	30.3	4.81	-226.9	-570.0	2,341.3	2,314.4	26.96	86.852	
10,500.0	10,425.3	8,400.0	8,091.7	37.2	30.3	4.52	-226.9	-570.0	2,370.4	2,343.8	26.62	89.058	
10,550.0	10,457.7	8,400.0	8,091.7	37.3	30.3	4.28	-226.9	-570.0	2,396.5	2,370.2	26.29	91.152	
10,600.0	10,486.7	8,400.0	8,091.7	37.3	30.3	4.09	-226.9	-570.0	2,419.6	2,393.6	25.99	93.090	
10,650.0	10,512.1	8,426.9	8,094.7	37.4	30.3	3.68	-253.6	-568.1	2,438.9	2,413.0	25.93	94.073	
10,700.0	10,533.6	8,450.0	8,096.3	37.5	30.4	3.35	-276.6	-566.5	2,455.5	2,429.7	25.83	95.048	
10,750.0	10,551.0	8,450.0	8,096.3	37.6	30.4	3.28	-276.6	-566.5	2,468.3	2,442.7	25.61	96.381	
10,800.0	10,564.4	8,450.0	8,096.3	37.8	30.4	3.22	-276.6	-566.5	2,477.7	2,452.3	25.44	97.399	
10,850.0	10,573.4	8,461.0	8,096.7	37.9	30.4	3.09	-287.5	-565.8	2,483.8	2,458.4	25.37	97.886	
10,900.0	10,578.2	8,478.0	8,097.0	38.1	30.4	2.94	-304.5	-564.6	2,486.4	2,461.0	25.37	97.998	
10,929.6	10,579.0	8,478.0	8,097.0	38.2	30.4	2.94	-304.5	-564.6	2,486.2	2,460.8	25.36	98.043	
11,000.0	10,579.0	8,525.3	8,097.0	38.4	30.5	2.59	-351.7	-561.7	2,484.8	2,459.3	25.53	97.346	
11,100.0	10,579.0	8,617.6	8,097.0	38.8	30.8	2.00	-443.9	-558.2	2,483.6	2,457.7	25.94	95.734	
11,200.0	10,579.0	8,713.7	8,097.0	39.2	31.2	1.50	-540.0	-557.3	2,482.9	2,456.4	26.51	93.676	
11,300.0	10,579.0	8,811.7	8,097.0	39.7	31.7	1.06	-638.0	-556.6	2,482.4	2,455.3	27.18	91.345	
11,400.0	10,579.0	8,910.4	8,097.0	40.3	32.4	0.70	-736.7	-555.9	2,482.2	2,454.2	27.94	88.832	
11,500.0	10,579.0	9,009.6	8,097.0	40.9	33.1	0.41	-835.9	-555.2	2,482.1	2,453.3	28.79	86.201	
11,600.0	10,579.0	9,109.1	8,097.0	41.5	33.8	0.20	-935.5	-554.5	2,482.0	2,452.3	29.72	83.516	
11,700.0	10,579.0	9,209.0	8,097.0	42.2	34.6	0.07	-1,035.3	-553.8	2,482.0	2,451.3	30.72	80.803	
11,800.0	10,579.0	9,308.9	8,097.0	42.9	35.5	0.02	-1,135.3	-553.1	2,482.0	2,450.2	31.77	78.114	
11,813.6	10,579.0	9,322.5	8,097.0	43.0	35.7	0.01	-1,148.9	-553.0	2,482.0	2,450.1	31.92	77.750	
11,814.4	10,579.0	9,323.4	8,097.0	43.0	35.7	0.01	-1,149.7	-553.0	2,482.0	2,450.1	31.93	77.727	
11,900.0	10,579.0	9,408.9	8,097.0	43.6	36.5	0.01	-1,235.3	-552.4	2,482.0	2,449.1	32.88	75.485	
12,000.0	10,579.0	9,508.9	8,097.0	44.4	37.5	0.01	-1,335.3	-551.7	2,482.0	2,448.0	34.02	72.951	
12,100.0	10,579.0	9,608.9	8,097.0	45.3	38.5	0.01	-1,435.3	-551.0	2,482.0	2,446.8	35.20	70.518	
12,200.0	10,579.0	9,708.9	8,097.0	46.1	39.6	0.01	-1,535.3	-550.4	2,482.0	2,445.6	36.40	68.188	
12,300.0	10,579.0	9,808.9	8,097.0	47.1	40.7	0.01	-1,635.3	-549.7	2,482.0	2,444.4	37.63	65.961	
12,400.0	10,579.0	9,908.9	8,097.0	48.0	41.8	0.01	-1,735.3	-549.0	2,482.0	2,443.1	38.88	63.837	
12,500.0	10,579.0	10,008.9	8,097.0	49.0	43.0	0.01	-1,835.3	-548.3	2,482.0	2,441.8	40.15	61.812	
12,600.0	10,579.0	10,108.9	8,097.0	50.1	44.2	0.01	-1,935.2	-547.6	2,482.0	2,440.6	41.45	59.883	
12,700.0	10,579.0	10,208.9	8,097.0	51.1	45.4	0.01	-2,035.2	-546.9	2,482.0	2,439.2	42.76	58.047	
12,800.0	10,579.0	10,308.9	8,097.0	52.2	46.7	0.01	-2,135.2	-546.2	2,482.0	2,437.9	44.09	56.299	
12,900.0	10,579.0	10,408.9	8,097.0	53.4	48.0	0.01	-2,235.2	-545.5	2,482.0	2,436.6	45.43	54.635	
13,000.0	10,579.0	10,508.9	8,097.0	54.5	49.3	0.01	-2,335.2	-544.8	2,482.0	2,435.2	46.78	53.051	
13,100.0	10,579.0	10,608.9	8,097.0	55.7	50.6	0.01	-2,435.2	-544.1	2,482.0	2,433.8	48.15	51.543	
13,200.0	10,579.0	10,708.9	8,097.0	56.9	52.0	0.01	-2,535.2	-543.4	2,482.0	2,432.5	49.53	50.107	
13,300.0	10,579.0	10,808.9	8,097.0	58.1	53.3	0.01	-2,635.2	-542.7	2,482.0	2,431.1	50.92	48.739	
13,400.0	10,579.0	10,908.9	8,097.0	59.4	54.7	0.01	-2,735.2	-542.0	2,482.0	2,429.7	52.33	47.434	
13,500.0	10,579.0	11,008.9	8,097.0	60.6	56.1	0.01	-2,835.2	-541.3	2,482.0	2,428.3	53.74	46.189	
13,600.0	10,579.0	11,108.9	8,097.0	61.9	57.5	0.01	-2,935.2	-540.6	2,482.0	2,426.8	55.15	45.002	
13,700.0	10,579.0	11,208.9	8,097.0	63.2	58.9	0.01	-3,035.2	-539.9	2,482.0	2,425.4	56.58	43.867	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #102H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	10,579.0	11,308.9	8,097.0	64.5	60.3	0.01	-3,135.2	-539.2	2,482.0	2,424.0	58.01	42.784	
13,900.0	10,579.0	11,408.9	8,097.0	65.9	61.8	0.01	-3,235.2	-538.5	2,482.0	2,422.5	59.45	41.747	
14,000.0	10,579.0	11,508.9	8,097.0	67.2	63.2	0.01	-3,335.2	-537.8	2,482.0	2,421.1	60.90	40.756	
14,100.0	10,579.0	11,608.9	8,097.0	68.6	64.7	0.01	-3,435.2	-537.1	2,482.0	2,419.6	62.35	39.807	
14,200.0	10,579.0	11,708.9	8,097.0	70.0	66.2	0.01	-3,535.2	-536.4	2,482.0	2,418.2	63.81	38.897	
14,300.0	10,579.0	11,808.9	8,097.0	71.3	67.7	0.01	-3,635.2	-535.7	2,482.0	2,416.7	65.27	38.026	
14,400.0	10,579.0	11,908.9	8,097.0	72.7	69.1	0.01	-3,735.2	-535.0	2,482.0	2,415.3	66.74	37.190	
14,500.0	10,579.0	12,008.9	8,097.0	74.1	70.6	0.01	-3,835.2	-534.3	2,482.0	2,413.8	68.21	36.387	
14,600.0	10,579.0	12,108.9	8,097.0	75.6	72.1	0.01	-3,935.2	-533.6	2,482.0	2,412.3	69.69	35.616	
14,700.0	10,579.0	12,208.9	8,097.0	77.0	73.6	0.01	-4,035.2	-532.9	2,482.0	2,410.8	71.17	34.876	
14,800.0	10,579.0	12,308.9	8,097.0	78.4	75.2	0.01	-4,135.2	-532.2	2,482.0	2,409.3	72.65	34.163	
14,900.0	10,579.0	12,408.9	8,097.0	79.9	76.7	0.01	-4,235.2	-531.5	2,482.0	2,407.9	74.14	33.478	
15,000.0	10,579.0	12,508.9	8,097.0	81.3	78.2	0.01	-4,335.2	-530.8	2,482.0	2,406.4	75.63	32.818	
15,100.0	10,579.0	12,608.9	8,097.0	82.8	79.7	0.01	-4,435.2	-530.1	2,482.0	2,404.9	77.12	32.183	
15,200.0	10,579.0	12,708.9	8,097.0	84.2	81.3	0.01	-4,535.2	-529.4	2,482.0	2,403.4	78.62	31.570	
15,300.0	10,579.0	12,808.9	8,097.0	85.7	82.8	0.01	-4,635.2	-528.7	2,482.0	2,401.9	80.12	30.979	
15,400.0	10,579.0	12,908.9	8,097.0	87.2	84.3	0.01	-4,735.2	-528.1	2,482.0	2,400.4	81.62	30.409	
15,500.0	10,579.0	13,008.9	8,097.0	88.7	85.9	0.01	-4,835.2	-527.4	2,482.0	2,398.9	83.12	29.859	
15,600.0	10,579.0	13,108.9	8,097.0	90.2	87.4	0.01	-4,935.2	-526.7	2,482.0	2,397.4	84.63	29.327	
15,700.0	10,579.0	13,208.9	8,097.0	91.7	89.0	0.01	-5,035.2	-526.0	2,482.0	2,395.9	86.14	28.814	
15,800.0	10,579.0	13,308.9	8,097.0	93.2	90.6	0.01	-5,135.2	-525.3	2,482.0	2,394.3	87.65	28.317	
15,900.0	10,579.0	13,408.9	8,097.0	94.7	92.1	0.01	-5,235.2	-524.6	2,482.0	2,392.8	89.16	27.837	
16,000.0	10,579.0	13,508.9	8,097.0	96.2	93.7	0.01	-5,335.2	-523.9	2,482.0	2,391.3	90.68	27.372	
16,100.0	10,579.0	13,608.9	8,097.0	97.7	95.2	0.01	-5,435.2	-523.2	2,482.0	2,389.8	92.19	26.921	
16,200.0	10,579.0	13,708.9	8,097.0	99.2	96.8	0.01	-5,535.2	-522.5	2,482.0	2,388.3	93.71	26.485	
16,300.0	10,579.0	13,808.9	8,097.0	100.7	98.4	0.01	-5,635.2	-521.8	2,482.0	2,386.8	95.23	26.062	
16,400.0	10,579.0	13,908.9	8,097.0	102.3	100.0	0.01	-5,735.2	-521.1	2,482.0	2,385.2	96.76	25.652	
16,500.0	10,579.0	14,008.9	8,097.0	103.8	101.5	0.01	-5,835.2	-520.4	2,482.0	2,383.7	98.28	25.255	
16,600.0	10,579.0	14,108.9	8,097.0	105.3	103.1	0.01	-5,935.2	-519.7	2,482.0	2,382.2	99.80	24.869	
16,700.0	10,579.0	14,208.9	8,097.0	106.9	104.7	0.01	-6,035.2	-519.0	2,482.0	2,380.7	101.33	24.495	
16,800.0	10,579.0	14,308.9	8,097.0	108.4	106.3	0.01	-6,135.1	-518.3	2,482.0	2,379.1	102.86	24.131	
16,900.0	10,579.0	14,408.9	8,097.0	110.0	107.9	0.01	-6,235.1	-517.6	2,482.0	2,377.6	104.38	23.778	
17,000.0	10,579.0	14,508.9	8,097.0	111.5	109.5	0.01	-6,335.1	-516.9	2,482.0	2,376.1	105.91	23.434	
17,100.0	10,579.0	14,608.9	8,097.0	113.1	111.0	0.01	-6,435.1	-516.2	2,482.0	2,374.6	107.44	23.100	
17,200.0	10,579.0	14,708.9	8,097.0	114.6	112.6	0.01	-6,535.1	-515.5	2,482.0	2,373.0	108.98	22.776	
17,300.0	10,579.0	14,808.9	8,097.0	116.2	114.2	0.01	-6,635.1	-514.8	2,482.0	2,371.5	110.51	22.460	
17,400.0	10,579.0	14,908.9	8,097.0	117.7	115.8	0.01	-6,735.1	-514.1	2,482.0	2,370.0	112.04	22.152	
17,500.0	10,579.0	15,008.9	8,097.0	119.3	117.4	0.01	-6,835.1	-513.4	2,482.0	2,368.4	113.58	21.853	
17,600.0	10,579.0	15,108.9	8,097.0	120.9	119.0	0.01	-6,935.1	-512.7	2,482.0	2,366.9	115.11	21.561	
17,700.0	10,579.0	15,208.9	8,097.0	122.4	120.6	0.01	-7,035.1	-512.0	2,482.0	2,365.3	116.65	21.277	
17,800.0	10,579.0	15,308.9	8,097.0	124.0	122.2	0.01	-7,135.1	-511.3	2,482.0	2,363.8	118.19	21.000	
17,900.0	10,579.0	15,408.9	8,097.0	125.6	123.8	0.01	-7,235.1	-510.6	2,482.0	2,362.3	119.73	20.730	
18,000.0	10,579.0	15,508.9	8,097.0	127.2	125.4	0.01	-7,335.1	-509.9	2,482.0	2,360.7	121.27	20.467	
18,100.0	10,579.0	15,608.9	8,097.0	128.7	127.0	0.01	-7,435.1	-509.2	2,482.0	2,359.2	122.81	20.211	
18,200.0	10,579.0	15,708.9	8,097.0	130.3	128.6	0.01	-7,535.1	-508.5	2,482.0	2,357.7	124.35	19.960	
18,300.0	10,579.0	15,808.9	8,097.0	131.9	130.3	0.01	-7,635.1	-507.8	2,482.0	2,356.1	125.89	19.716	
18,400.0	10,579.0	15,908.9	8,097.0	133.5	131.9	0.01	-7,735.1	-507.1	2,482.0	2,354.6	127.43	19.477	
18,500.0	10,579.0	16,008.9	8,097.0	135.1	133.5	0.01	-7,835.1	-506.4	2,482.0	2,353.0	128.97	19.244	
18,600.0	10,579.0	16,108.9	8,097.0	136.6	135.1	0.01	-7,935.1	-505.7	2,482.0	2,351.5	130.52	19.017	
18,700.0	10,579.0	16,208.9	8,097.0	138.2	136.7	0.01	-8,035.1	-505.1	2,482.0	2,349.9	132.06	18.794	
18,800.0	10,579.0	16,308.9	8,097.0	139.8	138.3	0.01	-8,135.1	-504.4	2,482.0	2,348.4	133.61	18.577	
18,900.0	10,579.0	16,408.9	8,097.0	141.4	139.9	0.01	-8,235.1	-503.7	2,482.0	2,346.8	135.15	18.365	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #102H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.0	10,579.0	16,508.9	8,097.0	143.0	141.5	0.01	-8,335.1	-503.0	2,482.0	2,345.3	136.70	18.157	
19,100.0	10,579.0	16,608.9	8,097.0	144.6	143.1	0.01	-8,435.1	-502.3	2,482.0	2,343.8	138.24	17.954	
19,200.0	10,579.0	16,708.9	8,097.0	146.2	144.8	0.01	-8,535.1	-501.6	2,482.0	2,342.2	139.79	17.755	
19,300.0	10,579.0	16,808.9	8,097.0	147.8	146.4	0.01	-8,635.1	-500.9	2,482.0	2,340.7	141.34	17.561	
19,400.0	10,579.0	16,908.9	8,097.0	149.4	148.0	0.01	-8,735.1	-500.2	2,482.0	2,339.1	142.88	17.371	
19,500.0	10,579.0	17,008.9	8,097.0	151.0	149.6	0.01	-8,835.1	-499.5	2,482.0	2,337.6	144.43	17.185	
19,600.0	10,579.0	17,108.9	8,097.0	152.6	151.2	0.01	-8,935.1	-498.8	2,482.0	2,336.0	145.98	17.002	
19,700.0	10,579.0	17,208.9	8,097.0	154.2	152.9	0.00	-9,035.1	-498.1	2,482.0	2,334.5	147.53	16.824	
19,800.0	10,579.0	17,308.9	8,097.0	155.8	154.5	0.00	-9,135.1	-497.4	2,482.0	2,332.9	149.08	16.649	
19,900.0	10,579.0	17,408.9	8,097.0	157.4	156.1	0.00	-9,235.1	-496.7	2,482.0	2,331.4	150.63	16.477	
20,000.0	10,579.0	17,508.9	8,097.0	159.0	157.7	0.00	-9,335.1	-496.0	2,482.0	2,329.8	152.18	16.310	
20,100.0	10,579.0	17,608.9	8,097.0	160.6	159.3	0.00	-9,435.1	-495.3	2,482.0	2,328.3	153.73	16.145	
20,200.0	10,579.0	17,708.9	8,097.0	162.2	161.0	0.00	-9,535.1	-494.6	2,482.0	2,326.7	155.28	15.984	
20,300.0	10,579.0	17,808.9	8,097.0	163.8	162.6	0.00	-9,635.1	-493.9	2,482.0	2,325.2	156.83	15.826	
20,400.0	10,579.0	17,908.9	8,097.0	165.4	164.2	0.00	-9,735.1	-493.2	2,482.0	2,323.6	158.39	15.671	
20,500.0	10,579.0	18,008.9	8,097.0	167.0	165.8	0.00	-9,835.1	-492.5	2,482.0	2,322.1	159.94	15.519	
20,600.0	10,579.0	18,108.9	8,097.0	168.6	167.5	0.00	-9,935.1	-491.8	2,482.0	2,320.5	161.49	15.369	
20,700.0	10,579.0	18,208.9	8,097.0	170.2	169.1	0.00	-10,035.1	-491.1	2,482.0	2,319.0	163.04	15.223	
20,800.0	10,579.0	18,308.9	8,097.0	171.8	170.7	0.00	-10,135.1	-490.4	2,482.0	2,317.4	164.60	15.079	
20,900.0	10,579.0	18,408.9	8,097.0	173.4	172.3	0.00	-10,235.0	-489.7	2,482.0	2,315.9	166.15	14.938	
21,000.0	10,579.0	18,508.9	8,097.0	175.1	174.0	0.00	-10,335.0	-489.0	2,482.0	2,314.3	167.70	14.800	
21,100.0	10,579.0	18,608.9	8,097.0	176.7	175.6	0.00	-10,435.0	-488.3	2,482.0	2,312.7	169.26	14.664	
21,200.0	10,579.0	18,708.9	8,097.0	178.3	177.2	0.00	-10,535.0	-487.6	2,482.0	2,311.2	170.81	14.531	
21,300.0	10,579.0	18,808.9	8,097.0	179.9	178.9	0.00	-10,635.0	-486.9	2,482.0	2,309.6	172.37	14.400	
21,400.0	10,579.0	18,908.9	8,097.0	181.5	180.5	0.00	-10,735.0	-486.2	2,482.0	2,308.1	173.92	14.271	
21,500.0	10,579.0	19,008.9	8,097.0	183.1	182.1	0.00	-10,835.0	-485.5	2,482.0	2,306.5	175.48	14.144	
21,600.0	10,579.0	19,108.9	8,097.0	184.7	183.7	0.00	-10,935.0	-484.8	2,482.0	2,305.0	177.03	14.020	
21,700.0	10,579.0	19,208.9	8,097.0	186.4	185.4	0.00	-11,035.0	-484.1	2,482.0	2,303.4	178.59	13.898	
21,800.0	10,579.0	19,308.9	8,097.0	188.0	187.0	0.00	-11,135.0	-483.4	2,482.0	2,301.9	180.14	13.778	
21,900.0	10,579.0	19,408.9	8,097.0	189.6	188.6	0.00	-11,235.0	-482.8	2,482.0	2,300.3	181.70	13.660	
22,000.0	10,579.0	19,508.9	8,097.0	191.2	190.3	0.00	-11,335.0	-482.1	2,482.0	2,298.7	183.26	13.544	
22,100.0	10,579.0	19,608.9	8,097.0	192.8	191.9	0.00	-11,435.0	-481.4	2,482.0	2,297.2	184.81	13.430	
22,200.0	10,579.0	19,708.9	8,097.0	194.5	193.5	0.00	-11,535.0	-480.7	2,482.0	2,295.6	186.37	13.318	
22,300.0	10,579.0	19,808.9	8,097.0	196.1	195.2	0.00	-11,635.0	-480.0	2,482.0	2,294.1	187.93	13.207	
22,400.0	10,579.0	19,908.9	8,097.0	197.7	196.8	0.00	-11,735.0	-479.3	2,482.0	2,292.5	189.48	13.099	
22,500.0	10,579.0	20,008.9	8,097.0	199.3	198.4	0.00	-11,835.0	-478.6	2,482.0	2,291.0	191.04	12.992	
22,600.0	10,579.0	20,108.9	8,097.0	200.9	200.1	0.00	-11,935.0	-477.9	2,482.0	2,289.4	192.60	12.887	
22,700.0	10,579.0	20,208.9	8,097.0	202.6	201.7	0.00	-12,035.0	-477.2	2,482.0	2,287.8	194.16	12.784	
22,800.0	10,579.0	20,308.9	8,097.0	204.2	203.3	0.00	-12,135.0	-476.5	2,482.0	2,286.3	195.71	12.682	
22,900.0	10,579.0	20,408.9	8,097.0	205.8	205.0	0.00	-12,235.0	-475.8	2,482.0	2,284.7	197.27	12.582	
23,000.0	10,579.0	20,508.9	8,097.0	207.4	206.6	0.00	-12,335.0	-475.1	2,482.0	2,283.2	198.83	12.483	
23,081.2	10,579.0	20,590.1	8,097.0	208.8	207.9	0.00	-12,416.2	-474.5	2,482.0	2,281.9	200.10	12.404	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #106H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	89.69	0.5	90.1	90.1				
100.0	100.0	101.0	101.0	0.1	0.1	89.69	0.5	90.1	90.1	89.8	0.26	346.524	
200.0	200.0	201.0	201.0	0.5	0.5	89.69	0.5	90.1	90.1	89.1	0.98	92.195	
300.0	300.0	301.0	301.0	0.8	0.8	89.69	0.5	90.1	90.1	88.4	1.69	53.170	
400.0	400.0	401.0	401.0	1.2	1.2	89.69	0.5	90.1	90.1	87.6	2.41	37.358	
500.0	500.0	501.0	501.0	1.6	1.6	89.69	0.5	90.1	90.1	86.9	3.13	28.794	
600.0	600.0	601.0	601.0	1.9	1.9	89.69	0.5	90.1	90.1	86.2	3.84	23.425	
700.0	700.0	701.0	701.0	2.3	2.3	89.69	0.5	90.1	90.1	85.5	4.56	19.743	
800.0	800.0	801.0	801.0	2.6	2.6	89.69	0.5	90.1	90.1	84.8	5.28	17.061	
900.0	900.0	901.0	901.0	3.0	3.0	89.69	0.5	90.1	90.1	84.1	6.00	15.021	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	89.69	0.5	90.1	90.1	83.3	6.71	13.417	
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	89.69	0.5	90.1	90.1	82.6	7.43	12.122	
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	89.69	0.5	90.1	90.1	81.9	8.15	11.055	
1,300.0	1,300.0	1,301.0	1,301.0	4.4	4.4	89.69	0.5	90.1	90.1	81.2	8.86	10.161	
1,400.0	1,400.0	1,401.0	1,401.0	4.8	4.8	89.69	0.5	90.1	90.1	80.5	9.58	9.401	
1,500.0	1,500.0	1,501.0	1,501.0	5.1	5.2	89.69	0.5	90.1	90.1	79.8	10.30	8.746	CC
1,600.0	1,600.0	1,600.9	1,600.9	5.5	5.5	132.70	1.4	90.1	90.7	79.7	11.01	8.236	ES
1,700.0	1,700.0	1,700.9	1,700.8	5.9	5.9	132.25	4.0	90.2	92.6	80.8	11.72	7.896	
1,800.0	1,799.9	1,800.7	1,800.6	6.2	6.2	131.54	8.4	90.3	95.7	83.3	12.43	7.696	
1,900.0	1,899.7	1,900.5	1,900.2	6.6	6.6	130.63	14.5	90.4	100.1	86.9	13.15	7.613	
2,000.0	1,999.4	2,000.2	1,999.6	6.9	6.9	129.57	22.3	90.7	105.8	91.9	13.86	7.631	
2,100.0	2,098.9	2,099.7	2,098.6	7.3	7.3	128.42	31.8	90.9	112.8	98.2	14.58	7.734	
2,200.0	2,198.3	2,199.1	2,197.4	7.7	7.7	127.23	43.1	91.2	121.1	105.8	15.30	7.910	
2,300.0	2,297.4	2,301.7	2,295.7	8.0	8.0	126.04	56.0	91.6	130.7	114.6	16.05	8.143	
2,400.0	2,396.4	2,402.2	2,394.2	8.4	8.4	125.01	69.8	92.0	141.0	124.2	16.79	8.395	
2,500.0	2,495.5	2,502.8	2,492.7	8.8	8.8	124.12	83.7	92.4	151.3	133.8	17.55	8.624	
2,600.0	2,594.5	2,603.4	2,591.2	9.2	9.2	123.34	97.5	92.7	161.7	143.4	18.30	8.834	
2,700.0	2,693.5	2,703.9	2,689.6	9.6	9.6	122.66	111.3	93.1	172.1	153.0	19.07	9.026	
2,800.0	2,792.5	2,804.5	2,788.1	10.0	10.0	122.06	125.2	93.5	182.5	162.7	19.83	9.201	
2,900.0	2,891.6	2,905.0	2,886.6	10.3	10.4	121.52	139.0	93.9	192.9	172.3	20.61	9.363	
3,000.0	2,990.6	3,005.6	2,985.0	10.7	10.8	121.04	152.8	94.3	203.4	182.0	21.38	9.512	
3,100.0	3,089.6	3,106.2	3,083.5	11.1	11.2	120.60	166.7	94.6	213.9	191.7	22.16	9.650	
3,200.0	3,188.6	3,206.7	3,182.0	11.5	11.6	120.20	180.5	95.0	224.3	201.4	22.95	9.777	
3,300.0	3,287.7	3,307.3	3,280.5	11.9	11.9	119.84	194.3	95.4	234.8	211.1	23.73	9.895	
3,400.0	3,386.7	3,407.9	3,378.9	12.3	12.4	119.51	208.2	95.8	245.3	220.8	24.52	10.006	
3,500.0	3,485.7	3,491.6	3,477.4	12.7	12.7	119.21	222.0	96.2	255.8	230.6	25.24	10.135	
3,600.0	3,584.8	3,591.3	3,576.1	13.1	13.1	118.94	235.9	96.6	266.3	240.3	26.03	10.231	
3,700.0	3,683.8	3,692.7	3,676.8	13.5	13.5	119.02	248.3	96.9	276.4	249.6	26.83	10.302	
3,800.0	3,782.8	3,794.2	3,777.8	13.9	13.9	119.62	258.0	97.2	285.8	258.1	27.61	10.349	
3,900.0	3,881.8	3,895.5	3,878.9	14.3	14.3	120.69	265.0	97.4	294.5	266.1	28.38	10.377	
4,000.0	3,980.9	3,996.7	3,979.9	14.8	14.6	122.19	269.4	97.5	302.8	273.7	29.13	10.394	
4,100.0	4,079.9	4,097.5	4,080.7	15.2	15.0	124.08	271.1	97.5	310.8	280.9	29.87	10.406	
4,200.0	4,178.9	4,203.3	4,179.9	15.6	15.3	126.14	271.1	97.5	318.9	288.3	30.60	10.419	
4,283.5	4,261.6	4,279.4	4,262.6	15.9	15.6	127.78	271.1	97.5	325.9	294.7	31.17	10.454	
4,300.0	4,277.9	4,304.3	4,278.9	16.0	15.7	128.11	271.1	97.5	327.3	296.0	31.32	10.450	
4,400.0	4,377.2	4,405.0	4,378.2	16.4	16.0	129.83	271.1	97.5	335.0	303.0	32.03	10.458	
4,500.0	4,476.7	4,505.5	4,477.7	16.8	16.4	131.14	271.1	97.5	341.2	308.5	32.74	10.424	
4,600.0	4,576.5	4,605.8	4,577.5	17.1	16.7	132.06	271.1	97.5	345.9	312.4	33.44	10.344	
4,700.0	4,676.4	4,705.9	4,677.4	17.5	17.1	132.62	271.1	97.5	348.8	314.7	34.13	10.219	
4,800.0	4,776.4	4,805.9	4,777.4	17.8	17.4	132.85	271.1	97.5	350.0	315.2	34.83	10.050	
4,816.9	4,793.2	4,811.0	4,794.2	17.9	17.4	89.67	271.1	97.5	350.0	315.1	34.90	10.029	
4,900.0	4,876.4	4,905.9	4,877.4	18.2	17.8	89.67	271.1	97.5	350.0	314.5	35.52	9.855	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #106H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,976.4	5,005.9	4,977.4	18.5	18.1	89.67	271.1	97.5	350.0	313.8	36.21	9.667	
5,100.0	5,076.4	5,105.9	5,077.4	18.9	18.5	89.67	271.1	97.5	350.0	313.1	36.90	9.486	
5,200.0	5,176.4	5,205.9	5,177.4	19.2	18.8	89.67	271.1	97.5	350.0	312.4	37.59	9.311	
5,300.0	5,276.4	5,305.9	5,277.4	19.5	19.2	89.67	271.1	97.5	350.0	311.7	38.29	9.142	
5,400.0	5,376.4	5,405.9	5,377.4	19.9	19.5	89.67	271.1	97.5	350.0	311.0	38.98	8.980	
5,500.0	5,476.4	5,505.9	5,477.4	20.2	19.9	89.67	271.1	97.5	350.0	310.4	39.68	8.822	
5,600.0	5,576.4	5,605.9	5,577.4	20.6	20.2	89.67	271.1	97.5	350.0	309.7	40.37	8.670	
5,700.0	5,676.4	5,705.9	5,677.4	20.9	20.6	89.67	271.1	97.5	350.0	309.0	41.07	8.523	
5,800.0	5,776.4	5,805.9	5,777.4	21.2	20.9	89.67	271.1	97.5	350.0	308.3	41.77	8.381	
5,900.0	5,876.4	5,905.9	5,877.4	21.6	21.3	89.67	271.1	97.5	350.0	307.6	42.47	8.243	
6,000.0	5,976.4	6,005.9	5,977.4	21.9	21.6	89.67	271.1	97.5	350.0	306.9	43.16	8.109	
6,100.0	6,076.4	6,105.9	6,077.4	22.3	22.0	89.67	271.1	97.5	350.0	306.2	43.86	7.980	
6,200.0	6,176.4	6,205.9	6,177.4	22.6	22.3	89.67	271.1	97.5	350.0	305.5	44.56	7.855	
6,300.0	6,276.4	6,305.9	6,277.4	23.0	22.7	89.67	271.1	97.5	350.0	304.8	45.26	7.733	
6,400.0	6,376.4	6,405.9	6,377.4	23.3	23.0	89.67	271.1	97.5	350.0	304.1	45.96	7.615	
6,500.0	6,476.4	6,505.9	6,477.4	23.7	23.4	89.67	271.1	97.5	350.0	303.4	46.67	7.501	
6,600.0	6,576.4	6,605.9	6,577.4	24.0	23.7	89.67	271.1	97.5	350.0	302.7	47.37	7.390	
6,700.0	6,676.4	6,705.9	6,677.4	24.3	24.1	89.67	271.1	97.5	350.0	302.0	48.07	7.282	
6,800.0	6,776.4	6,805.9	6,777.4	24.7	24.4	89.67	271.1	97.5	350.0	301.3	48.77	7.177	
6,900.0	6,876.4	6,905.9	6,877.4	25.0	24.8	89.67	271.1	97.5	350.0	300.6	49.48	7.075	
7,000.0	6,976.4	7,005.9	6,977.4	25.4	25.1	89.67	271.1	97.5	350.0	299.9	50.18	6.975	
7,100.0	7,076.4	7,105.9	7,077.4	25.7	25.5	89.67	271.1	97.5	350.0	299.1	50.88	6.879	
7,200.0	7,176.4	7,205.9	7,177.4	26.1	25.8	89.67	271.1	97.5	350.0	298.4	51.59	6.785	
7,300.0	7,276.4	7,305.9	7,277.4	26.4	26.2	89.67	271.1	97.5	350.0	297.7	52.29	6.694	
7,400.0	7,376.4	7,405.9	7,377.4	26.8	26.5	89.67	271.1	97.5	350.0	297.0	53.00	6.605	
7,500.0	7,476.4	7,505.9	7,477.4	27.1	26.9	89.67	271.1	97.5	350.0	296.3	53.70	6.518	
7,600.0	7,576.4	7,605.9	7,577.4	27.5	27.2	89.67	271.1	97.5	350.0	295.6	54.41	6.433	
7,700.0	7,676.4	7,705.9	7,677.4	27.8	27.6	89.67	271.1	97.5	350.0	294.9	55.12	6.351	
7,800.0	7,776.4	7,805.9	7,777.4	28.2	28.0	89.67	271.1	97.5	350.0	294.2	55.82	6.271	
7,900.0	7,876.4	7,905.9	7,877.4	28.5	28.3	89.67	271.1	97.5	350.0	293.5	56.53	6.192	
8,000.0	7,976.4	7,994.1	7,977.4	28.9	28.6	89.67	271.1	97.5	350.0	292.8	57.19	6.120	
8,006.1	7,982.5	8,000.2	7,983.5	28.9	28.6	89.67	271.1	97.5	350.0	292.8	57.24	6.116	
8,100.0	8,076.4	8,094.0	8,077.3	29.2	29.0	89.88	269.8	97.5	350.0	292.1	57.89	6.047	
8,200.0	8,176.4	8,191.4	8,173.4	29.6	29.2	92.29	255.1	97.6	350.4	292.0	58.48	5.992 SF	
8,300.0	8,276.4	8,281.5	8,258.9	29.9	29.5	96.82	227.2	97.8	353.3	294.4	58.91	5.997	
8,400.0	8,376.4	8,361.2	8,330.2	30.3	29.6	102.47	191.6	98.1	362.1	303.2	58.91	6.147	
8,500.0	8,476.4	8,429.7	8,387.0	30.6	29.8	108.26	153.3	98.4	380.3	322.2	58.11	6.545	
8,600.0	8,576.4	8,487.7	8,431.2	31.0	29.9	113.58	115.8	98.6	410.0	353.7	56.34	7.278	
8,700.0	8,676.4	8,536.5	8,465.3	31.3	30.0	118.16	81.0	98.9	451.5	397.7	53.76	8.397	
8,800.0	8,776.4	8,577.4	8,491.5	31.7	30.1	121.98	49.5	99.1	503.5	452.7	50.77	9.917	
8,900.0	8,876.4	8,612.1	8,511.9	32.0	30.1	125.13	21.6	99.3	564.4	516.7	47.72	11.828	
9,000.0	8,976.4	8,650.0	8,532.3	32.4	30.2	128.45	-10.4	99.5	632.5	587.3	45.24	13.982	
9,100.0	9,076.4	8,666.7	8,540.6	32.7	30.3	129.86	-24.9	99.6	706.1	663.8	42.27	16.702	
9,200.0	9,176.4	8,688.4	8,550.7	33.1	30.3	131.64	-44.1	99.7	784.1	744.1	40.02	19.591	
9,300.0	9,276.4	8,700.0	8,555.8	33.4	30.3	132.57	-54.5	99.8	865.7	827.9	37.81	22.895	
9,400.0	9,376.4	8,723.8	8,565.7	33.8	30.4	134.41	-76.2	100.0	949.9	913.5	36.45	26.063	
9,500.0	9,476.4	8,750.0	8,575.4	34.2	30.5	136.34	-100.5	100.1	1,036.6	1,001.1	35.44	29.252	
9,600.0	9,576.4	8,750.0	8,575.4	34.5	30.5	136.34	-100.5	100.1	1,124.7	1,090.8	33.84	33.232	
9,700.0	9,676.4	8,750.0	8,575.4	34.9	30.5	136.34	-100.5	100.1	1,214.6	1,182.1	32.54	37.325	
9,800.0	9,776.4	8,773.2	8,583.1	35.2	30.5	137.98	-122.4	100.3	1,305.3	1,273.3	32.08	40.689	
9,900.0	9,876.4	8,782.5	8,586.0	35.6	30.5	138.61	-131.3	100.3	1,397.3	1,365.9	31.40	44.502	
10,000.0	9,976.4	8,800.0	8,590.9	35.9	30.6	139.76	-148.0	100.5	1,490.2	1,459.2	31.04	48.010	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #106H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,029.6	10,006.0	8,800.0	8,590.9	36.0	30.6	139.76	-148.0	100.5	1,517.8	1,487.0	30.84	49.221	
10,050.0	10,026.4	8,800.0	8,590.9	36.1	30.6	-53.29	-148.0	100.5	1,536.8	1,506.1	30.70	50.060	
10,100.0	10,076.2	8,800.0	8,590.9	36.2	30.6	-44.52	-148.0	100.5	1,582.7	1,552.4	30.35	52.155	
10,150.0	10,125.5	8,800.0	8,590.9	36.4	30.6	-37.78	-148.0	100.5	1,627.7	1,597.7	29.98	54.285	
10,200.0	10,173.9	8,800.0	8,590.9	36.5	30.6	-32.62	-148.0	100.5	1,671.3	1,641.7	29.62	56.428	
10,250.0	10,221.0	8,818.4	8,595.6	36.7	30.6	-28.50	-165.8	100.6	1,713.1	1,683.5	29.59	57.898	
10,300.0	10,266.4	8,825.9	8,597.3	36.8	30.7	-25.42	-173.2	100.6	1,753.2	1,723.9	29.35	59.738	
10,350.0	10,309.9	8,850.0	8,602.2	36.9	30.7	-23.01	-196.7	100.8	1,791.6	1,762.2	29.38	60.976	
10,400.0	10,351.1	8,850.0	8,602.2	37.0	30.7	-21.10	-196.7	100.8	1,827.2	1,798.2	29.03	62.952	
10,450.0	10,389.7	8,850.0	8,602.2	37.1	30.7	-19.54	-196.7	100.8	1,860.6	1,831.9	28.71	64.815	
10,500.0	10,425.3	8,850.0	8,602.2	37.2	30.7	-18.26	-196.7	100.8	1,891.6	1,863.2	28.43	66.526	
10,550.0	10,457.7	8,870.4	8,605.6	37.3	30.8	-17.31	-216.8	100.9	1,919.7	1,891.3	28.45	67.471	
10,600.0	10,486.7	8,880.3	8,607.0	37.3	30.8	-16.51	-226.6	101.0	1,945.2	1,916.8	28.38	68.549	
10,650.0	10,512.1	8,900.0	8,609.2	37.4	30.9	-15.93	-246.2	101.1	1,967.8	1,939.4	28.44	69.192	
10,700.0	10,533.6	8,900.0	8,609.2	37.5	30.9	-15.36	-246.2	101.1	1,987.2	1,958.9	28.37	70.051	
10,750.0	10,551.0	8,900.0	8,609.2	37.6	30.9	-14.90	-246.2	101.1	2,003.9	1,975.5	28.38	70.600	
10,800.0	10,564.4	8,921.8	8,611.0	37.8	30.9	-14.70	-267.9	101.3	2,017.1	1,988.5	28.61	70.503	
10,850.0	10,573.4	8,950.0	8,611.9	37.9	31.0	-14.65	-296.1	101.5	2,027.6	1,998.7	28.91	70.136	
10,900.0	10,578.2	8,950.0	8,611.9	38.1	31.0	-14.48	-296.1	101.5	2,034.2	2,005.1	29.13	69.835	
10,929.6	10,579.0	8,950.0	8,611.9	38.2	31.0	-14.42	-296.1	101.5	2,036.8	2,007.5	29.30	69.504	
11,000.0	10,579.0	8,995.5	8,612.0	38.4	31.2	-14.88	-341.6	101.8	2,042.0	2,012.1	29.90	68.290	
11,100.0	10,579.0	9,108.0	8,612.0	38.8	31.6	-15.71	-438.1	102.5	2,049.2	2,018.3	30.92	66.276	
11,200.0	10,579.0	9,189.3	8,612.0	39.2	32.0	-16.44	-535.4	103.2	2,055.7	2,023.9	31.86	64.515	
11,300.0	10,579.0	9,287.3	8,612.0	39.7	32.5	-17.06	-633.4	103.8	2,061.5	2,028.6	32.90	62.662	
11,400.0	10,579.0	9,386.0	8,612.0	40.3	33.1	-17.57	-732.1	104.5	2,066.3	2,032.4	33.96	60.850	
11,500.0	10,579.0	9,485.2	8,612.0	40.9	33.8	-17.98	-831.3	105.2	2,070.3	2,035.2	35.04	59.086	
11,600.0	10,579.0	9,584.8	8,612.0	41.5	34.5	-18.28	-930.9	105.9	2,073.1	2,037.0	36.13	57.379	
11,700.0	10,579.0	9,684.6	8,612.0	42.2	35.4	-18.46	-1,030.7	106.6	2,074.9	2,037.7	37.23	55.733	
11,800.0	10,579.0	9,784.6	8,612.0	42.9	36.2	-18.53	-1,130.6	107.3	2,075.7	2,037.3	38.33	54.154	
11,814.4	10,579.0	9,801.0	8,612.0	43.0	36.4	-18.54	-1,145.1	107.4	2,075.7	2,037.2	38.50	53.917	
11,900.0	10,579.0	9,884.6	8,612.0	43.6	37.1	-18.54	-1,230.6	108.0	2,075.7	2,036.2	39.44	52.624	
12,000.0	10,579.0	9,984.6	8,612.0	44.4	38.1	-18.54	-1,330.6	108.7	2,075.7	2,035.1	40.61	51.115	
12,100.0	10,579.0	10,084.6	8,612.0	45.3	39.1	-18.54	-1,430.6	109.4	2,075.7	2,033.9	41.82	49.634	
12,200.0	10,579.0	10,184.6	8,612.0	46.1	40.2	-18.54	-1,530.6	110.1	2,075.7	2,032.6	43.07	48.189	
12,300.0	10,579.0	10,284.6	8,612.0	47.1	41.3	-18.54	-1,630.6	110.8	2,075.7	2,031.3	44.37	46.785	
12,400.0	10,579.0	10,384.6	8,612.0	48.0	42.4	-18.54	-1,730.6	111.5	2,075.7	2,030.0	45.70	45.425	
12,500.0	10,579.0	10,484.6	8,612.0	49.0	43.6	-18.54	-1,830.6	112.2	2,075.7	2,028.6	47.06	44.111	
12,600.0	10,579.0	10,584.6	8,612.0	50.1	44.8	-18.54	-1,930.6	112.9	2,075.7	2,027.2	48.45	42.844	
12,700.0	10,579.0	10,684.6	8,612.0	51.1	46.0	-18.54	-2,030.6	113.6	2,075.7	2,025.8	49.87	41.625	
12,800.0	10,579.0	10,784.6	8,612.0	52.2	47.2	-18.54	-2,130.6	114.3	2,075.7	2,024.4	51.31	40.454	
12,900.0	10,579.0	10,884.6	8,612.0	53.4	48.5	-18.54	-2,230.6	115.0	2,075.7	2,022.9	52.78	39.329	
13,000.0	10,579.0	10,984.6	8,612.0	54.5	49.8	-18.54	-2,330.6	115.7	2,075.7	2,021.4	54.27	38.251	
13,100.0	10,579.0	11,084.6	8,612.0	55.7	51.1	-18.54	-2,430.6	116.4	2,075.7	2,019.9	55.77	37.217	
13,200.0	10,579.0	11,184.6	8,612.0	56.9	52.5	-18.54	-2,530.6	117.1	2,075.7	2,018.4	57.30	36.225	
13,300.0	10,579.0	11,284.6	8,612.0	58.1	53.8	-18.54	-2,630.6	117.8	2,075.7	2,016.9	58.84	35.276	
13,400.0	10,579.0	11,384.6	8,612.0	59.4	55.2	-18.54	-2,730.6	118.5	2,075.7	2,015.3	60.40	34.366	
13,500.0	10,579.0	11,484.6	8,612.0	60.6	56.6	-18.54	-2,830.6	119.2	2,075.7	2,013.7	61.97	33.494	
13,600.0	10,579.0	11,584.6	8,612.0	61.9	58.0	-18.54	-2,930.6	119.9	2,075.7	2,012.2	63.56	32.658	
13,700.0	10,579.0	11,684.6	8,612.0	63.2	59.4	-18.54	-3,030.6	120.6	2,075.7	2,010.6	65.16	31.857	
13,800.0	10,579.0	11,784.6	8,612.0	64.5	60.8	-18.54	-3,130.6	121.3	2,075.7	2,009.0	66.77	31.089	
13,900.0	10,579.0	11,884.6	8,612.0	65.9	62.3	-18.54	-3,230.6	122.0	2,075.7	2,007.3	68.39	30.353	
14,000.0	10,579.0	11,984.6	8,612.0	67.2	63.7	-18.54	-3,330.6	122.7	2,075.7	2,005.7	70.02	29.646	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #106H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	10,579.0	12,084.6	8,612.0	68.6	65.2	-18.54	-3,430.6	123.4	2,075.7	2,004.1	71.66	28.968	
14,200.0	10,579.0	12,184.6	8,612.0	70.0	66.6	-18.54	-3,530.6	124.1	2,075.7	2,002.4	73.30	28.317	
14,300.0	10,579.0	12,284.6	8,612.0	71.3	68.1	-18.54	-3,630.6	124.8	2,075.7	2,000.8	74.96	27.691	
14,400.0	10,579.0	12,384.6	8,612.0	72.7	69.6	-18.54	-3,730.6	125.5	2,075.7	1,999.1	76.62	27.090	
14,500.0	10,579.0	12,484.6	8,612.0	74.1	71.1	-18.54	-3,830.6	126.2	2,075.7	1,997.4	78.29	26.512	
14,600.0	10,579.0	12,584.6	8,612.0	75.6	72.6	-18.54	-3,930.6	126.9	2,075.7	1,995.8	79.97	25.956	
14,700.0	10,579.0	12,684.6	8,612.0	77.0	74.1	-18.54	-4,030.6	127.6	2,075.7	1,994.1	81.65	25.421	
14,800.0	10,579.0	12,784.6	8,612.0	78.4	75.6	-18.54	-4,130.6	128.3	2,075.7	1,992.4	83.34	24.906	
14,900.0	10,579.0	12,884.6	8,612.0	79.9	77.1	-18.54	-4,230.6	129.0	2,075.7	1,990.7	85.04	24.410	
15,000.0	10,579.0	12,984.6	8,612.0	81.3	78.6	-18.54	-4,330.6	129.7	2,075.7	1,989.0	86.74	23.932	
15,100.0	10,579.0	13,084.6	8,612.0	82.8	80.1	-18.54	-4,430.6	130.4	2,075.8	1,987.3	88.44	23.470	
15,200.0	10,579.0	13,184.6	8,612.0	84.2	81.7	-18.54	-4,530.6	131.0	2,075.8	1,985.6	90.15	23.025	
15,300.0	10,579.0	13,284.6	8,612.0	85.7	83.2	-18.54	-4,630.6	131.7	2,075.8	1,983.9	91.86	22.596	
15,400.0	10,579.0	13,384.6	8,612.0	87.2	84.7	-18.54	-4,730.6	132.4	2,075.8	1,982.2	93.58	22.181	
15,500.0	10,579.0	13,484.6	8,612.0	88.7	86.3	-18.54	-4,830.6	133.1	2,075.8	1,980.5	95.30	21.780	
15,600.0	10,579.0	13,584.6	8,612.0	90.2	87.8	-18.54	-4,930.6	133.8	2,075.8	1,978.7	97.03	21.393	
15,700.0	10,579.0	13,684.6	8,612.0	91.7	89.4	-18.54	-5,030.6	134.5	2,075.8	1,977.0	98.76	21.019	
15,800.0	10,579.0	13,784.6	8,612.0	93.2	90.9	-18.54	-5,130.6	135.2	2,075.8	1,975.3	100.49	20.656	
15,900.0	10,579.0	13,884.6	8,612.0	94.7	92.5	-18.54	-5,230.5	135.9	2,075.8	1,973.5	102.23	20.306	
16,000.0	10,579.0	13,984.6	8,612.0	96.2	94.1	-18.54	-5,330.5	136.6	2,075.8	1,971.8	103.96	19.966	
16,100.0	10,579.0	14,084.6	8,612.0	97.7	95.6	-18.54	-5,430.5	137.3	2,075.8	1,970.1	105.70	19.637	
16,200.0	10,579.0	14,184.6	8,612.0	99.2	97.2	-18.54	-5,530.5	138.0	2,075.8	1,968.3	107.45	19.319	
16,300.0	10,579.0	14,284.6	8,612.0	100.7	98.8	-18.54	-5,630.5	138.7	2,075.8	1,966.6	109.20	19.010	
16,400.0	10,579.0	14,384.6	8,612.0	102.3	100.3	-18.54	-5,730.5	139.4	2,075.8	1,964.8	110.94	18.710	
16,500.0	10,579.0	14,484.6	8,612.0	103.8	101.9	-18.54	-5,830.5	140.1	2,075.8	1,963.1	112.70	18.419	
16,600.0	10,579.0	14,584.6	8,612.0	105.3	103.5	-18.54	-5,930.5	140.8	2,075.8	1,961.3	114.45	18.137	
16,700.0	10,579.0	14,684.6	8,612.0	106.9	105.1	-18.54	-6,030.5	141.5	2,075.8	1,959.6	116.20	17.863	
16,800.0	10,579.0	14,784.6	8,612.0	108.4	106.6	-18.54	-6,130.5	142.2	2,075.8	1,957.8	117.96	17.597	
16,900.0	10,579.0	14,884.6	8,612.0	110.0	108.2	-18.54	-6,230.5	142.9	2,075.8	1,956.1	119.72	17.338	
17,000.0	10,579.0	14,984.6	8,612.0	111.5	109.8	-18.54	-6,330.5	143.6	2,075.8	1,954.3	121.48	17.087	
17,100.0	10,579.0	15,084.6	8,612.0	113.1	111.4	-18.54	-6,430.5	144.3	2,075.8	1,952.6	123.25	16.843	
17,200.0	10,579.0	15,184.6	8,612.0	114.6	113.0	-18.54	-6,530.5	145.0	2,075.8	1,950.8	125.01	16.605	
17,300.0	10,579.0	15,284.6	8,612.0	116.2	114.6	-18.54	-6,630.5	145.7	2,075.8	1,949.0	126.78	16.374	
17,400.0	10,579.0	15,384.6	8,612.0	117.7	116.2	-18.54	-6,730.5	146.4	2,075.8	1,947.3	128.55	16.148	
17,500.0	10,579.0	15,484.6	8,612.0	119.3	117.8	-18.54	-6,830.5	147.1	2,075.8	1,945.5	130.32	15.929	
17,600.0	10,579.0	15,584.6	8,612.0	120.9	119.4	-18.55	-6,930.5	147.8	2,075.8	1,943.7	132.09	15.715	
17,700.0	10,579.0	15,684.6	8,612.0	122.4	121.0	-18.55	-7,030.5	148.5	2,075.8	1,942.0	133.86	15.507	
17,800.0	10,579.0	15,784.6	8,612.0	124.0	122.6	-18.55	-7,130.5	149.2	2,075.8	1,940.2	135.63	15.305	
17,900.0	10,579.0	15,884.6	8,612.0	125.6	124.2	-18.55	-7,230.5	149.9	2,075.8	1,938.4	137.41	15.107	
18,000.0	10,579.0	15,984.6	8,612.0	127.2	125.8	-18.55	-7,330.5	150.6	2,075.8	1,936.6	139.19	14.914	
18,100.0	10,579.0	16,084.6	8,612.0	128.7	127.4	-18.55	-7,430.5	151.3	2,075.8	1,934.9	140.96	14.726	
18,200.0	10,579.0	16,184.6	8,612.0	130.3	129.0	-18.55	-7,530.5	152.0	2,075.8	1,933.1	142.74	14.542	
18,300.0	10,579.0	16,284.6	8,612.0	131.9	130.6	-18.55	-7,630.5	152.7	2,075.8	1,931.3	144.52	14.363	
18,400.0	10,579.0	16,384.6	8,612.0	133.5	132.2	-18.55	-7,730.5	153.4	2,075.8	1,929.5	146.30	14.189	
18,500.0	10,579.0	16,484.6	8,612.0	135.1	133.8	-18.55	-7,830.5	154.1	2,075.8	1,927.7	148.09	14.018	
18,600.0	10,579.0	16,584.6	8,612.0	136.6	135.4	-18.55	-7,930.5	154.8	2,075.8	1,926.0	149.87	13.851	
18,700.0	10,579.0	16,684.6	8,612.0	138.2	137.0	-18.55	-8,030.5	155.5	2,075.8	1,924.2	151.65	13.688	
18,800.0	10,579.0	16,784.6	8,612.0	139.8	138.6	-18.55	-8,130.5	156.2	2,075.8	1,922.4	153.44	13.529	
18,900.0	10,579.0	16,884.6	8,612.0	141.4	140.3	-18.55	-8,230.5	156.9	2,075.8	1,920.6	155.22	13.373	
19,000.0	10,579.0	16,984.6	8,612.0	143.0	141.9	-18.55	-8,330.5	157.6	2,075.8	1,918.8	157.01	13.221	
19,100.0	10,579.0	17,084.6	8,612.0	144.6	143.5	-18.55	-8,430.5	158.3	2,075.8	1,917.1	158.80	13.072	
19,200.0	10,579.0	17,184.6	8,612.0	146.2	145.1	-18.55	-8,530.5	159.0	2,075.8	1,915.3	160.59	12.927	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #106H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.0	10,579.0	17,284.6	8,612.0	147.8	146.7	-18.55	-8,630.5	159.7	2,075.9	1,913.5	162.37	12.784	
19,400.0	10,579.0	17,384.6	8,612.0	149.4	148.3	-18.55	-8,730.5	160.4	2,075.9	1,911.7	164.16	12.645	
19,500.0	10,579.0	17,484.6	8,612.0	151.0	149.9	-18.55	-8,830.5	161.1	2,075.9	1,909.9	165.96	12.509	
19,600.0	10,579.0	17,584.6	8,612.0	152.6	151.6	-18.55	-8,930.5	161.8	2,075.9	1,908.1	167.75	12.375	
19,700.0	10,579.0	17,684.6	8,612.0	154.2	153.2	-18.55	-9,030.5	162.5	2,075.9	1,906.3	169.54	12.244	
19,800.0	10,579.0	17,784.6	8,612.0	155.8	154.8	-18.55	-9,130.5	163.2	2,075.9	1,904.5	171.33	12.116	
19,900.0	10,579.0	17,884.6	8,612.0	157.4	156.4	-18.55	-9,230.5	163.9	2,075.9	1,902.7	173.12	11.991	
20,000.0	10,579.0	17,984.6	8,612.0	159.0	158.0	-18.55	-9,330.4	164.6	2,075.9	1,901.0	174.92	11.868	
20,100.0	10,579.0	18,084.6	8,612.0	160.6	159.7	-18.55	-9,430.4	165.3	2,075.9	1,899.2	176.71	11.747	
20,200.0	10,579.0	18,184.6	8,612.0	162.2	161.3	-18.55	-9,530.4	166.0	2,075.9	1,897.4	178.51	11.629	
20,300.0	10,579.0	18,284.6	8,612.0	163.8	162.9	-18.55	-9,630.4	166.7	2,075.9	1,895.6	180.30	11.513	
20,400.0	10,579.0	18,384.6	8,612.0	165.4	164.5	-18.55	-9,730.4	167.4	2,075.9	1,893.8	182.10	11.400	
20,500.0	10,579.0	18,484.6	8,612.0	167.0	166.2	-18.55	-9,830.4	168.0	2,075.9	1,892.0	183.90	11.288	
20,600.0	10,579.0	18,584.6	8,612.0	168.6	167.8	-18.55	-9,930.4	168.7	2,075.9	1,890.2	185.69	11.179	
20,700.0	10,579.0	18,684.6	8,612.0	170.2	169.4	-18.55	-10,030.4	169.4	2,075.9	1,888.4	187.49	11.072	
20,800.0	10,579.0	18,784.6	8,612.0	171.8	171.0	-18.55	-10,130.4	170.1	2,075.9	1,886.6	189.29	10.967	
20,900.0	10,579.0	18,884.6	8,612.0	173.4	172.7	-18.55	-10,230.4	170.8	2,075.9	1,884.8	191.09	10.863	
21,000.0	10,579.0	18,984.6	8,612.0	175.1	174.3	-18.55	-10,330.4	171.5	2,075.9	1,883.0	192.89	10.762	
21,100.0	10,579.0	19,084.6	8,612.0	176.7	175.9	-18.55	-10,430.4	172.2	2,075.9	1,881.2	194.69	10.663	
21,200.0	10,579.0	19,184.6	8,612.0	178.3	177.5	-18.55	-10,530.4	172.9	2,075.9	1,879.4	196.49	10.565	
21,300.0	10,579.0	19,284.6	8,612.0	179.9	179.2	-18.55	-10,630.4	173.6	2,075.9	1,877.6	198.29	10.469	
21,400.0	10,579.0	19,384.6	8,612.0	181.5	180.8	-18.55	-10,730.4	174.3	2,075.9	1,875.8	200.09	10.375	
21,500.0	10,579.0	19,484.6	8,612.0	183.1	182.4	-18.55	-10,830.4	175.0	2,075.9	1,874.0	201.89	10.282	
21,600.0	10,579.0	19,584.6	8,612.0	184.7	184.1	-18.55	-10,930.4	175.7	2,075.9	1,872.2	203.69	10.191	
21,700.0	10,579.0	19,684.6	8,612.0	186.4	185.7	-18.55	-11,030.4	176.4	2,075.9	1,870.4	205.50	10.102	
21,800.0	10,579.0	19,784.6	8,612.0	188.0	187.3	-18.55	-11,130.4	177.1	2,075.9	1,868.6	207.30	10.014	
21,900.0	10,579.0	19,884.6	8,612.0	189.6	188.9	-18.55	-11,230.4	177.8	2,075.9	1,866.8	209.10	9.928	
22,000.0	10,579.0	19,984.6	8,612.0	191.2	190.6	-18.55	-11,330.4	178.5	2,075.9	1,865.0	210.90	9.843	
22,100.0	10,579.0	20,084.6	8,612.0	192.8	192.2	-18.55	-11,430.4	179.2	2,075.9	1,863.2	212.71	9.759	
22,200.0	10,579.0	20,184.6	8,612.0	194.5	193.8	-18.55	-11,530.4	179.9	2,075.9	1,861.4	214.51	9.677	
22,300.0	10,579.0	20,284.6	8,612.0	196.1	195.5	-18.55	-11,630.4	180.6	2,075.9	1,859.6	216.32	9.597	
22,400.0	10,579.0	20,384.6	8,612.0	197.7	197.1	-18.55	-11,730.4	181.3	2,075.9	1,857.8	218.12	9.517	
22,500.0	10,579.0	20,484.6	8,612.0	199.3	198.7	-18.55	-11,830.4	182.0	2,075.9	1,856.0	219.93	9.439	
22,600.0	10,579.0	20,584.6	8,612.0	200.9	200.4	-18.55	-11,930.4	182.7	2,075.9	1,854.2	221.73	9.362	
22,700.0	10,579.0	20,684.6	8,612.0	202.6	202.0	-18.55	-12,030.4	183.4	2,075.9	1,852.4	223.54	9.287	
22,800.0	10,579.0	20,784.6	8,612.0	204.2	203.6	-18.55	-12,130.4	184.1	2,075.9	1,850.6	225.34	9.212	
22,900.0	10,579.0	20,884.6	8,612.0	205.8	205.3	-18.55	-12,230.4	184.8	2,075.9	1,848.8	227.15	9.139	
23,000.0	10,579.0	20,984.6	8,612.0	207.4	206.9	-18.55	-12,330.4	185.5	2,075.9	1,847.0	228.96	9.067	
23,081.2	10,579.0	21,073.3	8,612.0	208.8	208.4	-18.54	-12,419.1	185.4	2,075.7	1,845.3	230.44	9.008	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #112H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	134.80	-30.0	30.2	42.5				
100.0	100.0	100.0	100.0	0.1	0.1	134.80	-30.0	30.2	42.5	42.3	0.26	165.949	
200.0	200.0	200.0	200.0	0.5	0.5	134.80	-30.0	30.2	42.5	41.6	0.97	43.703	
300.0	300.0	300.0	300.0	0.8	0.8	134.80	-30.0	30.2	42.5	40.8	1.69	25.165	
400.0	400.0	400.0	400.0	1.2	1.2	134.80	-30.0	30.2	42.5	40.1	2.41	17.670	
500.0	500.0	500.0	500.0	1.6	1.6	134.80	-30.0	30.2	42.5	39.4	3.12	13.615	
600.0	600.0	600.0	600.0	1.9	1.9	134.80	-30.0	30.2	42.5	38.7	3.84	11.074	
700.0	700.0	700.0	700.0	2.3	2.3	134.80	-30.0	30.2	42.5	38.0	4.56	9.332	
800.0	800.0	800.0	800.0	2.6	2.6	134.80	-30.0	30.2	42.5	37.3	5.27	8.063	
900.0	900.0	900.0	900.0	3.0	3.0	134.80	-30.0	30.2	42.5	36.5	5.99	7.099	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	134.80	-30.0	30.2	42.5	35.8	6.71	6.340	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	134.80	-30.0	30.2	42.5	35.1	7.43	5.728	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	134.80	-30.0	30.2	42.5	34.4	8.14	5.224	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	134.80	-30.0	30.2	42.5	33.7	8.86	4.801	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	134.80	-30.0	30.2	42.5	33.0	9.58	4.441	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	134.80	-30.0	30.2	42.5	32.2	10.29	4.132	CC
1,600.0	1,600.0	1,600.7	1,600.7	5.5	5.5	178.31	-29.5	29.4	42.6	31.5	11.00	3.867	
1,700.0	1,700.0	1,701.4	1,701.4	5.9	5.9	179.31	-28.2	27.1	42.6	30.9	11.71	3.641	
1,800.0	1,799.9	1,802.2	1,802.0	6.2	6.2	-179.03	-25.9	23.3	42.8	30.4	12.41	3.447	
1,900.0	1,899.7	1,902.9	1,902.5	6.6	6.6	-176.73	-22.8	18.0	43.0	29.9	13.11	3.283	
2,000.0	1,999.4	2,003.5	2,002.9	6.9	6.9	-173.82	-18.7	11.1	43.5	29.7	13.81	3.148	
2,100.0	2,098.9	2,104.2	2,103.1	7.3	7.3	-170.35	-13.8	2.8	44.2	29.6	14.51	3.043	ES
2,200.0	2,198.3	2,204.9	2,203.1	7.7	7.7	-166.42	-7.9	-7.1	45.2	29.9	15.22	2.967	
2,300.0	2,297.4	2,305.5	2,302.8	8.0	8.0	-162.11	-1.2	-18.5	46.6	30.6	15.94	2.923	
2,400.0	2,396.4	2,405.4	2,401.7	8.4	8.4	-157.93	5.9	-30.4	48.4	31.8	16.68	2.903	
2,500.0	2,495.5	2,505.3	2,500.7	8.8	8.8	-154.07	12.9	-42.4	50.5	33.1	17.43	2.898	SF
2,600.0	2,594.5	2,605.2	2,599.6	9.2	9.2	-150.54	20.0	-54.4	52.8	34.6	18.19	2.903	
2,700.0	2,693.5	2,705.1	2,698.6	9.6	9.6	-147.31	27.1	-66.4	55.3	36.3	18.96	2.917	
2,800.0	2,792.5	2,805.0	2,797.5	10.0	10.0	-144.36	34.2	-78.3	57.9	38.2	19.73	2.936	
2,900.0	2,891.6	2,905.0	2,896.5	10.3	10.4	-141.68	41.2	-90.3	60.7	40.2	20.51	2.960	
3,000.0	2,990.6	3,004.9	2,995.4	10.7	10.7	-139.24	48.3	-102.3	63.6	42.3	21.30	2.987	
3,100.0	3,089.6	3,104.8	3,094.4	11.1	11.1	-137.01	55.4	-114.3	66.6	44.6	22.09	3.017	
3,200.0	3,188.6	3,204.7	3,193.3	11.5	11.5	-134.98	62.5	-126.2	69.7	46.9	22.88	3.048	
3,300.0	3,287.7	3,304.7	3,292.3	11.9	11.9	-133.12	69.5	-138.2	72.9	49.2	23.68	3.079	
3,400.0	3,386.7	3,404.6	3,391.2	12.3	12.3	-131.42	76.6	-150.2	76.2	51.7	24.48	3.111	
3,500.0	3,485.7	3,504.5	3,490.2	12.7	12.7	-129.86	83.7	-162.1	79.5	54.2	25.29	3.143	
3,600.0	3,584.8	3,604.4	3,589.1	13.1	13.1	-128.43	90.7	-174.1	82.9	56.8	26.09	3.175	
3,700.0	3,683.8	3,704.3	3,688.1	13.5	13.6	-127.11	97.8	-186.1	86.3	59.4	26.90	3.207	
3,800.0	3,782.8	3,804.3	3,787.0	13.9	14.0	-125.89	104.9	-198.1	89.7	62.0	27.71	3.238	
3,900.0	3,881.8	3,904.2	3,886.0	14.3	14.4	-124.76	112.0	-210.0	93.2	64.7	28.53	3.268	
4,000.0	3,980.9	4,004.1	3,984.9	14.8	14.8	-123.72	119.0	-222.0	96.7	67.4	29.34	3.297	
4,100.0	4,079.9	4,104.0	4,083.9	15.2	15.2	-122.74	126.1	-234.0	100.3	70.1	30.16	3.326	
4,200.0	4,178.9	4,204.0	4,182.8	15.6	15.6	-121.84	133.2	-246.0	103.9	72.9	30.98	3.354	
4,283.5	4,261.6	4,287.4	4,265.5	15.9	15.9	-121.13	139.1	-256.0	106.9	75.2	31.66	3.377	
4,300.0	4,277.9	4,303.9	4,281.8	16.0	16.0	-120.98	140.3	-257.9	107.5	75.7	31.79	3.381	
4,400.0	4,377.2	4,403.8	4,380.7	16.4	16.4	-119.45	147.3	-269.9	110.3	77.6	32.62	3.380	
4,500.0	4,476.7	4,503.6	4,479.6	16.8	16.8	-116.80	154.4	-281.9	111.9	78.4	33.45	3.345	
4,600.0	4,576.5	4,603.4	4,578.3	17.1	17.2	-113.01	161.5	-293.8	112.7	78.5	34.27	3.289	
4,700.0	4,676.4	4,702.9	4,676.9	17.5	17.6	-108.06	168.5	-305.7	113.2	78.1	35.08	3.227	
4,800.0	4,776.4	4,802.1	4,775.2	17.8	18.0	-101.95	175.5	-317.6	114.0	78.1	35.85	3.179	
4,816.9	4,793.2	4,818.8	4,791.7	17.9	18.1	-143.98	176.7	-319.6	114.2	78.2	35.97	3.174	
4,900.0	4,876.4	4,901.1	4,873.2	18.2	18.5	-138.33	182.6	-329.5	115.9	79.3	36.56	3.169	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #112H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,976.4	5,000.2	4,971.3	18.5	18.9	-131.82	189.6	-341.4	119.3	82.1	37.22	3.206	
5,100.0	5,076.4	5,100.8	5,069.4	18.9	19.3	-125.74	196.6	-353.2	124.3	86.4	37.85	3.284	
5,200.0	5,176.4	5,201.8	5,167.4	19.2	19.7	-120.18	203.6	-365.1	130.6	92.1	38.46	3.394	
5,300.0	5,276.4	5,302.7	5,265.5	19.5	20.1	-115.16	210.6	-377.0	137.9	98.9	39.06	3.531	
5,400.0	5,376.4	5,396.3	5,363.6	19.9	20.5	-110.68	217.6	-388.8	146.3	106.6	39.63	3.691	
5,500.0	5,476.4	5,495.3	5,461.6	20.2	20.9	-106.69	224.6	-400.7	155.4	115.2	40.23	3.863	
5,600.0	5,576.4	5,594.3	5,559.7	20.6	21.3	-103.16	231.6	-412.5	165.2	124.4	40.84	4.046	
5,700.0	5,676.4	5,706.6	5,657.7	20.9	21.8	-100.03	238.6	-424.4	175.6	134.1	41.50	4.231	
5,800.0	5,776.4	5,792.4	5,755.8	21.2	22.1	-97.26	245.7	-436.3	186.4	144.3	42.08	4.430	
5,900.0	5,876.4	5,894.2	5,856.7	21.6	22.6	-94.82	252.6	-448.0	197.2	154.4	42.75	4.612	
6,000.0	5,976.4	5,998.2	5,960.1	21.9	23.0	-93.00	258.3	-457.7	206.1	162.7	43.46	4.743	
6,100.0	6,076.4	6,102.7	6,064.2	22.3	23.4	-91.74	262.6	-465.0	212.9	168.8	44.15	4.823	
6,200.0	6,176.4	6,207.5	6,168.9	22.6	23.7	-90.94	265.5	-469.9	217.5	172.7	44.84	4.851	
6,300.0	6,276.4	6,312.6	6,274.0	23.0	24.1	-90.56	266.9	-472.3	219.8	174.3	45.51	4.830	
6,400.0	6,376.4	6,415.0	6,376.4	23.3	24.4	-90.52	267.1	-472.5	220.0	173.9	46.18	4.765	
6,500.0	6,476.4	6,515.0	6,476.4	23.7	24.8	-90.52	267.1	-472.5	220.0	173.2	46.87	4.695	
6,600.0	6,576.4	6,615.0	6,576.4	24.0	25.1	-90.52	267.1	-472.5	220.0	172.5	47.56	4.626	
6,700.0	6,676.4	6,715.0	6,676.4	24.3	25.4	-90.52	267.1	-472.5	220.0	171.8	48.25	4.560	
6,800.0	6,776.4	6,815.0	6,776.4	24.7	25.8	-90.52	267.1	-472.5	220.0	171.1	48.95	4.496	
6,900.0	6,876.4	6,915.0	6,876.4	25.0	26.1	-90.52	267.1	-472.5	220.0	170.4	49.64	4.433	
7,000.0	6,976.4	7,015.0	6,976.4	25.4	26.4	-90.52	267.1	-472.5	220.0	169.7	50.33	4.372	
7,100.0	7,076.4	7,115.0	7,076.4	25.7	26.8	-90.52	267.1	-472.5	220.0	169.0	51.03	4.312	
7,200.0	7,176.4	7,215.0	7,176.4	26.1	27.1	-90.52	267.1	-472.5	220.0	168.3	51.72	4.254	
7,300.0	7,276.4	7,315.0	7,276.4	26.4	27.4	-90.52	267.1	-472.5	220.0	167.6	52.42	4.198	
7,400.0	7,376.4	7,415.0	7,376.4	26.8	27.8	-90.52	267.1	-472.5	220.0	166.9	53.11	4.143	
7,500.0	7,476.4	7,515.0	7,476.4	27.1	28.1	-90.52	267.1	-472.5	220.0	166.2	53.81	4.089	
7,600.0	7,576.4	7,615.0	7,576.4	27.5	28.4	-90.52	267.1	-472.5	220.0	165.5	54.51	4.037	
7,700.0	7,676.4	7,715.0	7,676.4	27.8	28.8	-90.52	267.1	-472.5	220.0	164.8	55.21	3.986	
7,800.0	7,776.4	7,815.0	7,776.4	28.2	29.1	-90.52	267.1	-472.5	220.0	164.1	55.91	3.936	
7,900.0	7,876.4	7,915.0	7,876.4	28.5	29.4	-90.52	267.1	-472.5	220.0	163.4	56.60	3.887	
8,000.0	7,976.4	8,015.0	7,976.4	28.9	29.8	-90.52	267.1	-472.5	220.0	162.7	57.30	3.840	
8,100.0	8,076.4	8,115.0	8,076.4	29.2	30.1	-90.52	267.1	-472.5	220.0	162.0	58.00	3.794	
8,200.0	8,176.4	8,215.0	8,176.4	29.6	30.4	-90.52	267.1	-472.5	220.0	161.3	58.70	3.748	
8,300.0	8,276.4	8,315.0	8,276.4	29.9	30.8	-90.52	267.1	-472.5	220.0	160.6	59.40	3.704	
8,400.0	8,376.4	8,415.0	8,376.4	30.3	31.1	-90.52	267.1	-472.5	220.0	159.9	60.10	3.661	
8,407.1	8,383.5	8,422.2	8,383.5	30.3	31.1	-90.52	267.1	-472.5	220.0	159.9	60.15	3.658	
8,500.0	8,476.4	8,514.0	8,475.3	30.6	31.5	-90.62	266.7	-472.6	220.1	159.3	60.81	3.619	
8,600.0	8,576.4	8,607.9	8,568.5	31.0	31.7	-93.48	255.6	-473.9	221.9	160.4	61.56	3.605	
8,700.0	8,676.4	8,695.9	8,653.0	31.3	32.0	-99.48	231.6	-476.6	228.4	166.3	62.18	3.674	
8,800.0	8,776.4	8,775.1	8,725.1	31.7	32.1	-107.02	199.3	-480.4	243.8	181.7	62.10	3.925	
8,900.0	8,876.4	8,844.0	8,783.7	32.0	32.3	-114.49	163.4	-484.5	271.3	210.5	60.75	4.465	
9,000.0	8,976.4	8,900.0	8,827.9	32.4	32.4	-120.66	129.2	-488.5	311.9	254.0	57.95	5.383	
9,100.0	9,076.4	8,950.0	8,864.3	32.7	32.4	-125.93	95.2	-492.4	364.4	309.7	54.68	6.663	
9,200.0	9,176.4	9,000.0	8,897.6	33.1	32.5	-130.82	58.1	-496.7	426.4	374.5	51.88	8.219	
9,300.0	9,276.4	9,031.4	8,916.8	33.4	32.5	-133.64	33.5	-499.6	495.8	447.4	48.42	10.240	
9,400.0	9,376.4	9,062.1	8,934.2	33.8	32.6	-136.21	8.3	-502.5	570.9	525.3	45.65	12.507	
9,500.0	9,476.4	9,088.5	8,948.1	34.2	32.6	-138.25	-13.9	-505.0	650.3	607.1	43.26	15.035	
9,600.0	9,576.4	9,100.0	8,953.8	34.5	32.6	-139.10	-23.8	-506.2	733.3	692.7	40.64	18.045	
9,700.0	9,676.4	9,131.1	8,968.3	34.9	32.6	-141.27	-51.2	-509.4	818.5	779.0	39.50	20.721	
9,800.0	9,776.4	9,150.0	8,976.3	35.2	32.6	-142.49	-68.2	-511.3	906.0	867.8	38.12	23.765	
9,900.0	9,876.4	9,150.0	8,976.3	35.6	32.6	-142.49	-68.2	-511.3	995.4	959.1	36.31	27.415	
10,000.0	9,976.4	9,177.5	8,987.0	35.9	32.7	-144.16	-93.3	-514.2	1,085.6	1,049.8	35.84	30.293	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #112H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,029.6	10,006.0	9,181.2	8,988.4	36.0	32.7	-144.38	-96.8	-514.6	1,112.7	1,077.1	35.57	31.281	
10,050.0	10,026.4	9,183.8	8,989.3	36.1	32.7	16.84	-99.2	-514.9	1,131.2	1,095.8	35.39	31.968	
10,100.0	10,076.2	9,200.0	8,994.9	36.2	32.7	13.64	-114.3	-516.7	1,175.7	1,140.5	35.18	33.415	
10,150.0	10,125.5	9,200.0	8,994.9	36.4	32.7	11.86	-114.3	-516.7	1,218.2	1,183.8	34.39	35.423	
10,200.0	10,173.9	9,200.0	8,994.9	36.5	32.7	10.49	-114.3	-516.7	1,259.0	1,225.4	33.56	37.509	
10,250.0	10,221.0	9,217.1	9,000.3	36.7	32.7	9.08	-130.4	-518.5	1,297.6	1,264.4	33.20	39.081	
10,300.0	10,266.4	9,227.1	9,003.2	36.8	32.7	8.10	-139.9	-519.6	1,334.0	1,301.4	32.60	40.925	
10,350.0	10,309.9	9,250.0	9,009.3	36.9	32.8	7.14	-161.8	-522.2	1,368.2	1,335.9	32.29	42.369	
10,400.0	10,351.1	9,250.0	9,009.3	37.0	32.8	6.66	-161.8	-522.2	1,399.5	1,368.1	31.39	44.583	
10,450.0	10,389.7	9,250.0	9,009.3	37.1	32.8	6.25	-161.8	-522.2	1,428.5	1,398.0	30.53	46.796	
10,500.0	10,425.3	9,272.1	9,014.3	37.2	32.8	5.69	-183.2	-524.6	1,454.5	1,424.4	30.16	48.225	
10,550.0	10,457.7	9,300.0	9,019.5	37.3	32.9	5.16	-210.4	-527.8	1,478.1	1,448.2	29.90	49.437	
10,600.0	10,486.7	9,300.0	9,019.5	37.3	32.9	4.97	-210.4	-527.8	1,498.3	1,469.1	29.12	51.445	
10,650.0	10,512.1	9,300.0	9,019.5	37.4	32.9	4.81	-210.4	-527.8	1,515.8	1,487.4	28.44	53.293	
10,700.0	10,533.6	9,322.2	9,022.6	37.5	32.9	4.51	-232.3	-530.3	1,530.1	1,502.0	28.16	54.332	
10,750.0	10,551.0	9,350.0	9,025.4	37.6	33.0	4.20	-259.7	-533.5	1,541.7	1,513.7	27.98	55.098	
10,800.0	10,564.4	9,350.0	9,025.4	37.8	33.0	4.14	-259.7	-533.5	1,549.7	1,522.2	27.54	56.269	
10,850.0	10,573.4	9,350.0	9,025.4	37.9	33.0	4.11	-259.7	-533.5	1,554.9	1,527.7	27.25	57.064	
10,900.0	10,578.2	9,374.8	9,026.7	38.1	33.0	3.92	-284.3	-536.3	1,556.7	1,529.5	27.22	57.183	
10,929.6	10,579.0	9,392.7	9,027.0	38.2	33.1	3.80	-302.1	-538.4	1,556.5	1,529.2	27.24	57.132	
11,000.0	10,579.0	9,425.9	9,027.0	38.4	33.2	3.62	-335.1	-542.0	1,555.2	1,527.8	27.34	56.881	
11,100.0	10,579.0	9,527.6	9,027.0	38.8	33.6	2.99	-436.4	-550.7	1,554.2	1,526.5	27.72	56.060	
11,200.0	10,579.0	9,628.7	9,027.0	39.2	34.0	2.36	-537.4	-555.8	1,553.4	1,525.2	28.20	55.091	
11,300.0	10,579.0	9,729.1	9,027.0	39.7	34.5	1.73	-637.8	-557.4	1,552.7	1,524.0	28.75	54.002	
11,400.0	10,579.0	9,828.0	9,027.0	40.3	35.1	1.15	-736.7	-556.7	1,552.3	1,522.9	29.41	52.788	
11,500.0	10,579.0	9,927.2	9,027.0	40.9	35.7	0.68	-835.9	-556.0	1,552.1	1,522.0	30.16	51.463	
11,600.0	10,579.0	10,026.8	9,027.0	41.5	36.4	0.35	-935.5	-555.3	1,552.0	1,521.0	31.00	50.061	
11,700.0	10,579.0	10,126.6	9,027.0	42.2	37.1	0.14	-1,035.3	-554.6	1,552.0	1,520.1	31.92	48.614	
11,800.0	10,579.0	10,226.6	9,027.0	42.9	37.9	0.05	-1,135.3	-553.9	1,552.0	1,519.1	32.92	47.147	
11,814.4	10,579.0	10,241.0	9,027.0	43.0	38.1	0.05	-1,149.7	-553.8	1,552.0	1,518.9	33.07	46.934	
11,900.0	10,579.0	10,326.6	9,027.0	43.6	38.8	0.05	-1,235.3	-553.2	1,552.0	1,518.0	33.97	45.690	
12,000.0	10,579.0	10,426.6	9,027.0	44.4	39.7	0.05	-1,335.3	-552.5	1,552.0	1,516.9	35.06	44.272	
12,100.0	10,579.0	10,526.6	9,027.0	45.3	40.7	0.05	-1,435.3	-551.8	1,552.0	1,515.8	36.18	42.897	
12,200.0	10,579.0	10,626.6	9,027.0	46.1	41.7	0.05	-1,535.3	-551.1	1,552.0	1,514.7	37.33	41.570	
12,300.0	10,579.0	10,726.6	9,027.0	47.1	42.7	0.05	-1,635.3	-550.4	1,552.0	1,513.5	38.52	40.292	
12,400.0	10,579.0	10,826.6	9,027.0	48.0	43.8	0.05	-1,735.3	-549.7	1,552.0	1,512.3	39.73	39.064	
12,500.0	10,579.0	10,926.6	9,027.0	49.0	44.9	0.05	-1,835.3	-549.0	1,552.0	1,511.0	40.96	37.887	
12,600.0	10,579.0	11,026.6	9,027.0	50.1	46.0	0.05	-1,935.3	-548.3	1,552.0	1,509.8	42.22	36.759	
12,700.0	10,579.0	11,126.6	9,027.0	51.1	47.2	0.05	-2,035.2	-547.6	1,552.0	1,508.5	43.50	35.680	
12,800.0	10,579.0	11,226.6	9,027.0	52.2	48.4	0.05	-2,135.2	-546.9	1,552.0	1,507.2	44.79	34.649	
12,900.0	10,579.0	11,326.6	9,027.0	53.4	49.6	0.05	-2,235.2	-546.2	1,552.0	1,505.9	46.10	33.663	
13,000.0	10,579.0	11,426.6	9,027.0	54.5	50.9	0.05	-2,335.2	-545.4	1,552.0	1,504.6	47.43	32.721	
13,100.0	10,579.0	11,526.6	9,027.0	55.7	52.2	0.05	-2,435.2	-544.7	1,552.0	1,503.2	48.77	31.821	
13,200.0	10,579.0	11,626.6	9,027.0	56.9	53.4	0.04	-2,535.2	-544.0	1,552.0	1,501.9	50.13	30.961	
13,300.0	10,579.0	11,726.6	9,027.0	58.1	54.8	0.04	-2,635.2	-543.3	1,552.0	1,500.5	51.49	30.140	
13,400.0	10,579.0	11,826.6	9,027.0	59.4	56.1	0.04	-2,735.2	-542.6	1,552.0	1,499.1	52.87	29.354	
13,500.0	10,579.0	11,926.6	9,027.0	60.6	57.4	0.04	-2,835.2	-541.9	1,552.0	1,497.7	54.26	28.603	
13,600.0	10,579.0	12,026.6	9,027.0	61.9	58.8	0.04	-2,935.2	-541.2	1,552.0	1,496.3	55.66	27.885	
13,700.0	10,579.0	12,126.6	9,027.0	63.2	60.2	0.04	-3,035.2	-540.5	1,552.0	1,494.9	57.06	27.198	
13,800.0	10,579.0	12,226.6	9,027.0	64.5	61.6	0.04	-3,135.2	-539.8	1,552.0	1,493.5	58.48	26.540	
13,900.0	10,579.0	12,326.6	9,027.0	65.9	63.0	0.04	-3,235.2	-539.1	1,552.0	1,492.1	59.90	25.910	
14,000.0	10,579.0	12,426.6	9,027.0	67.2	64.4	0.04	-3,335.2	-538.4	1,552.0	1,490.7	61.33	25.306	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #112H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	10,579.0	12,526.6	9,027.0	68.6	65.8	0.04	-3,435.2	-537.7	1,552.0	1,489.2	62.77	24.727	
14,200.0	10,579.0	12,626.6	9,027.0	70.0	67.3	0.04	-3,535.2	-537.0	1,552.0	1,487.8	64.21	24.171	
14,300.0	10,579.0	12,726.6	9,027.0	71.3	68.7	0.04	-3,635.2	-536.3	1,552.0	1,486.3	65.66	23.638	
14,400.0	10,579.0	12,826.6	9,027.0	72.7	70.2	0.04	-3,735.2	-535.6	1,552.0	1,484.9	67.11	23.126	
14,500.0	10,579.0	12,926.6	9,027.0	74.1	71.6	0.04	-3,835.2	-534.9	1,552.0	1,483.4	68.57	22.635	
14,600.0	10,579.0	13,026.6	9,027.0	75.6	73.1	0.04	-3,935.2	-534.2	1,552.0	1,482.0	70.03	22.162	
14,700.0	10,579.0	13,126.6	9,027.0	77.0	74.6	0.04	-4,035.2	-533.5	1,552.0	1,480.5	71.50	21.707	
14,800.0	10,579.0	13,226.6	9,027.0	78.4	76.1	0.04	-4,135.2	-532.8	1,552.0	1,479.0	72.97	21.269	
14,900.0	10,579.0	13,326.6	9,027.0	79.9	77.5	0.04	-4,235.2	-532.1	1,552.0	1,477.6	74.45	20.847	
15,000.0	10,579.0	13,426.6	9,027.0	81.3	79.0	0.04	-4,335.2	-531.4	1,552.0	1,476.1	75.93	20.441	
15,100.0	10,579.0	13,526.6	9,027.0	82.8	80.6	0.04	-4,435.2	-530.7	1,552.0	1,474.6	77.41	20.049	
15,200.0	10,579.0	13,626.6	9,027.0	84.2	82.1	0.04	-4,535.2	-530.0	1,552.0	1,473.1	78.90	19.671	
15,300.0	10,579.0	13,726.6	9,027.0	85.7	83.6	0.04	-4,635.2	-529.3	1,552.0	1,471.6	80.39	19.307	
15,400.0	10,579.0	13,826.6	9,027.0	87.2	85.1	0.03	-4,735.2	-528.6	1,552.0	1,470.1	81.88	18.955	
15,500.0	10,579.0	13,926.6	9,027.0	88.7	86.6	0.03	-4,835.2	-527.9	1,552.0	1,468.6	83.37	18.615	
15,600.0	10,579.0	14,026.6	9,027.0	90.2	88.2	0.03	-4,935.2	-527.1	1,552.0	1,467.1	84.87	18.286	
15,700.0	10,579.0	14,126.6	9,027.0	91.7	89.7	0.03	-5,035.2	-526.4	1,552.0	1,465.6	86.37	17.969	
15,800.0	10,579.0	14,226.6	9,027.0	93.2	91.2	0.03	-5,135.2	-525.7	1,552.0	1,464.1	87.87	17.661	
15,900.0	10,579.0	14,326.6	9,027.0	94.7	92.8	0.03	-5,235.2	-525.0	1,552.0	1,462.6	89.38	17.364	
15,906.4	10,579.0	14,333.0	9,027.0	94.8	92.9	0.03	-5,241.6	-525.0	1,552.0	1,462.5	89.48	17.345	
16,000.0	10,579.0	14,426.6	9,027.0	96.2	94.3	0.03	-5,335.2	-524.3	1,552.0	1,461.1	90.89	17.076	
16,100.0	10,579.0	14,526.6	9,027.0	97.7	95.9	0.03	-5,435.2	-523.6	1,552.0	1,459.6	92.40	16.797	
16,200.0	10,579.0	14,626.6	9,027.0	99.2	97.4	0.03	-5,535.2	-522.9	1,552.0	1,458.1	93.91	16.527	
16,300.0	10,579.0	14,726.6	9,027.0	100.7	99.0	0.03	-5,635.2	-522.2	1,552.0	1,456.6	95.42	16.265	
16,400.0	10,579.0	14,826.6	9,027.0	102.3	100.5	0.03	-5,735.2	-521.5	1,552.0	1,455.1	96.94	16.010	
16,500.0	10,579.0	14,926.6	9,027.0	103.8	102.1	0.03	-5,835.2	-520.8	1,552.0	1,453.5	98.45	15.764	
16,600.0	10,579.0	15,026.6	9,027.0	105.3	103.7	0.03	-5,935.2	-520.1	1,552.0	1,452.0	99.97	15.524	
16,700.0	10,579.0	15,126.6	9,027.0	106.9	105.2	0.03	-6,035.1	-519.4	1,552.0	1,450.5	101.49	15.292	
16,800.0	10,579.0	15,226.6	9,027.0	108.4	106.8	0.03	-6,135.1	-518.7	1,552.0	1,449.0	103.01	15.066	
16,900.0	10,579.0	15,326.6	9,027.0	110.0	108.4	0.03	-6,235.1	-518.0	1,552.0	1,447.5	104.54	14.847	
17,000.0	10,579.0	15,426.6	9,027.0	111.5	110.0	0.03	-6,335.1	-517.3	1,552.0	1,445.9	106.06	14.633	
17,100.0	10,579.0	15,526.6	9,027.0	113.1	111.5	0.03	-6,435.1	-516.6	1,552.0	1,444.4	107.59	14.426	
17,200.0	10,579.0	15,626.6	9,027.0	114.6	113.1	0.03	-6,535.1	-515.9	1,552.0	1,442.9	109.11	14.224	
17,300.0	10,579.0	15,726.6	9,027.0	116.2	114.7	0.03	-6,635.1	-515.2	1,552.0	1,441.4	110.64	14.027	
17,400.0	10,579.0	15,826.6	9,027.0	117.7	116.3	0.03	-6,735.1	-514.5	1,552.0	1,439.8	112.17	13.836	
17,500.0	10,579.0	15,926.6	9,027.0	119.3	117.9	0.03	-6,835.1	-513.8	1,552.0	1,438.3	113.70	13.650	
17,600.0	10,579.0	16,026.6	9,027.0	120.9	119.5	0.03	-6,935.1	-513.1	1,552.0	1,436.8	115.23	13.469	
17,700.0	10,579.0	16,126.6	9,027.0	122.4	121.0	0.02	-7,035.1	-512.4	1,552.0	1,435.2	116.76	13.292	
17,800.0	10,579.0	16,226.6	9,027.0	124.0	122.6	0.02	-7,135.1	-511.7	1,552.0	1,433.7	118.30	13.120	
17,900.0	10,579.0	16,326.6	9,027.0	125.6	124.2	0.02	-7,235.1	-511.0	1,552.0	1,432.2	119.83	12.952	
18,000.0	10,579.0	16,426.6	9,027.0	127.2	125.8	0.02	-7,335.1	-510.3	1,552.0	1,430.6	121.37	12.788	
18,100.0	10,579.0	16,526.6	9,027.0	128.7	127.4	0.02	-7,435.1	-509.6	1,552.0	1,429.1	122.90	12.628	
18,200.0	10,579.0	16,626.6	9,027.0	130.3	129.0	0.02	-7,535.1	-508.9	1,552.0	1,427.6	124.44	12.472	
18,300.0	10,579.0	16,726.6	9,027.0	131.9	130.6	0.02	-7,635.1	-508.1	1,552.0	1,426.0	125.98	12.320	
18,400.0	10,579.0	16,826.6	9,027.0	133.5	132.2	0.02	-7,735.1	-507.4	1,552.0	1,424.5	127.51	12.171	
18,500.0	10,579.0	16,926.6	9,027.0	135.1	133.8	0.02	-7,835.1	-506.7	1,552.0	1,422.9	129.05	12.026	
18,600.0	10,579.0	17,026.6	9,027.0	136.6	135.4	0.02	-7,935.1	-506.0	1,552.0	1,421.4	130.59	11.884	
18,700.0	10,579.0	17,126.6	9,027.0	138.2	137.0	0.02	-8,035.1	-505.3	1,552.0	1,419.9	132.13	11.746	
18,800.0	10,579.0	17,226.6	9,027.0	139.8	138.6	0.02	-8,135.1	-504.6	1,552.0	1,418.3	133.67	11.610	
18,900.0	10,579.0	17,326.6	9,027.0	141.4	140.2	0.02	-8,235.1	-503.9	1,552.0	1,416.8	135.22	11.478	
19,000.0	10,579.0	17,426.6	9,027.0	143.0	141.8	0.02	-8,335.1	-503.2	1,552.0	1,415.2	136.76	11.348	
19,100.0	10,579.0	17,526.6	9,027.0	144.6	143.4	0.02	-8,435.1	-502.5	1,552.0	1,413.7	138.30	11.222	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	10,579.0	17,626.6	9,027.0	146.2	145.1	0.02	-8,535.1	-501.8	1,552.0	1,412.2	139.85	11.098	
19,300.0	10,579.0	17,726.6	9,027.0	147.8	146.7	0.02	-8,635.1	-501.1	1,552.0	1,410.6	141.39	10.977	
19,400.0	10,579.0	17,826.6	9,027.0	149.4	148.3	0.02	-8,735.1	-500.4	1,552.0	1,409.1	142.93	10.858	
19,500.0	10,579.0	17,926.6	9,027.0	151.0	149.9	0.02	-8,835.1	-499.7	1,552.0	1,407.5	144.48	10.742	
19,600.0	10,579.0	18,026.6	9,027.0	152.6	151.5	0.02	-8,935.1	-499.0	1,552.0	1,406.0	146.03	10.628	
19,700.0	10,579.0	18,126.6	9,027.0	154.2	153.1	0.02	-9,035.1	-498.3	1,552.0	1,404.4	147.57	10.517	
19,800.0	10,579.0	18,226.6	9,027.0	155.8	154.7	0.02	-9,135.1	-497.6	1,552.0	1,402.9	149.12	10.408	
19,900.0	10,579.0	18,326.6	9,027.0	157.4	156.3	0.01	-9,235.1	-496.9	1,552.0	1,401.3	150.67	10.301	
20,000.0	10,579.0	18,426.6	9,027.0	159.0	158.0	0.01	-9,335.1	-496.2	1,552.0	1,399.8	152.21	10.196	
20,100.0	10,579.0	18,526.6	9,027.0	160.6	159.6	0.01	-9,435.1	-495.5	1,552.0	1,398.2	153.76	10.094	
20,200.0	10,579.0	18,626.6	9,027.0	162.2	161.2	0.01	-9,535.1	-494.8	1,552.0	1,396.7	155.31	9.993	
20,300.0	10,579.0	18,726.6	9,027.0	163.8	162.8	0.01	-9,635.1	-494.1	1,552.0	1,395.1	156.86	9.894	
20,400.0	10,579.0	18,826.6	9,027.0	165.4	164.4	0.01	-9,735.1	-493.4	1,552.0	1,393.6	158.41	9.797	
20,500.0	10,579.0	18,926.6	9,027.0	167.0	166.0	0.01	-9,835.1	-492.7	1,552.0	1,392.0	159.96	9.702	
20,600.0	10,579.0	19,026.6	9,027.0	168.6	167.7	0.01	-9,935.1	-492.0	1,552.0	1,390.5	161.51	9.609	
20,700.0	10,579.0	19,126.6	9,027.0	170.2	169.3	0.01	-10,035.1	-491.3	1,552.0	1,388.9	163.06	9.518	
20,800.0	10,579.0	19,226.6	9,027.0	171.8	170.9	0.01	-10,135.0	-490.6	1,552.0	1,387.4	164.61	9.428	
20,900.0	10,579.0	19,326.6	9,027.0	173.4	172.5	0.01	-10,235.0	-489.8	1,552.0	1,385.8	166.16	9.340	
21,000.0	10,579.0	19,426.6	9,027.0	175.1	174.1	0.01	-10,335.0	-489.1	1,552.0	1,384.3	167.71	9.254	
21,100.0	10,579.0	19,526.6	9,027.0	176.7	175.8	0.01	-10,435.0	-488.4	1,552.0	1,382.7	169.27	9.169	
21,200.0	10,579.0	19,626.6	9,027.0	178.3	177.4	0.01	-10,535.0	-487.7	1,552.0	1,381.2	170.82	9.086	
21,300.0	10,579.0	19,726.6	9,027.0	179.9	179.0	0.01	-10,635.0	-487.0	1,552.0	1,379.6	172.37	9.004	
21,400.0	10,579.0	19,826.6	9,027.0	181.5	180.6	0.01	-10,735.0	-486.3	1,552.0	1,378.1	173.92	8.923	
21,500.0	10,579.0	19,926.6	9,027.0	183.1	182.3	0.01	-10,835.0	-485.6	1,552.0	1,376.5	175.48	8.845	
21,600.0	10,579.0	20,026.6	9,027.0	184.7	183.9	0.01	-10,935.0	-484.9	1,552.0	1,375.0	177.03	8.767	
21,700.0	10,579.0	20,126.6	9,027.0	186.4	185.5	0.01	-11,035.0	-484.2	1,552.0	1,373.4	178.58	8.691	
21,800.0	10,579.0	20,226.6	9,027.0	188.0	187.1	0.01	-11,135.0	-483.5	1,552.0	1,371.9	180.14	8.616	
21,900.0	10,579.0	20,326.6	9,027.0	189.6	188.8	0.01	-11,235.0	-482.8	1,552.0	1,370.3	181.69	8.542	
22,000.0	10,579.0	20,426.6	9,027.0	191.2	190.4	0.01	-11,335.0	-482.1	1,552.0	1,368.8	183.25	8.469	
22,100.0	10,579.0	20,526.6	9,027.0	192.8	192.0	0.01	-11,435.0	-481.4	1,552.0	1,367.2	184.80	8.398	
22,200.0	10,579.0	20,626.6	9,027.0	194.5	193.7	0.00	-11,535.0	-480.7	1,552.0	1,365.6	186.36	8.328	
22,300.0	10,579.0	20,726.6	9,027.0	196.1	195.3	0.00	-11,635.0	-480.0	1,552.0	1,364.1	187.91	8.259	
22,400.0	10,579.0	20,826.6	9,027.0	197.7	196.9	0.00	-11,735.0	-479.3	1,552.0	1,362.5	189.47	8.191	
22,500.0	10,579.0	20,926.6	9,027.0	199.3	198.5	0.00	-11,835.0	-478.6	1,552.0	1,361.0	191.02	8.125	
22,600.0	10,579.0	21,026.6	9,027.0	200.9	200.2	0.00	-11,935.0	-477.9	1,552.0	1,359.4	192.58	8.059	
22,700.0	10,579.0	21,126.6	9,027.0	202.6	201.8	0.00	-12,035.0	-477.2	1,552.0	1,357.9	194.13	7.994	
22,800.0	10,579.0	21,226.6	9,027.0	204.2	203.4	0.00	-12,135.0	-476.5	1,552.0	1,356.3	195.69	7.931	
22,900.0	10,579.0	21,326.6	9,027.0	205.8	205.1	0.00	-12,235.0	-475.8	1,552.0	1,354.8	197.25	7.868	
23,000.0	10,579.0	21,426.6	9,027.0	207.4	206.7	0.00	-12,335.0	-475.1	1,552.0	1,353.2	198.80	7.807	
23,081.2	10,579.0	21,507.8	9,027.0	208.8	208.0	0.00	-12,416.2	-474.5	1,552.0	1,351.9	200.07	7.757	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.35	-0.7	-109.9	109.9				
100.0	100.0	98.5	98.5	0.1	0.1	-90.44	-0.8	-110.2	110.2	109.9	0.28	397.121	
200.0	200.0	198.2	198.2	0.5	0.4	-90.70	-1.3	-110.9	110.9	110.0	0.84	132.097	
300.0	300.0	298.6	298.6	0.8	0.7	-90.90	-1.7	-111.4	111.4	109.9	1.56	71.578	
400.0	400.0	399.1	399.1	1.2	1.1	-91.00	-2.0	-111.6	111.6	109.3	2.27	49.223	
500.0	500.0	499.7	499.7	1.6	1.4	-91.13	-2.2	-111.2	111.3	108.3	2.98	37.389	
600.0	600.0	599.8	599.8	1.9	1.8	-91.28	-2.5	-110.5	110.6	106.9	3.68	30.043	
700.0	700.0	699.9	699.9	2.3	2.1	-91.45	-2.8	-109.8	109.8	105.4	4.39	25.037	
800.0	800.0	799.4	799.3	2.6	2.5	-91.75	-3.3	-109.2	109.3	104.2	5.10	21.442	
868.2	868.2	867.3	867.2	2.9	2.7	-92.08	-4.0	-109.1	109.2	103.6	5.58	19.562	
900.0	900.0	898.9	898.9	3.0	2.8	-92.25	-4.3	-109.1	109.2	103.4	5.81	18.801	
1,000.0	1,000.0	998.7	998.6	3.4	3.2	-92.68	-5.1	-109.3	109.4	102.9	6.52	16.777	
1,100.0	1,100.0	1,098.5	1,098.4	3.7	3.5	-92.96	-5.7	-109.7	109.8	102.6	7.23	15.185	
1,200.0	1,200.0	1,198.6	1,198.6	4.1	3.9	-93.14	-6.0	-110.2	110.3	102.4	7.94	13.888	
1,300.0	1,300.0	1,298.8	1,298.7	4.4	4.2	-93.29	-6.3	-110.5	110.6	102.0	8.66	12.781	
1,400.0	1,400.0	1,398.9	1,398.9	4.8	4.6	-93.82	-7.4	-110.6	110.8	101.5	9.37	11.827	
1,500.0	1,500.0	1,499.3	1,499.2	5.1	4.9	-94.70	-9.1	-110.4	110.8	100.7	10.09	10.985	
1,600.0	1,600.0	1,599.6	1,599.6	5.5	5.3	-53.01	-11.2	-109.9	109.9	99.1	10.80	10.176	
1,700.0	1,700.0	1,699.8	1,699.7	5.9	5.7	-55.41	-13.5	-109.0	107.8	96.3	11.51	9.361	
1,800.0	1,799.9	1,799.8	1,799.7	6.2	6.0	-58.75	-15.8	-107.8	104.6	92.4	12.22	8.561	
1,900.0	1,899.7	1,899.1	1,898.9	6.6	6.4	-61.94	-16.1	-107.3	101.2	88.3	12.92	7.832	
2,000.0	1,999.4	1,998.6	1,998.4	6.9	6.7	-64.71	-13.9	-107.8	97.5	83.9	13.62	7.162	
2,100.0	2,098.9	2,098.0	2,097.7	7.3	7.0	-68.19	-11.1	-108.8	93.8	79.4	14.31	6.552	
2,200.0	2,198.3	2,197.4	2,197.1	7.7	7.4	-72.67	-8.0	-110.4	90.1	75.1	15.01	6.004	
2,300.0	2,297.4	2,296.8	2,296.4	8.0	7.7	-78.40	-4.7	-112.3	86.9	71.2	15.72	5.527	
2,400.0	2,396.4	2,395.4	2,394.9	8.4	8.0	-85.19	-2.0	-114.3	85.0	68.6	16.44	5.171	
2,421.1	2,417.4	2,416.1	2,415.7	8.5	8.1	-86.77	-1.6	-114.8	85.0	68.4	16.60	5.119	CC, ES
2,500.0	2,495.5	2,493.4	2,493.0	8.8	8.4	-93.05	-1.3	-116.4	85.9	68.8	17.17	5.006	
2,600.0	2,594.5	2,592.5	2,592.1	9.2	8.7	-101.19	-1.8	-118.5	89.5	71.6	17.90	5.000	
2,700.0	2,693.5	2,691.9	2,691.4	9.6	9.1	-108.62	-2.2	-120.5	94.5	75.9	18.63	5.072	
2,800.0	2,792.5	2,791.5	2,791.0	10.0	9.4	-115.40	-2.4	-122.1	100.6	81.2	19.36	5.197	
2,900.0	2,891.6	2,891.0	2,890.5	10.3	9.8	-121.68	-2.4	-122.9	107.6	87.5	20.08	5.358	
3,000.0	2,990.6	2,989.8	2,989.3	10.7	10.1	-127.20	-2.5	-123.6	115.7	94.9	20.79	5.565	
3,100.0	3,089.6	3,088.6	3,088.1	11.1	10.5	-131.87	-2.8	-124.5	125.0	103.5	21.51	5.813	
3,200.0	3,188.6	3,187.1	3,186.6	11.5	10.8	-136.02	-3.3	-125.0	135.4	113.1	22.21	6.093	
3,300.0	3,287.7	3,285.4	3,284.8	11.9	11.2	-139.84	-4.3	-124.8	146.7	123.8	22.91	6.404	
3,400.0	3,386.7	3,381.8	3,381.3	12.3	11.5	-143.50	-6.2	-123.2	159.8	136.2	23.59	6.773	
3,500.0	3,485.7	3,478.6	3,478.0	12.7	11.8	-147.09	-9.1	-120.0	174.7	150.4	24.26	7.201	
3,600.0	3,584.8	3,578.0	3,577.3	13.1	12.2	-150.29	-12.0	-116.5	190.2	165.3	24.96	7.621	
3,700.0	3,683.8	3,678.5	3,677.7	13.5	12.5	-153.01	-14.3	-113.1	205.6	179.9	25.67	8.008	
3,800.0	3,782.8	3,781.3	3,780.4	13.9	12.9	-155.50	-14.9	-109.8	219.7	193.3	26.40	8.321	
3,900.0	3,881.8	3,883.1	3,882.1	14.3	13.2	-157.76	-13.7	-106.8	232.4	205.2	27.11	8.569	
4,000.0	3,980.9	3,983.6	3,982.6	14.8	13.6	-159.73	-11.8	-104.3	244.5	216.7	27.82	8.790	
4,100.0	4,079.9	4,084.6	4,083.6	15.2	13.9	-161.47	-9.3	-102.3	256.2	227.7	28.53	8.982	
4,200.0	4,178.9	4,186.1	4,185.0	15.6	14.3	-163.07	-5.9	-100.6	267.2	238.0	29.24	9.141	
4,283.5	4,261.6	4,270.3	4,269.1	15.9	14.6	-164.31	-2.6	-99.4	276.0	246.2	29.83	9.253	
4,300.0	4,277.9	4,286.9	4,285.6	16.0	14.6	-164.56	-1.9	-99.1	277.7	247.7	29.94	9.273	
4,400.0	4,377.2	4,387.4	4,386.1	16.4	15.0	-165.92	2.7	-97.7	286.2	255.5	30.65	9.338	
4,500.0	4,476.7	4,489.0	4,487.5	16.8	15.3	-167.11	7.8	-96.4	291.8	260.4	31.35	9.306	
4,600.0	4,576.5	4,590.9	4,589.3	17.1	15.7	-168.09	13.3	-95.8	294.2	262.2	32.06	9.177	
4,700.0	4,676.4	4,693.3	4,691.5	17.5	16.0	-169.04	19.9	-95.1	293.4	260.7	32.77	8.955	
4,800.0	4,776.4	4,796.0	4,793.9	17.8	16.4	-170.13	27.8	-94.0	289.3	255.8	33.47	8.643	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,816.9	4,793.2	4,813.9	4,811.7	17.9	16.5	146.49	29.3	-93.7	288.2	254.6	33.58	8.581	
4,900.0	4,876.4	4,902.1	4,899.4	18.2	16.8	145.35	38.1	-92.9	281.8	247.7	34.16	8.251	
5,000.0	4,976.4	5,005.6	5,002.2	18.5	17.1	143.77	50.4	-92.3	272.4	237.5	34.84	7.818	
5,100.0	5,076.4	5,104.6	5,100.4	18.9	17.5	142.17	62.6	-92.1	262.7	227.1	35.54	7.392	
5,200.0	5,176.4	5,203.6	5,198.7	19.2	17.8	140.55	74.3	-92.3	253.3	217.0	36.24	6.990	
5,300.0	5,276.4	5,302.6	5,297.0	19.5	18.2	138.89	85.8	-92.5	244.2	207.3	36.94	6.611	
5,400.0	5,376.4	5,401.5	5,395.4	19.9	18.6	137.16	97.0	-92.9	235.5	197.9	37.65	6.256	
5,500.0	5,476.4	5,500.4	5,493.6	20.2	18.9	135.35	107.9	-93.3	227.3	188.9	38.36	5.925	
5,600.0	5,576.4	5,599.6	5,592.3	20.6	19.3	133.40	118.8	-93.5	219.4	180.3	39.07	5.616	
5,700.0	5,676.4	5,699.0	5,691.0	20.9	19.6	131.07	130.2	-93.2	211.9	172.1	39.79	5.325	
5,800.0	5,776.4	5,797.8	5,789.1	21.2	20.0	128.41	142.1	-92.4	204.8	164.3	40.52	5.055	
5,900.0	5,876.4	5,896.5	5,887.1	21.6	20.4	125.68	153.5	-91.5	198.5	157.3	41.25	4.813	
6,000.0	5,976.4	5,996.4	5,986.3	21.9	20.7	122.75	164.9	-90.6	192.8	150.8	41.98	4.592	
6,100.0	6,076.4	6,096.3	6,085.5	22.3	21.1	119.29	177.6	-89.5	187.2	144.5	42.73	4.382	
6,200.0	6,176.4	6,195.6	6,183.8	22.6	21.5	115.48	190.8	-88.2	182.2	138.7	43.48	4.190	
6,300.0	6,276.4	6,294.8	6,282.3	23.0	21.9	111.69	203.4	-87.3	177.9	133.7	44.24	4.022	
6,400.0	6,376.4	6,393.8	6,380.6	23.3	22.2	108.11	214.8	-86.7	174.5	129.5	44.99	3.878	
6,500.0	6,476.4	6,493.2	6,479.5	23.7	22.6	104.98	224.7	-86.6	171.8	126.1	45.75	3.756	
6,600.0	6,576.4	6,592.4	6,578.3	24.0	23.0	102.17	233.3	-86.6	169.8	123.3	46.49	3.652	
6,700.0	6,676.4	6,691.7	6,677.3	24.3	23.3	99.54	241.2	-86.5	168.4	121.1	47.23	3.565	
6,800.0	6,776.4	6,791.4	6,776.8	24.7	23.7	97.11	248.4	-86.4	167.4	119.4	47.97	3.489	
6,900.0	6,876.4	6,891.2	6,876.3	25.0	24.1	94.90	254.8	-86.4	166.7	118.0	48.71	3.422	
7,000.0	6,976.4	6,990.9	6,975.9	25.4	24.4	92.87	260.8	-86.4	166.3	116.8	49.44	3.363	
7,100.0	7,076.4	7,090.9	7,075.7	25.7	24.8	91.02	266.1	-86.5	166.1	115.9	50.17	3.310	
7,200.0	7,176.4	7,191.4	7,176.2	26.1	25.1	89.98	269.1	-86.8	165.7	114.9	50.88	3.257	
7,300.0	7,276.4	7,291.8	7,276.5	26.4	25.5	89.82	269.6	-87.4	165.1	113.5	51.59	3.200	
7,400.0	7,376.4	7,391.8	7,376.5	26.8	25.8	89.82	269.6	-88.1	164.4	112.1	52.28	3.144	
7,500.0	7,476.4	7,491.7	7,476.4	27.1	26.2	89.86	269.5	-88.8	163.7	110.7	52.98	3.090	
7,600.0	7,576.4	7,591.5	7,576.2	27.5	26.5	90.02	269.0	-89.4	163.1	109.5	53.67	3.040	
7,700.0	7,676.4	7,691.3	7,676.1	27.8	26.8	90.28	268.3	-89.8	162.7	108.3	54.36	2.993	
7,800.0	7,776.4	7,791.3	7,776.0	28.2	27.2	90.63	267.3	-90.3	162.3	107.2	55.05	2.948	
7,900.0	7,876.4	7,891.2	7,875.9	28.5	27.5	91.05	266.1	-90.6	161.9	106.2	55.73	2.905	
8,000.0	7,976.4	7,991.0	7,975.7	28.9	27.9	91.51	264.8	-90.9	161.6	105.2	56.42	2.865	
8,100.0	8,076.4	8,091.0	8,075.8	29.2	28.2	91.95	263.6	-91.2	161.4	104.3	57.11	2.826	
8,200.0	8,176.4	8,191.1	8,175.8	29.6	28.5	92.25	262.7	-91.5	161.1	103.3	57.80	2.788	
8,300.0	8,276.4	8,293.1	8,277.8	29.9	28.9	92.37	262.4	-92.4	160.3	101.7	58.51	2.739	
8,400.0	8,376.4	8,395.0	8,379.7	30.3	29.2	92.25	262.9	-94.5	158.1	98.9	59.21	2.671	
8,500.0	8,476.4	8,495.3	8,480.0	30.6	29.6	91.86	264.0	-97.3	155.4	95.5	59.92	2.593	
8,600.0	8,576.4	8,594.1	8,578.7	31.0	29.9	91.39	265.4	-100.0	152.6	92.0	60.63	2.517	
8,700.0	8,676.4	8,692.0	8,676.6	31.3	30.3	91.44	265.3	-101.4	151.1	89.8	61.32	2.464	
8,800.0	8,776.4	8,791.8	8,776.4	31.7	30.6	91.96	263.9	-102.1	150.5	88.5	62.01	2.427	
8,900.0	8,876.4	8,892.2	8,876.7	32.0	31.0	92.65	262.2	-102.9	149.7	87.0	62.70	2.388	
9,000.0	8,976.4	8,992.5	8,977.0	32.4	31.3	93.44	260.1	-104.1	148.7	85.3	63.39	2.346	
9,100.0	9,076.4	9,092.8	9,077.3	32.7	31.7	94.24	258.2	-105.4	147.5	83.4	64.09	2.302	
9,200.0	9,176.4	9,192.6	9,177.1	33.1	32.0	95.07	256.1	-106.8	146.3	81.5	64.78	2.259	
9,300.0	9,276.4	9,291.7	9,276.2	33.4	32.3	95.92	254.1	-107.8	145.5	80.0	65.46	2.223	
9,400.0	9,376.4	9,392.9	9,376.9	33.8	32.7	99.36	245.5	-109.8	144.6	78.5	66.12	2.187	
9,459.8	9,436.2	9,452.4	9,435.2	34.0	32.9	104.12	233.9	-112.7	144.2	77.7	66.47	2.169 SF	
9,500.0	9,476.4	9,490.6	9,471.8	34.2	33.0	108.39	223.5	-115.3	144.6	77.9	66.65	2.170	
9,600.0	9,576.4	9,578.6	9,553.9	34.5	33.2	120.44	192.7	-122.6	152.2	85.8	66.43	2.292	
9,700.0	9,676.4	9,650.8	9,617.7	34.9	33.4	131.38	159.3	-128.0	175.7	111.8	63.94	2.748	
9,800.0	9,776.4	9,720.4	9,674.9	35.2	33.6	141.16	120.2	-132.6	216.0	155.2	60.72	3.556	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,876.4	9,784.0	9,723.8	35.6	33.8	148.94	79.9	-138.6	267.8	210.3	57.53	4.656	
10,000.0	9,976.4	9,841.7	9,765.2	35.9	33.9	155.01	40.5	-146.0	328.3	273.6	54.67	6.005	
10,029.6	10,006.0	9,855.0	9,774.4	36.0	34.0	156.29	31.0	-147.9	347.5	293.9	53.61	6.483	
10,050.0	10,026.4	9,867.9	9,783.1	36.1	34.0	-38.74	21.7	-149.9	360.9	307.6	53.31	6.770	
10,100.0	10,076.2	9,894.5	9,800.8	36.2	34.1	-34.41	2.2	-154.0	392.8	340.8	52.02	7.550	
10,150.0	10,125.5	9,922.0	9,818.4	36.4	34.2	-30.95	-18.3	-158.3	423.2	372.4	50.81	8.329	
10,200.0	10,173.9	9,949.0	9,835.2	36.5	34.2	-28.23	-39.1	-162.6	451.9	402.4	49.55	9.121	
10,250.0	10,221.0	9,973.8	9,850.0	36.7	34.3	-26.11	-58.6	-166.5	478.9	430.8	48.08	9.961	
10,300.0	10,266.4	9,997.9	9,863.5	36.8	34.4	-24.39	-78.1	-170.5	504.3	457.7	46.55	10.832	
10,350.0	10,309.9	10,022.0	9,876.3	36.9	34.5	-22.98	-98.2	-174.5	527.8	482.8	45.05	11.717	
10,400.0	10,351.1	10,044.0	9,887.2	37.0	34.5	-21.84	-116.9	-178.3	549.6	506.2	43.42	12.657	
10,450.0	10,389.7	10,070.5	9,899.4	37.1	34.6	-20.90	-140.0	-182.8	569.4	527.2	42.18	13.501	
10,500.0	10,425.3	10,094.9	9,909.9	37.2	34.7	-20.20	-161.6	-186.7	587.2	546.4	40.84	14.377	
10,550.0	10,457.7	10,119.3	9,919.5	37.3	34.8	-19.68	-183.7	-190.3	603.0	563.4	39.61	15.224	
10,600.0	10,486.7	10,139.0	9,926.7	37.3	34.8	-19.30	-201.9	-193.1	616.8	578.6	38.22	16.137	
10,650.0	10,512.1	10,165.4	9,935.4	37.4	34.9	-19.10	-226.7	-196.5	628.5	591.1	37.38	16.815	
10,700.0	10,533.6	10,187.6	9,941.7	37.5	35.0	-19.01	-247.7	-199.1	638.3	601.8	36.48	17.498	
10,750.0	10,551.0	10,211.0	9,947.5	37.6	35.1	-19.06	-270.3	-201.5	646.1	610.3	35.86	18.020	
10,800.0	10,564.4	10,211.0	9,947.5	37.8	35.1	-18.84	-270.3	-201.5	652.7	618.1	34.68	18.824	
10,850.0	10,573.4	10,253.1	9,955.4	37.9	35.2	-19.42	-311.4	-205.2	656.0	620.8	35.19	18.639	
10,900.0	10,578.2	10,274.7	9,958.2	38.1	35.3	-19.77	-332.8	-206.9	658.0	622.7	35.32	18.631	
10,929.6	10,579.0	10,305.0	9,960.6	38.2	35.4	-20.40	-362.9	-208.9	658.9	623.0	35.88	18.366	
10,948.6	10,579.0	10,305.0	9,960.6	38.2	35.4	-20.40	-362.9	-208.9	658.6	622.7	35.87	18.362	
11,000.0	10,579.0	10,316.2	9,961.1	38.4	35.5	-20.65	-374.1	-209.4	660.2	623.9	36.32	18.176	
11,100.0	10,579.0	10,380.0	9,960.8	38.8	35.7	-22.02	-437.9	-210.6	669.0	631.0	38.00	17.605	
11,200.0	10,579.0	10,483.1	9,960.5	39.2	36.2	-23.98	-540.9	-210.6	678.2	638.3	39.85	17.018	
11,300.0	10,579.0	10,574.6	9,960.2	39.7	36.6	-25.43	-632.5	-210.8	686.4	644.8	41.54	16.521	
11,400.0	10,579.0	10,681.1	9,959.0	40.3	37.2	-26.63	-739.0	-212.4	693.6	650.5	43.08	16.099	
11,500.0	10,579.0	10,789.7	9,959.7	40.9	37.9	-27.62	-847.6	-213.4	698.1	653.4	44.64	15.639	
11,600.0	10,579.0	10,860.8	9,958.6	41.5	38.4	-28.02	-918.7	-214.4	702.7	656.9	45.76	15.356	
11,700.0	10,579.0	10,961.7	9,954.6	42.2	39.2	-28.18	-1,019.5	-216.3	707.7	660.9	46.80	15.123	
11,800.0	10,579.0	11,071.7	9,951.7	42.9	40.0	-28.11	-1,129.4	-218.0	710.0	662.2	47.81	14.851	
11,814.4	10,579.0	11,087.6	9,951.5	43.0	40.2	-28.08	-1,145.3	-218.2	710.1	662.1	47.95	14.807	
11,900.0	10,579.0	11,180.7	9,950.5	43.6	41.0	-27.88	-1,238.3	-219.9	709.8	661.0	48.81	14.542	
12,000.0	10,579.0	11,284.5	9,950.5	44.4	41.9	-27.70	-1,342.1	-221.7	708.7	658.9	49.88	14.209	
12,100.0	10,579.0	11,384.5	9,950.8	45.3	42.8	-27.54	-1,442.1	-223.4	707.4	656.4	50.97	13.878	
12,200.0	10,579.0	11,480.3	9,950.6	46.1	43.8	-27.35	-1,537.9	-225.2	706.3	654.3	52.05	13.569	
12,291.3	10,579.0	11,566.7	9,949.8	47.0	44.7	-27.17	-1,624.3	-226.7	706.0	653.0	53.06	13.307	
12,300.0	10,579.0	11,575.1	9,949.7	47.1	44.8	-27.16	-1,632.7	-226.8	706.1	652.9	53.16	13.283	
12,400.0	10,579.0	11,671.8	9,948.6	48.0	45.8	-26.99	-1,729.4	-227.8	706.4	652.0	54.35	12.997	
12,500.0	10,579.0	11,768.8	9,947.1	49.0	46.8	-26.84	-1,826.4	-228.5	707.1	651.5	55.58	12.721	
12,600.0	10,579.0	11,870.7	9,945.5	50.1	48.0	-26.72	-1,928.2	-228.6	708.1	651.2	56.94	12.436	
12,700.0	10,579.0	11,976.1	9,945.1	51.1	49.2	-26.69	-2,033.6	-228.2	708.3	649.8	58.45	12.119	
12,745.8	10,579.0	12,023.2	9,945.2	51.6	49.7	-26.69	-2,080.7	-227.8	708.2	649.1	59.16	11.972	
12,800.0	10,579.0	12,063.3	9,944.9	52.2	50.2	-26.70	-2,120.8	-227.3	708.7	648.9	59.83	11.846	
12,900.0	10,579.0	12,157.2	9,942.8	53.4	51.4	-26.73	-2,214.7	-225.1	711.5	650.1	61.33	11.600	
13,000.0	10,579.0	12,265.4	9,942.1	54.5	52.7	-26.95	-2,322.8	-221.1	713.3	650.1	63.20	11.287	
13,100.0	10,579.0	12,357.1	9,942.1	55.7	53.8	-27.18	-2,414.4	-217.1	715.1	650.1	64.94	11.012	
13,200.0	10,579.0	12,460.6	9,939.5	56.9	55.2	-27.19	-2,517.8	-215.0	717.9	651.3	66.61	10.777	
13,300.0	10,579.0	12,555.5	9,938.4	58.1	56.4	-27.31	-2,612.7	-212.0	720.1	651.7	68.33	10.538	
13,400.0	10,579.0	12,659.4	9,935.2	59.4	57.8	-27.20	-2,716.5	-211.2	722.9	652.9	69.94	10.336	
13,500.0	10,579.0	12,750.2	9,932.7	60.6	59.0	-27.15	-2,807.3	-210.1	725.6	654.1	71.46	10.154	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,600.0	10,579.0	12,844.3	9,929.1	61.9	60.2	-27.11	-2,901.3	-208.1	729.6	656.6	73.06	9.987	
13,700.0	10,579.0	12,936.8	9,925.1	63.2	61.5	-27.09	-2,993.7	-205.6	734.4	659.8	74.66	9.837	
13,800.0	10,579.0	13,069.2	9,919.8	64.5	63.3	-26.96	-3,126.0	-203.9	738.4	661.8	76.67	9.631	
13,900.0	10,579.0	13,211.1	9,923.6	65.9	65.3	-26.98	-3,267.8	-204.6	735.1	656.1	78.98	9.307	
14,000.0	10,579.0	13,286.4	9,926.8	67.2	66.3	-27.07	-3,343.0	-204.4	731.4	650.8	80.55	9.080	
14,026.0	10,579.0	13,302.6	9,926.9	67.6	66.6	-27.07	-3,359.2	-204.3	731.2	650.3	80.89	9.039	
14,100.0	10,579.0	13,359.1	9,925.7	68.6	67.4	-27.03	-3,415.7	-204.0	732.4	650.5	81.92	8.940	
14,200.0	10,579.0	13,466.2	9,923.8	70.0	68.9	-27.01	-3,522.7	-202.5	734.3	650.5	83.80	8.763	
14,300.0	10,579.0	13,568.3	9,923.3	71.3	70.4	-27.08	-3,624.9	-200.5	735.4	649.6	85.73	8.578	
14,400.0	10,579.0	13,659.5	9,922.7	72.7	71.7	-27.20	-3,716.0	-198.0	736.9	649.3	87.57	8.415	
14,500.0	10,579.0	13,750.1	9,920.9	74.1	73.0	-27.30	-3,806.5	-194.8	739.9	650.5	89.41	8.276	
14,600.0	10,579.0	13,836.3	9,918.4	75.6	74.3	-27.42	-3,892.6	-191.3	744.2	653.0	91.19	8.160	
14,700.0	10,579.0	13,954.4	9,913.6	77.0	76.0	-27.59	-4,010.5	-185.5	749.9	656.4	93.55	8.016	
14,800.0	10,579.0	14,080.5	9,912.2	78.4	77.8	-27.53	-4,136.5	-184.8	750.8	655.1	95.70	7.844	
14,855.2	10,579.0	14,132.0	9,912.3	79.2	78.6	-27.54	-4,188.0	-184.3	750.7	654.0	96.71	7.762	
14,900.0	10,579.0	14,178.2	9,912.5	79.9	79.3	-27.57	-4,234.3	-183.6	750.7	653.1	97.61	7.691	
15,000.0	10,579.0	14,289.8	9,914.0	81.3	81.0	-27.65	-4,345.8	-182.5	749.7	649.9	99.76	7.515	
15,100.0	10,579.0	14,402.2	9,917.4	82.8	82.6	-27.80	-4,458.2	-181.2	747.3	645.2	102.04	7.323	
15,200.0	10,579.0	14,489.7	9,920.6	84.2	84.0	-27.93	-4,545.5	-180.4	744.1	640.1	103.99	7.156	
15,300.0	10,579.0	14,581.3	9,919.9	85.7	85.3	-27.75	-4,637.1	-182.1	743.5	638.0	105.51	7.047	
15,400.0	10,579.0	14,687.8	9,919.9	87.2	86.9	-27.58	-4,743.6	-183.9	742.4	635.2	107.25	6.923	
15,492.2	10,579.0	14,769.1	9,920.3	88.6	88.2	-27.51	-4,825.0	-184.5	741.5	632.7	108.76	6.818	
15,500.0	10,579.0	14,775.5	9,920.2	88.7	88.3	-27.49	-4,831.3	-184.6	741.5	632.6	108.87	6.811	
15,600.0	10,579.0	14,868.1	9,918.1	90.2	89.7	-27.29	-4,923.9	-185.9	742.5	632.2	110.36	6.728	
15,700.0	10,579.0	14,960.2	9,916.3	91.7	91.1	-27.18	-5,016.0	-185.9	744.0	632.0	111.98	6.644	
15,800.0	10,579.0	15,051.9	9,913.2	93.2	92.5	-27.08	-5,107.7	-185.1	747.0	633.4	113.62	6.575	
15,900.0	10,579.0	15,155.0	9,910.2	94.7	94.1	-27.09	-5,210.6	-182.7	750.4	634.8	115.60	6.491	
16,000.0	10,579.0	15,264.3	9,906.9	96.2	95.7	-26.91	-5,319.9	-182.9	752.7	635.3	117.38	6.413	
16,100.0	10,579.0	15,373.9	9,905.7	97.7	97.4	-26.89	-5,429.4	-181.9	753.8	634.4	119.41	6.313	
16,200.0	10,579.0	15,461.6	9,904.4	99.2	98.8	-26.83	-5,517.2	-181.6	755.0	633.9	121.05	6.237	
16,300.0	10,579.0	15,558.0	9,900.8	100.7	100.3	-26.57	-5,613.5	-182.9	757.4	634.9	122.48	6.184	
16,400.0	10,579.0	15,647.5	9,896.8	102.3	101.7	-26.31	-5,702.9	-184.0	760.6	636.8	123.77	6.145	
16,500.0	10,579.0	15,781.9	9,893.0	103.8	103.7	-25.97	-5,837.2	-186.3	762.0	636.4	125.60	6.067	
16,578.7	10,579.0	15,856.8	9,892.2	105.0	104.9	-25.80	-5,912.0	-188.0	761.7	635.0	126.75	6.010	
16,600.0	10,579.0	15,876.0	9,891.9	105.3	105.2	-25.75	-5,931.3	-188.3	761.7	634.7	127.05	5.995	
16,700.0	10,579.0	15,973.4	9,890.5	106.9	106.7	-25.60	-6,028.6	-189.2	762.4	633.7	128.66	5.926	
16,770.8	10,579.0	16,054.5	9,890.4	108.0	108.0	-25.58	-6,109.8	-189.0	762.3	632.2	130.10	5.859	
16,800.0	10,579.0	16,068.6	9,890.1	108.4	108.2	-25.56	-6,123.9	-189.0	762.5	632.1	130.43	5.846	
16,900.0	10,579.0	16,149.4	9,886.5	110.0	109.5	-25.35	-6,204.6	-189.8	765.7	634.0	131.65	5.816	
17,000.0	10,579.0	16,294.4	9,885.8	111.5	111.7	-25.15	-6,349.5	-191.4	764.9	631.1	133.82	5.716	
17,085.0	10,579.0	16,362.8	9,886.5	112.8	112.8	-25.10	-6,417.9	-192.0	763.6	628.5	135.15	5.650	
17,100.0	10,579.0	16,373.3	9,886.3	113.1	113.0	-25.08	-6,428.4	-192.2	763.7	628.3	135.34	5.643	
17,200.0	10,579.0	17,200.0	9,885.5	114.6	126.0	-24.93	-6,541.5	-193.2	763.7	619.7	143.97	5.304	
17,300.0	10,579.0	16,623.5	9,894.4	116.2	116.9	-25.37	-6,678.1	-190.1	757.8	617.6	140.23	5.404	
17,400.0	10,579.0	16,699.0	9,898.5	117.7	118.1	-25.55	-6,753.5	-188.8	753.5	611.1	142.34	5.293	
17,458.1	10,579.0	16,736.5	9,898.9	118.7	118.7	-25.56	-6,791.0	-188.7	752.7	609.4	143.24	5.255	
17,500.0	10,579.0	16,763.5	9,898.4	119.3	119.1	-25.51	-6,817.9	-188.9	753.1	609.4	143.73	5.240	
17,600.0	10,579.0	16,842.2	9,894.1	120.9	120.4	-25.23	-6,896.5	-190.4	756.9	612.2	144.70	5.231	
17,700.0	10,579.0	16,953.9	9,887.3	122.4	122.1	-24.86	-7,008.0	-191.9	761.6	615.6	146.07	5.214	
17,800.0	10,579.0	17,093.3	9,884.3	124.0	124.3	-24.50	-7,147.3	-194.8	762.4	614.6	147.80	5.158	
17,900.0	10,579.0	17,201.8	9,886.9	125.6	126.1	-24.50	-7,255.8	-195.2	759.8	610.0	149.80	5.072	
18,000.0	10,579.0	17,288.7	9,888.8	127.2	127.4	-24.48	-7,342.6	-195.8	757.4	605.8	151.54	4.998	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,038.0	10,579.0	17,317.0	9,888.7	127.8	127.9	-24.44	-7,371.0	-196.1	757.1	605.0	152.06	4.979	
18,100.0	10,579.0	17,364.2	9,887.7	128.7	128.6	-24.34	-7,418.2	-196.8	757.7	604.9	152.81	4.959	
18,200.0	10,579.0	17,457.5	9,884.6	130.3	130.1	-24.17	-7,511.5	-197.2	760.3	606.1	154.25	4.929	
18,300.0	10,579.0	17,599.4	9,888.4	131.9	132.4	-24.45	-7,653.2	-193.8	757.8	600.5	157.34	4.817	
18,400.0	10,579.0	17,688.7	9,891.0	133.5	133.8	-24.69	-7,742.4	-191.0	756.1	596.5	159.68	4.735	
18,500.0	10,579.0	17,793.4	9,894.3	135.1	135.5	-25.06	-7,847.0	-186.5	754.8	592.3	162.51	4.645	
18,600.0	10,579.0	17,891.4	9,898.7	136.6	137.1	-25.52	-7,944.7	-181.1	752.8	587.3	165.52	4.548	
18,665.5	10,579.0	17,940.3	9,900.2	137.7	137.8	-25.71	-7,993.5	-178.8	752.2	585.2	167.02	4.504	
18,700.0	10,579.0	17,959.1	9,900.2	138.2	138.1	-25.76	-8,012.2	-177.9	752.8	585.3	167.56	4.493	
18,800.0	10,579.0	18,018.0	9,897.6	139.8	139.1	-25.85	-8,071.0	-174.8	758.6	589.8	168.79	4.494	
18,900.0	10,579.0	18,157.2	9,890.3	141.4	141.3	-25.77	-8,209.9	-171.5	764.0	592.5	171.47	4.456	
19,000.0	10,579.0	18,267.4	9,887.7	143.0	143.1	-25.72	-8,320.1	-170.3	766.3	592.8	173.49	4.417	
19,100.0	10,579.0	18,408.2	9,888.1	144.6	145.3	-25.62	-8,460.9	-171.1	765.6	589.9	175.67	4.358	
19,200.0	10,579.0	18,495.1	9,889.9	146.2	146.7	-25.55	-8,547.8	-172.3	762.8	585.5	177.35	4.301	
19,300.0	10,579.0	18,629.7	9,897.9	147.8	148.9	-25.81	-8,682.1	-171.4	757.0	576.9	180.16	4.202	
19,400.0	10,579.0	18,719.1	9,904.8	149.4	150.3	-26.20	-8,771.2	-168.4	751.3	568.2	183.13	4.103	
19,500.0	10,579.0	18,804.6	9,910.0	151.0	151.7	-26.52	-8,856.4	-165.7	746.9	561.0	185.87	4.018	
19,600.0	10,579.0	18,881.3	9,912.1	152.6	153.0	-26.72	-8,933.1	-163.4	745.4	557.3	188.12	3.962	
19,616.5	10,579.0	18,897.5	9,912.3	152.8	153.2	-26.75	-8,949.2	-162.9	745.4	556.9	188.54	3.954	
19,700.0	10,579.0	18,977.3	9,913.6	154.2	154.5	-26.98	-9,029.0	-159.7	745.5	554.8	190.77	3.908	
19,800.0	10,579.0	19,060.1	9,913.6	155.8	155.8	-27.19	-9,111.7	-156.1	747.2	554.2	193.03	3.871	
19,900.0	10,579.0	19,162.6	9,911.7	157.4	157.5	-27.27	-9,214.1	-153.1	749.9	554.5	195.33	3.839	
20,000.0	10,579.0	19,265.6	9,909.7	159.0	159.2	-27.29	-9,317.2	-151.1	752.2	554.7	197.46	3.809	
20,100.0	10,579.0	19,371.2	9,908.6	160.6	160.9	-27.37	-9,422.6	-148.7	753.8	554.0	199.79	3.773	
20,200.0	10,579.0	19,470.7	9,908.4	162.2	162.5	-27.52	-9,522.2	-145.6	755.1	552.8	202.25	3.733	
20,300.0	10,579.0	19,563.3	9,907.9	163.8	164.0	-27.67	-9,614.7	-142.6	756.8	552.2	204.55	3.700	
20,400.0	10,579.0	19,660.9	9,905.5	165.4	165.5	-27.74	-9,712.2	-139.5	760.1	553.3	206.76	3.676	
20,500.0	10,579.0	19,767.5	9,904.3	167.0	167.3	-27.68	-9,818.8	-139.0	760.9	552.2	208.73	3.645	
20,600.0	10,579.0	19,928.9	9,906.7	168.6	169.9	-28.05	-9,979.7	-133.6	762.2	549.7	212.44	3.588	
20,700.0	10,579.0	20,020.2	9,917.2	170.2	171.4	-28.97	-10,069.9	-124.8	756.2	539.0	217.27	3.481	
20,799.6	10,579.0	20,082.7	9,921.4	171.8	172.4	-29.42	-10,132.1	-120.0	753.8	533.4	220.39	3.420	
20,800.0	10,579.0	20,083.0	9,921.4	171.8	172.4	-29.42	-10,132.3	-120.0	753.8	533.4	220.40	3.420	
20,900.0	10,579.0	20,182.0	9,921.6	173.4	174.0	-29.55	-10,231.3	-117.5	754.6	531.7	222.85	3.386	
21,000.0	10,579.0	20,281.0	9,919.3	175.1	175.6	-29.21	-10,330.3	-120.6	754.7	530.8	223.88	3.371	
21,100.0	10,579.0	20,379.9	9,916.4	176.7	177.2	-28.81	-10,429.0	-124.3	755.0	530.4	224.68	3.360	
21,200.0	10,579.0	20,473.7	9,913.0	178.3	178.7	-28.38	-10,522.7	-128.3	755.9	530.6	225.26	3.356	
21,300.0	10,579.0	20,567.2	9,908.7	179.9	180.2	-27.92	-10,616.0	-132.3	757.7	531.9	225.71	3.357	
21,400.0	10,579.0	20,687.8	9,904.1	181.5	182.1	-27.34	-10,736.4	-137.7	758.7	532.4	226.25	3.353	
21,403.4	10,579.0	20,684.8	9,904.1	181.6	182.1	-27.35	-10,733.4	-137.5	758.7	532.5	226.26	3.353	
21,500.0	10,579.0	20,763.2	9,900.5	183.1	183.3	-26.94	-10,811.6	-141.3	760.2	533.7	226.56	3.356	
21,600.0	10,579.0	20,893.6	9,897.1	184.7	185.4	-26.40	-10,941.8	-146.7	760.2	532.9	227.34	3.344	
21,700.0	10,579.0	20,991.8	9,895.9	186.4	187.0	-26.07	-11,039.9	-150.2	759.4	531.2	228.26	3.327	
21,800.0	10,579.0	21,100.1	9,895.6	188.0	188.8	-25.77	-11,148.2	-153.9	757.9	528.5	229.34	3.305	
21,900.0	10,579.0	21,210.4	9,897.0	189.6	190.5	-25.56	-11,258.4	-156.9	755.3	524.5	230.71	3.274	
22,000.0	10,579.0	21,311.3	9,899.3	191.2	192.2	-25.37	-11,359.3	-159.9	751.6	519.5	232.10	3.238	
22,100.0	10,579.0	21,398.1	9,901.5	192.8	193.6	-25.36	-11,446.1	-160.5	748.8	514.8	233.94	3.201	
22,200.0	10,579.0	21,488.3	9,902.3	194.5	195.0	-25.38	-11,536.2	-160.0	747.8	512.0	235.87	3.171	
22,245.3	10,579.0	21,530.9	9,902.4	195.2	195.7	-25.37	-11,578.8	-159.9	747.7	511.0	236.71	3.159	
22,300.0	10,579.0	21,576.9	9,902.0	196.1	196.5	-25.35	-11,624.8	-159.8	748.0	510.4	237.57	3.149	
22,400.0	10,579.0	21,662.7	9,899.9	197.7	197.9	-25.24	-11,710.6	-159.7	750.0	511.1	238.91	3.139	
22,500.0	10,579.0	21,769.2	9,896.0	199.3	199.6	-25.11	-11,817.0	-159.0	753.3	512.8	240.59	3.131	
22,600.0	10,579.0	21,881.7	9,895.6	200.9	201.4	-25.19	-11,929.5	-156.9	754.1	511.1	243.04	3.103	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #122H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,700.0	10,579.0	21,972.7	9,895.1	202.6	202.9	-25.22	-12,020.5	-155.6	755.0	510.0	244.96	3.082	
22,800.0	10,579.0	22,068.2	9,893.1	204.2	204.5	-25.19	-12,116.0	-154.4	757.1	510.3	246.76	3.068	
22,900.0	10,579.0	22,166.7	9,891.4	205.8	206.1	-25.25	-12,214.4	-152.1	759.4	510.5	248.90	3.051	
23,000.0	10,579.0	22,267.9	9,889.4	207.4	207.7	-25.29	-12,315.6	-149.8	761.7	510.7	251.07	3.034	
23,081.2	10,579.0	22,350.3	9,888.1	208.8	209.1	-25.34	-12,398.0	-147.9	763.5	510.7	252.86	3.019	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	-105.64	-30.7	-109.7	113.9				
100.0	100.0	100.5	100.5	0.1	0.1	-105.62	-30.7	-109.9	114.1	113.9	0.28	409.518	
200.0	200.0	200.3	200.3	0.5	0.4	-105.55	-30.8	-110.5	114.7	113.9	0.86	133.896	
300.0	300.0	300.5	300.5	0.8	0.7	-105.43	-30.7	-111.1	115.3	113.7	1.57	73.262	
400.0	400.0	400.4	400.4	1.2	1.1	-105.31	-30.5	-111.6	115.7	113.4	2.29	50.568	
500.0	500.0	500.2	500.2	1.6	1.4	-105.28	-30.7	-112.2	116.3	113.3	3.00	38.735	
600.0	600.0	600.4	600.4	1.9	1.8	-105.31	-30.9	-112.8	116.9	113.2	3.72	31.437	
700.0	700.0	700.6	700.6	2.3	2.2	-105.34	-31.0	-113.2	117.4	112.9	4.44	26.452	
800.0	800.0	800.0	800.0	2.6	2.5	-105.49	-31.5	-113.7	118.0	112.8	5.15	22.919	
900.0	900.0	899.4	899.4	3.0	2.9	-105.80	-32.4	-114.6	119.1	113.2	5.86	20.317	
1,000.0	1,000.0	998.8	998.8	3.4	3.2	-105.95	-33.1	-116.0	120.7	114.1	6.57	18.352	
1,100.0	1,100.0	1,097.4	1,097.4	3.7	3.6	-105.86	-33.6	-118.1	122.9	115.6	7.29	16.865	
1,200.0	1,200.0	1,196.4	1,196.3	4.1	3.9	-105.56	-33.9	-121.6	126.4	118.4	8.00	15.802	
1,300.0	1,300.0	1,295.8	1,295.5	4.4	4.3	-104.86	-33.4	-125.9	130.3	121.6	8.71	14.965	
1,400.0	1,400.0	1,395.2	1,394.8	4.8	4.6	-103.65	-31.8	-130.8	134.7	125.3	9.42	14.301	
1,500.0	1,500.0	1,494.5	1,493.9	5.1	5.0	-101.69	-28.2	-136.5	139.5	129.4	10.13	13.774	
1,600.0	1,600.0	1,593.6	1,592.7	5.5	5.4	-56.20	-23.0	-142.9	144.5	133.6	10.84	13.332	
1,700.0	1,700.0	1,692.8	1,691.4	5.9	5.7	-54.03	-16.4	-149.9	149.1	137.5	11.54	12.918	
1,800.0	1,799.9	1,793.1	1,791.1	6.2	6.1	-51.88	-8.0	-157.3	152.8	140.6	12.25	12.472	
1,900.0	1,899.7	1,893.6	1,890.9	6.6	6.5	-49.71	2.0	-164.4	155.3	142.4	12.97	11.976	
2,000.0	1,999.4	1,994.9	1,991.4	6.9	6.8	-48.04	12.3	-170.8	156.2	142.5	13.70	11.404	
2,100.0	2,098.9	2,094.6	2,090.5	7.3	7.2	-47.12	21.8	-176.5	155.3	140.9	14.42	10.770	
2,200.0	2,198.3	2,191.2	2,186.5	7.7	7.6	-46.84	30.5	-183.4	154.7	139.6	15.12	10.232	
2,206.5	2,204.7	2,197.5	2,192.7	7.7	7.6	-46.85	31.1	-183.9	154.7	139.6	15.17	10.201	
2,300.0	2,297.4	2,289.1	2,283.5	8.0	7.9	-47.18	38.9	-192.4	155.0	139.2	15.84	9.788	
2,400.0	2,396.4	2,388.9	2,382.6	8.4	8.3	-47.93	47.0	-202.1	155.2	138.6	16.58	9.361	
2,500.0	2,495.5	2,488.8	2,481.7	8.8	8.7	-48.88	54.6	-211.9	155.5	138.2	17.32	8.975	
2,600.0	2,594.5	2,588.7	2,580.8	9.2	9.1	-50.00	61.7	-221.6	155.9	137.8	18.08	8.623	
2,700.0	2,693.5	2,689.1	2,680.6	9.6	9.5	-51.33	68.2	-231.4	156.3	137.4	18.84	8.296	
2,800.0	2,792.5	2,789.9	2,780.8	10.0	9.9	-52.94	74.1	-240.5	156.3	136.6	19.61	7.968	
2,900.0	2,891.6	2,890.6	2,880.9	10.3	10.3	-54.56	80.0	-249.2	155.8	135.4	20.39	7.644	
3,000.0	2,990.6	2,991.3	2,980.9	10.7	10.7	-55.48	87.9	-257.6	155.0	133.9	21.16	7.327	
3,100.0	3,089.6	3,092.1	3,080.9	11.1	11.1	-55.82	97.4	-265.9	153.8	131.8	21.94	7.009	
3,200.0	3,188.6	3,192.9	3,180.9	11.5	11.5	-55.84	107.9	-273.7	152.0	129.2	22.71	6.690	
3,300.0	3,287.7	3,295.5	3,282.8	11.9	11.9	-56.17	117.9	-280.3	149.0	125.5	23.50	6.342	
3,400.0	3,386.7	3,398.0	3,384.9	12.3	12.3	-57.67	125.4	-284.7	144.3	120.0	24.29	5.942	
3,500.0	3,485.7	3,495.7	3,482.3	12.7	12.6	-59.29	132.3	-288.8	139.7	114.6	25.07	5.573	
3,600.0	3,584.8	3,594.4	3,580.5	13.1	13.0	-60.40	140.5	-294.4	136.3	110.5	25.85	5.273	
3,700.0	3,683.8	3,694.6	3,679.9	13.5	13.4	-60.69	150.8	-300.7	133.2	106.6	26.64	5.000	
3,800.0	3,782.8	3,794.9	3,779.2	13.9	13.8	-60.06	163.2	-307.4	129.9	102.5	27.42	4.738	
3,900.0	3,881.8	3,895.4	3,878.9	14.3	14.2	-59.57	175.3	-313.6	126.2	98.0	28.20	4.475	
4,000.0	3,980.9	3,993.6	3,976.3	14.8	14.6	-59.52	186.2	-319.3	122.4	93.4	28.99	4.222	
4,061.7	4,042.0	4,052.2	4,034.3	15.0	14.8	-59.10	193.1	-324.3	121.6	92.2	29.45	4.130	ES
4,100.0	4,079.9	4,088.6	4,070.1	15.2	15.0	-58.62	197.8	-328.3	121.9	92.2	29.72	4.102	
4,200.0	4,178.9	4,185.4	4,165.1	15.6	15.4	-56.69	211.0	-341.5	125.3	94.9	30.42	4.121	
4,283.5	4,261.6	4,269.0	4,247.0	15.9	15.8	-54.95	222.7	-353.5	128.8	97.8	31.05	4.150	
4,300.0	4,277.9	4,285.5	4,263.1	16.0	15.8	-54.61	225.0	-355.8	129.6	98.4	31.18	4.156	
4,400.0	4,377.2	4,384.9	4,360.6	16.4	16.3	-52.17	238.9	-370.0	134.9	103.0	31.89	4.228	
4,500.0	4,476.7	4,483.7	4,457.4	16.8	16.7	-49.43	252.0	-384.4	142.5	110.0	32.57	4.376	
4,600.0	4,576.5	4,584.4	4,556.3	17.1	17.2	-46.75	264.0	-399.2	152.4	119.1	33.27	4.579	
4,700.0	4,676.4	4,687.3	4,658.0	17.5	17.6	-45.14	272.1	-412.4	162.3	128.3	34.02	4.771	
4,800.0	4,776.4	4,790.0	4,760.1	17.8	18.0	-44.49	276.0	-423.5	172.0	137.3	34.75	4.950	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,816.9	4,793.2	4,807.4	4,777.3	17.9	18.0	-87.61	276.3	-425.2	173.7	138.8	34.88	4.980	
4,900.0	4,876.4	4,892.9	4,862.5	18.2	18.4	-87.65	276.5	-432.9	181.1	145.7	35.48	5.105	
5,000.0	4,976.4	4,995.8	4,965.1	18.5	18.7	-88.39	274.4	-440.5	188.5	152.3	36.20	5.207	
5,100.0	5,076.4	5,099.0	5,068.0	18.9	19.1	-89.54	270.6	-446.5	194.2	157.3	36.91	5.261	
5,200.0	5,176.4	5,206.2	5,175.1	19.2	19.4	-91.10	265.3	-449.6	197.2	159.6	37.61	5.243	
5,300.0	5,276.4	5,311.4	5,280.1	19.5	19.7	-92.94	259.0	-448.9	196.7	158.4	38.28	5.137	
5,400.0	5,376.4	5,411.2	5,379.8	19.9	20.0	-94.14	255.0	-447.3	195.4	156.4	38.98	5.012	
5,500.0	5,476.4	5,511.0	5,479.6	20.2	20.3	-94.51	253.8	-446.0	194.1	154.5	39.64	4.897	
5,600.0	5,576.4	5,610.5	5,579.0	20.6	20.6	-94.68	253.3	-445.0	193.1	152.8	40.32	4.791	
5,700.0	5,676.4	5,710.1	5,678.6	20.9	20.9	-94.83	252.9	-444.2	192.4	151.4	40.99	4.694	
5,800.0	5,776.4	5,809.8	5,778.4	21.2	21.2	-94.94	252.6	-443.6	191.8	150.1	41.66	4.604	
5,900.0	5,876.4	5,909.5	5,878.1	21.6	21.5	-95.00	252.4	-443.1	191.3	149.0	42.33	4.520	
6,000.0	5,976.4	6,009.2	5,977.7	21.9	21.9	-95.08	252.1	-442.8	191.1	148.1	43.01	4.442	
6,100.0	6,076.4	6,108.9	6,077.5	22.3	22.2	-95.18	251.8	-442.7	191.0	147.3	43.69	4.371	
6,176.8	6,153.2	6,185.6	6,154.2	22.5	22.4	-95.26	251.6	-442.6	190.9	146.7	44.21	4.319	
6,200.0	6,176.4	6,208.8	6,177.3	22.6	22.5	-95.28	251.5	-442.6	190.9	146.6	44.37	4.303	
6,300.0	6,276.4	6,308.6	6,277.2	23.0	22.8	-95.42	251.0	-442.6	191.0	145.9	45.05	4.239	
6,400.0	6,376.4	6,408.5	6,377.1	23.3	23.1	-95.66	250.2	-442.7	191.1	145.4	45.74	4.178	
6,500.0	6,476.4	6,508.4	6,476.9	23.7	23.5	-95.98	249.1	-442.8	191.3	144.9	46.43	4.120	
6,600.0	6,576.4	6,608.2	6,576.8	24.0	23.8	-96.32	248.0	-442.9	191.6	144.5	47.12	4.065	
6,700.0	6,676.4	6,707.9	6,676.5	24.3	24.1	-96.66	246.8	-443.2	192.0	144.1	47.82	4.015	
6,800.0	6,776.4	6,807.7	6,776.2	24.7	24.5	-96.99	245.6	-443.6	192.5	144.0	48.51	3.968	
6,900.0	6,876.4	6,908.0	6,876.5	25.0	24.8	-97.38	244.3	-443.9	193.0	143.8	49.20	3.923	
7,000.0	6,976.4	7,008.3	6,976.8	25.4	25.1	-97.90	242.5	-444.0	193.4	143.5	49.90	3.875	
7,100.0	7,076.4	7,108.2	7,076.7	25.7	25.4	-98.40	240.8	-444.1	193.7	143.1	50.60	3.829	
7,200.0	7,176.4	7,208.2	7,176.7	26.1	25.8	-98.82	239.3	-444.3	194.1	142.8	51.29	3.784	
7,300.0	7,276.4	7,308.3	7,276.8	26.4	26.1	-99.29	237.7	-444.4	194.4	142.4	51.99	3.739	
7,400.0	7,376.4	7,409.0	7,377.4	26.8	26.4	-99.83	235.8	-444.3	194.6	141.9	52.68	3.694	
7,500.0	7,476.4	7,510.2	7,478.7	27.1	26.8	-100.33	234.2	-443.6	194.3	140.9	53.37	3.640	
7,600.0	7,576.4	7,612.1	7,580.5	27.5	27.1	-100.76	233.0	-442.3	193.2	139.2	54.05	3.575	
7,700.0	7,676.4	7,714.4	7,682.8	27.8	27.4	-101.07	232.4	-439.8	191.0	136.3	54.71	3.490	
7,800.0	7,776.4	7,814.5	7,782.8	28.2	27.8	-101.30	232.3	-436.7	187.9	132.5	55.40	3.392	
7,900.0	7,876.4	7,913.6	7,881.9	28.5	28.1	-101.52	232.1	-433.9	185.2	129.1	56.10	3.302	
8,000.0	7,976.4	8,014.5	7,982.7	28.9	28.4	-101.58	232.4	-431.4	182.7	125.9	56.77	3.217	
8,100.0	8,076.4	8,115.8	8,084.0	29.2	28.7	-101.04	234.8	-428.4	179.3	121.9	57.43	3.123	
8,200.0	8,176.4	8,215.2	8,183.3	29.6	29.1	-99.99	238.6	-425.5	175.7	117.6	58.11	3.024	
8,300.0	8,276.4	8,314.4	8,282.3	29.9	29.4	-98.59	243.3	-423.1	172.6	113.8	58.79	2.936	
8,400.0	8,376.4	8,413.0	8,380.8	30.3	29.8	-97.15	247.9	-421.3	170.2	110.7	59.48	2.861	
8,500.0	8,476.4	8,511.8	8,479.5	30.6	30.1	-95.96	251.6	-420.1	168.5	108.3	60.17	2.801	
8,600.0	8,576.4	8,609.7	8,577.4	31.0	30.4	-95.02	254.4	-419.7	167.9	107.0	60.87	2.758	
8,602.1	8,578.5	8,611.8	8,579.5	31.0	30.4	-95.00	254.4	-419.8	167.9	107.0	60.89	2.757	
8,700.0	8,676.4	8,708.1	8,675.7	31.3	30.8	-94.31	256.4	-420.5	168.4	106.9	61.57	2.736	
8,800.0	8,776.4	8,808.0	8,775.7	31.7	31.1	-93.82	257.8	-421.5	169.4	107.2	62.26	2.721	
8,900.0	8,876.4	8,907.9	8,875.5	32.0	31.5	-93.53	258.6	-422.6	170.5	107.5	62.96	2.707	
9,000.0	8,976.4	9,007.4	8,975.0	32.4	31.8	-93.39	258.9	-423.9	171.7	108.0	63.66	2.697	
9,100.0	9,076.4	9,107.1	9,074.7	32.7	32.2	-93.35	258.9	-425.4	173.2	108.8	64.36	2.691	
9,200.0	9,176.4	9,207.3	9,174.9	33.1	32.5	-93.40	258.7	-426.8	174.6	109.6	65.07	2.684	
9,300.0	9,276.4	9,307.6	9,275.2	33.4	32.9	-93.52	258.3	-428.1	176.0	110.2	65.77	2.676	
9,400.0	9,376.4	9,407.8	9,375.4	33.8	33.2	-93.60	257.9	-429.3	177.2	110.7	66.47	2.665	
9,500.0	9,476.4	9,507.9	9,475.4	34.2	33.6	-93.69	257.6	-430.3	178.2	111.0	67.18	2.653	
9,600.0	9,576.4	9,607.7	9,575.3	34.5	33.9	-93.95	256.7	-431.4	179.3	111.5	67.88	2.642	
9,700.0	9,676.4	9,707.5	9,675.0	34.9	34.2	-94.36	255.3	-432.5	180.6	112.0	68.59	2.633	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.0	9,776.4	9,807.2	9,774.7	35.2	34.6	-94.86	253.7	-433.8	181.9	112.6	69.30	2.625	
9,900.0	9,876.4	9,907.0	9,874.5	35.6	34.9	-95.41	251.8	-435.1	183.5	113.4	70.01	2.620	
10,000.0	9,976.4	10,006.7	9,974.2	35.9	35.3	-96.00	249.7	-436.6	185.1	114.4	70.72	2.617	
10,029.6	10,006.0	10,036.4	10,003.8	36.0	35.4	-96.18	249.1	-437.0	185.6	114.7	70.93	2.617	
10,050.0	10,026.4	10,056.7	10,024.2	36.1	35.4	66.47	248.6	-437.3	185.8	114.7	71.07	2.615	
10,100.0	10,076.2	10,106.7	10,074.2	36.2	35.6	67.29	247.3	-438.0	185.1	113.7	71.38	2.593	
10,150.0	10,125.5	10,156.4	10,123.8	36.4	35.8	69.47	245.9	-438.7	182.8	111.1	71.66	2.551	
10,200.0	10,173.9	10,205.2	10,172.6	36.5	35.9	73.02	244.4	-439.3	179.3	107.4	71.91	2.494	
10,250.0	10,221.0	10,252.4	10,219.7	36.7	36.1	77.85	242.9	-440.0	175.6	103.4	72.12	2.434	
10,300.0	10,266.4	10,298.0	10,265.3	36.8	36.3	83.86	241.6	-440.7	172.7	100.3	72.32	2.388	
10,335.8	10,297.8	10,329.5	10,296.8	36.9	36.4	88.70	240.7	-441.3	171.9	99.4	72.45	2.373	SF
10,350.0	10,309.9	10,341.7	10,309.0	36.9	36.4	90.68	240.3	-441.6	172.0	99.5	72.50	2.373	
10,400.0	10,351.1	10,383.2	10,350.5	37.0	36.6	97.75	239.2	-442.5	175.2	102.5	72.70	2.410	
10,450.0	10,389.7	10,422.6	10,389.8	37.1	36.7	104.54	238.3	-443.4	183.6	110.7	72.94	2.518	
10,500.0	10,425.3	10,459.2	10,426.4	37.2	36.8	110.51	237.4	-444.3	198.1	124.8	73.22	2.705	
10,550.0	10,457.7	10,492.6	10,459.8	37.3	36.9	115.27	236.6	-445.1	218.7	145.2	73.52	2.975	
10,600.0	10,486.7	10,522.6	10,489.8	37.3	37.0	118.65	235.9	-445.8	245.2	171.4	73.82	3.322	
10,650.0	10,512.1	10,549.0	10,516.2	37.4	37.1	120.55	235.4	-446.3	276.9	202.8	74.08	3.737	
10,700.0	10,533.6	10,571.5	10,538.7	37.5	37.2	120.88	234.9	-446.8	312.8	238.5	74.31	4.210	
10,750.0	10,551.0	10,590.1	10,557.3	37.6	37.3	119.44	234.5	-447.2	352.3	277.8	74.49	4.730	
10,800.0	10,564.4	10,604.3	10,571.5	37.8	37.3	115.84	234.3	-447.6	394.6	320.0	74.64	5.287	
10,850.0	10,573.4	10,614.5	10,581.7	37.9	37.4	109.66	234.1	-447.8	439.0	364.3	74.75	5.873	
10,900.0	10,578.2	10,620.4	10,587.6	38.1	37.4	100.21	234.0	-447.9	484.9	410.1	74.82	6.481	
10,929.6	10,579.0	10,621.9	10,589.1	38.2	37.4	92.96	233.9	-447.9	512.6	437.7	74.85	6.848	
11,000.0	10,579.0	10,623.6	10,590.7	38.4	37.4	93.77	233.9	-448.0	579.4	504.5	74.91	7.735	
11,100.0	10,579.0	10,625.9	10,593.0	38.8	37.4	95.25	233.9	-448.0	676.3	601.4	74.96	9.022	
11,200.0	10,579.0	11,816.6	11,252.2	39.2	40.8	176.35	-546.7	-536.3	673.8	640.9	32.95	20.452	
11,300.0	10,579.0	11,909.7	11,251.5	39.7	41.2	177.69	-639.8	-537.8	672.1	638.7	33.45	20.096	
11,374.7	10,579.0	11,978.8	11,251.5	40.1	41.6	178.52	-708.9	-538.9	671.7	637.8	33.92	19.803	
11,400.0	10,579.0	12,002.2	11,251.6	40.3	41.7	178.78	-732.3	-539.2	671.8	637.7	34.09	19.706	
11,500.0	10,579.0	12,091.0	11,252.8	40.9	42.2	179.63	-821.1	-540.2	673.0	638.2	34.82	19.327	
11,600.0	10,579.0	12,203.4	11,254.5	41.5	42.9	-179.64	-933.4	-541.5	674.5	638.8	35.74	18.872	
11,700.0	10,579.0	12,301.7	11,254.9	42.2	43.6	-179.30	-1,031.8	-542.6	675.0	638.4	36.59	18.446	
11,800.0	10,579.0	12,391.1	11,256.1	42.9	44.2	-179.24	-1,121.1	-543.5	676.4	639.0	37.38	18.095	
11,814.4	10,579.0	12,404.8	11,256.4	43.0	44.3	-179.25	-1,134.9	-543.6	676.7	639.2	37.50	18.044	
11,900.0	10,579.0	12,486.2	11,258.5	43.6	44.9	-179.32	-1,216.2	-543.9	678.8	640.6	38.24	17.753	
12,000.0	10,579.0	12,573.8	11,261.7	44.4	45.6	-179.32	-1,303.7	-543.3	682.5	643.4	39.12	17.448	
12,100.0	10,579.0	12,715.3	11,261.7	45.3	46.9	-179.24	-1,445.2	-541.4	681.9	641.4	40.50	16.838	
12,146.1	10,579.0	12,751.4	11,261.5	45.7	47.2	-179.17	-1,481.3	-540.3	681.6	640.7	40.85	16.686	
12,200.0	10,579.0	12,803.4	11,261.7	46.1	47.7	-179.05	-1,533.3	-538.4	681.8	640.4	41.40	16.469	
12,300.0	10,579.0	12,909.8	11,261.3	47.1	48.6	-179.16	-1,639.6	-539.0	681.5	638.9	42.52	16.026	
12,400.0	10,579.0	13,011.9	11,260.6	48.0	49.6	-179.38	-1,741.7	-540.9	680.7	637.1	43.60	15.610	
12,500.0	10,579.0	13,108.5	11,259.8	49.0	50.6	-179.59	-1,838.3	-542.8	679.8	635.2	44.64	15.229	
12,600.0	10,579.0	13,205.7	11,259.6	50.1	51.6	-179.67	-1,935.5	-543.0	679.7	633.9	45.73	14.862	
12,700.0	10,579.0	13,349.5	11,254.7	51.1	53.2	-179.42	-2,079.1	-539.1	676.2	628.4	47.73	14.167	
12,800.0	10,579.0	13,446.3	11,248.6	52.2	54.3	-179.21	-2,175.7	-536.1	669.9	621.0	48.89	13.703	
12,900.0	10,579.0	13,533.7	11,243.7	53.4	55.3	-178.99	-2,262.9	-533.0	664.4	614.5	49.88	13.319	
13,000.0	10,579.0	13,612.5	11,241.9	54.5	56.2	-179.04	-2,341.7	-533.1	662.0	611.3	50.72	13.053	
13,100.0	10,579.0	13,713.2	11,241.1	55.7	57.4	-179.17	-2,442.4	-533.8	661.3	609.3	51.96	12.726	
13,200.0	10,579.0	13,825.8	11,238.7	56.9	58.7	-179.29	-2,554.9	-534.6	659.1	605.6	53.43	12.336	
13,300.0	10,579.0	13,915.1	11,236.2	58.1	59.8	-179.34	-2,644.2	-534.5	656.3	601.8	54.51	12.040	
13,338.3	10,579.0	13,944.4	11,236.0	58.6	60.2	-179.34	-2,673.5	-534.3	656.0	601.2	54.85	11.960	

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

Matador PRODUCTION COMPANY

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,400.0	10,579.0	13,996.6	11,236.4	59.4	60.8	-179.33	-2,725.7	-533.8	656.6	601.1	55.51	11.828	
13,500.0	10,579.0	14,085.3	11,238.4	60.6	62.0	-179.25	-2,814.3	-532.3	658.8	602.1	56.67	11.626	
13,600.0	10,579.0	14,179.7	11,242.2	61.9	63.2	-179.08	-2,908.6	-529.6	662.9	604.9	57.94	11.440	
13,700.0	10,579.0	14,313.3	11,244.7	63.2	64.9	-179.06	-3,042.2	-528.4	664.8	605.0	59.81	11.116	
13,800.0	10,579.0	14,423.5	11,242.2	64.5	66.3	-179.27	-3,152.4	-530.1	662.5	601.2	61.30	10.808	
13,900.0	10,579.0	14,520.4	11,239.9	65.9	67.6	-179.30	-3,249.2	-529.8	660.1	597.5	62.59	10.546	
14,000.0	10,579.0	14,628.7	11,237.0	67.2	69.1	-179.26	-3,357.4	-528.7	657.4	593.3	64.12	10.254	
14,067.4	10,579.0	14,673.8	11,236.3	68.1	69.7	-179.24	-3,402.6	-528.2	656.4	591.7	64.65	10.153	
14,100.0	10,579.0	14,696.6	11,236.5	68.6	70.0	-179.22	-3,425.4	-527.7	656.6	591.7	64.94	10.112	
14,200.0	10,579.0	14,832.9	11,234.9	70.0	71.9	-179.14	-3,561.5	-525.9	655.5	588.5	66.98	9.787	
14,300.0	10,579.0	14,908.4	11,233.3	71.3	72.9	-179.07	-3,637.0	-524.6	653.4	585.4	67.94	9.617	
14,319.1	10,579.0	14,925.6	11,233.2	71.6	73.2	-179.04	-3,654.2	-524.1	653.3	585.2	68.18	9.583	
14,400.0	10,579.0	14,998.4	11,233.6	72.7	74.2	-178.83	-3,727.0	-521.3	653.9	584.6	69.21	9.447	
14,500.0	10,579.0	15,118.0	11,232.9	74.1	75.8	-178.74	-3,846.5	-519.4	653.2	582.2	70.99	9.202	
14,600.0	10,579.0	15,214.8	11,231.7	75.6	77.2	-178.85	-3,943.3	-520.0	651.9	579.6	72.32	9.013	
14,700.0	10,579.0	15,322.1	11,229.8	77.0	78.7	-178.84	-4,050.6	-519.2	650.2	576.3	73.88	8.801	
14,800.0	10,579.0	15,424.7	11,226.8	78.4	80.2	-178.82	-4,153.1	-518.4	647.2	571.9	75.36	8.589	
14,900.0	10,579.0	15,515.5	11,224.8	79.9	81.5	-178.80	-4,243.9	-517.5	645.1	568.5	76.62	8.419	
15,000.0	10,579.0	15,612.7	11,224.1	81.3	82.9	-178.75	-4,341.1	-516.2	644.3	566.3	78.02	8.258	
15,100.0	10,579.0	15,759.3	11,218.7	82.8	85.0	-178.88	-4,487.6	-516.9	641.0	560.7	80.30	7.983	
15,200.0	10,579.0	15,861.0	11,210.4	84.2	86.5	-179.19	-4,588.9	-519.7	632.8	551.1	81.69	7.746	
15,300.0	10,579.0	15,959.1	11,202.3	85.7	88.0	-179.38	-4,686.6	-521.2	624.4	541.4	83.06	7.518	
15,400.0	10,579.0	16,053.4	11,194.9	87.2	89.4	-179.35	-4,780.6	-520.3	616.6	532.2	84.41	7.305	
15,500.0	10,579.0	16,146.6	11,188.4	88.7	90.8	-179.27	-4,873.6	-518.9	609.6	523.9	85.76	7.109	
15,600.0	10,579.0	16,227.0	11,184.3	90.2	91.9	-179.26	-4,953.9	-518.3	604.7	517.9	86.85	6.962	
15,683.7	10,579.0	16,292.0	11,183.2	91.4	92.9	-179.26	-5,018.9	-517.9	603.2	515.5	87.72	6.877	
15,700.0	10,579.0	16,304.1	11,183.2	91.7	93.1	-179.25	-5,031.0	-517.7	603.3	515.4	87.88	6.865	
15,800.0	10,579.0	16,397.9	11,184.7	93.2	94.5	-179.23	-5,124.8	-516.8	604.8	515.6	89.23	6.778	
15,900.0	10,579.0	16,495.2	11,186.5	94.7	96.0	-179.36	-5,222.0	-517.5	606.7	516.1	90.63	6.695	
16,000.0	10,579.0	16,585.4	11,189.1	96.2	97.3	-179.60	-5,312.1	-519.4	609.6	517.7	91.87	6.636	
16,100.0	10,579.0	16,698.9	11,192.6	97.7	99.0	-179.92	-5,425.5	-522.0	612.7	519.1	93.58	6.548	
16,200.0	10,579.0	16,793.5	11,194.5	99.2	100.5	179.78	-5,520.1	-524.6	614.7	519.8	94.92	6.476	
16,300.0	10,579.0	16,896.3	11,196.9	100.7	102.0	179.49	-5,622.8	-527.0	617.1	520.7	96.44	6.398	
16,400.0	10,579.0	17,012.1	11,197.3	102.3	103.8	179.20	-5,738.6	-529.3	617.4	519.1	98.22	6.286	
16,490.5	10,579.0	17,099.2	11,196.9	103.7	105.1	179.12	-5,825.7	-529.6	617.0	517.5	99.50	6.201	
16,500.0	10,579.0	17,107.9	11,196.9	103.8	105.2	179.11	-5,834.4	-529.5	617.0	517.4	99.63	6.193	
16,600.0	10,579.0	17,202.6	11,197.6	105.3	106.7	179.12	-5,929.1	-528.8	617.8	516.7	101.03	6.115	
16,700.0	10,579.0	17,304.3	11,198.5	106.9	108.2	179.17	-6,030.8	-527.6	618.6	516.1	102.56	6.032	
16,800.0	10,579.0	17,413.0	11,198.8	108.4	109.9	179.25	-6,139.5	-526.0	618.9	514.7	104.22	5.938	
16,900.0	10,579.0	17,509.5	11,197.9	110.0	111.4	179.32	-6,236.0	-524.6	618.0	512.3	105.66	5.848	
17,000.0	10,579.0	17,622.5	11,197.5	111.5	113.1	179.62	-6,348.9	-520.5	617.7	510.3	107.42	5.751	
17,073.0	10,579.0	17,681.7	11,196.4	112.7	114.1	179.71	-6,408.1	-519.1	616.5	508.2	108.27	5.694	
17,100.0	10,579.0	17,700.3	11,196.6	113.1	114.4	179.76	-6,426.6	-518.5	616.7	508.2	108.52	5.683	
17,200.0	10,579.0	17,791.8	11,199.4	114.6	115.8	-179.94	-6,518.0	-514.6	619.7	509.8	109.87	5.640	
17,300.0	10,579.0	17,888.0	11,201.9	116.2	117.3	-179.60	-6,614.1	-510.2	622.2	510.9	111.34	5.589	
17,400.0	10,579.0	17,977.4	11,205.7	117.7	118.7	-179.18	-6,703.3	-505.0	626.6	513.9	112.68	5.561	
17,500.0	10,579.0	18,088.3	11,210.9	119.3	120.4	-178.64	-6,813.8	-498.2	631.5	516.9	114.57	5.512	
17,600.0	10,579.0	18,216.9	11,212.3	120.9	122.4	-178.37	-6,942.3	-494.4	632.6	515.8	116.76	5.418	
17,672.2	10,579.0	18,281.7	11,212.0	122.0	123.4	-178.28	-7,007.2	-492.9	632.3	514.6	117.74	5.371	
17,700.0	10,579.0	18,308.2	11,212.1	122.4	123.8	-178.22	-7,033.6	-492.1	632.4	514.2	118.15	5.352	
17,800.0	10,579.0	18,410.0	11,211.9	124.0	125.4	-177.98	-7,135.4	-488.8	632.3	512.6	119.79	5.279	
17,804.5	10,579.0	18,414.1	11,211.9	124.1	125.5	-177.97	-7,139.5	-488.6	632.3	512.5	119.85	5.276	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.0	10,579.0	18,505.5	11,212.4	125.6	126.9	-177.63	-7,230.8	-484.1	633.0	511.6	121.35	5.216	
18,000.0	10,579.0	18,628.4	11,210.0	127.2	128.9	-177.54	-7,353.6	-482.5	630.9	507.6	123.35	5.115	
18,100.0	10,579.0	18,725.0	11,207.5	128.7	130.4	-177.65	-7,450.2	-483.1	628.2	503.4	124.77	5.035	
18,200.0	10,579.0	18,818.3	11,205.6	130.3	131.9	-177.74	-7,543.4	-483.5	626.2	500.0	126.13	4.965	
18,280.5	10,579.0	18,890.3	11,205.1	131.6	133.0	-177.74	-7,615.5	-483.0	625.6	498.4	127.18	4.919	
18,300.0	10,579.0	18,907.8	11,205.2	131.9	133.3	-177.74	-7,632.9	-482.8	625.7	498.2	127.44	4.910	
18,400.0	10,579.0	18,998.3	11,206.2	133.5	134.7	-177.68	-7,723.4	-481.5	626.8	498.0	128.78	4.867	
18,500.0	10,579.0	19,115.8	11,208.0	135.1	136.5	-177.60	-7,840.8	-479.8	628.6	497.9	130.71	4.809	
18,600.0	10,579.0	19,236.6	11,204.0	136.6	138.5	-177.77	-7,961.6	-481.0	625.1	492.5	132.54	4.716	
18,700.0	10,579.0	19,352.9	11,197.7	138.2	140.3	-177.92	-8,077.7	-482.1	619.6	485.4	134.22	4.616	
18,800.0	10,579.0	19,427.2	11,194.4	139.8	141.5	-178.14	-8,151.9	-484.0	615.0	479.7	135.28	4.546	
18,886.0	10,579.0	19,496.3	11,193.6	141.2	142.6	-178.37	-8,220.9	-486.1	613.8	477.6	136.19	4.507	
18,900.0	10,579.0	19,507.7	11,193.6	141.4	142.7	-178.41	-8,232.3	-486.4	613.9	477.5	136.34	4.502	
19,000.0	10,579.0	19,615.1	11,194.3	143.0	144.4	-178.84	-8,339.7	-490.3	614.4	476.5	137.89	4.456	
19,100.0	10,579.0	19,711.7	11,193.7	144.6	145.9	-179.39	-8,436.2	-495.5	613.7	474.5	139.22	4.408	
19,200.0	10,579.0	19,834.5	11,191.5	146.2	147.9	179.97	-8,558.7	-501.5	612.0	471.0	141.03	4.340	
19,251.9	10,579.0	19,862.8	11,191.3	147.0	148.3	179.82	-8,587.0	-502.9	611.4	470.0	141.41	4.323	
19,300.0	10,579.0	19,895.7	11,191.7	147.8	148.9	179.67	-8,619.9	-504.2	612.0	470.2	141.81	4.315	
19,400.0	10,579.0	19,988.1	11,195.1	149.4	150.3	179.39	-8,712.2	-506.7	615.6	472.4	143.15	4.300	
19,500.0	10,579.0	20,088.3	11,198.8	151.0	151.9	179.21	-8,812.3	-508.0	619.3	474.6	144.69	4.280	
19,600.0	10,579.0	20,191.4	11,202.3	152.6	153.6	179.14	-8,915.4	-508.0	622.7	476.4	146.30	4.256	
19,700.0	10,579.0	20,331.9	11,201.4	154.2	155.8	179.19	-9,055.9	-506.6	621.8	473.2	148.60	4.185	
19,800.0	10,579.0	20,432.4	11,197.7	155.8	157.4	179.27	-9,156.2	-504.9	618.1	468.0	150.14	4.117	
19,900.0	10,579.0	20,517.3	11,195.5	157.4	158.8	179.20	-9,241.1	-505.1	615.6	464.2	151.44	4.065	
19,925.8	10,579.0	20,537.1	11,195.4	157.8	159.1	179.18	-9,260.9	-505.1	615.5	463.8	151.73	4.057	
20,000.0	10,579.0	20,601.5	11,196.2	159.0	160.1	179.15	-9,325.3	-505.0	616.4	463.7	152.67	4.037	
20,100.0	10,579.0	20,710.0	11,197.2	160.6	161.8	179.06	-9,433.8	-505.3	617.3	462.9	154.38	3.998	
20,200.0	10,579.0	20,824.3	11,196.3	162.2	163.7	178.95	-9,548.1	-505.7	616.6	460.4	156.17	3.948	
20,300.0	10,579.0	20,912.8	11,194.5	163.8	165.1	178.85	-9,636.5	-506.0	614.6	457.1	157.52	3.902	
20,305.3	10,579.0	20,916.7	11,194.5	163.9	165.2	178.86	-9,640.5	-505.9	614.6	457.0	157.58	3.900	
20,400.0	10,579.0	21,009.4	11,195.7	165.4	166.6	179.16	-9,733.0	-502.1	615.7	456.8	158.98	3.873	
20,500.0	10,579.0	21,131.9	11,193.7	167.0	168.6	179.40	-9,855.5	-498.6	614.1	453.2	160.90	3.817	
20,597.4	10,579.0	21,209.0	11,192.1	168.6	169.8	179.51	-9,932.5	-496.9	612.1	450.1	162.07	3.777	
20,600.0	10,579.0	21,210.9	11,192.1	168.6	169.9	179.52	-9,934.4	-496.8	612.1	450.1	162.09	3.777	
20,700.0	10,579.0	21,298.3	11,193.5	170.2	171.3	179.73	-10,021.8	-494.0	613.7	450.3	163.37	3.757	
20,800.0	10,579.0	21,404.5	11,195.6	171.8	173.0	179.96	-10,127.9	-490.7	615.7	450.6	165.07	3.730	
20,900.0	10,579.0	21,510.0	11,196.3	173.4	174.7	179.90	-10,233.4	-490.6	616.3	449.6	166.73	3.696	
21,000.0	10,579.0	21,606.0	11,196.7	175.1	176.2	179.82	-10,329.4	-490.9	616.8	448.6	168.18	3.667	
21,100.0	10,579.0	21,708.2	11,197.6	176.7	177.9	179.85	-10,431.6	-489.8	617.6	447.8	169.77	3.638	
21,200.0	10,579.0	21,807.4	11,198.2	178.3	179.5	-179.99	-10,530.8	-487.4	618.2	446.9	171.31	3.609	
21,300.0	10,579.0	21,919.8	11,197.9	179.9	181.3	-179.72	-10,643.1	-483.7	617.9	444.8	173.13	3.569	
21,400.0	10,579.0	22,016.6	11,197.1	181.5	182.9	-179.28	-10,739.8	-478.3	617.2	442.5	174.71	3.533	
21,500.0	10,579.0	22,120.8	11,195.7	183.1	184.5	-178.66	-10,843.6	-470.9	616.0	439.5	176.51	3.490	
21,600.0	10,579.0	22,224.0	11,194.2	184.7	186.2	-178.60	-10,946.8	-469.6	614.5	436.3	178.14	3.449	
21,700.0	10,579.0	22,319.7	11,192.1	186.4	187.7	-178.79	-11,042.5	-471.0	612.2	432.7	179.54	3.410	
21,734.0	10,579.0	22,346.2	11,191.9	186.9	188.2	-178.85	-11,069.0	-471.5	612.0	432.1	179.90	3.402	
21,800.0	10,579.0	22,404.9	11,192.5	188.0	189.1	-178.98	-11,127.7	-472.5	612.7	432.0	180.72	3.390	
21,900.0	10,579.0	22,502.3	11,193.4	189.6	190.7	-179.38	-11,225.0	-476.1	613.5	431.4	182.10	3.369	
22,000.0	10,579.0	22,583.4	11,196.2	191.2	192.0	-179.65	-11,306.0	-478.4	616.9	433.8	183.08	3.370	
22,100.0	10,579.0	22,683.5	11,200.9	192.8	193.6	-179.93	-11,406.0	-480.7	621.6	437.0	184.59	3.367	
22,200.0	10,579.0	22,798.0	11,205.7	194.5	195.4	179.75	-11,520.4	-483.4	625.9	439.3	186.52	3.356	
22,300.0	10,579.0	22,908.0	11,206.2	196.1	197.2	179.42	-11,630.3	-486.2	626.3	438.0	188.29	3.326	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,400.0	10,579.0	22,999.8	11,207.6	197.7	198.7	179.30	-11,722.1	-487.0	627.8	438.2	189.66	3.310	
22,500.0	10,579.0	23,101.0	11,209.9	199.3	200.3	179.37	-11,823.2	-485.5	630.0	438.8	191.23	3.295	
22,600.0	10,579.0	23,211.1	11,211.2	200.9	202.1	179.65	-11,933.2	-481.7	631.2	438.2	193.00	3.270	
22,700.0	10,579.0	23,310.1	11,211.4	202.6	203.7	-179.93	-12,032.1	-476.4	631.4	436.8	194.56	3.245	
22,800.0	10,579.0	23,412.2	11,211.7	204.2	205.4	-179.16	-12,133.8	-467.2	631.8	435.5	196.30	3.218	
22,900.0	10,579.0	23,503.3	11,212.2	205.8	206.9	-178.18	-12,224.2	-455.7	632.6	434.6	198.00	3.195	
23,000.0	10,579.0	23,575.0	11,213.2	207.4	208.1	-177.24	-12,295.0	-444.8	635.2	436.0	199.18	3.189	
23,081.2	10,579.0	23,575.0	11,213.2	208.8	208.1	-177.24	-12,295.0	-444.8	645.4	449.1	196.24	3.289	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-110.91	-30.5	-79.8	85.4				
100.0	100.0	99.9	99.9	0.1	0.1	-110.98	-30.6	-79.8	85.5	85.2	0.28	308.943	
200.0	200.0	199.8	199.8	0.5	0.4	-111.16	-30.9	-79.8	85.6	84.7	0.85	100.353	
300.0	300.0	299.3	299.3	0.8	0.7	-111.23	-31.2	-80.3	86.1	84.5	1.56	55.045	
400.0	400.0	399.2	399.2	1.2	1.1	-111.25	-31.5	-81.1	87.0	84.7	2.28	38.181	
500.0	500.0	499.2	499.2	1.6	1.4	-111.47	-32.2	-81.8	87.9	84.9	2.99	29.371	
600.0	600.0	599.3	599.2	1.9	1.8	-111.89	-33.1	-82.4	88.8	85.1	3.71	23.938	
700.0	700.0	699.3	699.3	2.3	2.1	-112.54	-34.4	-82.8	89.6	85.2	4.43	20.250	
800.0	800.0	799.0	798.9	2.6	2.5	-113.46	-36.1	-83.1	90.6	85.5	5.14	17.629	
900.0	900.0	898.8	898.7	3.0	2.9	-114.63	-38.3	-83.6	92.0	86.1	5.86	15.701	
1,000.0	1,000.0	998.9	998.8	3.4	3.2	-115.78	-40.6	-84.0	93.3	86.7	6.57	14.190	
1,100.0	1,100.0	1,098.5	1,098.4	3.7	3.6	-116.81	-42.7	-84.4	94.6	87.3	7.29	12.979	
1,200.0	1,200.0	1,198.5	1,198.4	4.1	3.9	-117.71	-44.9	-85.4	96.5	88.5	8.01	12.046	
1,300.0	1,300.0	1,298.9	1,298.7	4.4	4.3	-118.73	-47.1	-85.9	98.0	89.2	8.73	11.227	
1,400.0	1,400.0	1,399.1	1,398.9	4.8	4.7	-119.84	-49.3	-86.0	99.2	89.7	9.44	10.499	
1,500.0	1,500.0	1,499.3	1,499.1	5.1	5.0	-120.93	-51.5	-85.9	100.1	90.0	10.16	9.855	
1,600.0	1,600.0	1,601.0	1,600.7	5.5	5.4	-79.16	-52.9	-85.2	100.1	89.3	10.87	9.214	
1,700.0	1,700.0	1,702.7	1,702.5	5.9	5.7	-81.15	-52.7	-83.4	98.1	86.5	11.57	8.477	
1,800.0	1,799.9	1,802.2	1,801.9	6.2	6.1	-84.12	-51.9	-81.2	95.2	83.0	12.26	7.768	
1,900.0	1,899.7	1,901.7	1,901.4	6.6	6.4	-88.44	-51.3	-79.0	92.8	79.8	12.95	7.162	
2,000.0	1,999.4	2,000.7	2,000.4	6.9	6.7	-94.15	-51.3	-76.9	91.4	77.8	13.65	6.697	
2,025.5	2,024.8	2,026.0	2,025.6	7.0	6.8	-95.82	-51.4	-76.4	91.4	77.5	13.83	6.606	ES
2,100.0	2,098.9	2,099.6	2,099.3	7.3	7.1	-101.10	-51.8	-75.1	92.0	77.6	14.36	6.405	
2,200.0	2,198.3	2,198.5	2,198.1	7.7	7.4	-108.71	-52.5	-73.7	94.8	79.7	15.07	6.287	
2,300.0	2,297.4	2,297.4	2,297.0	8.0	7.8	-116.42	-53.3	-72.6	100.1	84.3	15.79	6.343	
2,400.0	2,396.4	2,396.7	2,396.3	8.4	8.1	-123.22	-53.7	-72.4	107.4	90.9	16.50	6.508	
2,500.0	2,495.5	2,495.7	2,495.3	8.8	8.5	-128.66	-53.6	-73.0	115.6	98.4	17.21	6.720	
2,600.0	2,594.5	2,594.3	2,593.9	9.2	8.8	-133.21	-53.8	-73.9	125.1	107.2	17.92	6.983	
2,700.0	2,693.5	2,694.8	2,694.4	9.6	9.1	-137.09	-54.0	-75.0	135.2	116.6	18.63	7.258	
2,800.0	2,792.5	2,796.8	2,796.4	10.0	9.5	-140.45	-52.3	-76.3	144.1	124.7	19.35	7.447	
2,900.0	2,891.6	2,896.2	2,895.8	10.3	9.8	-143.34	-49.5	-77.7	152.1	132.1	20.05	7.587	
3,000.0	2,990.6	2,994.8	2,994.3	10.7	10.2	-145.81	-47.2	-79.2	161.0	140.2	20.75	7.757	
3,100.0	3,089.6	3,093.6	3,093.1	11.1	10.5	-147.96	-45.3	-80.9	170.5	149.1	21.46	7.947	
3,200.0	3,188.6	3,192.4	3,191.9	11.5	10.8	-149.84	-43.8	-82.7	180.6	158.4	22.16	8.148	
3,300.0	3,287.7	3,288.5	3,287.9	11.9	11.2	-151.49	-43.1	-84.1	191.7	168.9	22.86	8.388	
3,400.0	3,386.7	3,384.0	3,383.4	12.3	11.5	-153.02	-44.1	-84.8	204.8	181.3	23.54	8.700	
3,500.0	3,485.7	3,482.6	3,482.0	12.7	11.9	-154.48	-45.9	-85.0	219.0	194.8	24.25	9.030	
3,600.0	3,584.8	3,581.3	3,580.7	13.1	12.2	-155.88	-47.6	-84.7	233.4	208.4	24.96	9.349	
3,700.0	3,683.8	3,678.0	3,677.4	13.5	12.6	-157.22	-49.5	-83.8	248.3	222.6	25.65	9.679	
3,800.0	3,782.8	3,774.8	3,774.1	13.9	12.9	-158.52	-51.9	-82.1	264.2	237.8	26.34	10.028	
3,900.0	3,881.8	3,876.2	3,875.5	14.3	13.3	-159.82	-54.1	-80.1	280.0	252.9	27.07	10.340	
4,000.0	3,980.9	3,978.6	3,977.9	14.8	13.6	-161.03	-55.3	-78.2	294.8	267.0	27.81	10.601	
4,100.0	4,079.9	4,085.3	4,084.5	15.2	14.0	-162.19	-54.4	-77.1	307.8	279.2	28.56	10.777	
4,200.0	4,178.9	4,189.1	4,188.3	15.6	14.3	-163.25	-51.5	-77.0	318.6	289.3	29.28	10.879	
4,283.5	4,261.6	4,271.8	4,270.9	15.9	14.6	-164.04	-48.8	-77.0	327.3	297.5	29.87	10.959	
4,300.0	4,277.9	4,288.1	4,287.2	16.0	14.7	-164.20	-48.3	-77.0	329.0	299.1	29.98	10.974	
4,400.0	4,377.2	4,387.3	4,386.4	16.4	15.0	-165.04	-45.1	-76.9	338.0	307.4	30.68	11.017	
4,500.0	4,476.7	4,487.0	4,486.0	16.8	15.4	-165.71	-42.1	-77.0	344.6	313.2	31.38	10.981	
4,600.0	4,576.5	4,586.4	4,585.4	17.1	15.7	-166.20	-39.2	-77.2	348.8	316.7	32.08	10.870	
4,700.0	4,676.4	4,685.7	4,684.7	17.5	16.0	-166.54	-36.6	-77.6	350.5	317.7	32.78	10.693	
4,800.0	4,776.4	4,785.4	4,784.4	17.8	16.4	-166.73	-34.2	-78.1	349.9	316.4	33.48	10.453	
4,816.9	4,793.2	4,802.3	4,801.2	17.9	16.4	150.08	-33.8	-78.2	349.6	316.0	33.59	10.406	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,876.4	4,885.2	4,884.2	18.2	16.7	150.00	-32.0	-78.7	347.7	313.5	34.17	10.175	
5,000.0	4,976.4	4,985.0	4,983.9	18.5	17.1	149.94	-29.9	-79.5	345.5	310.6	34.87	9.909	
5,100.0	5,076.4	5,084.6	5,083.5	18.9	17.4	149.88	-27.9	-80.2	343.4	307.8	35.56	9.655	
5,200.0	5,176.4	5,184.9	5,183.7	19.2	17.8	149.83	-25.9	-81.0	341.2	305.0	36.26	9.411	
5,300.0	5,276.4	5,285.2	5,284.0	19.5	18.1	149.78	-23.8	-81.9	339.0	302.1	36.96	9.173	
5,400.0	5,376.4	5,384.2	5,383.0	19.9	18.5	149.77	-22.0	-82.9	336.9	299.3	37.66	8.947	
5,500.0	5,476.4	5,483.4	5,482.2	20.2	18.8	149.79	-20.5	-83.9	335.1	296.7	38.35	8.737	
5,600.0	5,576.4	5,584.7	5,583.5	20.6	19.2	149.76	-18.7	-84.8	333.1	294.1	39.06	8.529	
5,700.0	5,676.4	5,685.9	5,684.7	20.9	19.5	149.57	-16.1	-85.0	330.8	291.1	39.77	8.319	
5,800.0	5,776.4	5,786.4	5,785.1	21.2	19.9	149.33	-13.2	-85.1	328.3	287.8	40.47	8.112	
5,900.0	5,876.4	5,887.4	5,886.0	21.6	20.2	149.05	-10.0	-85.2	325.5	284.3	41.17	7.905	
6,000.0	5,976.4	5,989.0	5,987.6	21.9	20.6	148.49	-5.5	-84.2	322.3	280.4	41.88	7.695	
6,100.0	6,076.4	6,089.5	6,087.9	22.3	20.9	147.61	0.2	-81.9	318.6	276.1	42.58	7.484	
6,200.0	6,176.4	6,188.9	6,187.1	22.6	21.3	146.73	5.7	-79.7	315.1	271.9	43.27	7.282	
6,300.0	6,276.4	6,289.1	6,287.1	23.0	21.6	145.88	11.1	-77.7	311.8	267.8	43.98	7.090	
6,400.0	6,376.4	6,389.7	6,387.5	23.3	22.0	144.89	17.1	-75.3	308.2	263.6	44.68	6.899	
6,500.0	6,476.4	6,489.6	6,487.2	23.7	22.3	143.76	23.5	-72.5	304.6	259.3	45.38	6.713	
6,600.0	6,576.4	6,589.3	6,586.5	24.0	22.7	142.53	30.2	-69.4	301.2	255.1	46.08	6.536	
6,700.0	6,676.4	6,688.7	6,685.7	24.3	23.0	141.24	36.9	-66.1	297.9	251.1	46.78	6.368	
6,800.0	6,776.4	6,788.2	6,785.0	24.7	23.4	140.00	43.3	-63.0	294.9	247.4	47.49	6.210	
6,900.0	6,876.4	6,889.1	6,885.6	25.0	23.8	138.72	49.8	-60.0	291.9	243.7	48.20	6.056	
7,000.0	6,976.4	6,989.9	6,986.1	25.4	24.1	137.25	57.3	-56.7	288.6	239.7	48.91	5.901	
7,100.0	7,076.4	7,088.0	7,083.8	25.7	24.5	135.75	64.6	-53.3	285.6	236.0	49.61	5.757	
7,200.0	7,176.4	7,186.6	7,182.1	26.1	24.8	134.31	71.2	-49.8	283.4	233.0	50.31	5.632	
7,300.0	7,276.4	7,290.0	7,285.1	26.4	25.2	132.51	79.4	-45.6	280.8	229.7	51.04	5.501	
7,400.0	7,376.4	7,391.8	7,386.2	26.8	25.6	130.18	90.3	-40.8	277.3	225.5	51.76	5.356	
7,500.0	7,476.4	7,490.3	7,484.0	27.1	25.9	127.85	100.9	-36.1	274.1	221.6	52.48	5.223	
7,600.0	7,576.4	7,589.0	7,582.1	27.5	26.3	125.67	110.7	-31.8	271.7	218.5	53.20	5.107	
7,700.0	7,676.4	7,687.8	7,680.5	27.8	26.6	123.65	119.5	-27.9	269.9	215.9	53.92	5.005	
7,800.0	7,776.4	7,787.1	7,779.4	28.2	27.0	121.81	127.5	-24.3	268.6	213.9	54.64	4.916	
7,900.0	7,876.4	7,886.9	7,878.9	28.5	27.4	120.16	134.6	-21.2	267.6	212.2	55.36	4.833	
8,000.0	7,976.4	7,986.7	7,978.5	28.9	27.7	118.72	140.9	-18.6	266.7	210.6	56.08	4.756	
8,100.0	8,076.4	8,086.6	8,078.2	29.2	28.1	117.53	146.1	-16.7	266.0	209.2	56.80	4.682	
8,200.0	8,176.4	8,187.7	8,179.1	29.6	28.4	116.48	150.8	-15.2	265.2	207.6	57.52	4.610	
8,300.0	8,276.4	8,289.3	8,280.5	29.9	28.8	115.20	156.7	-13.8	263.8	205.6	58.25	4.529	
8,400.0	8,376.4	8,388.0	8,379.1	30.3	29.2	113.77	163.3	-12.4	262.4	203.4	58.97	4.450	
8,500.0	8,476.4	8,485.9	8,476.8	30.6	29.5	112.38	169.4	-10.4	261.8	202.1	59.68	4.387	
8,519.3	8,495.6	8,504.8	8,495.6	30.7	29.6	112.12	170.5	-10.0	261.8	202.0	59.82	4.376	
8,600.0	8,576.4	8,585.1	8,575.7	31.0	29.9	110.94	175.5	-7.9	261.9	201.5	60.40	4.336	
8,700.0	8,676.4	8,684.4	8,674.7	31.3	30.2	109.29	182.4	-4.9	262.3	201.2	61.12	4.292	
8,800.0	8,776.4	8,787.2	8,777.2	31.7	30.6	107.64	189.5	-2.3	262.5	200.7	61.87	4.243	
8,900.0	8,876.4	8,890.5	8,880.4	32.0	31.0	106.38	195.3	-1.5	261.6	199.0	62.61	4.178	
8,990.3	8,966.7	8,976.9	8,966.7	32.4	31.3	105.28	200.3	-0.7	261.1	197.8	63.24	4.128	
9,000.0	8,976.4	8,986.3	8,976.0	32.4	31.3	105.14	200.9	-0.5	261.1	197.8	63.31	4.123	
9,100.0	9,076.4	9,083.2	9,072.7	32.7	31.7	103.55	207.7	2.1	261.9	197.9	64.01	4.092	
9,200.0	9,176.4	9,184.2	9,173.4	33.1	32.0	102.08	214.0	4.9	263.2	198.5	64.75	4.065	
9,300.0	9,276.4	9,283.6	9,272.7	33.4	32.4	101.06	218.4	6.8	264.2	198.7	65.46	4.036	
9,400.0	9,376.4	9,378.2	9,367.1	33.8	32.8	99.98	222.9	9.9	266.6	200.5	66.12	4.032	
9,500.0	9,476.4	9,474.5	9,463.1	34.2	33.1	98.64	228.4	15.2	271.1	204.3	66.79	4.059	
9,600.0	9,576.4	9,578.5	9,566.9	34.5	33.5	97.58	232.8	20.2	275.3	207.7	67.57	4.074	
9,700.0	9,676.4	9,680.6	9,668.9	34.9	33.8	97.09	234.7	23.4	278.1	209.8	68.31	4.071	
9,800.0	9,776.4	9,779.1	9,767.4	35.2	34.2	96.51	237.2	26.6	281.0	212.0	69.00	4.072	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,876.4	9,879.9	9,868.0	35.6	34.5	95.68	240.9	30.3	284.3	214.6	69.73	4.077	
10,000.0	9,976.4	9,983.4	9,971.4	35.9	34.9	95.01	244.0	33.0	286.6	216.1	70.48	4.067	
10,029.6	10,006.0	10,014.1	10,002.1	36.0	35.0	94.86	244.8	33.5	287.1	216.4	70.70	4.060	
10,050.0	10,026.4	10,035.1	10,023.2	36.1	35.1	-102.58	245.2	33.8	287.4	216.6	70.85	4.057	
10,100.0	10,076.2	10,083.3	10,071.3	36.2	35.3	-103.47	246.7	34.7	289.1	217.9	71.18	4.062	
10,150.0	10,125.5	10,131.7	10,119.7	36.4	35.5	-105.11	248.7	35.7	292.1	220.6	71.50	4.085	
10,200.0	10,173.9	10,179.7	10,167.6	36.5	35.6	-107.27	250.6	36.7	296.8	225.0	71.83	4.132	
10,250.0	10,221.0	10,226.4	10,214.3	36.7	35.8	-109.74	252.1	37.6	303.5	231.4	72.14	4.208	
10,300.0	10,266.4	10,271.4	10,259.2	36.8	36.0	-112.34	253.2	38.5	312.8	240.4	72.43	4.319	
10,350.0	10,309.9	10,314.5	10,302.3	36.9	36.1	-114.90	254.1	39.4	325.2	252.5	72.70	4.473	
10,400.0	10,351.1	10,354.9	10,342.7	37.0	36.2	-117.20	254.8	40.2	341.0	268.1	72.96	4.674	
10,450.0	10,389.7	10,393.0	10,380.8	37.1	36.4	-119.14	255.2	41.1	360.6	287.4	73.19	4.927	
10,500.0	10,425.3	10,428.2	10,416.0	37.2	36.5	-120.57	255.5	41.9	384.0	310.6	73.39	5.232	
10,550.0	10,457.7	10,460.2	10,448.0	37.3	36.6	-121.35	255.7	42.6	411.2	337.6	73.58	5.589	
10,600.0	10,486.7	10,488.8	10,476.5	37.3	36.7	-121.38	255.9	43.3	442.0	368.3	73.73	5.995	
10,650.0	10,512.1	10,515.2	10,502.9	37.4	36.8	-120.67	256.0	43.9	476.2	402.3	73.87	6.447	
10,700.0	10,533.6	10,537.8	10,525.5	37.5	36.9	-118.90	256.2	44.3	513.3	439.3	73.98	6.939	
10,750.0	10,551.0	10,556.1	10,543.9	37.6	37.0	-115.79	256.3	44.5	553.0	478.9	74.06	7.466	
10,800.0	10,564.4	10,570.1	10,557.8	37.8	37.0	-111.01	256.4	44.7	594.8	520.7	74.12	8.025	
10,850.0	10,573.4	10,579.4	10,567.2	37.9	37.0	-104.20	256.4	44.8	638.4	564.2	74.15	8.609	
10,900.0	10,578.2	10,584.2	10,571.9	38.1	37.1	-95.12	256.5	44.8	683.2	609.1	74.16	9.212	
10,929.6	10,579.0	10,584.7	10,572.5	38.2	37.1	-88.71	256.5	44.8	710.2	636.0	74.16	9.577	
11,000.0	10,579.0	10,584.1	10,571.9	38.4	37.1	-88.67	256.5	44.8	774.7	700.6	74.15	10.449	
11,100.0	10,579.0	10,583.3	10,571.0	38.8	37.1	-88.62	256.5	44.8	867.0	792.8	74.13	11.695	
11,200.0	10,579.0	10,582.4	10,570.1	39.2	37.0	-88.60	256.5	44.8	959.5	885.4	74.12	12.946	
11,300.0	10,579.0	10,581.5	10,569.3	39.7	37.0	-88.59	256.5	44.8	1,052.3	978.2	74.11	14.198	
11,400.0	10,579.0	10,580.7	10,568.5	40.3	37.0	-88.60	256.4	44.8	1,145.0	1,070.9	74.11	15.451	
11,500.0	10,579.0	10,579.9	10,567.7	40.9	37.0	-88.61	256.4	44.8	1,237.7	1,163.6	74.11	16.701	
11,600.0	10,579.0	12,580.4	11,643.0	41.5	43.9	-148.84	-943.4	98.6	1,244.0	1,189.5	54.45	22.845	
11,700.0	10,579.0	12,675.6	11,645.1	42.2	44.5	-148.83	-1,038.5	94.2	1,246.1	1,190.8	55.34	22.516	
11,800.0	10,579.0	12,777.7	11,647.6	42.9	45.2	-149.01	-1,140.5	89.5	1,246.6	1,190.4	56.22	22.173	
11,814.4	10,579.0	12,794.5	11,647.9	43.0	45.3	-149.04	-1,157.3	88.8	1,246.5	1,190.2	56.37	22.114	
11,900.0	10,579.0	12,888.8	11,647.3	43.6	46.0	-149.10	-1,251.5	87.7	1,245.3	1,187.9	57.33	21.720	
12,000.0	10,579.0	13,002.4	11,645.4	44.4	47.0	-149.07	-1,365.1	88.0	1,243.6	1,185.0	58.64	21.206	
12,100.0	10,579.0	13,108.7	11,641.3	45.3	47.9	-149.01	-1,471.4	87.8	1,239.9	1,179.9	59.98	20.673	
12,200.0	10,579.0	13,200.7	11,638.7	46.1	48.7	-148.97	-1,563.3	88.0	1,237.1	1,175.9	61.18	20.219	
12,300.0	10,579.0	13,296.0	11,636.4	47.1	49.6	-148.95	-1,658.6	87.8	1,234.6	1,172.2	62.46	19.767	
12,400.0	10,579.0	13,393.5	11,634.0	48.0	50.5	-148.89	-1,756.0	88.6	1,232.5	1,168.7	63.84	19.306	
12,500.0	10,579.0	13,492.3	11,631.2	49.0	51.5	-148.79	-1,854.8	90.0	1,230.5	1,165.2	65.32	18.838	
12,600.0	10,579.0	13,568.6	11,629.5	50.1	52.3	-148.71	-1,931.1	91.6	1,229.4	1,162.8	66.55	18.472	
12,700.0	10,579.0	13,734.0	11,622.8	51.1	54.1	-148.45	-2,096.3	95.1	1,226.7	1,157.6	69.14	17.743	
12,800.0	10,579.0	13,833.5	11,616.6	52.2	55.2	-148.26	-2,195.5	96.6	1,221.7	1,150.9	70.84	17.245	
12,900.0	10,579.0	13,921.8	11,610.9	53.4	56.2	-148.11	-2,283.6	97.4	1,216.4	1,144.0	72.41	16.800	
13,000.0	10,579.0	14,009.3	11,609.3	54.5	57.2	-148.20	-2,371.1	95.0	1,213.1	1,139.3	73.75	16.449	
13,100.0	10,579.0	14,114.2	11,608.5	55.7	58.4	-148.43	-2,475.8	89.5	1,209.3	1,134.1	75.19	16.083	
13,200.0	10,579.0	14,185.4	11,608.0	56.9	59.2	-148.55	-2,547.0	86.7	1,206.4	1,130.1	76.30	15.810	
13,236.5	10,579.0	14,205.8	11,608.1	57.4	59.5	-148.57	-2,567.3	86.4	1,206.1	1,129.5	76.66	15.733	
13,300.0	10,579.0	14,245.0	11,608.7	58.1	60.0	-148.58	-2,606.6	86.6	1,206.9	1,129.5	77.36	15.602	
13,400.0	10,579.0	14,312.5	11,611.1	59.4	60.8	-148.61	-2,674.1	87.9	1,210.4	1,131.9	78.55	15.409	
13,500.0	10,579.0	14,442.9	11,615.9	60.6	62.4	-148.62	-2,804.3	91.6	1,214.9	1,134.2	80.70	15.055	
13,600.0	10,579.0	14,600.7	11,611.9	61.9	64.4	-148.46	-2,962.0	94.1	1,212.3	1,128.9	83.47	14.525	
13,700.0	10,579.0	14,695.0	11,610.1	63.2	65.6	-148.47	-3,056.3	93.5	1,210.1	1,124.9	85.14	14.213	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	10,579.0	14,772.4	11,608.1	64.5	66.6	-148.37	-3,133.6	95.3	1,208.7	1,122.0	86.70	13.941	
13,900.0	10,579.0	13,900.0	11,605.5	65.9	55.1	-148.20	-3,248.3	98.6	1,207.9	1,127.8	80.14	15.073	
14,000.0	10,579.0	14,987.5	11,602.2	67.2	69.5	-148.10	-3,348.5	99.8	1,205.4	1,114.5	90.89	13.262	
14,100.0	10,579.0	15,141.3	11,593.5	68.6	71.6	-147.95	-3,502.0	99.0	1,199.0	1,105.3	93.71	12.795	
14,200.0	10,579.0	15,199.7	11,591.1	70.0	72.4	-147.92	-3,560.3	98.8	1,195.0	1,100.0	95.00	12.578	
14,300.0	10,579.0	15,285.0	11,588.8	71.3	73.5	-147.86	-3,645.6	99.3	1,192.7	1,096.0	96.72	12.331	
14,354.8	10,579.0	15,324.9	11,588.0	72.1	74.1	-147.82	-3,685.6	100.0	1,192.1	1,094.6	97.58	12.217	
14,400.0	10,579.0	15,351.9	11,587.8	72.7	74.5	-147.78	-3,712.5	101.0	1,192.5	1,094.3	98.18	12.145	
14,500.0	10,579.0	15,487.7	11,586.6	74.1	76.4	-147.60	-3,848.2	105.7	1,193.5	1,092.6	100.92	11.826	
14,600.0	10,579.0	15,599.8	11,585.2	75.6	77.9	-147.62	-3,960.3	105.2	1,191.9	1,088.9	103.01	11.571	
14,700.0	10,579.0	15,712.3	11,583.7	77.0	79.5	-147.79	-4,072.7	100.9	1,188.3	1,083.4	104.89	11.329	
14,800.0	10,579.0	15,797.8	11,583.8	78.4	80.7	-147.99	-4,158.1	96.5	1,185.3	1,079.0	106.30	11.151	
14,900.0	10,579.0	15,875.6	11,583.0	79.9	81.8	-148.01	-4,235.8	96.1	1,183.8	1,075.9	107.85	10.976	
14,914.9	10,579.0	15,885.5	11,582.9	80.1	82.0	-148.00	-4,245.7	96.3	1,183.7	1,075.7	108.07	10.953	
15,000.0	10,579.0	15,944.0	11,582.6	81.3	82.8	-147.92	-4,304.2	98.5	1,184.8	1,075.4	109.40	10.830	
15,100.0	10,579.0	16,100.0	11,576.1	82.8	85.1	-147.55	-4,459.9	104.6	1,182.0	1,069.2	112.88	10.472	
15,200.0	10,579.0	16,201.6	11,571.6	84.2	86.6	-147.30	-4,561.4	108.5	1,180.0	1,064.7	115.27	10.237	
15,300.0	10,579.0	16,300.5	11,567.3	85.7	88.0	-147.12	-4,660.1	110.9	1,177.2	1,059.7	117.54	10.016	
15,400.0	10,579.0	16,407.8	11,565.0	87.2	89.6	-147.13	-4,767.4	109.8	1,174.6	1,054.9	119.64	9.818	
15,500.0	10,579.0	16,501.8	11,562.6	88.7	91.0	-147.12	-4,861.4	109.1	1,171.7	1,050.1	121.58	9.637	
15,600.0	10,579.0	16,644.3	11,554.3	90.2	93.1	-147.01	-5,003.6	107.5	1,165.1	1,040.7	124.41	9.365	
15,700.0	10,579.0	16,699.0	11,552.0	91.7	93.9	-147.00	-5,058.2	106.6	1,160.6	1,034.8	125.79	9.227	
15,800.0	10,579.0	16,772.5	11,551.6	93.2	95.0	-147.05	-5,131.7	105.6	1,159.1	1,031.8	127.29	9.106	
15,802.9	10,579.0	16,774.5	11,551.6	93.2	95.0	-147.05	-5,133.7	105.6	1,159.1	1,031.7	127.33	9.103	
15,900.0	10,579.0	16,862.1	11,553.4	94.7	96.3	-147.16	-5,221.3	104.6	1,159.7	1,030.8	128.95	8.993	
16,000.0	10,579.0	16,965.6	11,555.6	96.2	97.8	-147.31	-5,324.8	103.2	1,160.4	1,029.6	130.79	8.872	
16,100.0	10,579.0	17,034.6	11,557.7	97.7	98.9	-147.42	-5,393.7	102.3	1,162.1	1,030.0	132.05	8.800	
16,200.0	10,579.0	17,162.9	11,561.6	99.2	100.8	-147.44	-5,521.9	105.3	1,165.9	1,031.3	134.62	8.660	
16,300.0	10,579.0	17,293.0	11,556.0	100.7	102.8	-147.12	-5,651.8	110.3	1,163.6	1,025.8	137.79	8.445	
16,344.7	10,579.0	17,316.8	11,555.1	101.4	103.2	-147.05	-5,675.5	111.5	1,163.2	1,024.7	138.49	8.400	
16,400.0	10,579.0	17,359.0	11,554.6	102.3	103.8	-146.96	-5,717.6	113.8	1,164.0	1,024.4	139.57	8.339	
16,500.0	10,579.0	17,436.6	11,555.0	103.8	105.0	-146.81	-5,795.1	118.2	1,166.9	1,025.4	141.50	8.247	
16,600.0	10,579.0	17,569.9	11,549.7	105.3	107.0	-146.27	-5,927.8	128.8	1,167.2	1,022.0	145.28	8.034	
16,700.0	10,579.0	17,620.1	11,548.3	106.9	107.8	-146.06	-5,977.7	133.4	1,169.6	1,022.8	146.80	7.967	
16,800.0	10,579.0	17,758.1	11,548.8	108.4	110.0	-145.80	-6,115.5	141.1	1,172.7	1,022.5	150.22	7.806	
16,900.0	10,579.0	17,812.8	11,549.1	110.0	110.8	-145.70	-6,170.2	144.1	1,175.9	1,024.3	151.61	7.756	
17,000.0	10,579.0	18,057.5	11,546.8	111.5	114.6	-145.59	-6,414.5	147.0	1,176.1	1,019.7	156.41	7.520	
17,100.0	10,579.0	18,180.4	11,539.8	113.1	116.4	-145.71	-6,537.0	140.1	1,167.8	1,009.3	158.52	7.367	
17,200.0	10,579.0	18,277.3	11,533.7	114.6	117.9	-145.82	-6,633.6	133.9	1,158.6	998.2	160.39	7.224	
17,300.0	10,579.0	18,385.4	11,527.9	116.2	119.6	-146.02	-6,741.2	125.7	1,149.6	987.4	162.14	7.090	
17,400.0	10,579.0	18,460.8	11,524.4	117.7	120.7	-146.21	-6,816.2	119.6	1,140.9	977.2	163.65	6.971	
17,500.0	10,579.0	18,518.2	11,523.4	119.3	121.6	-146.38	-6,873.5	115.1	1,135.0	970.1	164.87	6.884	
17,580.2	10,579.0	18,555.8	11,523.9	120.6	122.2	-146.48	-6,911.0	113.4	1,133.5	967.8	165.66	6.842	
17,600.0	10,579.0	18,565.1	11,524.2	120.9	122.3	-146.50	-6,920.3	113.2	1,133.5	967.7	165.83	6.836	
17,700.0	10,579.0	18,630.0	11,527.2	122.4	123.3	-146.62	-6,985.1	112.6	1,136.4	969.5	166.92	6.808	
17,800.0	10,579.0	18,743.7	11,533.8	124.0	125.1	-146.86	-7,098.6	112.2	1,140.8	971.9	168.84	6.757	
17,900.0	10,579.0	18,850.9	11,535.9	125.6	126.8	-146.89	-7,205.7	113.6	1,142.7	971.7	171.06	6.680	
18,000.0	10,579.0	18,962.0	11,538.0	127.2	128.5	-146.92	-7,316.9	115.0	1,144.6	971.3	173.35	6.603	
18,100.0	10,579.0	19,081.7	11,537.1	128.7	130.4	-146.89	-7,436.5	115.9	1,143.9	968.0	175.93	6.502	
18,112.4	10,579.0	19,088.3	11,537.1	128.9	130.5	-146.89	-7,443.1	116.0	1,143.9	967.8	176.09	6.496	
18,200.0	10,579.0	19,135.0	11,537.6	130.3	131.2	-146.87	-7,489.8	117.1	1,145.4	968.3	177.16	6.466	
18,300.0	10,579.0	19,363.4	11,536.1	131.9	134.8	-146.92	-7,718.0	116.5	1,145.6	964.3	181.24	6.321	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,400.0	10,579.0	19,445.4	11,531.9	133.5	136.1	-146.93	-7,799.9	114.1	1,139.3	956.1	183.18	6.219	
18,500.0	10,579.0	19,506.0	11,530.0	135.1	137.0	-146.95	-7,860.5	112.9	1,135.0	950.3	184.75	6.144	
18,598.5	10,579.0	19,574.9	11,530.0	136.6	138.1	-147.01	-7,929.3	111.9	1,133.9	947.7	186.19	6.090	
18,600.0	10,579.0	19,576.0	11,530.1	136.6	138.1	-147.01	-7,930.5	111.9	1,133.9	947.7	186.21	6.089	
18,700.0	10,579.0	19,652.9	11,531.5	138.2	139.4	-147.08	-8,007.3	111.7	1,134.9	947.2	187.71	6.046	
18,800.0	10,579.0	19,734.5	11,533.8	139.8	140.6	-147.10	-8,088.9	113.3	1,138.0	948.6	189.39	6.009	
18,900.0	10,579.0	19,925.3	11,531.9	141.4	143.7	-146.83	-8,279.5	119.8	1,139.4	945.5	193.92	5.876	
19,000.0	10,579.0	20,024.1	11,525.4	143.0	145.3	-146.53	-8,378.0	123.3	1,135.6	938.7	196.83	5.769	
19,100.0	10,579.0	20,118.7	11,520.7	144.6	146.8	-146.40	-8,472.5	124.0	1,131.4	932.1	199.28	5.677	
19,200.0	10,579.0	20,189.7	11,519.6	146.2	147.9	-146.43	-8,543.5	123.0	1,129.0	928.1	200.91	5.619	
19,279.1	10,579.0	20,256.2	11,520.1	147.4	148.9	-146.50	-8,609.9	122.1	1,128.6	926.4	202.20	5.581	
19,300.0	10,579.0	20,274.1	11,520.3	147.8	149.2	-146.51	-8,627.8	122.0	1,128.6	926.1	202.56	5.572	
19,400.0	10,579.0	20,340.6	11,521.3	149.4	150.3	-146.54	-8,694.4	122.7	1,130.2	926.3	203.95	5.542	
19,500.0	10,579.0	20,417.2	11,524.0	151.0	151.5	-146.49	-8,770.8	126.0	1,134.9	929.3	205.65	5.519	
19,600.0	10,579.0	20,597.9	11,524.6	152.6	154.4	-146.31	-8,951.3	131.9	1,136.7	926.6	210.07	5.411	
19,646.0	10,579.0	20,623.3	11,524.2	153.3	154.8	-146.29	-8,976.7	132.3	1,136.2	925.5	210.76	5.391	
19,700.0	10,579.0	20,653.1	11,524.5	154.2	155.3	-146.29	-9,006.5	132.7	1,136.8	925.4	211.44	5.377	
19,800.0	10,579.0	20,733.0	11,527.5	155.8	156.5	-146.36	-9,086.3	133.7	1,140.2	927.2	212.97	5.354	
19,900.0	10,579.0	20,855.6	11,532.2	157.4	158.5	-146.48	-9,208.9	134.8	1,143.6	928.2	215.34	5.310	
20,000.0	10,579.0	20,962.5	11,535.0	159.0	160.2	-146.60	-9,315.7	134.5	1,145.2	927.9	217.32	5.270	
20,098.5	10,579.0	21,076.0	11,536.2	160.6	162.0	-146.72	-9,429.2	133.3	1,145.1	925.6	219.42	5.219	
20,100.0	10,579.0	21,077.0	11,536.2	160.6	162.0	-146.72	-9,430.2	133.2	1,145.1	925.6	219.44	5.218	
20,200.0	10,579.0	21,145.0	11,537.3	162.2	163.1	-146.74	-9,498.2	133.9	1,146.5	925.7	220.86	5.191	
20,300.0	10,579.0	21,232.4	11,539.5	163.8	164.5	-146.72	-9,585.5	136.5	1,149.9	927.1	222.81	5.161	
20,400.0	10,579.0	21,338.9	11,542.0	165.4	166.2	-146.63	-9,691.9	140.8	1,153.7	928.3	225.40	5.118	
20,500.0	10,579.0	21,453.8	11,542.8	167.0	168.1	-146.48	-9,806.7	145.8	1,156.2	927.9	228.39	5.063	
20,600.0	10,579.0	21,546.5	11,542.9	168.6	169.6	-146.35	-9,899.3	149.8	1,158.3	927.5	230.83	5.018	
20,700.0	10,579.0	21,717.1	11,543.4	170.2	172.3	-146.13	-10,069.7	156.6	1,162.2	927.2	234.99	4.946	
20,800.0	10,579.0	21,814.6	11,537.6	171.8	173.9	-145.85	-10,166.9	160.2	1,158.9	920.9	238.04	4.869	
20,900.0	10,579.0	21,892.3	11,534.7	173.4	175.1	-145.71	-10,244.5	162.2	1,156.8	916.5	240.36	4.813	
21,000.0	10,579.0	21,985.4	11,533.6	175.1	176.6	-145.67	-10,337.6	163.0	1,156.0	913.4	242.57	4.766	
21,100.0	10,579.0	22,103.9	11,531.3	176.7	178.5	-145.58	-10,456.1	164.6	1,154.7	909.3	245.40	4.706	
21,200.0	10,579.0	22,184.6	11,531.0	178.3	179.8	-145.62	-10,536.8	163.9	1,153.5	906.3	247.16	4.667	
21,300.0	10,579.0	22,281.9	11,532.1	179.9	181.4	-145.75	-10,634.1	162.2	1,153.1	904.2	248.91	4.633	
21,316.8	10,579.0	22,293.8	11,532.2	180.2	181.6	-145.76	-10,645.9	162.1	1,153.1	903.9	249.15	4.628	
21,400.0	10,579.0	22,349.0	11,533.4	181.5	182.5	-145.81	-10,701.2	162.1	1,154.2	904.0	250.24	4.612	
21,500.0	10,579.0	22,435.1	11,536.9	183.1	183.9	-145.89	-10,787.2	163.0	1,157.7	905.9	251.82	4.597	
21,600.0	10,579.0	22,538.3	11,541.9	184.7	185.5	-146.06	-10,890.2	163.0	1,161.3	907.8	253.55	4.580	
21,700.0	10,579.0	22,622.8	11,546.5	186.4	186.9	-146.23	-10,974.6	162.6	1,165.2	910.5	254.78	4.573	
21,800.0	10,579.0	22,730.1	11,553.9	188.0	188.6	-146.47	-11,081.6	162.2	1,170.4	914.1	256.34	4.566	
21,900.0	10,579.0	22,876.9	11,558.6	189.6	191.0	-146.69	-11,228.4	161.0	1,172.2	913.4	258.86	4.528	
22,000.0	10,579.0	22,969.9	11,558.4	191.2	192.5	-146.65	-11,321.4	162.5	1,172.5	911.5	261.06	4.491	
22,100.0	10,579.0	23,058.3	11,559.6	192.8	193.9	-146.64	-11,409.8	164.1	1,174.2	911.1	263.04	4.464	
22,200.0	10,579.0	22,200.0	11,556.0	194.5	180.5	-147.30	-11,659.9	147.7	1,168.3	915.9	252.38	4.629	
22,300.0	10,579.0	23,385.5	11,550.5	196.1	199.1	-147.46	-11,735.4	140.8	1,157.2	891.2	265.95	4.351	
22,400.0	10,579.0	23,456.3	11,547.9	197.7	200.2	-147.61	-11,806.0	136.1	1,149.9	882.4	267.49	4.299	
22,500.0	10,579.0	23,551.7	11,545.4	199.3	201.7	-147.88	-11,901.1	128.8	1,143.3	874.7	268.64	4.256	
22,600.0	10,579.0	23,666.2	11,541.5	200.9	203.6	-148.05	-12,015.4	123.0	1,137.5	867.3	270.23	4.209	
22,700.0	10,579.0	23,790.5	11,532.6	202.6	205.6	-148.11	-12,139.2	117.1	1,128.4	856.2	272.20	4.145	
22,800.0	10,579.0	23,899.6	11,523.1	204.2	207.3	-148.10	-12,247.8	111.9	1,118.1	843.8	274.33	4.076	
22,900.0	10,579.0	23,935.0	11,520.1	205.8	207.9	-148.10	-12,283.0	110.3	1,109.7	833.4	276.27	4.017	
22,952.1	10,579.0	23,935.0	11,520.1	206.7	207.9	-148.10	-12,283.0	110.3	1,108.4	831.8	276.63	4.007	SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #216H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 166-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
23,000.0	10,579.0	23,935.0	11,520.1	207.4	207.9	-148.10	-12,283.0	110.3	1,109.5	833.0	276.48	4.013	
23,081.2	10,579.0	23,935.0	11,520.1	208.8	207.9	-148.10	-12,283.0	110.3	1,115.9	840.7	275.20	4.055	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #222H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	179.59	-30.0	0.2	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	179.59	-30.0	0.2	30.0	29.8	0.26	117.239	
200.0	200.0	200.0	200.0	0.5	0.5	179.59	-30.0	0.2	30.0	29.1	0.97	30.875	
300.0	300.0	300.0	300.0	0.8	0.8	179.59	-30.0	0.2	30.0	28.4	1.69	17.779	
400.0	400.0	400.0	400.0	1.2	1.2	179.59	-30.0	0.2	30.0	27.6	2.41	12.483	
500.0	500.0	500.0	500.0	1.6	1.6	179.59	-30.0	0.2	30.0	26.9	3.12	9.619	
600.0	600.0	600.0	600.0	1.9	1.9	179.59	-30.0	0.2	30.0	26.2	3.84	7.823	
700.0	700.0	700.0	700.0	2.3	2.3	179.59	-30.0	0.2	30.0	25.5	4.56	6.593	
800.0	800.0	800.0	800.0	2.6	2.6	179.59	-30.0	0.2	30.0	24.8	5.27	5.697	
900.0	900.0	900.0	900.0	3.0	3.0	179.59	-30.0	0.2	30.0	24.1	5.99	5.015	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	179.59	-30.0	0.2	30.0	23.3	6.71	4.479	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	179.59	-30.0	0.2	30.0	22.6	7.43	4.047	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	179.59	-30.0	0.2	30.0	21.9	8.14	3.690	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	179.59	-30.0	0.2	30.0	21.2	8.86	3.392	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	179.59	-30.0	0.2	30.0	20.5	9.58	3.138	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	179.59	-30.0	0.2	30.0	19.8	10.29	2.919 CC	
1,600.0	1,600.0	1,600.2	1,600.2	5.5	5.5	-136.84	-29.7	-0.6	30.3	19.3	11.00	2.757 ES	
1,700.0	1,700.0	1,700.4	1,700.4	5.9	5.9	-135.70	-28.6	-3.0	31.2	19.5	11.71	2.665	
1,800.0	1,799.9	1,800.6	1,800.5	6.2	6.2	-133.95	-26.9	-7.0	32.7	20.2	12.41	2.631 SF	
1,900.0	1,899.7	1,900.8	1,900.4	6.6	6.6	-131.74	-24.4	-12.6	34.8	21.6	13.13	2.648	
2,000.0	1,999.4	2,000.9	2,000.3	6.9	6.9	-129.27	-21.3	-19.8	37.5	23.7	13.84	2.711	
2,100.0	2,098.9	2,101.0	2,099.9	7.3	7.3	-126.71	-17.4	-28.6	41.0	26.4	14.56	2.813	
2,200.0	2,198.3	2,201.1	2,199.3	7.7	7.6	-124.19	-12.9	-39.0	45.1	29.8	15.30	2.950	
2,300.0	2,297.4	2,301.1	2,298.5	8.0	8.0	-121.81	-7.7	-51.0	50.0	34.0	16.04	3.118	
2,400.0	2,396.4	2,400.9	2,397.3	8.4	8.4	-119.80	-2.1	-63.7	55.3	38.5	16.79	3.293	
2,500.0	2,495.5	2,500.8	2,496.2	8.8	8.8	-118.14	3.5	-76.5	60.6	43.1	17.55	3.455	
2,600.0	2,594.5	2,600.6	2,595.1	9.2	9.2	-116.75	9.0	-89.2	66.0	47.7	18.32	3.604	
2,700.0	2,693.5	2,700.4	2,694.0	9.6	9.5	-115.56	14.6	-101.9	71.4	52.3	19.09	3.742	
2,800.0	2,792.5	2,800.3	2,792.8	10.0	9.9	-114.55	20.2	-114.7	76.9	57.0	19.87	3.869	
2,900.0	2,891.6	2,900.1	2,891.7	10.3	10.3	-113.67	25.7	-127.4	82.3	61.7	20.65	3.988	
3,000.0	2,990.6	3,000.0	2,990.6	10.7	10.7	-112.90	31.3	-140.1	87.8	66.4	21.43	4.097	
3,100.0	3,089.6	3,099.8	3,089.4	11.1	11.1	-112.22	36.9	-152.9	93.3	71.1	22.22	4.199	
3,200.0	3,188.6	3,199.7	3,188.3	11.5	11.5	-111.62	42.4	-165.6	98.8	75.8	23.02	4.293	
3,300.0	3,287.7	3,300.5	3,287.2	11.9	11.9	-111.08	48.0	-178.3	104.3	80.5	23.82	4.381	
3,400.0	3,386.7	3,400.6	3,386.1	12.3	12.3	-110.59	53.6	-191.1	109.9	85.2	24.61	4.463	
3,500.0	3,485.7	3,500.8	3,484.9	12.7	12.7	-110.15	59.1	-203.8	115.4	90.0	25.42	4.540	
3,600.0	3,584.8	3,601.0	3,583.8	13.1	13.1	-109.75	64.7	-216.5	120.9	94.7	26.22	4.612	
3,700.0	3,683.8	3,701.1	3,682.7	13.5	13.5	-109.39	70.3	-229.3	126.5	99.4	27.03	4.679	
3,800.0	3,782.8	3,801.3	3,781.5	13.9	13.9	-109.05	75.8	-242.0	132.0	104.2	27.83	4.743	
3,900.0	3,881.8	3,901.4	3,880.4	14.3	14.3	-108.75	81.4	-254.7	137.6	108.9	28.64	4.802	
4,000.0	3,980.9	4,001.6	3,979.3	14.8	14.8	-108.46	87.0	-267.5	143.1	113.7	29.45	4.859	
4,100.0	4,079.9	4,101.7	4,078.2	15.2	15.2	-108.20	92.5	-280.2	148.7	118.4	30.27	4.912	
4,200.0	4,178.9	4,201.9	4,177.0	15.6	15.6	-107.96	98.1	-292.9	154.2	123.1	31.08	4.962	
4,283.5	4,261.6	4,281.5	4,259.6	15.9	15.9	-107.77	102.7	-303.6	158.9	127.1	31.74	5.005	
4,300.0	4,277.9	4,302.1	4,275.9	16.0	16.0	-107.73	103.7	-305.7	159.8	127.9	31.89	5.010	
4,400.0	4,377.2	4,402.2	4,374.8	16.4	16.4	-107.02	109.2	-318.4	164.8	132.1	32.70	5.040	
4,500.0	4,476.7	4,502.4	4,473.6	16.8	16.8	-105.49	114.8	-331.1	169.2	135.7	33.50	5.051	
4,600.0	4,576.5	4,602.7	4,572.3	17.1	17.2	-103.20	120.3	-343.8	173.1	138.8	34.28	5.049	
4,700.0	4,676.4	4,696.7	4,670.8	17.5	17.6	-100.19	125.9	-356.5	176.7	141.7	35.00	5.049	
4,800.0	4,776.4	4,804.0	4,769.1	17.8	18.1	-96.51	131.4	-369.2	180.6	144.8	35.75	5.051	
4,816.9	4,793.2	4,812.7	4,785.6	17.9	18.1	-139.01	132.3	-371.3	181.3	145.5	35.84	5.059	
4,900.0	4,876.4	4,905.0	4,867.2	18.2	18.5	-135.62	136.9	-381.8	185.1	148.7	36.45	5.079	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #222H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,976.4	5,006.0	4,965.2	18.5	18.9	-131.74	142.5	-394.4	190.5	153.4	37.13	5.132	
5,100.0	5,076.4	5,106.9	5,063.3	18.9	19.3	-128.08	148.0	-407.1	196.8	159.0	37.79	5.207	
5,200.0	5,176.4	5,207.9	5,161.3	19.2	19.7	-124.66	153.5	-419.7	203.8	165.3	38.45	5.300	
5,300.0	5,276.4	5,308.9	5,259.4	19.5	20.1	-121.47	159.0	-432.3	211.5	172.4	39.11	5.408	
5,400.0	5,376.4	5,409.9	5,357.5	19.9	20.6	-118.51	164.5	-444.9	219.8	180.1	39.76	5.529	
5,500.0	5,476.4	5,489.2	5,455.5	20.2	20.9	-115.77	170.1	-457.6	228.7	188.4	40.33	5.671	
5,600.0	5,576.4	5,588.2	5,553.6	20.6	21.3	-113.24	175.6	-470.2	238.0	197.0	40.97	5.809	
5,700.0	5,676.4	5,687.2	5,651.7	20.9	21.7	-110.90	181.1	-482.8	247.8	206.2	41.62	5.954	
5,800.0	5,776.4	5,786.2	5,749.7	21.2	22.1	-108.75	186.6	-495.5	257.9	215.7	42.27	6.102	
5,900.0	5,876.4	5,885.3	5,847.8	21.6	22.5	-106.75	192.1	-508.1	268.4	225.5	42.93	6.253	
6,000.0	5,976.4	5,984.3	5,945.8	21.9	22.9	-104.91	197.6	-520.7	279.2	235.6	43.59	6.407	
6,100.0	6,076.4	6,083.3	6,043.9	22.3	23.4	-103.21	203.2	-533.3	290.3	246.0	44.25	6.561	
6,200.0	6,176.4	6,182.4	6,142.0	22.6	23.8	-101.63	208.7	-546.0	301.6	256.7	44.91	6.715	
6,300.0	6,276.4	6,281.4	6,240.0	23.0	24.2	-100.16	214.2	-558.6	313.1	267.5	45.58	6.869	
6,400.0	6,376.4	6,380.4	6,338.1	23.3	24.6	-98.80	219.7	-571.2	324.8	278.5	46.26	7.022	
6,500.0	6,476.4	6,479.4	6,436.2	23.7	25.0	-97.53	225.2	-583.9	336.6	289.7	46.93	7.173	
6,600.0	6,576.4	6,578.5	6,534.2	24.0	25.4	-96.35	230.8	-596.5	348.7	301.1	47.61	7.323	
6,700.0	6,676.4	6,677.5	6,632.3	24.3	25.8	-95.25	236.3	-609.1	360.8	312.5	48.29	7.472	
6,800.0	6,776.4	6,776.5	6,730.4	24.7	26.2	-94.22	241.8	-621.7	373.1	324.1	48.98	7.618	
6,900.0	6,876.4	6,875.5	6,828.4	25.0	26.7	-93.26	247.3	-634.4	385.5	335.8	49.66	7.762	
7,000.0	6,976.4	6,975.8	6,927.7	25.4	27.1	-92.34	252.9	-647.1	397.9	347.6	50.37	7.901	
7,100.0	7,076.4	7,085.6	7,036.7	25.7	27.5	-91.52	258.2	-659.3	408.9	357.8	51.16	7.993	
7,200.0	7,176.4	7,196.0	7,146.6	26.1	27.9	-90.92	262.3	-668.7	417.3	365.4	51.92	8.038	
7,300.0	7,276.4	7,306.9	7,257.3	26.4	28.3	-90.53	265.2	-675.2	423.2	370.5	52.65	8.037	
7,400.0	7,376.4	7,418.2	7,368.5	26.8	28.7	-90.31	266.7	-678.8	426.4	373.0	53.35	7.992	
7,500.0	7,476.4	7,526.1	7,476.4	27.1	29.1	-90.27	267.1	-679.5	427.0	373.0	54.02	7.904	
7,600.0	7,576.4	7,626.1	7,576.4	27.5	29.4	-90.27	267.1	-679.5	427.0	372.3	54.71	7.804	
7,700.0	7,676.4	7,726.1	7,676.4	27.8	29.7	-90.27	267.1	-679.5	427.0	371.6	55.41	7.707	
7,800.0	7,776.4	7,826.1	7,776.4	28.2	30.1	-90.27	267.1	-679.5	427.0	370.9	56.10	7.612	
7,900.0	7,876.4	7,926.1	7,876.4	28.5	30.4	-90.27	267.1	-679.5	427.0	370.2	56.79	7.519	
8,000.0	7,976.4	8,026.1	7,976.4	28.9	30.7	-90.27	267.1	-679.5	427.0	369.5	57.49	7.428	
8,100.0	8,076.4	8,126.1	8,076.4	29.2	31.0	-90.27	267.1	-679.5	427.0	368.8	58.18	7.339	
8,200.0	8,176.4	8,226.1	8,176.4	29.6	31.4	-90.27	267.1	-679.5	427.0	368.1	58.87	7.253	
8,300.0	8,276.4	8,326.1	8,276.4	29.9	31.7	-90.27	267.1	-679.5	427.0	367.4	59.57	7.168	
8,400.0	8,376.4	8,426.1	8,376.4	30.3	32.0	-90.27	267.1	-679.5	427.0	366.7	60.27	7.085	
8,500.0	8,476.4	8,526.1	8,476.4	30.6	32.3	-90.27	267.1	-679.5	427.0	366.0	60.96	7.004	
8,600.0	8,576.4	8,626.1	8,576.4	31.0	32.7	-90.27	267.1	-679.5	427.0	365.3	61.66	6.925	
8,700.0	8,676.4	8,726.1	8,676.4	31.3	33.0	-90.27	267.1	-679.5	427.0	364.6	62.36	6.848	
8,800.0	8,776.4	8,826.1	8,776.4	31.7	33.3	-90.27	267.1	-679.5	427.0	363.9	63.05	6.772	
8,900.0	8,876.4	8,926.1	8,876.4	32.0	33.7	-90.27	267.1	-679.5	427.0	363.2	63.75	6.698	
9,000.0	8,976.4	9,026.1	8,976.4	32.4	34.0	-90.27	267.1	-679.5	427.0	362.5	64.45	6.625	
9,100.0	9,076.4	9,126.1	9,076.4	32.7	34.3	-90.27	267.1	-679.5	427.0	361.8	65.15	6.554	
9,200.0	9,176.4	9,226.1	9,176.4	33.1	34.7	-90.27	267.1	-679.5	427.0	361.1	65.85	6.484	
9,300.0	9,276.4	9,326.1	9,276.4	33.4	35.0	-90.27	267.1	-679.5	427.0	360.4	66.55	6.416	
9,400.0	9,376.4	9,426.1	9,376.4	33.8	35.3	-90.27	267.1	-679.5	427.0	359.7	67.25	6.349	
9,500.0	9,476.4	9,526.1	9,476.4	34.2	35.7	-90.27	267.1	-679.5	427.0	359.0	67.95	6.284	
9,600.0	9,576.4	9,626.1	9,576.4	34.5	36.0	-90.27	267.1	-679.5	427.0	358.3	68.65	6.220	
9,700.0	9,676.4	9,726.1	9,676.4	34.9	36.3	-90.27	267.1	-679.5	427.0	357.6	69.35	6.157	
9,800.0	9,776.4	9,826.1	9,776.4	35.2	36.7	-90.27	267.1	-679.5	427.0	356.9	70.05	6.095	
9,900.0	9,876.4	9,926.1	9,876.4	35.6	37.0	-90.27	267.1	-679.5	427.0	356.2	70.76	6.035	
10,000.0	9,976.4	10,026.1	9,976.4	35.9	37.3	-90.27	267.1	-679.5	427.0	355.5	71.46	5.976	
10,029.6	10,006.0	10,055.7	10,006.0	36.0	37.4	-90.27	267.1	-679.5	427.0	355.3	71.67	5.958	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #222H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,050.0	10,026.4	10,076.1	10,026.4	36.1	37.5	72.49	267.1	-679.5	426.9	355.1	71.80	5.945	
10,100.0	10,076.2	10,125.9	10,076.2	36.2	37.7	73.10	267.1	-679.5	425.7	353.6	72.12	5.903	
10,150.0	10,125.5	10,175.2	10,125.5	36.4	37.8	74.39	267.1	-679.5	423.4	351.0	72.41	5.847	
10,200.0	10,173.9	10,223.6	10,173.9	36.5	38.0	76.30	267.1	-679.5	420.1	347.4	72.67	5.781	
10,250.0	10,221.0	10,270.7	10,221.0	36.7	38.2	78.79	267.1	-679.5	416.3	343.4	72.92	5.709	
10,300.0	10,266.4	10,316.1	10,266.4	36.8	38.3	81.75	267.1	-679.5	412.4	339.3	73.14	5.639	
10,350.0	10,309.9	10,359.6	10,309.9	36.9	38.5	85.04	267.1	-679.5	409.2	335.8	73.36	5.578	
10,400.0	10,351.1	10,400.8	10,351.1	37.0	38.6	88.51	267.1	-679.5	407.3	333.7	73.58	5.536	
10,421.6	10,368.1	10,417.8	10,368.1	37.1	38.7	90.00	267.1	-679.5	407.1	333.4	73.68	5.525	
10,450.0	10,389.7	10,439.4	10,389.7	37.1	38.7	91.93	267.1	-679.5	407.5	333.7	73.81	5.521	
10,500.0	10,425.3	10,475.0	10,425.3	37.2	38.9	95.13	267.1	-679.5	410.6	336.5	74.07	5.544	
10,550.0	10,457.7	10,507.4	10,457.7	37.3	39.0	97.88	267.1	-679.5	417.3	342.9	74.35	5.612	
10,600.0	10,486.7	10,536.4	10,486.7	37.3	39.1	100.03	267.1	-679.5	428.0	353.4	74.66	5.733	
10,650.0	10,512.1	10,561.8	10,512.1	37.4	39.1	101.42	267.1	-679.5	443.3	368.3	75.00	5.910	
10,700.0	10,533.6	10,583.3	10,533.6	37.5	39.2	101.93	267.1	-679.5	463.0	387.6	75.34	6.145	
10,750.0	10,551.0	10,600.7	10,551.0	37.6	39.3	101.45	267.1	-679.5	487.0	411.4	75.67	6.436	
10,800.0	10,564.4	10,614.1	10,564.4	37.8	39.3	99.86	267.1	-679.5	515.0	439.1	75.97	6.780	
10,850.0	10,573.4	10,623.1	10,573.4	37.9	39.4	97.07	267.1	-679.5	546.5	470.3	76.24	7.169	
10,900.0	10,578.2	10,627.9	10,578.2	38.1	39.4	93.01	267.1	-679.5	580.9	504.5	76.46	7.598	
10,929.6	10,579.0	10,628.7	10,579.0	38.2	39.4	90.00	267.1	-679.5	602.4	525.8	76.57	7.867	
11,000.0	10,579.0	10,628.7	10,579.0	38.4	39.4	90.00	267.1	-679.5	656.5	579.7	76.80	8.549	
11,100.0	10,579.0	10,628.7	10,579.0	38.8	39.4	90.00	267.1	-679.5	739.8	662.7	77.05	9.601	
11,200.0	10,579.0	10,628.7	10,579.0	39.2	39.4	90.00	267.1	-679.5	828.3	751.1	77.24	10.724	
11,300.0	10,579.0	10,628.7	10,579.0	39.7	39.4	90.00	267.1	-679.5	920.5	843.2	77.37	11.897	
11,400.0	10,579.0	10,628.7	10,579.0	40.3	39.4	90.00	267.1	-679.5	1,015.3	937.9	77.47	13.106	
11,500.0	10,579.0	10,628.7	10,579.0	40.9	39.4	90.00	267.1	-679.5	1,112.0	1,034.4	77.54	14.340	
11,600.0	10,579.0	10,628.7	10,579.0	41.5	39.4	90.00	267.1	-679.5	1,209.9	1,132.3	77.60	15.591	
11,700.0	10,579.0	10,628.7	10,579.0	42.2	39.4	90.00	267.1	-679.5	1,308.7	1,231.0	77.64	16.855	
11,800.0	10,579.0	10,628.7	10,579.0	42.9	39.4	90.00	267.1	-679.5	1,408.0	1,330.4	77.67	18.128	
11,814.4	10,579.0	10,628.7	10,579.0	43.0	39.4	90.00	267.1	-679.5	1,422.4	1,344.8	77.68	18.312	
11,900.0	10,579.0	10,628.7	10,579.0	43.6	39.4	90.00	267.1	-679.5	1,507.7	1,430.0	77.70	19.404	
12,000.0	10,579.0	13,566.7	12,152.0	44.4	48.9	179.96	-1,335.3	-552.1	1,573.0	1,531.0	41.97	37.479	
12,100.0	10,579.0	13,666.7	12,152.0	45.3	49.7	179.96	-1,435.3	-551.4	1,573.0	1,530.1	42.92	36.648	
12,200.0	10,579.0	13,766.7	12,152.0	46.1	50.5	179.96	-1,535.2	-550.7	1,573.0	1,529.1	43.91	35.823	
12,300.0	10,579.0	13,866.7	12,152.0	47.1	51.4	179.96	-1,635.2	-550.0	1,573.0	1,528.1	44.93	35.010	
12,400.0	10,579.0	13,966.7	12,152.0	48.0	52.3	179.96	-1,735.2	-549.3	1,573.0	1,527.0	45.98	34.209	
12,500.0	10,579.0	14,066.7	12,152.0	49.0	53.3	179.97	-1,835.2	-548.6	1,573.0	1,525.9	47.06	33.424	
12,600.0	10,579.0	14,166.7	12,152.0	50.1	54.2	179.97	-1,935.2	-547.9	1,573.0	1,524.8	48.17	32.657	
12,700.0	10,579.0	14,266.7	12,152.0	51.1	55.2	179.97	-2,035.2	-547.2	1,573.0	1,523.7	49.30	31.907	
12,800.0	10,579.0	14,366.7	12,152.0	52.2	56.3	179.97	-2,135.2	-546.5	1,573.0	1,522.5	50.45	31.177	
12,900.0	10,579.0	14,466.7	12,152.0	53.4	57.4	179.97	-2,235.2	-545.8	1,573.0	1,521.4	51.63	30.467	
13,000.0	10,579.0	14,566.7	12,152.0	54.5	58.4	179.97	-2,335.2	-545.1	1,573.0	1,520.2	52.83	29.777	
13,100.0	10,579.0	14,666.7	12,152.0	55.7	59.6	179.97	-2,435.2	-544.4	1,573.0	1,519.0	54.04	29.107	
13,200.0	10,579.0	14,766.7	12,152.0	56.9	60.7	179.97	-2,535.2	-543.7	1,573.0	1,517.7	55.28	28.458	
13,300.0	10,579.0	14,866.7	12,152.0	58.1	61.9	179.97	-2,635.2	-543.0	1,573.0	1,516.5	56.52	27.828	
13,400.0	10,579.0	14,966.7	12,152.0	59.4	63.1	179.97	-2,735.2	-542.3	1,573.0	1,515.2	57.79	27.219	
13,500.0	10,579.0	15,066.7	12,152.0	60.6	64.3	179.97	-2,835.2	-541.6	1,573.0	1,513.9	59.07	26.630	
13,600.0	10,579.0	15,166.7	12,152.0	61.9	65.5	179.97	-2,935.2	-540.9	1,573.0	1,512.6	60.36	26.059	
13,700.0	10,579.0	15,266.7	12,152.0	63.2	66.7	179.97	-3,035.2	-540.2	1,573.0	1,511.3	61.67	25.508	
13,800.0	10,579.0	15,366.7	12,152.0	64.5	68.0	179.97	-3,135.2	-539.5	1,573.0	1,510.0	62.99	24.974	
13,900.0	10,579.0	15,466.7	12,152.0	65.9	69.3	179.97	-3,235.2	-538.8	1,573.0	1,508.7	64.31	24.458	
14,000.0	10,579.0	15,566.7	12,152.0	67.2	70.6	179.97	-3,335.2	-538.1	1,573.0	1,507.3	65.65	23.959	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #222H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	10,579.0	15,666.7	12,152.0	68.6	71.9	179.97	-3,435.2	-537.4	1,573.0	1,506.0	67.00	23.477	
14,200.0	10,579.0	15,766.7	12,152.0	70.0	73.2	179.97	-3,535.2	-536.7	1,573.0	1,504.6	68.36	23.010	
14,300.0	10,579.0	15,866.7	12,152.0	71.3	74.5	179.97	-3,635.2	-536.0	1,573.0	1,503.3	69.73	22.559	
14,400.0	10,579.0	15,966.7	12,152.0	72.7	75.9	179.97	-3,735.2	-535.3	1,573.0	1,501.9	71.10	22.122	
14,500.0	10,579.0	16,066.7	12,152.0	74.1	77.3	179.97	-3,835.2	-534.6	1,573.0	1,500.5	72.49	21.700	
14,600.0	10,579.0	16,166.7	12,152.0	75.6	78.6	179.97	-3,935.2	-533.9	1,573.0	1,499.1	73.88	21.292	
14,700.0	10,579.0	16,266.7	12,152.0	77.0	80.0	179.97	-4,035.2	-533.2	1,573.0	1,497.7	75.28	20.896	
14,800.0	10,579.0	16,366.7	12,152.0	78.4	81.4	179.97	-4,135.2	-532.5	1,573.0	1,496.3	76.68	20.514	
14,900.0	10,579.0	16,466.7	12,152.0	79.9	82.8	179.97	-4,235.2	-531.8	1,573.0	1,494.9	78.09	20.143	
15,000.0	10,579.0	16,566.7	12,152.0	81.3	84.2	179.97	-4,335.2	-531.1	1,573.0	1,493.5	79.51	19.784	
15,100.0	10,579.0	16,666.7	12,152.0	82.8	85.6	179.97	-4,435.2	-530.4	1,573.0	1,492.1	80.93	19.437	
15,200.0	10,579.0	16,766.7	12,152.0	84.2	87.1	179.97	-4,535.2	-529.7	1,573.0	1,490.6	82.36	19.100	
15,300.0	10,579.0	16,866.7	12,152.0	85.7	88.5	179.97	-4,635.2	-529.0	1,573.0	1,489.2	83.79	18.773	
15,400.0	10,579.0	16,966.7	12,152.0	87.2	89.9	179.97	-4,735.2	-528.3	1,573.0	1,487.8	85.23	18.457	
15,500.0	10,579.0	17,066.7	12,152.0	88.7	91.4	179.98	-4,835.2	-527.6	1,573.0	1,486.3	86.67	18.150	
15,600.0	10,579.0	17,166.7	12,152.0	90.2	92.8	179.98	-4,935.2	-526.9	1,573.0	1,484.9	88.11	17.852	
15,700.0	10,579.0	17,266.7	12,152.0	91.7	94.3	179.98	-5,035.2	-526.2	1,573.0	1,483.4	89.56	17.563	
15,800.0	10,579.0	17,366.7	12,152.0	93.2	95.8	179.98	-5,135.2	-525.5	1,573.0	1,482.0	91.02	17.282	
15,900.0	10,579.0	17,466.7	12,152.0	94.7	97.2	179.98	-5,235.2	-524.8	1,573.0	1,480.5	92.48	17.010	
16,000.0	10,579.0	17,566.7	12,152.0	96.2	98.7	179.98	-5,335.2	-524.1	1,573.0	1,479.1	93.94	16.745	
16,100.0	10,579.0	17,666.7	12,152.0	97.7	100.2	179.98	-5,435.2	-523.4	1,573.0	1,477.6	95.40	16.488	
16,200.0	10,579.0	17,766.7	12,152.0	99.2	101.7	179.98	-5,535.1	-522.7	1,573.0	1,476.1	96.87	16.238	
16,300.0	10,579.0	17,866.7	12,152.0	100.7	103.2	179.98	-5,635.1	-522.0	1,573.0	1,474.7	98.34	15.995	
16,400.0	10,579.0	17,966.7	12,152.0	102.3	104.7	179.98	-5,735.1	-521.3	1,573.0	1,473.2	99.82	15.759	
16,500.0	10,579.0	18,066.7	12,152.0	103.8	106.2	179.98	-5,835.1	-520.6	1,573.0	1,471.7	101.29	15.529	
16,600.0	10,579.0	18,166.7	12,152.0	105.3	107.7	179.98	-5,935.1	-519.9	1,573.0	1,470.2	102.77	15.305	
16,700.0	10,579.0	18,266.7	12,152.0	106.9	109.2	179.98	-6,035.1	-519.2	1,573.0	1,468.7	104.26	15.088	
16,800.0	10,579.0	18,366.7	12,152.0	108.4	110.7	179.98	-6,135.1	-518.5	1,573.0	1,467.3	105.74	14.876	
16,900.0	10,579.0	18,466.7	12,152.0	110.0	112.3	179.98	-6,235.1	-517.8	1,573.0	1,465.8	107.23	14.670	
17,000.0	10,579.0	18,566.7	12,152.0	111.5	113.8	179.98	-6,335.1	-517.1	1,573.0	1,464.3	108.72	14.469	
17,100.0	10,579.0	18,666.7	12,152.0	113.1	115.3	179.98	-6,435.1	-516.4	1,573.0	1,462.8	110.21	14.273	
17,200.0	10,579.0	18,766.7	12,152.0	114.6	116.9	179.98	-6,535.1	-515.7	1,573.0	1,461.3	111.70	14.082	
17,300.0	10,579.0	18,866.7	12,152.0	116.2	118.4	179.98	-6,635.1	-515.0	1,573.0	1,459.8	113.20	13.896	
17,400.0	10,579.0	18,966.7	12,152.0	117.7	119.9	179.98	-6,735.1	-514.3	1,573.0	1,458.3	114.70	13.714	
17,500.0	10,579.0	19,066.7	12,152.0	119.3	121.5	179.98	-6,835.1	-513.6	1,573.0	1,456.8	116.20	13.537	
17,600.0	10,579.0	19,166.7	12,152.0	120.9	123.0	179.98	-6,935.1	-512.9	1,573.0	1,455.3	117.70	13.365	
17,700.0	10,579.0	19,266.7	12,152.0	122.4	124.6	179.98	-7,035.1	-512.2	1,573.0	1,453.8	119.20	13.196	
17,800.0	10,579.0	19,366.7	12,152.0	124.0	126.1	179.98	-7,135.1	-511.5	1,573.0	1,452.3	120.71	13.031	
17,900.0	10,579.0	19,466.7	12,152.0	125.6	127.7	179.98	-7,235.1	-510.8	1,573.0	1,450.8	122.21	12.871	
18,000.0	10,579.0	19,566.7	12,152.0	127.2	129.2	179.98	-7,335.1	-510.1	1,573.0	1,449.3	123.72	12.714	
18,100.0	10,579.0	19,666.7	12,152.0	128.7	130.8	179.98	-7,435.1	-509.4	1,573.0	1,447.8	125.23	12.561	
18,200.0	10,579.0	19,766.7	12,152.0	130.3	132.3	179.98	-7,535.1	-508.7	1,573.0	1,446.3	126.74	12.411	
18,300.0	10,579.0	19,866.7	12,152.0	131.9	133.9	179.98	-7,635.1	-508.0	1,573.0	1,444.7	128.26	12.265	
18,400.0	10,579.0	19,966.7	12,152.0	133.5	135.5	179.99	-7,735.1	-507.3	1,573.0	1,443.2	129.77	12.121	
18,500.0	10,579.0	20,066.7	12,152.0	135.1	137.0	179.99	-7,835.1	-506.6	1,573.0	1,441.7	131.29	11.982	
18,600.0	10,579.0	20,166.7	12,152.0	136.6	138.6	179.99	-7,935.1	-505.9	1,573.0	1,440.2	132.80	11.845	
18,700.0	10,579.0	20,266.7	12,152.0	138.2	140.2	179.99	-8,035.1	-505.2	1,573.0	1,438.7	134.32	11.711	
18,800.0	10,579.0	20,366.7	12,152.0	139.8	141.7	179.99	-8,135.1	-504.5	1,573.0	1,437.2	135.84	11.580	
18,900.0	10,579.0	20,466.7	12,152.0	141.4	143.3	179.99	-8,235.1	-503.8	1,573.0	1,435.6	137.36	11.452	
19,000.0	10,579.0	20,566.7	12,152.0	143.0	144.9	179.99	-8,335.1	-503.1	1,573.0	1,434.1	138.88	11.326	
19,100.0	10,579.0	20,666.7	12,152.0	144.6	146.5	179.99	-8,435.1	-502.4	1,573.0	1,432.6	140.40	11.204	
19,200.0	10,579.0	20,766.7	12,152.0	146.2	148.0	179.99	-8,535.1	-501.7	1,573.0	1,431.1	141.93	11.083	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #222H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.0	10,579.0	20,866.7	12,152.0	147.8	149.6	179.99	-8,635.1	-501.0	1,573.0	1,429.6	143.45	10.966	
19,400.0	10,579.0	20,966.7	12,152.0	149.4	151.2	179.99	-8,735.1	-500.3	1,573.0	1,428.0	144.97	10.850	
19,500.0	10,579.0	21,066.7	12,152.0	151.0	152.8	179.99	-8,835.1	-499.6	1,573.0	1,426.5	146.50	10.737	
19,600.0	10,579.0	21,166.7	12,152.0	152.6	154.4	179.99	-8,935.1	-498.9	1,573.0	1,425.0	148.03	10.626	
19,700.0	10,579.0	21,266.7	12,152.0	154.2	155.9	179.99	-9,035.1	-498.2	1,573.0	1,423.4	149.56	10.518	
19,800.0	10,579.0	21,366.7	12,152.0	155.8	157.5	179.99	-9,135.1	-497.5	1,573.0	1,421.9	151.08	10.411	
19,900.0	10,579.0	21,466.7	12,152.0	157.4	159.1	179.99	-9,235.1	-496.8	1,573.0	1,420.4	152.61	10.307	
20,000.0	10,579.0	21,566.7	12,152.0	159.0	160.7	179.99	-9,335.1	-496.1	1,573.0	1,418.9	154.14	10.205	
20,100.0	10,579.0	21,666.7	12,152.0	160.6	162.3	179.99	-9,435.1	-495.4	1,573.0	1,417.3	155.68	10.104	
20,200.0	10,579.0	21,766.7	12,152.0	162.2	163.9	179.99	-9,535.1	-494.7	1,573.0	1,415.8	157.21	10.006	
20,300.0	10,579.0	21,866.7	12,152.0	163.8	165.5	179.99	-9,635.0	-494.0	1,573.0	1,414.3	158.74	9.909	
20,400.0	10,579.0	21,966.7	12,152.0	165.4	167.1	179.99	-9,735.0	-493.3	1,573.0	1,412.7	160.27	9.814	
20,500.0	10,579.0	22,066.7	12,152.0	167.0	168.7	179.99	-9,835.0	-492.6	1,573.0	1,411.2	161.81	9.721	
20,600.0	10,579.0	22,166.7	12,152.0	168.6	170.3	179.99	-9,935.0	-491.9	1,573.0	1,409.7	163.34	9.630	
20,700.0	10,579.0	22,266.7	12,152.0	170.2	171.9	179.99	-10,035.0	-491.2	1,573.0	1,408.1	164.88	9.540	
20,800.0	10,579.0	22,366.7	12,152.0	171.8	173.5	179.99	-10,135.0	-490.4	1,573.0	1,406.6	166.41	9.452	
20,900.0	10,579.0	22,466.7	12,152.0	173.4	175.1	179.99	-10,235.0	-489.7	1,573.0	1,405.1	167.95	9.366	
21,000.0	10,579.0	22,566.7	12,152.0	175.1	176.7	179.99	-10,335.0	-489.0	1,573.0	1,403.5	169.49	9.281	
21,100.0	10,579.0	22,666.7	12,152.0	176.7	178.3	179.99	-10,435.0	-488.3	1,573.0	1,402.0	171.03	9.197	
21,200.0	10,579.0	22,766.7	12,152.0	178.3	179.9	179.99	-10,535.0	-487.6	1,573.0	1,400.4	172.56	9.115	
21,300.0	10,579.0	22,866.7	12,152.0	179.9	181.5	179.99	-10,635.0	-486.9	1,573.0	1,398.9	174.10	9.035	
21,400.0	10,579.0	22,966.7	12,152.0	181.5	183.1	180.00	-10,735.0	-486.2	1,573.0	1,397.4	175.64	8.956	
21,500.0	10,579.0	23,066.7	12,152.0	183.1	184.7	180.00	-10,835.0	-485.5	1,573.0	1,395.8	177.18	8.878	
21,600.0	10,579.0	23,166.7	12,152.0	184.7	186.3	180.00	-10,935.0	-484.8	1,573.0	1,394.3	178.72	8.801	
21,700.0	10,579.0	23,266.7	12,152.0	186.4	187.9	180.00	-11,035.0	-484.1	1,573.0	1,392.7	180.26	8.726	
21,800.0	10,579.0	23,366.7	12,152.0	188.0	189.5	180.00	-11,135.0	-483.4	1,573.0	1,391.2	181.81	8.652	
21,900.0	10,579.0	23,466.7	12,152.0	189.6	191.1	180.00	-11,235.0	-482.7	1,573.0	1,389.7	183.35	8.579	
22,000.0	10,579.0	23,566.7	12,152.0	191.2	192.7	180.00	-11,335.0	-482.0	1,573.0	1,388.1	184.89	8.508	
22,100.0	10,579.0	23,666.7	12,152.0	192.8	194.3	180.00	-11,435.0	-481.3	1,573.0	1,386.6	186.43	8.437	
22,200.0	10,579.0	23,766.7	12,152.0	194.5	196.0	180.00	-11,535.0	-480.6	1,573.0	1,385.0	187.98	8.368	
22,300.0	10,579.0	23,866.7	12,152.0	196.1	197.6	180.00	-11,635.0	-479.9	1,573.0	1,383.5	189.52	8.300	
22,400.0	10,579.0	23,966.7	12,152.0	197.7	199.2	180.00	-11,735.0	-479.2	1,573.0	1,381.9	191.06	8.233	
22,500.0	10,579.0	24,066.7	12,152.0	199.3	200.8	180.00	-11,835.0	-478.5	1,573.0	1,380.4	192.61	8.167	
22,600.0	10,579.0	24,166.7	12,152.0	200.9	202.4	180.00	-11,935.0	-477.8	1,573.0	1,378.8	194.15	8.102	
22,700.0	10,579.0	24,266.7	12,152.0	202.6	204.0	180.00	-12,035.0	-477.1	1,573.0	1,377.3	195.70	8.038	
22,800.0	10,579.0	24,366.7	12,152.0	204.2	205.6	180.00	-12,135.0	-476.4	1,573.0	1,375.8	197.25	7.975	
22,900.0	10,579.0	24,466.7	12,152.0	205.8	207.2	-180.00	-12,235.0	-475.7	1,573.0	1,374.2	198.79	7.913	
22,951.3	10,579.0	24,518.1	12,152.0	206.6	208.1	-180.00	-12,286.3	-475.4	1,573.0	1,373.4	199.59	7.881	
23,000.0	10,579.0	24,507.4	12,152.0	207.4	207.9	-180.00	-12,275.6	-475.4	1,574.1	1,374.7	199.43	7.893	
23,081.2	10,579.0	24,507.4	12,152.0	208.8	207.9	-180.00	-12,275.6	-475.4	1,579.3	1,380.2	199.10	7.932	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #226H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	95.41	-9.4	99.5	100.0				
100.0	100.0	100.0	100.0	0.1	0.1	95.41	-9.4	99.5	100.0	99.7	0.26	390.057	
200.0	200.0	200.0	200.0	0.5	0.5	95.41	-9.4	99.5	100.0	99.0	0.97	102.722	
300.0	300.0	300.0	300.0	0.8	0.8	95.41	-9.4	99.5	100.0	98.3	1.69	59.150	
400.0	400.0	400.0	400.0	1.2	1.2	95.41	-9.4	99.5	100.0	97.6	2.41	41.533	
500.0	500.0	500.0	500.0	1.6	1.6	95.41	-9.4	99.5	100.0	96.9	3.12	32.001	
600.0	600.0	600.0	600.0	1.9	1.9	95.41	-9.4	99.5	100.0	96.1	3.84	26.028	CC
700.0	700.0	699.6	699.6	2.3	2.3	94.92	-8.6	99.8	100.2	95.6	4.56	21.982	
800.0	800.0	799.2	799.2	2.6	2.6	93.48	-6.1	100.5	100.7	95.5	5.27	19.112	ES
900.0	900.0	898.7	898.5	3.0	3.0	91.12	-2.0	101.8	101.8	95.9	5.99	17.014	
1,000.0	1,000.0	998.0	997.6	3.4	3.3	87.91	3.8	103.6	103.7	97.0	6.70	15.470	
1,100.0	1,100.0	1,097.0	1,096.4	3.7	3.7	83.98	11.2	105.8	106.5	99.1	7.42	14.355	
1,200.0	1,200.0	1,195.7	1,194.7	4.1	4.1	79.48	20.2	108.6	110.6	102.4	8.14	13.591	
1,300.0	1,300.0	1,294.1	1,292.4	4.4	4.4	74.64	30.7	111.8	116.2	107.4	8.85	13.127	
1,400.0	1,400.0	1,408.0	1,389.5	4.8	4.9	69.67	42.8	115.5	123.7	114.0	9.63	12.845	
1,500.0	1,500.0	1,509.0	1,487.5	5.1	5.3	64.91	56.0	119.6	132.6	122.3	10.36	12.806	
1,600.0	1,600.0	1,609.9	1,585.7	5.5	5.7	104.19	69.2	123.6	142.6	131.5	11.08	12.866	
1,700.0	1,700.0	1,689.3	1,683.9	5.9	6.0	101.43	82.4	127.7	153.5	141.7	11.73	13.085	
1,800.0	1,799.9	1,788.5	1,782.1	6.2	6.4	99.61	95.6	131.7	164.9	152.4	12.45	13.242	
1,900.0	1,899.7	1,887.8	1,880.4	6.6	6.8	98.57	108.8	135.8	176.7	163.5	13.18	13.407	
2,000.0	1,999.4	1,987.0	1,978.7	6.9	7.2	98.17	122.0	139.8	188.8	174.8	13.91	13.570	
2,100.0	2,098.9	2,086.3	2,077.0	7.3	7.6	98.30	135.2	143.9	201.1	186.4	14.65	13.728	
2,200.0	2,198.3	2,185.4	2,175.2	7.7	8.0	98.86	148.4	147.9	213.7	198.3	15.39	13.881	
2,300.0	2,297.4	2,284.5	2,273.3	8.0	8.4	99.78	161.6	152.0	226.6	210.4	16.15	14.032	
2,400.0	2,396.4	2,383.6	2,371.4	8.4	8.8	100.92	174.8	156.0	239.7	222.8	16.91	14.177	
2,500.0	2,495.5	2,482.6	2,469.4	8.8	9.2	101.95	187.9	160.0	253.0	235.3	17.68	14.311	
2,600.0	2,594.5	2,581.6	2,567.5	9.2	9.6	102.87	201.1	164.1	266.3	247.8	18.45	14.435	
2,700.0	2,693.5	2,680.6	2,665.6	9.6	10.0	103.70	214.3	168.1	279.6	260.4	19.22	14.550	
2,800.0	2,792.5	2,779.7	2,763.6	10.0	10.4	104.46	227.5	172.2	293.0	273.1	19.99	14.657	
2,900.0	2,891.6	2,881.0	2,864.0	10.3	10.8	105.20	240.7	176.2	306.4	285.6	20.79	14.736	
3,000.0	2,990.6	2,986.1	2,968.4	10.7	11.2	106.20	252.3	179.8	318.2	296.6	21.61	14.725	
3,100.0	3,089.6	3,091.4	3,073.3	11.1	11.6	107.50	261.1	182.5	328.3	305.8	22.42	14.644	
3,200.0	3,188.6	3,196.8	3,178.5	11.5	12.0	109.10	267.1	184.3	336.7	313.5	23.21	14.507	
3,300.0	3,287.7	3,302.0	3,283.6	11.9	12.4	110.98	270.4	185.3	343.6	319.6	23.98	14.326	
3,400.0	3,386.7	3,405.0	3,386.7	12.3	12.7	113.10	271.1	185.5	349.2	324.5	24.74	14.117	
3,500.0	3,485.7	3,504.1	3,485.7	12.7	13.1	115.15	271.1	185.5	355.0	329.5	25.48	13.933	
3,600.0	3,584.8	3,603.1	3,584.8	13.1	13.4	117.13	271.1	185.5	361.2	335.0	26.22	13.777	
3,700.0	3,683.8	3,702.1	3,683.8	13.5	13.7	119.05	271.1	185.5	367.8	340.8	26.95	13.647	
3,800.0	3,782.8	3,801.1	3,782.8	13.9	14.1	120.89	271.1	185.5	374.8	347.1	27.68	13.539	
3,900.0	3,881.8	3,900.2	3,881.8	14.3	14.4	122.67	271.1	185.5	382.2	353.7	28.41	13.452	
4,000.0	3,980.9	4,000.8	3,980.9	14.8	14.7	124.38	271.1	185.5	389.9	360.8	29.14	13.380	
4,100.0	4,079.9	4,101.8	4,079.9	15.2	15.1	126.03	271.1	185.5	398.0	368.1	29.87	13.323	
4,200.0	4,178.9	4,202.7	4,178.9	15.6	15.4	127.60	271.1	185.5	406.4	375.8	30.60	13.280	
4,283.5	4,261.6	4,280.0	4,261.6	15.9	15.7	128.87	271.1	185.5	413.6	382.4	31.18	13.264	
4,300.0	4,277.9	4,303.7	4,277.9	16.0	15.8	129.13	271.1	185.5	415.0	383.7	31.33	13.249	
4,400.0	4,377.2	4,404.5	4,377.2	16.4	16.1	130.50	271.1	185.5	422.9	390.8	32.05	13.196	
4,500.0	4,476.7	4,504.9	4,476.7	16.8	16.5	131.54	271.1	185.5	429.2	396.4	32.76	13.102	
4,600.0	4,576.5	4,605.2	4,576.5	17.1	16.8	132.28	271.1	185.5	433.9	400.4	33.46	12.965	
4,700.0	4,676.4	4,705.3	4,676.4	17.5	17.1	132.74	271.1	185.5	436.8	402.6	34.16	12.787	
4,800.0	4,776.4	4,805.3	4,776.4	17.8	17.5	132.92	271.1	185.5	438.0	403.1	34.85	12.566	
4,816.9	4,793.2	4,811.6	4,793.2	17.9	17.5	89.74	271.1	185.5	438.0	403.1	34.93	12.539	
4,900.0	4,876.4	4,905.3	4,876.4	18.2	17.8	89.74	271.1	185.5	438.0	402.5	35.54	12.324	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #226H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,976.4	5,005.3	4,976.4	18.5	18.2	89.74	271.1	185.5	438.0	401.8	36.23	12.089	
5,100.0	5,076.4	5,105.3	5,076.4	18.9	18.5	89.74	271.1	185.5	438.0	401.1	36.92	11.863	
5,200.0	5,176.4	5,205.3	5,176.4	19.2	18.9	89.74	271.1	185.5	438.0	400.4	37.62	11.645	
5,300.0	5,276.4	5,305.3	5,276.4	19.5	19.2	89.74	271.1	185.5	438.0	399.7	38.31	11.434	
5,400.0	5,376.4	5,405.3	5,376.4	19.9	19.6	89.74	271.1	185.5	438.0	399.0	39.00	11.231	
5,500.0	5,476.4	5,505.3	5,476.4	20.2	19.9	89.74	271.1	185.5	438.0	398.3	39.70	11.034	
5,600.0	5,576.4	5,605.3	5,576.4	20.6	20.3	89.74	271.1	185.5	438.0	397.6	40.39	10.844	
5,700.0	5,676.4	5,705.3	5,676.4	20.9	20.6	89.74	271.1	185.5	438.0	396.9	41.09	10.661	
5,800.0	5,776.4	5,805.3	5,776.4	21.2	21.0	89.74	271.1	185.5	438.0	396.2	41.78	10.483	
5,900.0	5,876.4	5,905.3	5,876.4	21.6	21.3	89.74	271.1	185.5	438.0	395.5	42.48	10.311	
6,000.0	5,976.4	6,005.3	5,976.4	21.9	21.7	89.74	271.1	185.5	438.0	394.8	43.18	10.144	
6,100.0	6,076.4	6,105.3	6,076.4	22.3	22.0	89.74	271.1	185.5	438.0	394.1	43.88	9.983	
6,200.0	6,176.4	6,205.3	6,176.4	22.6	22.4	89.74	271.1	185.5	438.0	393.4	44.58	9.826	
6,300.0	6,276.4	6,305.3	6,276.4	23.0	22.7	89.74	271.1	185.5	438.0	392.7	45.28	9.674	
6,400.0	6,376.4	6,405.3	6,376.4	23.3	23.1	89.74	271.1	185.5	438.0	392.0	45.98	9.527	
6,500.0	6,476.4	6,505.3	6,476.4	23.7	23.4	89.74	271.1	185.5	438.0	391.3	46.68	9.384	
6,600.0	6,576.4	6,605.3	6,576.4	24.0	23.8	89.74	271.1	185.5	438.0	390.6	47.38	9.245	
6,700.0	6,676.4	6,705.3	6,676.4	24.3	24.1	89.74	271.1	185.5	438.0	389.9	48.08	9.110	
6,800.0	6,776.4	6,805.3	6,776.4	24.7	24.5	89.74	271.1	185.5	438.0	389.2	48.78	8.979	
6,900.0	6,876.4	6,905.3	6,876.4	25.0	24.8	89.74	271.1	185.5	438.0	388.5	49.49	8.852	
7,000.0	6,976.4	7,005.3	6,976.4	25.4	25.2	89.74	271.1	185.5	438.0	387.8	50.19	8.728	
7,100.0	7,076.4	7,105.3	7,076.4	25.7	25.5	89.74	271.1	185.5	438.0	387.1	50.89	8.607	
7,200.0	7,176.4	7,205.3	7,176.4	26.1	25.9	89.74	271.1	185.5	438.0	386.4	51.60	8.490	
7,300.0	7,276.4	7,305.3	7,276.4	26.4	26.2	89.74	271.1	185.5	438.0	385.7	52.30	8.375	
7,400.0	7,376.4	7,405.3	7,376.4	26.8	26.6	89.74	271.1	185.5	438.0	385.0	53.00	8.264	
7,500.0	7,476.4	7,505.3	7,476.4	27.1	26.9	89.74	271.1	185.5	438.0	384.3	53.71	8.156	
7,600.0	7,576.4	7,605.3	7,576.4	27.5	27.3	89.74	271.1	185.5	438.0	383.6	54.41	8.050	
7,700.0	7,676.4	7,705.3	7,676.4	27.8	27.6	89.74	271.1	185.5	438.0	382.9	55.12	7.947	
7,800.0	7,776.4	7,805.3	7,776.4	28.2	28.0	89.74	271.1	185.5	438.0	382.2	55.82	7.846	
7,900.0	7,876.4	7,905.3	7,876.4	28.5	28.3	89.74	271.1	185.5	438.0	381.5	56.53	7.748	
8,000.0	7,976.4	8,005.3	7,976.4	28.9	28.7	89.74	271.1	185.5	438.0	380.8	57.24	7.653	
8,100.0	8,076.4	8,105.3	8,076.4	29.2	29.1	89.74	271.1	185.5	438.0	380.1	57.94	7.560	
8,200.0	8,176.4	8,205.3	8,176.4	29.6	29.4	89.74	271.1	185.5	438.0	379.4	58.65	7.468	
8,300.0	8,276.4	8,305.3	8,276.4	29.9	29.8	89.74	271.1	185.5	438.0	378.7	59.36	7.379	
8,400.0	8,376.4	8,405.3	8,376.4	30.3	30.1	89.74	271.1	185.5	438.0	378.0	60.06	7.293	
8,500.0	8,476.4	8,505.3	8,476.4	30.6	30.5	89.74	271.1	185.5	438.0	377.3	60.77	7.208	
8,600.0	8,576.4	8,605.3	8,576.4	31.0	30.8	89.74	271.1	185.5	438.0	376.5	61.48	7.125	
8,700.0	8,676.4	8,705.3	8,676.4	31.3	31.2	89.74	271.1	185.5	438.0	375.8	62.19	7.044	
8,800.0	8,776.4	8,805.3	8,776.4	31.7	31.5	89.74	271.1	185.5	438.0	375.1	62.90	6.964	
8,900.0	8,876.4	8,905.3	8,876.4	32.0	31.9	89.74	271.1	185.5	438.0	374.4	63.60	6.887	
9,000.0	8,976.4	9,005.3	8,976.4	32.4	32.2	89.74	271.1	185.5	438.0	373.7	64.31	6.811	
9,100.0	9,076.4	9,105.3	9,076.4	32.7	32.6	89.74	271.1	185.5	438.0	373.0	65.02	6.737	
9,200.0	9,176.4	9,205.3	9,176.4	33.1	32.9	89.74	271.1	185.5	438.0	372.3	65.73	6.664	
9,300.0	9,276.4	9,305.3	9,276.4	33.4	33.3	89.74	271.1	185.5	438.0	371.6	66.44	6.593	
9,400.0	9,376.4	9,405.3	9,376.4	33.8	33.7	89.74	271.1	185.5	438.0	370.9	67.15	6.523	
9,500.0	9,476.4	9,505.3	9,476.4	34.2	34.0	89.74	271.1	185.5	438.0	370.2	67.86	6.455	
9,600.0	9,576.4	9,605.3	9,576.4	34.5	34.4	89.74	271.1	185.5	438.0	369.5	68.57	6.388	
9,700.0	9,676.4	9,705.3	9,676.4	34.9	34.7	89.74	271.1	185.5	438.0	368.7	69.28	6.323	
9,800.0	9,776.4	9,805.3	9,776.4	35.2	35.1	89.74	271.1	185.5	438.0	368.0	69.99	6.259	
9,900.0	9,876.4	9,905.3	9,876.4	35.6	35.4	89.74	271.1	185.5	438.0	367.3	70.70	6.196	
10,000.0	9,976.4	10,005.3	9,976.4	35.9	35.8	89.74	271.1	185.5	438.0	366.6	71.41	6.134	
10,029.6	10,006.0	10,024.3	10,006.0	36.0	35.9	89.74	271.1	185.5	438.0	366.4	71.58	6.119	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #226H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,050.0	10,026.4	10,044.7	10,026.4	36.1	35.9	-107.59	271.1	185.5	438.1	366.4	71.72	6.109	
10,100.0	10,076.2	10,105.5	10,076.2	36.2	36.1	-107.97	271.1	185.5	439.3	367.3	72.09	6.094	SF
10,150.0	10,125.5	10,143.8	10,125.5	36.4	36.3	-108.73	271.1	185.5	442.0	369.6	72.38	6.106	
10,200.0	10,173.9	10,207.8	10,173.9	36.5	36.5	-109.81	271.1	185.5	446.3	373.5	72.76	6.134	
10,250.0	10,221.0	10,239.3	10,221.0	36.7	36.6	-111.12	271.1	185.5	452.4	379.4	73.01	6.197	
10,300.0	10,266.4	10,284.8	10,266.4	36.8	36.8	-112.56	271.1	185.5	460.8	387.5	73.30	6.287	
10,350.0	10,309.9	10,328.3	10,309.9	36.9	36.9	-114.01	271.1	185.5	471.7	398.2	73.57	6.412	
10,400.0	10,351.1	10,369.5	10,351.1	37.0	37.1	-115.34	271.1	185.5	485.6	411.7	73.83	6.577	
10,450.0	10,389.7	10,408.0	10,389.7	37.1	37.2	-116.44	271.1	185.5	502.6	428.5	74.06	6.785	
10,500.0	10,425.3	10,443.6	10,425.3	37.2	37.3	-117.18	271.1	185.5	522.9	448.6	74.28	7.039	
10,550.0	10,457.7	10,476.1	10,457.7	37.3	37.5	-117.45	271.1	185.5	546.6	472.1	74.47	7.340	
10,600.0	10,486.7	10,505.1	10,486.7	37.3	37.6	-117.14	271.1	185.5	573.7	499.1	74.63	7.687	
10,650.0	10,512.1	10,530.4	10,512.1	37.4	37.7	-116.11	271.1	185.5	604.1	529.3	74.77	8.079	
10,700.0	10,533.6	10,551.9	10,533.6	37.5	37.7	-114.22	271.1	185.5	637.4	562.6	74.88	8.513	
10,750.0	10,551.0	10,569.4	10,551.0	37.6	37.8	-111.32	271.1	185.5	673.5	598.5	74.96	8.985	
10,800.0	10,564.4	10,582.7	10,564.4	37.8	37.8	-107.21	271.1	185.5	711.9	636.9	75.02	9.490	
10,850.0	10,573.4	10,608.2	10,573.4	37.9	37.9	-101.73	271.1	185.5	752.3	677.2	75.12	10.015	
10,900.0	10,578.2	10,603.5	10,578.2	38.1	37.9	-94.78	271.1	185.5	794.2	719.1	75.09	10.575	
10,929.6	10,579.0	10,602.7	10,579.0	38.2	37.9	-90.00	271.1	185.5	819.5	744.4	75.09	10.914	
11,000.0	10,579.0	10,602.7	10,579.0	38.4	37.9	-90.00	271.1	185.5	880.4	805.3	75.07	11.727	
11,100.0	10,579.0	10,602.7	10,579.0	38.8	37.9	-90.00	271.1	185.5	967.7	892.7	75.06	12.892	
11,200.0	10,579.0	10,602.7	10,579.0	39.2	37.9	-90.00	271.1	185.5	1,055.8	980.7	75.06	14.067	
11,300.0	10,579.0	10,602.7	10,579.0	39.7	37.9	-90.00	271.1	185.5	1,144.3	1,069.3	75.05	15.247	
11,400.0	10,579.0	10,602.7	10,579.0	40.3	37.9	-90.00	271.1	185.5	1,233.1	1,158.0	75.05	16.429	
11,500.0	10,579.0	10,602.7	10,579.0	40.9	37.9	-90.00	271.1	185.5	1,322.0	1,246.9	75.06	17.613	
11,600.0	10,579.0	10,602.7	10,579.0	41.5	37.9	-90.00	271.1	185.5	1,410.8	1,335.8	75.07	18.795	
11,700.0	10,579.0	10,602.7	10,579.0	42.2	37.9	-90.00	271.1	185.5	1,499.6	1,424.5	75.08	19.975	
11,800.0	10,579.0	10,602.7	10,579.0	42.9	37.9	-90.00	271.1	185.5	1,588.2	1,513.1	75.09	21.151	
11,814.4	10,579.0	10,602.7	10,579.0	43.0	37.9	-90.00	271.1	185.5	1,601.0	1,525.9	75.09	21.321	
11,900.0	10,579.0	10,602.7	10,579.0	43.6	37.9	-90.00	271.1	185.5	1,677.1	1,602.0	75.10	22.330	
12,000.0	10,579.0	10,602.7	10,579.0	44.4	37.9	-90.00	271.1	185.5	1,767.2	1,692.0	75.12	23.523	
12,100.0	10,579.0	10,602.7	10,579.0	45.3	37.9	-90.00	271.1	185.5	1,858.3	1,783.1	75.15	24.728	
12,200.0	10,579.0	10,602.7	10,579.0	46.1	37.9	-90.00	271.1	185.5	1,950.2	1,875.0	75.17	25.944	
12,300.0	10,579.0	14,171.4	12,493.0	47.1	52.0	-161.02	-1,630.6	109.3	2,024.1	1,969.8	54.23	37.326	
12,400.0	10,579.0	14,271.4	12,493.0	48.0	52.9	-161.02	-1,730.6	110.0	2,024.1	1,968.7	55.37	36.556	
12,500.0	10,579.0	14,371.4	12,493.0	49.0	53.8	-161.02	-1,830.6	110.7	2,024.1	1,967.5	56.55	35.793	
12,600.0	10,579.0	14,471.4	12,493.0	50.1	54.8	-161.02	-1,930.6	111.4	2,024.1	1,966.3	57.76	35.042	
12,700.0	10,579.0	14,571.4	12,493.0	51.1	55.8	-161.02	-2,030.6	112.1	2,024.1	1,965.1	59.01	34.303	
12,800.0	10,579.0	14,671.4	12,493.0	52.2	56.8	-161.02	-2,130.6	112.8	2,024.1	1,963.8	60.28	33.578	
12,900.0	10,579.0	14,771.4	12,493.0	53.4	57.8	-161.02	-2,230.6	113.5	2,024.1	1,962.5	61.58	32.868	
13,000.0	10,579.0	14,871.4	12,493.0	54.5	58.9	-161.02	-2,330.6	114.2	2,024.1	1,961.2	62.91	32.174	
13,100.0	10,579.0	14,971.4	12,493.0	55.7	60.0	-161.02	-2,430.6	114.9	2,024.1	1,959.8	64.26	31.497	
13,200.0	10,579.0	15,071.4	12,493.0	56.9	61.1	-161.01	-2,530.6	115.7	2,024.1	1,958.5	65.64	30.837	
13,300.0	10,579.0	15,171.4	12,493.0	58.1	62.3	-161.01	-2,630.6	116.4	2,024.1	1,957.1	67.04	30.194	
13,400.0	10,579.0	15,271.4	12,493.0	59.4	63.5	-161.01	-2,730.6	117.1	2,024.1	1,955.7	68.45	29.569	
13,500.0	10,579.0	15,371.4	12,493.0	60.6	64.7	-161.01	-2,830.6	117.8	2,024.1	1,954.2	69.89	28.961	
13,600.0	10,579.0	15,471.4	12,493.0	61.9	65.9	-161.01	-2,930.6	118.5	2,024.1	1,952.8	71.35	28.370	
13,700.0	10,579.0	15,571.4	12,493.0	63.2	67.1	-161.01	-3,030.6	119.2	2,024.1	1,951.3	72.82	27.797	
13,800.0	10,579.0	15,671.4	12,493.0	64.5	68.4	-161.01	-3,130.6	119.9	2,024.1	1,949.8	74.31	27.241	
13,900.0	10,579.0	15,771.4	12,493.0	65.9	69.6	-161.01	-3,230.5	120.6	2,024.1	1,948.3	75.81	26.701	
14,000.0	10,579.0	15,871.4	12,493.0	67.2	70.9	-161.01	-3,330.5	121.3	2,024.1	1,946.8	77.33	26.177	
14,100.0	10,579.0	15,971.4	12,493.0	68.6	72.2	-161.01	-3,430.5	122.0	2,024.2	1,945.3	78.86	25.669	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #226H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.0	10,579.0	16,071.4	12,493.0	70.0	73.5	-161.01	-3,530.5	122.7	2,024.2	1,943.8	80.40	25.177	
14,300.0	10,579.0	16,171.4	12,493.0	71.3	74.8	-161.01	-3,630.5	123.4	2,024.2	1,942.2	81.95	24.699	
14,400.0	10,579.0	16,271.4	12,493.0	72.7	76.2	-161.01	-3,730.5	124.1	2,024.2	1,940.6	83.52	24.236	
14,500.0	10,579.0	16,371.4	12,493.0	74.1	77.5	-161.01	-3,830.5	124.8	2,024.2	1,939.1	85.10	23.787	
14,600.0	10,579.0	16,471.4	12,493.0	75.6	78.9	-161.01	-3,930.5	125.5	2,024.2	1,937.5	86.68	23.352	
14,700.0	10,579.0	16,571.4	12,493.0	77.0	80.3	-161.01	-4,030.5	126.2	2,024.2	1,935.9	88.28	22.930	
14,800.0	10,579.0	16,671.4	12,493.0	78.4	81.6	-161.01	-4,130.5	127.0	2,024.2	1,934.3	89.88	22.520	
14,900.0	10,579.0	16,771.4	12,493.0	79.9	83.0	-161.01	-4,230.5	127.7	2,024.2	1,932.7	91.50	22.123	
15,000.0	10,579.0	16,871.4	12,493.0	81.3	84.4	-161.01	-4,330.5	128.4	2,024.2	1,931.1	93.12	21.738	
15,100.0	10,579.0	16,971.4	12,493.0	82.8	85.8	-161.01	-4,430.5	129.1	2,024.2	1,929.5	94.75	21.364	
15,200.0	10,579.0	17,071.4	12,493.0	84.2	87.3	-161.01	-4,530.5	129.8	2,024.2	1,927.8	96.38	21.002	
15,300.0	10,579.0	17,171.4	12,493.0	85.7	88.7	-161.01	-4,630.5	130.5	2,024.2	1,926.2	98.03	20.650	
15,400.0	10,579.0	17,271.4	12,493.0	87.2	90.1	-161.01	-4,730.5	131.2	2,024.2	1,924.5	99.68	20.308	
15,500.0	10,579.0	17,371.4	12,493.0	88.7	91.6	-161.01	-4,830.5	131.9	2,024.2	1,922.9	101.33	19.976	
15,600.0	10,579.0	17,471.4	12,493.0	90.2	93.0	-161.01	-4,930.5	132.6	2,024.2	1,921.2	102.99	19.654	
15,700.0	10,579.0	17,571.4	12,493.0	91.7	94.5	-161.00	-5,030.5	133.3	2,024.2	1,919.6	104.66	19.341	
15,800.0	10,579.0	17,671.4	12,493.0	93.2	95.9	-161.00	-5,130.5	134.0	2,024.2	1,917.9	106.34	19.036	
15,900.0	10,579.0	17,771.4	12,493.0	94.7	97.4	-161.00	-5,230.5	134.7	2,024.2	1,916.2	108.01	18.741	
16,000.0	10,579.0	17,871.4	12,493.0	96.2	98.9	-161.00	-5,330.5	135.4	2,024.2	1,914.5	109.70	18.453	
16,100.0	10,579.0	17,971.4	12,493.0	97.7	100.4	-161.00	-5,430.5	136.1	2,024.2	1,912.9	111.39	18.173	
16,200.0	10,579.0	18,071.4	12,493.0	99.2	101.8	-161.00	-5,530.5	136.8	2,024.3	1,911.2	113.08	17.901	
16,300.0	10,579.0	18,171.4	12,493.0	100.7	103.3	-161.00	-5,630.5	137.5	2,024.3	1,909.5	114.77	17.637	
16,400.0	10,579.0	18,271.4	12,493.0	102.3	104.8	-161.00	-5,730.5	138.3	2,024.3	1,907.8	116.48	17.379	
16,500.0	10,579.0	18,371.4	12,493.0	103.8	106.3	-161.00	-5,830.5	139.0	2,024.3	1,906.1	118.18	17.129	
16,600.0	10,579.0	18,471.4	12,493.0	105.3	107.8	-161.00	-5,930.5	139.7	2,024.3	1,904.4	119.89	16.885	
16,700.0	10,579.0	18,571.4	12,493.0	106.9	109.3	-161.00	-6,030.5	140.4	2,024.3	1,902.7	121.60	16.647	
16,800.0	10,579.0	18,671.4	12,493.0	108.4	110.9	-161.00	-6,130.5	141.1	2,024.3	1,901.0	123.32	16.415	
16,900.0	10,579.0	18,771.4	12,493.0	110.0	112.4	-161.00	-6,230.5	141.8	2,024.3	1,899.2	125.04	16.190	
17,000.0	10,579.0	18,871.4	12,493.0	111.5	113.9	-161.00	-6,330.5	142.5	2,024.3	1,897.5	126.76	15.970	
17,100.0	10,579.0	18,971.4	12,493.0	113.1	115.4	-161.00	-6,430.5	143.2	2,024.3	1,895.8	128.48	15.755	
17,200.0	10,579.0	19,071.4	12,493.0	114.6	116.9	-161.00	-6,530.5	143.9	2,024.3	1,894.1	130.21	15.546	
17,300.0	10,579.0	19,171.4	12,493.0	116.2	118.5	-161.00	-6,630.5	144.6	2,024.3	1,892.4	131.94	15.342	
17,400.0	10,579.0	19,271.4	12,493.0	117.7	120.0	-161.00	-6,730.5	145.3	2,024.3	1,890.6	133.68	15.143	
17,500.0	10,579.0	19,371.4	12,493.0	119.3	121.5	-161.00	-6,830.5	146.0	2,024.3	1,888.9	135.41	14.949	
17,600.0	10,579.0	19,471.4	12,493.0	120.9	123.1	-161.00	-6,930.5	146.7	2,024.3	1,887.2	137.15	14.760	
17,700.0	10,579.0	19,571.4	12,493.0	122.4	124.6	-161.00	-7,030.5	147.4	2,024.3	1,885.4	138.89	14.575	
17,800.0	10,579.0	19,671.4	12,493.0	124.0	126.2	-161.00	-7,130.5	148.1	2,024.3	1,883.7	140.64	14.394	
17,900.0	10,579.0	19,771.4	12,493.0	125.6	127.7	-161.00	-7,230.4	148.8	2,024.3	1,881.9	142.38	14.217	
18,000.0	10,579.0	19,871.4	12,493.0	127.2	129.3	-161.00	-7,330.4	149.6	2,024.3	1,880.2	144.13	14.045	
18,100.0	10,579.0	19,971.4	12,493.0	128.7	130.8	-161.00	-7,430.4	150.3	2,024.3	1,878.5	145.88	13.877	
18,200.0	10,579.0	20,071.4	12,493.0	130.3	132.4	-161.00	-7,530.4	151.0	2,024.3	1,876.7	147.63	13.712	
18,300.0	10,579.0	20,171.4	12,493.0	131.9	133.9	-160.99	-7,630.4	151.7	2,024.4	1,875.0	149.39	13.551	
18,400.0	10,579.0	20,271.4	12,493.0	133.5	135.5	-160.99	-7,730.4	152.4	2,024.4	1,873.2	151.15	13.393	
18,500.0	10,579.0	20,371.4	12,493.0	135.1	137.1	-160.99	-7,830.4	153.1	2,024.4	1,871.5	152.90	13.239	
18,600.0	10,579.0	20,471.4	12,493.0	136.6	138.6	-160.99	-7,930.4	153.8	2,024.4	1,869.7	154.66	13.089	
18,700.0	10,579.0	20,571.4	12,493.0	138.2	140.2	-160.99	-8,030.4	154.5	2,024.4	1,867.9	156.42	12.942	
18,800.0	10,579.0	20,671.4	12,493.0	139.8	141.8	-160.99	-8,130.4	155.2	2,024.4	1,866.2	158.19	12.797	
18,900.0	10,579.0	20,771.4	12,493.0	141.4	143.3	-160.99	-8,230.4	155.9	2,024.4	1,864.4	159.95	12.656	
19,000.0	10,579.0	20,871.4	12,493.0	143.0	144.9	-160.99	-8,330.4	156.6	2,024.4	1,862.7	161.72	12.518	
19,100.0	10,579.0	20,971.4	12,493.0	144.6	146.5	-160.99	-8,430.4	157.3	2,024.4	1,860.9	163.49	12.383	
19,200.0	10,579.0	21,071.4	12,493.0	146.2	148.1	-160.99	-8,530.4	158.0	2,024.4	1,859.1	165.26	12.250	
19,300.0	10,579.0	21,171.4	12,493.0	147.8	149.6	-160.99	-8,630.4	158.7	2,024.4	1,857.4	167.03	12.120	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #226H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,400.0	10,579.0	21,271.4	12,493.0	149.4	151.2	-160.99	-8,730.4	159.4	2,024.4	1,855.6	168.80	11.993	
19,500.0	10,579.0	21,371.4	12,493.0	151.0	152.8	-160.99	-8,830.4	160.1	2,024.4	1,853.8	170.57	11.868	
19,600.0	10,579.0	21,471.4	12,493.0	152.6	154.4	-160.99	-8,930.4	160.9	2,024.4	1,852.1	172.35	11.746	
19,700.0	10,579.0	21,571.4	12,493.0	154.2	156.0	-160.99	-9,030.4	161.6	2,024.4	1,850.3	174.12	11.626	
19,800.0	10,579.0	21,671.4	12,493.0	155.8	157.5	-160.99	-9,130.4	162.3	2,024.4	1,848.5	175.90	11.509	
19,900.0	10,579.0	21,771.4	12,493.0	157.4	159.1	-160.99	-9,230.4	163.0	2,024.4	1,846.8	177.68	11.394	
20,000.0	10,579.0	21,871.4	12,493.0	159.0	160.7	-160.99	-9,330.4	163.7	2,024.4	1,845.0	179.46	11.281	
20,100.0	10,579.0	21,971.4	12,493.0	160.6	162.3	-160.99	-9,430.4	164.4	2,024.4	1,843.2	181.24	11.170	
20,200.0	10,579.0	22,071.4	12,493.0	162.2	163.9	-160.99	-9,530.4	165.1	2,024.4	1,841.4	183.02	11.061	
20,300.0	10,579.0	22,171.4	12,493.0	163.8	165.5	-160.99	-9,630.4	165.8	2,024.4	1,839.6	184.80	10.955	
20,400.0	10,579.0	22,271.4	12,493.0	165.4	167.1	-160.99	-9,730.4	166.5	2,024.5	1,837.9	186.58	10.850	
20,500.0	10,579.0	22,371.4	12,493.0	167.0	168.7	-160.99	-9,830.4	167.2	2,024.5	1,836.1	188.37	10.747	
20,600.0	10,579.0	22,471.4	12,493.0	168.6	170.3	-160.99	-9,930.4	167.9	2,024.5	1,834.3	190.15	10.646	
20,700.0	10,579.0	22,571.4	12,493.0	170.2	171.9	-160.99	-10,030.4	168.6	2,024.5	1,832.5	191.94	10.547	
20,800.0	10,579.0	22,671.4	12,493.0	171.8	173.5	-160.98	-10,130.4	169.3	2,024.5	1,830.7	193.73	10.450	
20,900.0	10,579.0	22,771.4	12,493.0	173.4	175.1	-160.98	-10,230.4	170.0	2,024.5	1,829.0	195.51	10.355	
21,000.0	10,579.0	22,871.4	12,493.0	175.1	176.7	-160.98	-10,330.4	170.7	2,024.5	1,827.2	197.30	10.261	
21,100.0	10,579.0	22,971.4	12,493.0	176.7	178.3	-160.98	-10,430.4	171.4	2,024.5	1,825.4	199.09	10.169	
21,200.0	10,579.0	23,071.4	12,493.0	178.3	179.9	-160.98	-10,530.4	172.2	2,024.5	1,823.6	200.88	10.078	
21,300.0	10,579.0	23,171.4	12,493.0	179.9	181.5	-160.98	-10,630.4	172.9	2,024.5	1,821.8	202.67	9.989	
21,400.0	10,579.0	23,271.4	12,493.0	181.5	183.1	-160.98	-10,730.4	173.6	2,024.5	1,820.0	204.47	9.901	
21,500.0	10,579.0	23,371.4	12,493.0	183.1	184.7	-160.98	-10,830.4	174.3	2,024.5	1,818.2	206.26	9.815	
21,600.0	10,579.0	23,471.4	12,493.0	184.7	186.3	-160.98	-10,930.4	175.0	2,024.5	1,816.5	208.05	9.731	
21,700.0	10,579.0	23,571.4	12,493.0	186.4	187.9	-160.98	-11,030.4	175.7	2,024.5	1,814.7	209.85	9.648	
21,800.0	10,579.0	23,671.4	12,493.0	188.0	189.5	-160.98	-11,130.4	176.4	2,024.5	1,812.9	211.64	9.566	
21,900.0	10,579.0	23,771.4	12,493.0	189.6	191.1	-160.98	-11,230.3	177.1	2,024.5	1,811.1	213.44	9.485	
22,000.0	10,579.0	23,871.4	12,493.0	191.2	192.7	-160.98	-11,330.3	177.8	2,024.5	1,809.3	215.23	9.406	
22,100.0	10,579.0	23,971.4	12,493.0	192.8	194.3	-160.98	-11,430.3	178.5	2,024.5	1,807.5	217.03	9.328	
22,200.0	10,579.0	24,071.4	12,493.0	194.5	195.9	-160.98	-11,530.3	179.2	2,024.5	1,805.7	218.83	9.252	
22,300.0	10,579.0	24,171.4	12,493.0	196.1	197.5	-160.98	-11,630.3	179.9	2,024.5	1,803.9	220.63	9.176	
22,400.0	10,579.0	24,271.4	12,493.0	197.7	199.1	-160.98	-11,730.3	180.6	2,024.5	1,802.1	222.43	9.102	
22,500.0	10,579.0	24,371.4	12,493.0	199.3	200.7	-160.98	-11,830.3	181.3	2,024.5	1,800.3	224.23	9.029	
22,600.0	10,579.0	24,471.4	12,493.0	200.9	202.4	-160.98	-11,930.3	182.0	2,024.6	1,798.5	226.03	8.957	
22,700.0	10,579.0	24,571.4	12,493.0	202.6	204.0	-160.98	-12,030.3	182.7	2,024.6	1,796.7	227.83	8.886	
22,800.0	10,579.0	24,671.4	12,493.0	204.2	205.6	-160.98	-12,130.3	183.5	2,024.6	1,794.9	229.63	8.817	
22,900.0	10,579.0	24,771.4	12,493.0	205.8	207.2	-160.98	-12,230.3	184.2	2,024.6	1,793.1	231.43	8.748	
22,903.4	10,579.0	24,774.8	12,493.0	205.9	207.3	-160.98	-12,233.7	184.2	2,024.6	1,793.1	231.49	8.746	
23,000.0	10,579.0	24,812.9	12,493.0	207.4	207.9	-160.98	-12,271.8	184.5	2,025.4	1,793.1	232.27	8.720	
23,081.2	10,579.0	24,812.9	12,493.0	208.8	207.9	-160.98	-12,271.8	184.5	2,029.4	1,797.3	232.14	8.742	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #242H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	101.74	-29.2	140.3	143.3				
100.0	100.0	100.0	100.0	0.1	0.1	101.74	-29.2	140.3	143.3	143.0	0.26	558.926	
200.0	200.0	200.0	200.0	0.5	0.5	101.74	-29.2	140.3	143.3	142.3	0.97	147.194	
300.0	300.0	300.0	300.0	0.8	0.8	101.74	-29.2	140.3	143.3	141.6	1.69	84.758	
400.0	400.0	400.0	400.0	1.2	1.2	101.74	-29.2	140.3	143.3	140.8	2.41	59.513	
500.0	500.0	500.0	500.0	1.6	1.6	101.74	-29.2	140.3	143.3	140.1	3.12	45.856	
600.0	600.0	600.0	600.0	1.9	1.9	101.74	-29.2	140.3	143.3	139.4	3.84	37.297	
700.0	700.0	700.0	700.0	2.3	2.3	101.74	-29.2	140.3	143.3	138.7	4.56	31.430	
800.0	800.0	800.0	800.0	2.6	2.6	101.74	-29.2	140.3	143.3	138.0	5.27	27.158	
900.0	900.0	900.0	900.0	3.0	3.0	101.74	-29.2	140.3	143.3	137.3	5.99	23.909	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	101.74	-29.2	140.3	143.3	136.5	6.71	21.354	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	101.74	-29.2	140.3	143.3	135.8	7.43	19.292	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	101.74	-29.2	140.3	143.3	135.1	8.14	17.593	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	101.74	-29.2	140.3	143.3	134.4	8.86	16.170	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	101.74	-29.2	140.3	143.3	133.7	9.58	14.959	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	101.74	-29.2	140.3	143.3	133.0	10.29	13.917	
1,600.0	1,600.0	1,602.2	1,602.2	5.5	5.5	144.93	-28.5	139.6	143.2	132.2	11.01	13.006	
1,700.0	1,700.0	1,704.3	1,704.3	5.9	5.9	144.97	-26.6	137.6	143.1	131.4	11.72	12.206	
1,800.0	1,799.9	1,806.5	1,806.3	6.2	6.2	145.03	-23.5	134.3	142.9	130.5	12.43	11.493	
1,900.0	1,899.7	1,908.6	1,908.3	6.6	6.6	145.11	-19.1	129.7	142.6	129.5	13.14	10.852	
2,000.0	1,999.4	2,010.8	2,010.1	6.9	7.0	145.22	-13.4	123.8	142.2	128.4	13.85	10.271	
2,100.0	2,098.9	2,113.0	2,111.8	7.3	7.3	145.35	-6.5	116.6	141.8	127.2	14.55	9.742	
2,200.0	2,198.3	2,215.1	2,213.2	7.7	7.7	145.50	1.7	108.1	141.2	126.0	15.26	9.257	
2,300.0	2,297.4	2,316.9	2,314.1	8.0	8.1	145.69	11.1	98.3	140.7	124.7	15.97	8.809	
2,400.0	2,396.4	2,416.9	2,413.1	8.4	8.5	145.94	20.7	88.3	140.3	123.6	16.69	8.403	
2,500.0	2,495.5	2,516.9	2,512.2	8.8	8.9	146.19	30.4	78.3	139.9	122.5	17.42	8.029	
2,600.0	2,594.5	2,616.9	2,611.2	9.2	9.2	146.44	40.0	68.2	139.5	121.3	18.15	7.685	
2,700.0	2,693.5	2,716.9	2,710.2	9.6	9.6	146.70	49.6	58.2	139.1	120.2	18.88	7.366	
2,800.0	2,792.5	2,816.9	2,809.2	10.0	10.0	146.95	59.3	48.1	138.7	119.1	19.62	7.070	
2,900.0	2,891.6	2,916.9	2,908.3	10.3	10.4	147.21	68.9	38.1	138.3	118.0	20.36	6.796	
3,000.0	2,990.6	3,016.9	3,007.3	10.7	10.8	147.47	78.5	28.0	138.0	116.9	21.10	6.540	
3,100.0	3,089.6	3,116.9	3,106.3	11.1	11.2	147.73	88.2	18.0	137.6	115.7	21.84	6.301	
3,200.0	3,188.6	3,216.9	3,205.3	11.5	11.6	147.99	97.8	8.0	137.2	114.6	22.58	6.078	
3,300.0	3,287.7	3,316.9	3,304.4	11.9	12.0	148.25	107.4	-2.1	136.8	113.5	23.32	5.868	
3,400.0	3,386.7	3,416.9	3,403.4	12.3	12.4	148.51	117.1	-12.1	136.5	112.4	24.06	5.672	
3,500.0	3,485.7	3,516.9	3,502.4	12.7	12.8	148.78	126.7	-22.2	136.1	111.3	24.81	5.487	
3,600.0	3,584.8	3,616.8	3,601.4	13.1	13.2	149.05	136.4	-32.2	135.8	110.2	25.55	5.313	
3,700.0	3,683.8	3,716.8	3,700.5	13.5	13.6	149.31	146.0	-42.2	135.4	109.1	26.29	5.149	
3,800.0	3,782.8	3,816.8	3,799.5	13.9	14.0	149.58	155.6	-52.3	135.0	108.0	27.04	4.994	
3,900.0	3,881.8	3,916.8	3,898.5	14.3	14.4	149.86	165.3	-62.3	134.7	106.9	27.79	4.848	
4,000.0	3,980.9	4,016.8	3,997.5	14.8	14.8	150.13	174.9	-72.4	134.3	105.8	28.53	4.709	
4,100.0	4,079.9	4,116.8	4,096.6	15.2	15.2	150.40	184.5	-82.4	134.0	104.7	29.28	4.577	
4,200.0	4,178.9	4,216.8	4,195.6	15.6	15.6	150.68	194.2	-92.4	133.7	103.6	30.02	4.452	
4,283.5	4,261.6	4,300.4	4,278.3	15.9	16.0	150.91	202.2	-100.8	133.4	102.7	30.64	4.352	
4,300.0	4,277.9	4,316.8	4,294.6	16.0	16.0	150.95	203.8	-102.5	133.3	102.5	30.77	4.332	
4,400.0	4,377.2	4,416.8	4,393.6	16.4	16.4	150.85	213.4	-112.5	131.4	99.9	31.52	4.170	
4,500.0	4,476.7	4,516.7	4,492.5	16.8	16.9	150.15	223.1	-122.6	127.3	95.0	32.27	3.944	
4,600.0	4,576.5	4,616.5	4,591.3	17.1	17.3	148.76	232.7	-132.6	120.9	87.9	33.04	3.660	
4,700.0	4,676.4	4,716.0	4,689.9	17.5	17.7	146.48	242.3	-142.6	112.5	78.6	33.83	3.324	
4,800.0	4,776.4	4,813.3	4,786.4	17.8	18.1	143.35	251.0	-151.6	102.9	68.3	34.65	2.970	
4,816.9	4,793.2	4,829.7	4,802.7	17.9	18.1	99.58	252.3	-153.0	101.3	66.6	34.79	2.913	
4,900.0	4,876.4	4,910.7	4,883.3	18.2	18.4	96.75	258.0	-159.0	94.4	59.0	35.47	2.663	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #242H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,976.4	5,008.6	4,980.8	18.5	18.8	93.74	263.3	-164.5	88.3	52.0	36.26	2.435	
5,100.0	5,076.4	5,106.8	5,078.9	18.9	19.2	91.46	266.9	-168.3	84.3	47.3	37.02	2.277	
5,200.0	5,176.4	5,205.2	5,177.2	19.2	19.5	90.21	268.8	-170.2	82.3	44.6	37.73	2.182	
5,275.2	5,251.5	5,279.5	5,251.5	19.4	19.8	90.02	269.0	-170.5	82.0	43.8	38.23	2.146	
5,300.0	5,276.4	5,304.3	5,276.4	19.5	19.8	90.02	269.0	-170.5	82.0	43.6	38.40	2.136	
5,400.0	5,376.4	5,404.3	5,376.4	19.9	20.2	90.02	269.0	-170.5	82.0	42.9	39.09	2.099	
5,500.0	5,476.4	5,504.3	5,476.4	20.2	20.5	90.02	269.0	-170.5	82.0	42.3	39.78	2.062	
5,600.0	5,576.4	5,604.3	5,576.4	20.6	20.9	90.02	269.0	-170.5	82.0	41.6	40.46	2.027	
5,700.0	5,676.4	5,704.3	5,676.4	20.9	21.2	90.02	269.0	-170.5	82.0	40.9	41.16	1.993	
5,800.0	5,776.4	5,804.3	5,776.4	21.2	21.5	90.02	269.0	-170.5	82.0	40.2	41.85	1.960	
5,900.0	5,876.4	5,904.3	5,876.4	21.6	21.9	90.02	269.0	-170.5	82.0	39.5	42.54	1.928	
6,000.0	5,976.4	6,004.3	5,976.4	21.9	22.2	90.02	269.0	-170.5	82.0	38.8	43.23	1.897	
6,100.0	6,076.4	6,104.3	6,076.4	22.3	22.5	90.02	269.0	-170.5	82.0	38.1	43.93	1.867	
6,200.0	6,176.4	6,204.3	6,176.4	22.6	22.9	90.02	269.0	-170.5	82.0	37.4	44.62	1.838	
6,300.0	6,276.4	6,304.3	6,276.4	23.0	23.2	90.02	269.0	-170.5	82.0	36.7	45.32	1.810	
6,400.0	6,376.4	6,404.3	6,376.4	23.3	23.6	90.02	269.0	-170.5	82.0	36.0	46.01	1.783	
6,500.0	6,476.4	6,504.3	6,476.4	23.7	23.9	90.02	269.0	-170.5	82.0	35.3	46.71	1.756	
6,600.0	6,576.4	6,604.3	6,576.4	24.0	24.3	90.02	269.0	-170.5	82.0	34.6	47.41	1.730	
6,700.0	6,676.4	6,704.3	6,676.4	24.3	24.6	90.02	269.0	-170.5	82.0	33.9	48.10	1.705	
6,800.0	6,776.4	6,804.3	6,776.4	24.7	24.9	90.02	269.0	-170.5	82.0	33.2	48.80	1.681	
6,900.0	6,876.4	6,904.3	6,876.4	25.0	25.3	90.02	269.0	-170.5	82.0	32.5	49.50	1.657	
7,000.0	6,976.4	7,004.3	6,976.4	25.4	25.6	90.02	269.0	-170.5	82.0	31.8	50.20	1.634	
7,100.0	7,076.4	7,104.3	7,076.4	25.7	26.0	90.02	269.0	-170.5	82.0	31.1	50.90	1.612	
7,200.0	7,176.4	7,204.3	7,176.4	26.1	26.3	90.02	269.0	-170.5	82.0	30.4	51.60	1.590	
7,300.0	7,276.4	7,304.3	7,276.4	26.4	26.7	90.02	269.0	-170.5	82.0	29.7	52.30	1.568	
7,400.0	7,376.4	7,404.3	7,376.4	26.8	27.0	90.02	269.0	-170.5	82.0	29.0	53.00	1.548	
7,500.0	7,476.4	7,504.3	7,476.4	27.1	27.4	90.02	269.0	-170.5	82.0	28.3	53.70	1.527	
7,600.0	7,576.4	7,604.3	7,576.4	27.5	27.7	90.02	269.0	-170.5	82.0	27.6	54.41	1.508	
7,700.0	7,676.4	7,704.3	7,676.4	27.8	28.0	90.02	269.0	-170.5	82.0	26.9	55.11	1.488	Level 3
7,800.0	7,776.4	7,804.3	7,776.4	28.2	28.4	90.02	269.0	-170.5	82.0	26.2	55.81	1.470	Level 3
7,900.0	7,876.4	7,904.3	7,876.4	28.5	28.7	90.02	269.0	-170.5	82.0	25.5	56.51	1.451	Level 3
8,000.0	7,976.4	8,004.3	7,976.4	28.9	29.1	90.02	269.0	-170.5	82.0	24.8	57.22	1.434	Level 3
8,100.0	8,076.4	8,104.3	8,076.4	29.2	29.4	90.02	269.0	-170.5	82.0	24.1	57.92	1.416	Level 3
8,200.0	8,176.4	8,204.3	8,176.4	29.6	29.8	90.02	269.0	-170.5	82.0	23.4	58.63	1.399	Level 3
8,300.0	8,276.4	8,304.3	8,276.4	29.9	30.1	90.02	269.0	-170.5	82.0	22.7	59.33	1.383	Level 3
8,400.0	8,376.4	8,404.3	8,376.4	30.3	30.5	90.02	269.0	-170.5	82.0	22.0	60.03	1.366	Level 3
8,500.0	8,476.4	8,504.3	8,476.4	30.6	30.8	90.02	269.0	-170.5	82.0	21.3	60.74	1.350	Level 3
8,600.0	8,576.4	8,604.3	8,576.4	31.0	31.2	90.02	269.0	-170.5	82.0	20.6	61.44	1.335	Level 3
8,700.0	8,676.4	8,704.3	8,676.4	31.3	31.5	90.02	269.0	-170.5	82.0	19.9	62.15	1.320	Level 3
8,800.0	8,776.4	8,804.3	8,776.4	31.7	31.9	90.02	269.0	-170.5	82.0	19.2	62.86	1.305	Level 3
8,900.0	8,876.4	8,904.3	8,876.4	32.0	32.2	90.02	269.0	-170.5	82.0	18.5	63.56	1.291	Level 3
9,000.0	8,976.4	9,004.3	8,976.4	32.4	32.6	90.02	269.0	-170.5	82.0	17.8	64.27	1.276	Level 3
9,100.0	9,076.4	9,104.3	9,076.4	32.7	32.9	90.02	269.0	-170.5	82.0	17.1	64.97	1.262	Level 3
9,200.0	9,176.4	9,204.3	9,176.4	33.1	33.3	90.02	269.0	-170.5	82.0	16.3	65.68	1.249	Level 2
9,300.0	9,276.4	9,304.3	9,276.4	33.4	33.6	90.02	269.0	-170.5	82.0	15.6	66.39	1.236	Level 2
9,400.0	9,376.4	9,404.3	9,376.4	33.8	34.0	90.02	269.0	-170.5	82.0	14.9	67.10	1.223	Level 2
9,500.0	9,476.4	9,504.3	9,476.4	34.2	34.3	90.02	269.0	-170.5	82.0	14.2	67.80	1.210	Level 2
9,600.0	9,576.4	9,604.3	9,576.4	34.5	34.7	90.02	269.0	-170.5	82.0	13.5	68.51	1.197	Level 2
9,700.0	9,676.4	9,704.3	9,676.4	34.9	35.0	90.02	269.0	-170.5	82.0	12.8	69.22	1.185	Level 2
9,800.0	9,776.4	9,804.3	9,776.4	35.2	35.4	90.02	269.0	-170.5	82.0	12.1	69.93	1.173	Level 2
9,900.0	9,876.4	9,904.3	9,876.4	35.6	35.7	90.02	269.0	-170.5	82.0	11.4	70.63	1.161	Level 2
10,000.0	9,976.4	10,004.3	9,976.4	35.9	36.1	90.02	269.0	-170.5	82.0	10.7	71.34	1.150	Level 2

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,029.6	10,006.0	10,033.9	10,006.0	36.0	36.2	90.02	269.0	-170.5	82.0	10.5	71.55	1.146	Level 2, CC
10,050.0	10,026.4	10,054.3	10,026.4	36.1	36.3	-107.52	269.0	-170.5	82.1	10.4	71.70	1.146	Level 2, ES, SF
10,100.0	10,076.2	10,104.1	10,076.2	36.2	36.4	-109.98	269.0	-170.5	83.4	11.3	72.08	1.157	Level 2
10,150.0	10,125.5	10,153.4	10,125.5	36.4	36.6	-114.78	269.0	-170.5	86.6	14.1	72.49	1.195	Level 2
10,200.0	10,173.9	10,201.8	10,173.9	36.5	36.8	-121.15	269.0	-170.5	92.7	19.7	72.93	1.271	Level 3
10,250.0	10,221.0	10,248.9	10,221.0	36.7	36.9	-128.09	269.0	-170.5	102.6	29.2	73.35	1.398	Level 3
10,300.0	10,266.4	10,305.6	10,266.4	36.8	37.1	-134.69	269.0	-170.5	117.1	43.3	73.78	1.587	
10,350.0	10,309.9	10,337.9	10,309.9	36.9	37.2	-140.39	269.0	-170.5	136.4	62.3	74.08	1.841	
10,400.0	10,351.1	10,379.1	10,351.1	37.0	37.4	-144.97	269.0	-170.5	160.4	86.0	74.36	2.157	
10,450.0	10,389.7	10,417.6	10,389.7	37.1	37.5	-148.46	269.0	-170.5	188.8	114.2	74.61	2.531	
10,500.0	10,425.3	10,453.2	10,425.3	37.2	37.7	-150.94	269.0	-170.5	221.2	146.4	74.82	2.956	
10,550.0	10,457.7	10,485.7	10,457.7	37.3	37.8	-152.53	269.0	-170.5	257.1	182.1	75.00	3.428	
10,600.0	10,486.7	10,514.7	10,486.7	37.3	37.9	-153.25	269.0	-170.5	296.1	221.0	75.15	3.940	
10,650.0	10,512.1	10,540.0	10,512.1	37.4	38.0	-153.06	269.0	-170.5	337.9	262.6	75.28	4.488	
10,700.0	10,533.6	10,561.5	10,533.6	37.5	38.0	-151.76	269.0	-170.5	381.9	306.5	75.39	5.066	
10,750.0	10,551.0	10,579.0	10,551.0	37.6	38.1	-148.88	269.0	-170.5	427.9	352.4	75.47	5.669	
10,800.0	10,564.4	10,607.7	10,564.4	37.8	38.2	-143.32	269.0	-170.5	475.3	399.7	75.58	6.289	
10,850.0	10,573.4	10,601.4	10,573.4	37.9	38.2	-132.49	269.0	-170.5	523.8	448.3	75.56	6.933	
10,900.0	10,578.2	10,606.1	10,578.2	38.1	38.2	-110.54	269.0	-170.5	573.1	497.5	75.58	7.583	
10,929.6	10,579.0	10,606.9	10,579.0	38.2	38.2	-90.00	269.0	-170.5	602.4	526.9	75.58	7.971	
11,000.0	10,579.0	10,606.9	10,579.0	38.4	38.2	-90.00	269.0	-170.5	672.2	596.6	75.57	8.895	
11,100.0	10,579.0	10,606.9	10,579.0	38.8	38.2	-90.00	269.0	-170.5	771.1	695.5	75.56	10.204	
11,200.0	10,579.0	10,606.9	10,579.0	39.2	38.2	-90.00	269.0	-170.5	869.8	794.2	75.56	11.511	
11,300.0	10,579.0	10,606.9	10,579.0	39.7	38.2	-90.00	269.0	-170.5	968.2	892.6	75.55	12.815	
11,400.0	10,579.0	10,606.9	10,579.0	40.3	38.2	-90.00	269.0	-170.5	1,066.3	990.8	75.55	14.114	
11,500.0	10,579.0	10,606.9	10,579.0	40.9	38.2	-90.00	269.0	-170.5	1,164.1	1,088.6	75.55	15.410	
11,600.0	10,579.0	10,606.9	10,579.0	41.5	38.2	-90.00	269.0	-170.5	1,261.6	1,186.1	75.55	16.700	
11,700.0	10,579.0	10,606.9	10,579.0	42.2	38.2	-90.00	269.0	-170.5	1,358.7	1,283.1	75.54	17.985	
11,800.0	10,579.0	10,606.9	10,579.0	42.9	38.2	-90.00	269.0	-170.5	1,455.3	1,379.8	75.55	19.264	
11,814.4	10,579.0	10,606.9	10,579.0	43.0	38.2	-90.00	269.0	-170.5	1,469.3	1,393.7	75.55	19.449	
11,900.0	10,579.0	10,606.9	10,579.0	43.6	38.2	-90.00	269.0	-170.5	1,551.9	1,476.3	75.55	20.541	
12,000.0	10,579.0	10,606.9	10,579.0	44.4	38.2	-90.00	269.0	-170.5	1,648.8	1,573.3	75.56	21.823	
12,100.0	10,579.0	10,606.9	10,579.0	45.3	38.2	-90.00	269.0	-170.5	1,746.1	1,670.6	75.56	23.108	
12,200.0	10,579.0	10,606.9	10,579.0	46.1	38.2	-90.00	269.0	-170.5	1,843.7	1,768.1	75.57	24.396	
12,300.0	10,579.0	10,606.9	10,579.0	47.1	38.2	-90.00	269.0	-170.5	1,941.6	1,866.0	75.59	25.687	
12,400.0	10,579.0	10,606.9	10,579.0	48.0	38.2	-90.00	269.0	-170.5	2,039.6	1,964.0	75.60	26.979	
12,500.0	10,579.0	10,606.9	10,579.0	49.0	38.2	-90.00	269.0	-170.5	2,137.8	2,062.2	75.62	28.272	
12,600.0	10,579.0	10,606.9	10,579.0	50.1	38.2	-90.00	269.0	-170.5	2,236.2	2,160.6	75.63	29.567	
12,700.0	10,579.0	10,606.9	10,579.0	51.1	38.2	-90.00	269.0	-170.5	2,334.7	2,259.1	75.65	30.862	
12,800.0	10,579.0	10,606.9	10,579.0	52.2	38.2	-90.00	269.0	-170.5	2,433.4	2,357.7	75.67	32.157	
12,900.0	10,579.0	10,606.9	10,579.0	53.4	38.2	-90.00	269.0	-170.5	2,532.1	2,456.4	75.69	33.453	
13,000.0	10,579.0	10,606.9	10,579.0	54.5	38.2	-90.00	269.0	-170.5	2,631.0	2,555.2	75.71	34.748	
13,100.0	10,579.0	10,606.9	10,579.0	55.7	38.2	-90.00	269.0	-170.5	2,729.9	2,654.1	75.74	36.044	
13,200.0	10,579.0	10,606.9	10,579.0	56.9	38.2	-90.00	269.0	-170.5	2,828.9	2,753.1	75.76	37.338	
13,300.0	10,579.0	10,606.9	10,579.0	58.1	38.2	-90.00	269.0	-170.5	2,928.0	2,852.2	75.79	38.633	
13,400.0	10,579.0	16,344.2	13,558.0	59.4	66.0	-173.69	-2,732.9	-211.8	2,997.2	2,934.5	62.65	47.841	
13,500.0	10,579.0	16,444.2	13,558.0	60.6	67.2	-173.69	-2,832.9	-211.1	2,997.2	2,933.3	63.89	46.914	
13,600.0	10,579.0	16,544.2	13,558.0	61.9	68.3	-173.69	-2,932.9	-210.4	2,997.2	2,932.0	65.14	46.012	
13,700.0	10,579.0	16,644.2	13,558.0	63.2	69.5	-173.69	-3,032.9	-209.8	2,997.2	2,930.8	66.41	45.133	
13,800.0	10,579.0	16,744.2	13,558.0	64.5	70.7	-173.69	-3,132.9	-209.1	2,997.2	2,929.5	67.69	44.279	
13,900.0	10,579.0	16,844.2	13,558.0	65.9	71.9	-173.69	-3,232.9	-208.4	2,997.2	2,928.2	68.98	43.448	
14,000.0	10,579.0	16,944.2	13,558.0	67.2	73.1	-173.69	-3,332.9	-207.7	2,997.2	2,926.9	70.29	42.640	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #242H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	10,579.0	17,044.2	13,558.0	68.6	74.4	-173.69	-3,432.9	-207.0	2,997.2	2,925.6	71.61	41.855	
14,200.0	10,579.0	17,144.2	13,558.0	70.0	75.6	-173.69	-3,532.9	-206.3	2,997.2	2,924.2	72.94	41.092	
14,300.0	10,579.0	17,244.2	13,558.0	71.3	76.9	-173.69	-3,632.9	-205.6	2,997.2	2,922.9	74.28	40.351	
14,400.0	10,579.0	17,344.2	13,558.0	72.7	78.2	-173.69	-3,732.9	-204.9	2,997.2	2,921.6	75.63	39.631	
14,500.0	10,579.0	17,444.2	13,558.0	74.1	79.5	-173.69	-3,832.9	-204.2	2,997.2	2,920.2	76.99	38.932	
14,600.0	10,579.0	17,544.2	13,558.0	75.6	80.8	-173.69	-3,932.9	-203.5	2,997.2	2,918.8	78.35	38.252	
14,700.0	10,579.0	17,644.2	13,558.0	77.0	82.2	-173.69	-4,032.9	-202.8	2,997.2	2,917.5	79.73	37.592	
14,800.0	10,579.0	17,744.2	13,558.0	78.4	83.5	-173.69	-4,132.9	-202.1	2,997.2	2,916.1	81.11	36.950	
14,900.0	10,579.0	17,844.2	13,558.0	79.9	84.8	-173.68	-4,232.9	-201.4	2,997.2	2,914.7	82.51	36.327	
15,000.0	10,579.0	17,944.2	13,558.0	81.3	86.2	-173.68	-4,332.9	-200.7	2,997.2	2,913.3	83.90	35.721	
15,100.0	10,579.0	18,044.2	13,558.0	82.8	87.6	-173.68	-4,432.9	-200.0	2,997.2	2,911.9	85.31	35.132	
15,200.0	10,579.0	18,144.2	13,558.0	84.2	89.0	-173.68	-4,532.9	-199.3	2,997.2	2,910.5	86.72	34.560	
15,300.0	10,579.0	18,244.2	13,558.0	85.7	90.3	-173.68	-4,632.9	-198.6	2,997.2	2,909.0	88.14	34.004	
15,400.0	10,579.0	18,344.2	13,558.0	87.2	91.7	-173.68	-4,732.9	-197.9	2,997.2	2,907.6	89.57	33.463	
15,500.0	10,579.0	18,444.2	13,558.0	88.7	93.1	-173.68	-4,832.9	-197.2	2,997.2	2,906.2	91.00	32.937	
15,600.0	10,579.0	18,544.2	13,558.0	90.2	94.6	-173.68	-4,932.9	-196.5	2,997.2	2,904.8	92.43	32.425	
15,700.0	10,579.0	18,644.2	13,558.0	91.7	96.0	-173.68	-5,032.9	-195.8	2,997.2	2,903.3	93.88	31.927	
15,800.0	10,579.0	18,744.2	13,558.0	93.2	97.4	-173.68	-5,132.9	-195.1	2,997.2	2,901.9	95.32	31.443	
15,900.0	10,579.0	18,844.2	13,558.0	94.7	98.8	-173.68	-5,232.9	-194.4	2,997.2	2,900.4	96.77	30.971	
16,000.0	10,579.0	18,944.2	13,558.0	96.2	100.3	-173.68	-5,332.9	-193.7	2,997.2	2,899.0	98.23	30.512	
16,100.0	10,579.0	19,044.2	13,558.0	97.7	101.7	-173.68	-5,432.8	-193.1	2,997.2	2,897.5	99.69	30.065	
16,200.0	10,579.0	19,144.2	13,558.0	99.2	103.2	-173.68	-5,532.8	-192.4	2,997.2	2,896.0	101.15	29.630	
16,300.0	10,579.0	19,244.2	13,558.0	100.7	104.6	-173.68	-5,632.8	-191.7	2,997.2	2,894.6	102.62	29.206	
16,400.0	10,579.0	19,344.2	13,558.0	102.3	106.1	-173.68	-5,732.8	-191.0	2,997.2	2,893.1	104.09	28.793	
16,500.0	10,579.0	19,444.2	13,558.0	103.8	107.6	-173.68	-5,832.8	-190.3	2,997.2	2,891.6	105.57	28.390	
16,600.0	10,579.0	19,544.2	13,558.0	105.3	109.1	-173.68	-5,932.8	-189.6	2,997.2	2,890.1	107.05	27.998	
16,700.0	10,579.0	19,644.2	13,558.0	106.9	110.5	-173.68	-6,032.8	-188.9	2,997.2	2,888.7	108.53	27.616	
16,800.0	10,579.0	19,744.2	13,558.0	108.4	112.0	-173.68	-6,132.8	-188.2	2,997.2	2,887.2	110.02	27.243	
16,900.0	10,579.0	19,844.2	13,558.0	110.0	113.5	-173.68	-6,232.8	-187.5	2,997.2	2,885.7	111.51	26.879	
17,000.0	10,579.0	19,944.2	13,558.0	111.5	115.0	-173.68	-6,332.8	-186.8	2,997.2	2,884.2	113.00	26.524	
17,100.0	10,579.0	20,044.2	13,558.0	113.1	116.5	-173.68	-6,432.8	-186.1	2,997.2	2,882.7	114.50	26.177	
17,200.0	10,579.0	20,144.2	13,558.0	114.6	118.0	-173.68	-6,532.8	-185.4	2,997.2	2,881.2	115.99	25.839	
17,300.0	10,579.0	20,244.2	13,558.0	116.2	119.5	-173.68	-6,632.8	-184.7	2,997.2	2,879.7	117.49	25.509	
17,400.0	10,579.0	20,344.2	13,558.0	117.7	121.0	-173.68	-6,732.8	-184.0	2,997.2	2,878.2	119.00	25.187	
17,500.0	10,579.0	20,444.2	13,558.0	119.3	122.5	-173.68	-6,832.8	-183.3	2,997.2	2,876.7	120.50	24.872	
17,600.0	10,579.0	20,544.2	13,558.0	120.9	124.1	-173.68	-6,932.8	-182.6	2,997.2	2,875.2	122.01	24.565	
17,700.0	10,579.0	20,644.2	13,558.0	122.4	125.6	-173.68	-7,032.8	-181.9	2,997.2	2,873.7	123.52	24.265	
17,800.0	10,579.0	20,744.2	13,558.0	124.0	127.1	-173.68	-7,132.8	-181.2	2,997.2	2,872.2	125.03	23.971	
17,900.0	10,579.0	20,844.2	13,558.0	125.6	128.6	-173.68	-7,232.8	-180.5	2,997.2	2,870.7	126.55	23.684	
18,000.0	10,579.0	20,944.2	13,558.0	127.2	130.2	-173.68	-7,332.8	-179.8	2,997.2	2,869.1	128.07	23.404	
18,100.0	10,579.0	21,044.2	13,558.0	128.7	131.7	-173.68	-7,432.8	-179.1	2,997.2	2,867.6	129.58	23.129	
18,200.0	10,579.0	21,144.2	13,558.0	130.3	133.2	-173.68	-7,532.8	-178.4	2,997.2	2,866.1	131.11	22.861	
18,300.0	10,579.0	21,244.2	13,558.0	131.9	134.8	-173.68	-7,632.8	-177.7	2,997.2	2,864.6	132.63	22.599	
18,400.0	10,579.0	21,344.2	13,558.0	133.5	136.3	-173.68	-7,732.8	-177.0	2,997.2	2,863.1	134.15	22.342	
18,500.0	10,579.0	21,444.2	13,558.0	135.1	137.8	-173.68	-7,832.8	-176.4	2,997.2	2,861.5	135.68	22.090	
18,600.0	10,579.0	21,544.2	13,558.0	136.6	139.4	-173.68	-7,932.8	-175.7	2,997.2	2,860.0	137.21	21.844	
18,700.0	10,579.0	21,644.2	13,558.0	138.2	140.9	-173.68	-8,032.8	-175.0	2,997.2	2,858.5	138.74	21.604	
18,800.0	10,579.0	21,744.2	13,558.0	139.8	142.5	-173.68	-8,132.8	-174.3	2,997.2	2,856.9	140.27	21.368	
18,900.0	10,579.0	21,844.2	13,558.0	141.4	144.0	-173.68	-8,232.8	-173.6	2,997.2	2,855.4	141.80	21.137	
19,000.0	10,579.0	21,944.2	13,558.0	143.0	145.6	-173.68	-8,332.8	-172.9	2,997.2	2,853.9	143.33	20.911	
19,100.0	10,579.0	22,044.2	13,558.0	144.6	147.1	-173.68	-8,432.8	-172.2	2,997.2	2,852.3	144.87	20.689	
19,200.0	10,579.0	22,144.2	13,558.0	146.2	148.7	-173.68	-8,532.8	-171.5	2,997.2	2,850.8	146.41	20.472	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Offset Design Voni - Voni Fed Com #242H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

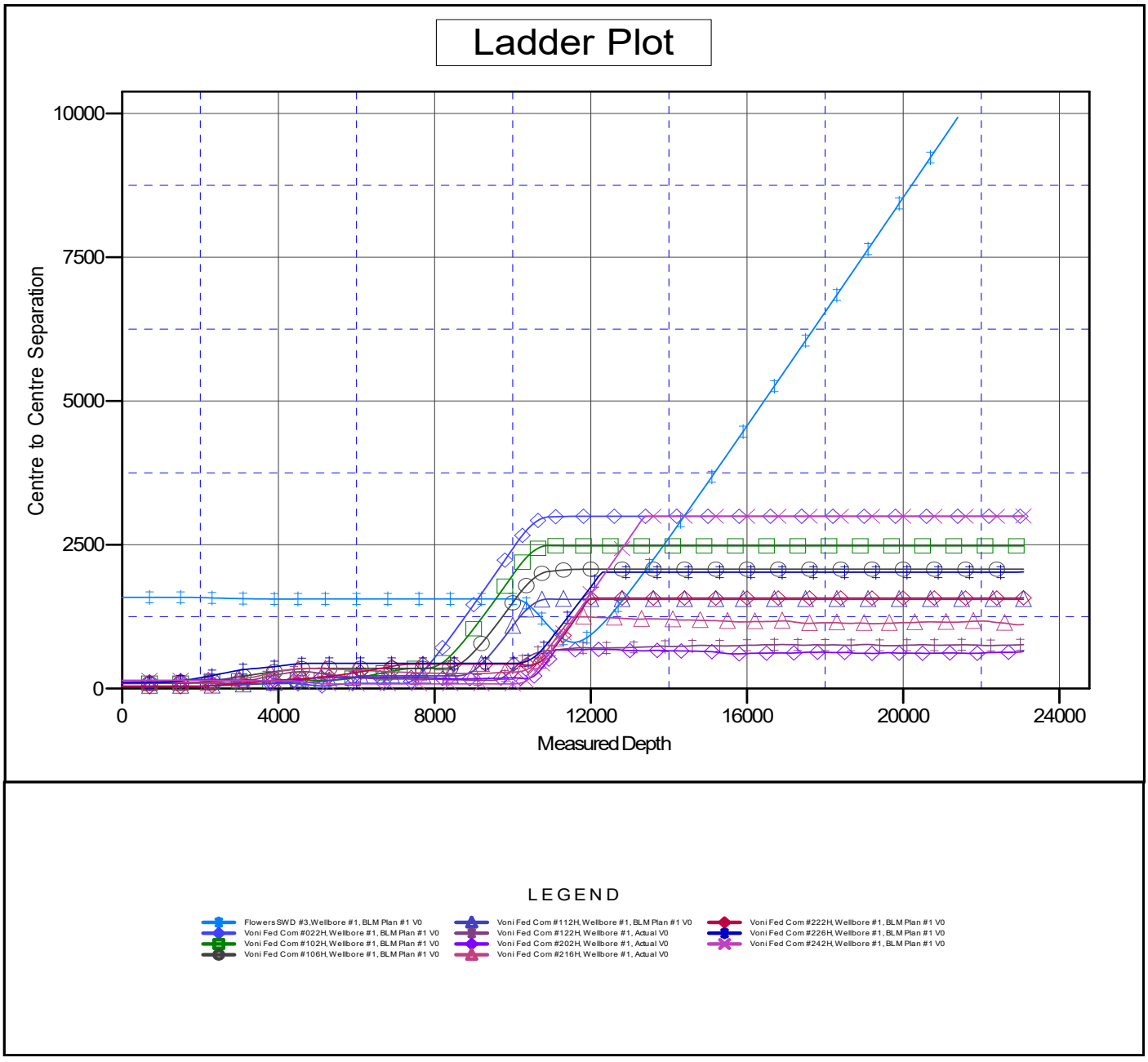
Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.0	10,579.0	22,244.2	13,558.0	147.8	150.3	-173.68	-8,632.8	-170.8	2,997.2	2,849.3	147.95	20.259	
19,400.0	10,579.0	22,344.2	13,558.0	149.4	151.8	-173.68	-8,732.8	-170.1	2,997.2	2,847.7	149.49	20.050	
19,500.0	10,579.0	22,444.2	13,558.0	151.0	153.4	-173.68	-8,832.8	-169.4	2,997.2	2,846.2	151.03	19.846	
19,600.0	10,579.0	22,544.2	13,558.0	152.6	155.0	-173.68	-8,932.8	-168.7	2,997.2	2,844.6	152.57	19.645	
19,700.0	10,579.0	22,644.2	13,558.0	154.2	156.5	-173.68	-9,032.8	-168.0	2,997.2	2,843.1	154.11	19.448	
19,800.0	10,579.0	22,744.2	13,558.0	155.8	158.1	-173.68	-9,132.8	-167.3	2,997.2	2,841.6	155.66	19.255	
19,900.0	10,579.0	22,844.2	13,558.0	157.4	159.7	-173.68	-9,232.8	-166.6	2,997.2	2,840.0	157.20	19.066	
20,000.0	10,579.0	22,944.2	13,558.0	159.0	161.2	-173.68	-9,332.8	-165.9	2,997.2	2,838.5	158.75	18.880	
20,100.0	10,579.0	23,044.2	13,558.0	160.6	162.8	-173.68	-9,432.8	-165.2	2,997.2	2,836.9	160.30	18.698	
20,200.0	10,579.0	23,144.2	13,558.0	162.2	164.4	-173.68	-9,532.7	-164.5	2,997.2	2,835.4	161.85	18.519	
20,300.0	10,579.0	23,244.2	13,558.0	163.8	166.0	-173.68	-9,632.7	-163.8	2,997.2	2,833.8	163.40	18.343	
20,400.0	10,579.0	23,344.2	13,558.0	165.4	167.5	-173.68	-9,732.7	-163.1	2,997.2	2,832.3	164.95	18.171	
20,500.0	10,579.0	23,444.2	13,558.0	167.0	169.1	-173.68	-9,832.7	-162.4	2,997.2	2,830.7	166.50	18.001	
20,600.0	10,579.0	23,544.2	13,558.0	168.6	170.7	-173.68	-9,932.7	-161.7	2,997.2	2,829.2	168.05	17.835	
20,700.0	10,579.0	23,644.2	13,558.0	170.2	172.3	-173.68	-10,032.7	-161.0	2,997.2	2,827.6	169.61	17.672	
20,800.0	10,579.0	23,744.2	13,558.0	171.8	173.9	-173.68	-10,132.7	-160.4	2,997.2	2,826.1	171.16	17.511	
20,900.0	10,579.0	23,844.2	13,558.0	173.4	175.4	-173.68	-10,232.7	-159.7	2,997.2	2,824.5	172.72	17.353	
21,000.0	10,579.0	23,944.2	13,558.0	175.1	177.0	-173.68	-10,332.7	-159.0	2,997.2	2,822.9	174.27	17.199	
21,100.0	10,579.0	24,044.2	13,558.0	176.7	178.6	-173.68	-10,432.7	-158.3	2,997.2	2,821.4	175.83	17.046	
21,200.0	10,579.0	24,144.2	13,558.0	178.3	180.2	-173.68	-10,532.7	-157.6	2,997.2	2,819.8	177.39	16.897	
21,300.0	10,579.0	24,244.2	13,558.0	179.9	181.8	-173.68	-10,632.7	-156.9	2,997.2	2,818.3	178.95	16.749	
21,400.0	10,579.0	24,344.2	13,558.0	181.5	183.4	-173.68	-10,732.7	-156.2	2,997.2	2,816.7	180.50	16.605	
21,500.0	10,579.0	24,444.2	13,558.0	183.1	185.0	-173.68	-10,832.7	-155.5	2,997.2	2,815.2	182.06	16.462	
21,600.0	10,579.0	24,544.2	13,558.0	184.7	186.6	-173.68	-10,932.7	-154.8	2,997.2	2,813.6	183.63	16.322	
21,700.0	10,579.0	24,644.2	13,558.0	186.4	188.2	-173.68	-11,032.7	-154.1	2,997.2	2,812.0	185.19	16.185	
21,800.0	10,579.0	24,744.2	13,558.0	188.0	189.8	-173.68	-11,132.7	-153.4	2,997.2	2,810.5	186.75	16.049	
21,900.0	10,579.0	24,844.2	13,558.0	189.6	191.3	-173.68	-11,232.7	-152.7	2,997.2	2,808.9	188.31	15.916	
22,000.0	10,579.0	24,944.2	13,558.0	191.2	192.9	-173.68	-11,332.7	-152.0	2,997.2	2,807.3	189.88	15.785	
22,100.0	10,579.0	25,044.2	13,558.0	192.8	194.5	-173.68	-11,432.7	-151.3	2,997.2	2,805.8	191.44	15.656	
22,200.0	10,579.0	25,144.2	13,558.0	194.5	196.1	-173.68	-11,532.7	-150.6	2,997.2	2,804.2	193.00	15.529	
22,300.0	10,579.0	25,244.2	13,558.0	196.1	197.7	-173.68	-11,632.7	-149.9	2,997.2	2,802.7	194.57	15.404	
22,400.0	10,579.0	25,344.2	13,558.0	197.7	199.3	-173.68	-11,732.7	-149.2	2,997.2	2,801.1	196.14	15.281	
22,500.0	10,579.0	25,444.2	13,558.0	199.3	200.9	-173.68	-11,832.7	-148.5	2,997.2	2,799.5	197.70	15.160	
22,600.0	10,579.0	25,544.2	13,558.0	200.9	202.5	-173.68	-11,932.7	-147.8	2,997.2	2,798.0	199.27	15.041	
22,700.0	10,579.0	25,644.2	13,558.0	202.6	204.1	-173.68	-12,032.7	-147.1	2,997.2	2,796.4	200.84	14.924	
22,800.0	10,579.0	25,744.2	13,558.0	204.2	205.7	-173.68	-12,132.7	-146.4	2,997.2	2,794.8	202.40	14.808	
22,900.0	10,579.0	25,844.2	13,558.0	205.8	207.3	-173.68	-12,232.7	-145.7	2,997.2	2,793.3	203.97	14.694	
22,902.2	10,579.0	25,846.4	13,558.0	205.8	207.4	-173.68	-12,234.9	-145.7	2,997.2	2,793.2	204.01	14.692	
23,000.0	10,579.0	25,884.8	13,558.0	207.4	208.0	-173.68	-12,273.3	-145.5	2,997.8	2,793.0	204.79	14.639	
23,081.2	10,579.0	25,884.8	13,558.0	208.8	208.0	-173.68	-12,273.3	-145.5	3,000.5	2,795.6	204.93	14.642	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3214.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W
Coordinates are relative to: Voni Fed Com #132H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.29°



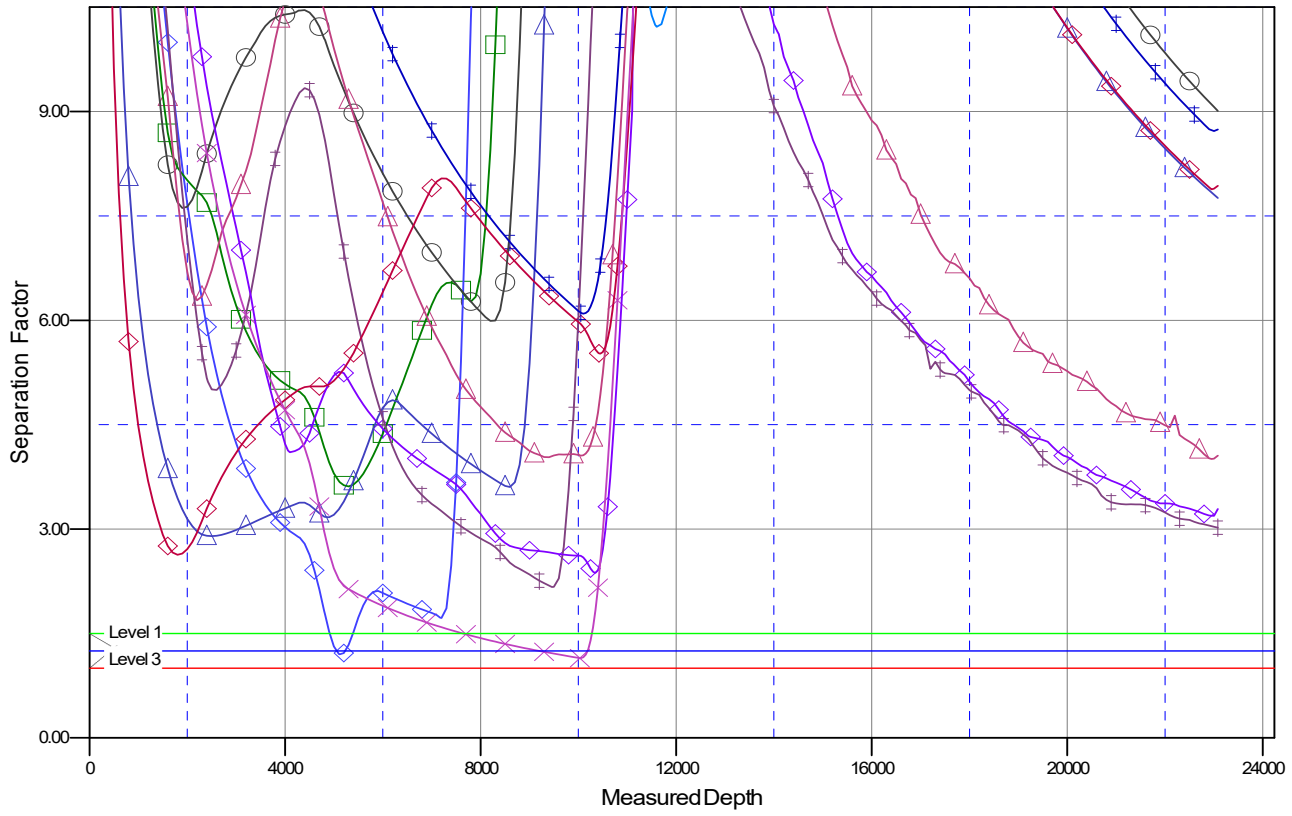
Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3214.5usft
Reference Site:	Voni	**MD Reference:**	KB @ 3214.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Voni Fed Com #132H	**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 Single User Db
Reference Design:	BLM Plan #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3214.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Voni Fed Com #132H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.29°

Separation Factor Plot



LEGEND

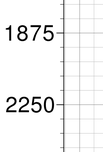
Flowers SWD #3, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #022H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #102H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #106H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #112H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #122H, Wellbore #1, Actual V0
Voni Fed Com #202H, Wellbore #1, Actual V0
Voni Fed Com #216H, Wellbore #1, Actual V0
Voni Fed Com #222H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #226H, Wellbore #1, BLM Plan #1 V0
Voni Fed Com #242H, Wellbore #1, BLM Plan #1 V0

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

Company: Matador Production Company
Well: Voni Fed Com #132H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #2
Date: 2/24/2021

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.35°
To convert a Magnetic Direction to a True Direction, Add 6.64° East
To convert a True Direction to a Grid Direction, Subtract 0.29°



Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.35°

Magnetic Field
Strength: 47427.0snT
Dip Angle: 59.81°
Date: 2/24/2021
Model: IGRF2015

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.0	23081.2	BLM Plan #2 (Wellbore #1)	MWD

WELL DETAILS: Voni Fed Com #132H

GL @ 3186.0 KB @ 3214.5usft

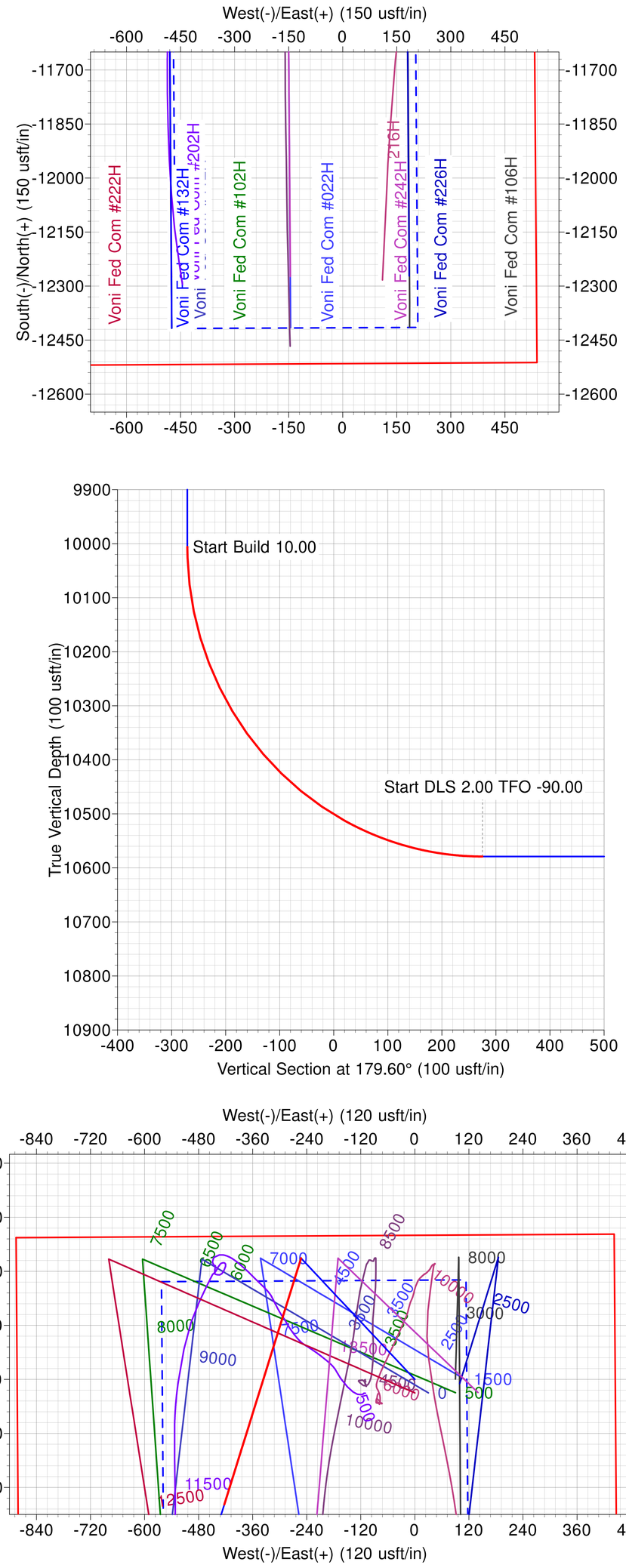
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	376692.95	670164.48	32° 2' 4.036 N	103° 47' 3.136 W	

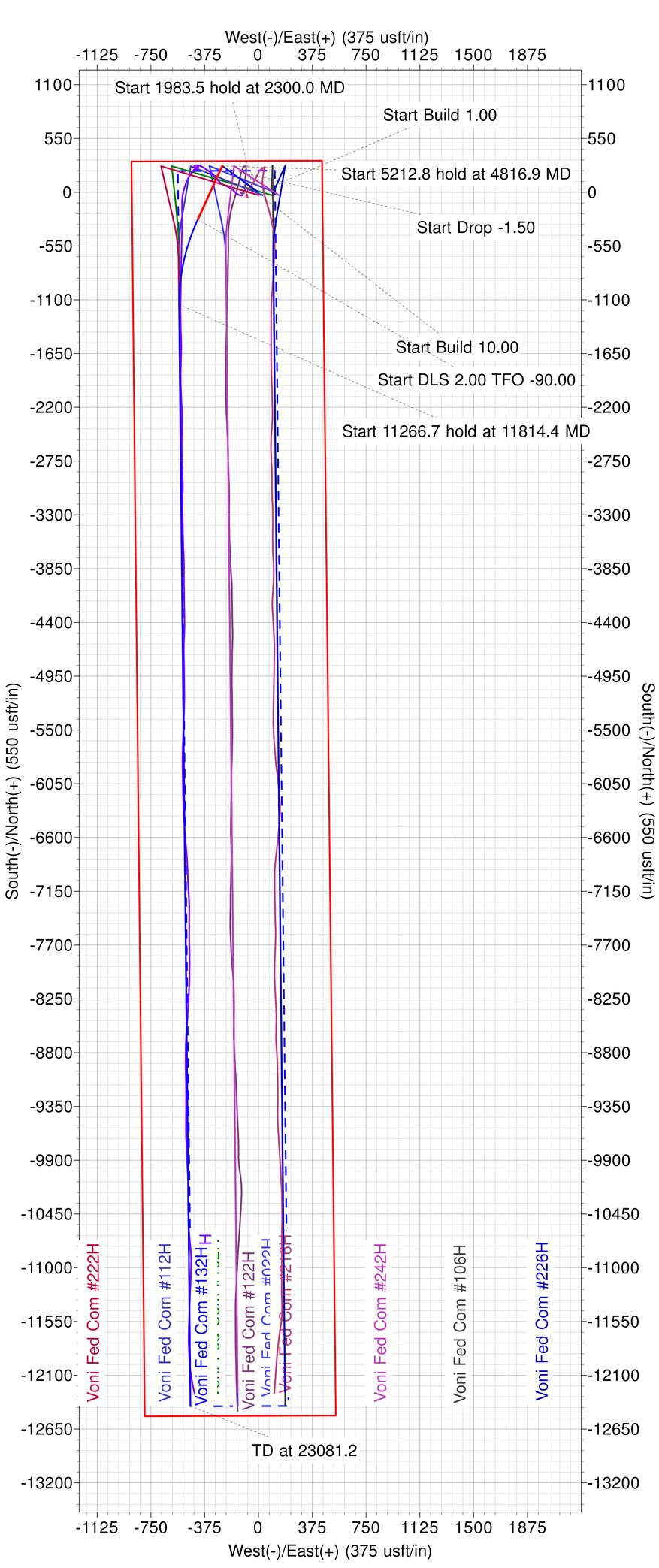
DESIGN TARGET DETAILS

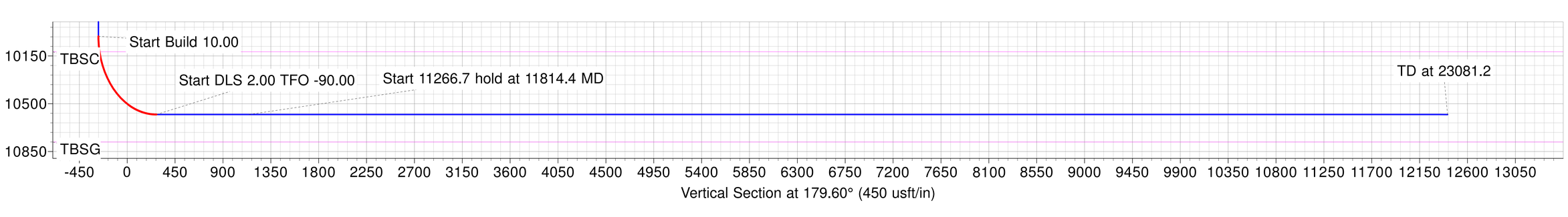
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Voni Fed Com #132H	10006.0	269.1	-252.5	376962.00	669912.00	32° 2' 6.711 N	103° 47' 6.053 W
BHL - Voni Fed Com #132H	10579.0	-12416.2	-474.5	364275.77	669689.96	32° 0' 1.176 N	103° 47' 9.379 W

SECTION DETIALS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
2300.0	8.00	316.82	2297.4	40.7	-38.2	1.00	316.82	-40.9	Start 1983.5 hold at 2300.0 MD
4283.5	8.00	316.82	4261.6	242.0	-227.1	0.00	0.00	-243.5	Start Drop -1.50
4816.9	0.00	0.00	4793.2	269.1	-252.5	1.50	180.00	-270.8	Start 5212.8 hold at 4816.9 MD
10029.6	0.00	0.00	10006.0	269.1	-252.5	0.00	0.00	-270.8	Start Build 10.00
10929.6	90.00	197.30	10579.0	-278.0	-422.9	10.00	197.30	275.0	Start DLS 2.00 TFO -90.00
11814.4	90.00	179.60	10579.0	-1149.7	-552.4	2.00	-90.00	1145.8	Start 11266.7 hold at 11814.4 MD
23081.2	90.00	179.60	10579.0	-12416.2	-474.5	0.00	0.00	12412.6	TD at 23081.2







Matador Production Company

Rustler Breaks
Voni
Voni Fed Com #132H

Wellbore #1

Plan: BLM Plan #2

Standard Planning Report

24 February, 2021

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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 Voni

Site Position:		**Northing:**	376,651.72 usft	**Latitude:**	32° 2' 3.721 N
From:	Lat/Long	**Easting:**	668,298.64 usft	**Longitude:**	103° 47' 24.814 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.29 °

Well Voni Fed Com #132H

Well Position	**+N/-S**	41.2 usft	**Northing:**	376,692.95 usft	**Latitude:**	32° 2' 4.036 N
	+E/-W	1,866.0 usft	**Easting:**	670,164.49 usft	**Longitude:**	103° 47' 3.136 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,186.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/24/2021	6.64	59.81	47,427.00447217

Design BLM Plan #2

Audit Notes:

Version:	1	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.60

Plan Survey Tool Program **Date** 2/24/2021

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	23,081.2	BLM Plan #2 (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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,300.0	8.00	316.82	2,297.4	40.7	-38.2	1.00	1.00	0.00	316.82	
4,283.5	8.00	316.82	4,261.6	242.0	-227.1	0.00	0.00	0.00	0.00	
4,816.9	0.00	0.00	4,793.2	269.1	-252.5	1.50	-1.50	0.00	180.00	
10,029.6	0.00	0.00	10,006.0	269.1	-252.5	0.00	0.00	0.00	0.00	VP - Voni Fed Com #'
10,929.6	90.00	197.30	10,579.0	-278.0	-422.9	10.00	10.00	0.00	197.30	
11,814.4	90.00	179.60	10,579.0	-1,149.7	-552.4	2.00	0.00	-2.00	-90.00	
23,081.2	90.00	179.60	10,579.0	-12,416.2	-474.5	0.00	0.00	0.00	0.00	BHL - Voni Fed Com ;

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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
788.8	0.00	0.00	788.8	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
1,536.7	0.37	316.82	1,536.7	0.1	-0.1	-0.1	1.00	1.00	0.00
Salado (Top Salt)									
1,600.0	1.00	316.82	1,600.0	0.6	-0.6	-0.6	1.00	1.00	0.00
1,700.0	2.00	316.82	1,700.0	2.5	-2.4	-2.6	1.00	1.00	0.00
1,800.0	3.00	316.82	1,799.9	5.7	-5.4	-5.8	1.00	1.00	0.00
1,900.0	4.00	316.82	1,899.7	10.2	-9.6	-10.2	1.00	1.00	0.00
2,000.0	5.00	316.82	1,999.4	15.9	-14.9	-16.0	1.00	1.00	0.00
2,100.0	6.00	316.82	2,098.9	22.9	-21.5	-23.0	1.00	1.00	0.00
2,200.0	7.00	316.82	2,198.3	31.1	-29.2	-31.3	1.00	1.00	0.00
2,300.0	8.00	316.82	2,297.4	40.7	-38.2	-40.9	1.00	1.00	0.00
Start 1983.5 hold at 2300.0 MD									
2,400.0	8.00	316.82	2,396.4	50.8	-47.7	-51.1	0.00	0.00	0.00
2,500.0	8.00	316.82	2,495.5	61.0	-57.2	-61.4	0.00	0.00	0.00
2,600.0	8.00	316.82	2,594.5	71.1	-66.7	-71.6	0.00	0.00	0.00
2,700.0	8.00	316.82	2,693.5	81.3	-76.3	-81.8	0.00	0.00	0.00
2,800.0	8.00	316.82	2,792.5	91.4	-85.8	-92.0	0.00	0.00	0.00
2,900.0	8.00	316.82	2,891.6	101.6	-95.3	-102.2	0.00	0.00	0.00
3,000.0	8.00	316.82	2,990.6	111.7	-104.8	-112.4	0.00	0.00	0.00
3,100.0	8.00	316.82	3,089.6	121.8	-114.3	-122.6	0.00	0.00	0.00
3,200.0	8.00	316.82	3,188.6	132.0	-123.9	-132.9	0.00	0.00	0.00
3,300.0	8.00	316.82	3,287.7	142.1	-133.4	-143.1	0.00	0.00	0.00
3,400.0	8.00	316.82	3,386.7	152.3	-142.9	-153.3	0.00	0.00	0.00
3,500.0	8.00	316.82	3,485.7	162.4	-152.4	-163.5	0.00	0.00	0.00
3,600.0	8.00	316.82	3,584.8	172.6	-162.0	-173.7	0.00	0.00	0.00
3,700.0	8.00	316.82	3,683.8	182.7	-171.5	-183.9	0.00	0.00	0.00
3,800.0	8.00	316.82	3,782.8	192.9	-181.0	-194.1	0.00	0.00	0.00
3,900.0	8.00	316.82	3,881.8	203.0	-190.5	-204.4	0.00	0.00	0.00
4,000.0	8.00	316.82	3,980.9	213.2	-200.1	-214.6	0.00	0.00	0.00
4,012.1	8.00	316.82	3,992.9	214.4	-201.2	-215.8	0.00	0.00	0.00
Base Salt									
4,042.1	8.00	316.82	4,022.6	217.5	-204.1	-218.9	0.00	0.00	0.00
Bell Canyon									
4,100.0	8.00	316.82	4,079.9	223.3	-209.6	-224.8	0.00	0.00	0.00
4,200.0	8.00	316.82	4,178.9	233.5	-219.1	-235.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,283.5	8.00	316.82	4,261.6	242.0	-227.1	-243.5	0.00	0.00	0.00
Start Drop -1.50									
4,300.0	7.75	316.82	4,277.9	243.6	-228.6	-245.2	1.50	-1.50	0.00
4,400.0	6.25	316.82	4,377.2	252.5	-236.9	-254.1	1.50	-1.50	0.00
4,500.0	4.75	316.82	4,476.7	259.5	-243.5	-261.2	1.50	-1.50	0.00
4,600.0	3.25	316.82	4,576.5	264.6	-248.3	-266.3	1.50	-1.50	0.00
4,700.0	1.75	316.82	4,676.4	267.8	-251.3	-269.5	1.50	-1.50	0.00
4,800.0	0.25	316.82	4,776.4	269.0	-252.5	-270.8	1.50	-1.50	0.00
4,816.9	0.00	0.00	4,793.2	269.1	-252.5	-270.8	1.50	-1.50	0.00
Start 5212.8 hold at 4816.9 MD									
4,900.0	0.00	0.00	4,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,100.0	0.00	0.00	5,076.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,160.5	0.00	0.00	5,136.8	269.1	-252.5	-270.8	0.00	0.00	0.00
Cherry Canyon									
5,200.0	0.00	0.00	5,176.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,276.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,376.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,476.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,576.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,700.0	0.00	0.00	5,676.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,776.4	269.1	-252.5	-270.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,100.0	0.00	0.00	6,076.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,176.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,299.4	0.00	0.00	6,275.7	269.1	-252.5	-270.8	0.00	0.00	0.00
Brushy Canyon									
6,300.0	0.00	0.00	6,276.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,376.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,476.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,576.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,676.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,776.4	269.1	-252.5	-270.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,000.0	0.00	0.00	6,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,076.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,176.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,276.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,362.8	0.00	0.00	7,339.2	269.1	-252.5	-270.8	0.00	0.00	0.00
L. Brushy Canyon									
7,400.0	0.00	0.00	7,376.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,476.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,576.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,676.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,776.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
7,945.2	0.00	0.00	7,921.5	269.1	-252.5	-270.8	0.00	0.00	0.00
BSGL									
8,000.0	0.00	0.00	7,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,076.0	0.00	0.00	8,052.4	269.1	-252.5	-270.8	0.00	0.00	0.00
Avalon-SS									
8,100.0	0.00	0.00	8,076.4	269.1	-252.5	-270.8	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
8,200.0	0.00	0.00	8,176.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,276.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,376.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,476.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,576.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,676.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,776.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
8,910.4	0.00	0.00	8,886.8	269.1	-252.5	-270.8	0.00	0.00	0.00
FBSG									
9,000.0	0.00	0.00	8,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,076.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,176.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,276.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,373.1	0.00	0.00	9,349.4	269.1	-252.5	-270.8	0.00	0.00	0.00
SBSC									
9,400.0	0.00	0.00	9,376.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,476.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,585.5	0.00	0.00	9,561.9	269.1	-252.5	-270.8	0.00	0.00	0.00
SBSG									
9,600.0	0.00	0.00	9,576.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,700.0	0.00	0.00	9,676.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,800.0	0.00	0.00	9,776.4	269.1	-252.5	-270.8	0.00	0.00	0.00
9,900.0	0.00	0.00	9,876.4	269.1	-252.5	-270.8	0.00	0.00	0.00
10,000.0	0.00	0.00	9,976.4	269.1	-252.5	-270.8	0.00	0.00	0.00
10,029.6	0.00	0.00	10,006.0	269.1	-252.5	-270.8	0.00	0.00	0.00
Start Build 10.00 - VP - Voni Fed Com #132H									
10,100.0	7.04	197.30	10,076.2	264.9	-253.8	-266.7	10.00	10.00	0.00
10,144.2	11.45	197.30	10,119.8	258.2	-255.9	-260.0	10.00	10.00	0.00
TBSC									
10,200.0	17.04	197.30	10,173.9	245.1	-260.0	-246.9	10.00	10.00	0.00
10,300.0	27.04	197.30	10,266.4	209.3	-271.1	-211.2	10.00	10.00	0.00
10,400.0	37.04	197.30	10,351.1	158.7	-286.9	-160.7	10.00	10.00	0.00
10,500.0	47.04	197.30	10,425.3	94.9	-306.8	-97.0	10.00	10.00	0.00
10,600.0	57.04	197.30	10,486.7	19.7	-330.2	-22.0	10.00	10.00	0.00
10,700.0	67.04	197.30	10,533.6	-64.6	-356.4	62.1	10.00	10.00	0.00
10,800.0	77.04	197.30	10,564.4	-155.3	-384.7	152.6	10.00	10.00	0.00
10,900.0	87.04	197.30	10,578.2	-249.7	-414.1	246.8	10.00	10.00	0.00
10,929.6	90.00	197.30	10,579.0	-278.0	-422.9	275.0	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
11,000.0	90.00	195.89	10,579.0	-345.4	-443.0	342.3	2.00	0.00	-2.00
11,100.0	90.00	193.89	10,579.0	-442.0	-468.7	438.8	2.00	0.00	-2.00
11,200.0	90.00	191.89	10,579.0	-539.5	-491.0	536.1	2.00	0.00	-2.00
11,300.0	90.00	189.89	10,579.0	-637.7	-509.9	634.1	2.00	0.00	-2.00
11,400.0	90.00	187.89	10,579.0	-736.5	-525.3	732.8	2.00	0.00	-2.00
11,500.0	90.00	185.89	10,579.0	-835.8	-537.3	832.0	2.00	0.00	-2.00
11,600.0	90.00	183.89	10,579.0	-935.4	-545.9	931.6	2.00	0.00	-2.00
11,700.0	90.00	181.89	10,579.0	-1,035.3	-550.9	1,031.4	2.00	0.00	-2.00
11,800.0	90.00	179.89	10,579.0	-1,135.3	-552.5	1,131.4	2.00	0.00	-2.00
11,814.4	90.00	179.60	10,579.0	-1,149.7	-552.4	1,145.8	2.00	0.00	-2.00
Start 11266.7 hold at 11814.4 MD									
11,900.0	90.00	179.60	10,579.0	-1,235.3	-551.8	1,231.4	0.00	0.00	0.00
12,000.0	90.00	179.60	10,579.0	-1,335.3	-551.1	1,331.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.0	90.00	179.60	10,579.0	-1,435.2	-550.4	1,431.4	0.00	0.00	0.00
12,200.0	90.00	179.60	10,579.0	-1,535.2	-549.7	1,531.4	0.00	0.00	0.00
12,300.0	90.00	179.60	10,579.0	-1,635.2	-549.1	1,631.4	0.00	0.00	0.00
12,400.0	90.00	179.60	10,579.0	-1,735.2	-548.4	1,731.4	0.00	0.00	0.00
12,500.0	90.00	179.60	10,579.0	-1,835.2	-547.7	1,831.4	0.00	0.00	0.00
12,600.0	90.00	179.60	10,579.0	-1,935.2	-547.0	1,931.4	0.00	0.00	0.00
12,700.0	90.00	179.60	10,579.0	-2,035.2	-546.3	2,031.4	0.00	0.00	0.00
12,800.0	90.00	179.60	10,579.0	-2,135.2	-545.6	2,131.4	0.00	0.00	0.00
12,900.0	90.00	179.60	10,579.0	-2,235.2	-544.9	2,231.4	0.00	0.00	0.00
13,000.0	90.00	179.60	10,579.0	-2,335.2	-544.2	2,331.4	0.00	0.00	0.00
13,100.0	90.00	179.60	10,579.0	-2,435.2	-543.5	2,431.4	0.00	0.00	0.00
13,200.0	90.00	179.60	10,579.0	-2,535.2	-542.8	2,531.4	0.00	0.00	0.00
13,300.0	90.00	179.60	10,579.0	-2,635.2	-542.1	2,631.4	0.00	0.00	0.00
13,400.0	90.00	179.60	10,579.0	-2,735.2	-541.4	2,731.4	0.00	0.00	0.00
13,500.0	90.00	179.60	10,579.0	-2,835.2	-540.8	2,831.4	0.00	0.00	0.00
13,600.0	90.00	179.60	10,579.0	-2,935.2	-540.1	2,931.4	0.00	0.00	0.00
13,700.0	90.00	179.60	10,579.0	-3,035.2	-539.4	3,031.4	0.00	0.00	0.00
13,800.0	90.00	179.60	10,579.0	-3,135.2	-538.7	3,131.4	0.00	0.00	0.00
13,900.0	90.00	179.60	10,579.0	-3,235.2	-538.0	3,231.4	0.00	0.00	0.00
14,000.0	90.00	179.60	10,579.0	-3,335.2	-537.3	3,331.4	0.00	0.00	0.00
14,100.0	90.00	179.60	10,579.0	-3,435.2	-536.6	3,431.4	0.00	0.00	0.00
14,200.0	90.00	179.60	10,579.0	-3,535.2	-535.9	3,531.4	0.00	0.00	0.00
14,300.0	90.00	179.60	10,579.0	-3,635.2	-535.2	3,631.4	0.00	0.00	0.00
14,400.0	90.00	179.60	10,579.0	-3,735.2	-534.5	3,731.4	0.00	0.00	0.00
14,500.0	90.00	179.60	10,579.0	-3,835.2	-533.8	3,831.4	0.00	0.00	0.00
14,600.0	90.00	179.60	10,579.0	-3,935.2	-533.1	3,931.4	0.00	0.00	0.00
14,700.0	90.00	179.60	10,579.0	-4,035.2	-532.5	4,031.4	0.00	0.00	0.00
14,800.0	90.00	179.60	10,579.0	-4,135.2	-531.8	4,131.4	0.00	0.00	0.00
14,900.0	90.00	179.60	10,579.0	-4,235.2	-531.1	4,231.4	0.00	0.00	0.00
15,000.0	90.00	179.60	10,579.0	-4,335.2	-530.4	4,331.4	0.00	0.00	0.00
15,100.0	90.00	179.60	10,579.0	-4,435.2	-529.7	4,431.4	0.00	0.00	0.00
15,200.0	90.00	179.60	10,579.0	-4,535.2	-529.0	4,531.4	0.00	0.00	0.00
15,300.0	90.00	179.60	10,579.0	-4,635.2	-528.3	4,631.4	0.00	0.00	0.00
15,400.0	90.00	179.60	10,579.0	-4,735.2	-527.6	4,731.4	0.00	0.00	0.00
15,500.0	90.00	179.60	10,579.0	-4,835.2	-526.9	4,831.4	0.00	0.00	0.00
15,600.0	90.00	179.60	10,579.0	-4,935.2	-526.2	4,931.4	0.00	0.00	0.00
15,700.0	90.00	179.60	10,579.0	-5,035.2	-525.5	5,031.4	0.00	0.00	0.00
15,800.0	90.00	179.60	10,579.0	-5,135.2	-524.8	5,131.4	0.00	0.00	0.00
15,900.0	90.00	179.60	10,579.0	-5,235.2	-524.2	5,231.4	0.00	0.00	0.00
16,000.0	90.00	179.60	10,579.0	-5,335.2	-523.5	5,331.4	0.00	0.00	0.00
16,100.0	90.00	179.60	10,579.0	-5,435.2	-522.8	5,431.4	0.00	0.00	0.00
16,200.0	90.00	179.60	10,579.0	-5,535.2	-522.1	5,531.4	0.00	0.00	0.00
16,300.0	90.00	179.60	10,579.0	-5,635.1	-521.4	5,631.4	0.00	0.00	0.00
16,400.0	90.00	179.60	10,579.0	-5,735.1	-520.7	5,731.4	0.00	0.00	0.00
16,500.0	90.00	179.60	10,579.0	-5,835.1	-520.0	5,831.4	0.00	0.00	0.00
16,600.0	90.00	179.60	10,579.0	-5,935.1	-519.3	5,931.4	0.00	0.00	0.00
16,700.0	90.00	179.60	10,579.0	-6,035.1	-518.6	6,031.4	0.00	0.00	0.00
16,800.0	90.00	179.60	10,579.0	-6,135.1	-517.9	6,131.4	0.00	0.00	0.00
16,900.0	90.00	179.60	10,579.0	-6,235.1	-517.2	6,231.4	0.00	0.00	0.00
17,000.0	90.00	179.60	10,579.0	-6,335.1	-516.5	6,331.4	0.00	0.00	0.00
17,100.0	90.00	179.60	10,579.0	-6,435.1	-515.9	6,431.4	0.00	0.00	0.00
17,200.0	90.00	179.60	10,579.0	-6,535.1	-515.2	6,531.4	0.00	0.00	0.00
17,300.0	90.00	179.60	10,579.0	-6,635.1	-514.5	6,631.4	0.00	0.00	0.00
17,400.0	90.00	179.60	10,579.0	-6,735.1	-513.8	6,731.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	90.00	179.60	10,579.0	-6,835.1	-513.1	6,831.4	0.00	0.00	0.00
17,600.0	90.00	179.60	10,579.0	-6,935.1	-512.4	6,931.4	0.00	0.00	0.00
17,700.0	90.00	179.60	10,579.0	-7,035.1	-511.7	7,031.4	0.00	0.00	0.00
17,800.0	90.00	179.60	10,579.0	-7,135.1	-511.0	7,131.4	0.00	0.00	0.00
17,900.0	90.00	179.60	10,579.0	-7,235.1	-510.3	7,231.4	0.00	0.00	0.00
18,000.0	90.00	179.60	10,579.0	-7,335.1	-509.6	7,331.4	0.00	0.00	0.00
18,100.0	90.00	179.60	10,579.0	-7,435.1	-508.9	7,431.4	0.00	0.00	0.00
18,200.0	90.00	179.60	10,579.0	-7,535.1	-508.2	7,531.4	0.00	0.00	0.00
18,300.0	90.00	179.60	10,579.0	-7,635.1	-507.6	7,631.4	0.00	0.00	0.00
18,400.0	90.00	179.60	10,579.0	-7,735.1	-506.9	7,731.4	0.00	0.00	0.00
18,500.0	90.00	179.60	10,579.0	-7,835.1	-506.2	7,831.4	0.00	0.00	0.00
18,600.0	90.00	179.60	10,579.0	-7,935.1	-505.5	7,931.4	0.00	0.00	0.00
18,700.0	90.00	179.60	10,579.0	-8,035.1	-504.8	8,031.4	0.00	0.00	0.00
18,800.0	90.00	179.60	10,579.0	-8,135.1	-504.1	8,131.4	0.00	0.00	0.00
18,900.0	90.00	179.60	10,579.0	-8,235.1	-503.4	8,231.4	0.00	0.00	0.00
19,000.0	90.00	179.60	10,579.0	-8,335.1	-502.7	8,331.4	0.00	0.00	0.00
19,100.0	90.00	179.60	10,579.0	-8,435.1	-502.0	8,431.4	0.00	0.00	0.00
19,200.0	90.00	179.60	10,579.0	-8,535.1	-501.3	8,531.4	0.00	0.00	0.00
19,300.0	90.00	179.60	10,579.0	-8,635.1	-500.6	8,631.4	0.00	0.00	0.00
19,400.0	90.00	179.60	10,579.0	-8,735.1	-499.9	8,731.4	0.00	0.00	0.00
19,500.0	90.00	179.60	10,579.0	-8,835.1	-499.3	8,831.4	0.00	0.00	0.00
19,600.0	90.00	179.60	10,579.0	-8,935.1	-498.6	8,931.4	0.00	0.00	0.00
19,700.0	90.00	179.60	10,579.0	-9,035.1	-497.9	9,031.4	0.00	0.00	0.00
19,800.0	90.00	179.60	10,579.0	-9,135.1	-497.2	9,131.4	0.00	0.00	0.00
19,900.0	90.00	179.60	10,579.0	-9,235.1	-496.5	9,231.4	0.00	0.00	0.00
20,000.0	90.00	179.60	10,579.0	-9,335.1	-495.8	9,331.4	0.00	0.00	0.00
20,100.0	90.00	179.60	10,579.0	-9,435.1	-495.1	9,431.4	0.00	0.00	0.00
20,200.0	90.00	179.60	10,579.0	-9,535.1	-494.4	9,531.4	0.00	0.00	0.00
20,300.0	90.00	179.60	10,579.0	-9,635.1	-493.7	9,631.4	0.00	0.00	0.00
20,400.0	90.00	179.60	10,579.0	-9,735.1	-493.0	9,731.4	0.00	0.00	0.00
20,500.0	90.00	179.60	10,579.0	-9,835.0	-492.3	9,831.4	0.00	0.00	0.00
20,600.0	90.00	179.60	10,579.0	-9,935.0	-491.6	9,931.4	0.00	0.00	0.00
20,700.0	90.00	179.60	10,579.0	-10,035.0	-491.0	10,031.4	0.00	0.00	0.00
20,800.0	90.00	179.60	10,579.0	-10,135.0	-490.3	10,131.4	0.00	0.00	0.00
20,900.0	90.00	179.60	10,579.0	-10,235.0	-489.6	10,231.4	0.00	0.00	0.00
21,000.0	90.00	179.60	10,579.0	-10,335.0	-488.9	10,331.4	0.00	0.00	0.00
21,100.0	90.00	179.60	10,579.0	-10,435.0	-488.2	10,431.4	0.00	0.00	0.00
21,200.0	90.00	179.60	10,579.0	-10,535.0	-487.5	10,531.4	0.00	0.00	0.00
21,300.0	90.00	179.60	10,579.0	-10,635.0	-486.8	10,631.4	0.00	0.00	0.00
21,400.0	90.00	179.60	10,579.0	-10,735.0	-486.1	10,731.4	0.00	0.00	0.00
21,500.0	90.00	179.60	10,579.0	-10,835.0	-485.4	10,831.4	0.00	0.00	0.00
21,600.0	90.00	179.60	10,579.0	-10,935.0	-484.7	10,931.4	0.00	0.00	0.00
21,700.0	90.00	179.60	10,579.0	-11,035.0	-484.0	11,031.4	0.00	0.00	0.00
21,800.0	90.00	179.60	10,579.0	-11,135.0	-483.3	11,131.4	0.00	0.00	0.00
21,900.0	90.00	179.60	10,579.0	-11,235.0	-482.7	11,231.4	0.00	0.00	0.00
22,000.0	90.00	179.60	10,579.0	-11,335.0	-482.0	11,331.4	0.00	0.00	0.00
22,100.0	90.00	179.60	10,579.0	-11,435.0	-481.3	11,431.4	0.00	0.00	0.00
22,200.0	90.00	179.60	10,579.0	-11,535.0	-480.6	11,531.4	0.00	0.00	0.00
22,300.0	90.00	179.60	10,579.0	-11,635.0	-479.9	11,631.4	0.00	0.00	0.00
22,400.0	90.00	179.60	10,579.0	-11,735.0	-479.2	11,731.4	0.00	0.00	0.00
22,500.0	90.00	179.60	10,579.0	-11,835.0	-478.5	11,831.4	0.00	0.00	0.00
22,600.0	90.00	179.60	10,579.0	-11,935.0	-477.8	11,931.4	0.00	0.00	0.00
22,700.0	90.00	179.60	10,579.0	-12,035.0	-477.1	12,031.4	0.00	0.00	0.00
22,800.0	90.00	179.60	10,579.0	-12,135.0	-476.4	12,131.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	**Local Co-ordinate Reference:**	Well Voni Fed Com #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3214.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3214.5usft
Site:	Voni	**North Reference:**	Grid
Well:	Voni Fed Com #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
22,900.0	90.00	179.60	10,579.0	-12,235.0	-475.7	12,231.4	0.00	0.00	0.00
23,000.0	90.00	179.60	10,579.0	-12,335.0	-475.0	12,331.4	0.00	0.00	0.00
23,081.2	90.00	179.60	10,579.0	-12,416.2	-474.5	12,412.6	0.00	0.00	0.00
TD at 23081.2 - BHL - Voni Fed Com #132H									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Voni Fed Com #132 - plan hits target center - Point	0.00	0.01	10,006.0	269.1	-252.5	376,962.00	669,912.00	32° 2' 6.711 N	103° 47' 6.053 W
BHL - Voni Fed Com #13 - plan hits target center - Point	0.00	0.00	10,579.0	-12,416.2	-474.5	364,275.77	669,689.97	32° 0' 1.176 N	103° 47' 9.379 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
788.8	788.8	Rustler			
1,536.7	1,536.7	Salado (Top Salt)			
4,012.1	3,992.9	Base Salt			
4,042.1	4,022.6	Bell Canyon			
5,160.5	5,136.8	Cherry Canyon			
6,299.4	6,275.7	Brushy Canyon			
7,362.8	7,339.2	L. Brushy Canyon			
7,945.2	7,921.5	BSGL			
8,076.0	8,052.4	Avalon-SS			
8,910.4	8,886.8	FBSG			
9,373.1	9,349.4	SBSC			
9,585.5	9,561.9	SBSG			
10,144.2	10,119.8	TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,500.0	1,500.0	0.0	0.0	Start Build 1.00
2,300.0	2,297.4	40.7	-38.2	Start 1983.5 hold at 2300.0 MD
4,283.5	4,261.6	242.0	-227.1	Start Drop -1.50
4,816.9	4,793.2	269.1	-252.5	Start 5212.8 hold at 4816.9 MD
10,029.6	10,006.0	269.1	-252.5	Start Build 10.00
10,929.6	10,579.0	-278.0	-422.9	Start DLS 2.00 TFO -90.00
11,814.4	10,579.0	-1,149.7	-552.4	Start 11266.7 hold at 11814.4 MD
23,081.2	10,579.0	-12,416.2	-474.5	TD at 23081.2

Voni Fed Com 132H
SHL: 320' FNL & 2210' FWL Section 21
BHL: 100' FSL & 1650' FWL Section 33
Township/Range: 26S 31E
Elevation Above Sea Level: 3185

Drilling Operation Plan

Proposed Drilling Depth: 23081' MD / 10579' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.035322644344035 N / -103.78548933605144 W
TD Lat/Long (NAD83): 32.00045211943002 N / -103.78641158582391 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	742	742	765	Anhydrite	Barren
Salado (Top of Salt)	1,507	1,507	1,884	Salt	Barren
Castile	3,391	3,391	586	Salt	Barren
Lamar (Base of Salt)	3,977	3,977	32	Dolomite	Barren
Bell Canyon	4,009	4,009	1,115	Sandstone	Oil/Natural Gas
Cherry Canyon	5,124	5,124	1,138	Sandstone	Oil/Natural Gas
Brushy Canyon	6,262	6,262	1,639	Sandstone	Oil/Natural Gas
Bone Spring Lime	7,900	7,901	960	Limestone	Oil/Natural Gas
1st Bone Spring Sand	8,861	8,861	495	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,356	9,356	174	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,530	9,530	476	Sandstone	Oil/Natural Gas
KOP	**10,029**	**10,006**	**-**	**Sandstone**	**Oil/Natural Gas**
3rd Bone Spring Carb	10,144	10,119	-	Carbonate	Oil/Natural Gas
TD	**23,081**	**10,579**	**-**	**Carbonate**	**Oil/Natural Gas**

2. Notable Zones

3rd Bone Spring is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 230'

3. Pressure Control

Equipment
A 12,000' 5,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Onshore Order #2 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Onshore Order #2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 5M BOPE system will be installed. Test pressures will be 250 psi low and 5,000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 5M BOPE system is re-installed.

Variance Request
Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1066	0 - 1066	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9879	0 - 9856	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 23081	0 - 10579	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review
- Request the option to deepen the Intermediate 1 casing set depth to 80° in curve, no changes in pipe grade or weight is neccesary.

Variance Request

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	510	1.72	870	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	766	C	5% NaCl + LCM
Intermediate 1	Lead	700	3.66	2574	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	210	1.38	290	13.2	35%	8879	A/C	5% NaCl + LCM
Production	Tail	910	1.35	1231	13.2	10%	9679	A/C	Fluid Loss + Dispersant + Retarder

5. Mud Program

An electronic Pason mud monitoring system complying with Onshore Order 2 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1066	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Brine Emulsion	1066 - 9879	8.4 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	9879 - 23081	8.6 - 9.4	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve.

7. Down Hole Conditions

Drill Plan

No abnormal pressure or temperature is expected. Bottom hole pressure is 5171 psi. Maximum anticipated surface pressure is 2844 psi. Expected bottom hole temperature is 184 F.

In accordance with Onshore Order 6, Matador does not anticipate that there will be enough H2S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H2S safety package on all wells, attached is an "H2S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

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

COMMENTS

Action 23053

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
MATADOR PRODUCTION COMPANY One Lincoln Centre 5400 LBJ Freeway, Ste 1500 Dallas, TX75240	228937	23053	C-103A

Created By	Comment	Comment Date
kpickford	KP GEO Review 4/7/2021	04/07/2021
jagarcia	Accepted for Record	04/07/2021

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

CONDITIONS

Action 23053

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
MATADOR PRODUCTION COMPANY One Lincoln Centre 5400 LBJ Freeway, Ste 1500 Dallas, TX75240	228937	23053	C-103A

OCD Reviewer	Condition
kpickford	Adhere to previous NMOCD Conditions of Approval