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

Sundry Print Report

05/26/2021

Well Name: BOROS FED COM

Well Location: T26S / R31E / SEC 15 / NWNW / 32.0489432 / -103.7723838

County or Parish/State: EDDY / NM

Well Number: 131H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM138865

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001546912

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: 02/22/2021

Time Sundry Submitted: 04:08

Date proposed operation will begin: 02/27/2021

Procedure Description: BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Per WIS Electronic Submission #531650 Matador requests a BHL change from 100' FSL and 660' FWL to 100' FSL and 990' FWL; See attached C-102. Matador request to 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. Update production casing connection to TLW-SC. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Sundry_Submitted__531650_20210222160617.pdf

LO_BOROS_FED_COM_131H_REV5_S_20210222160552.pdf

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Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Additional Reviews

BOROS_FEDERAL_COM_131H_Sundry_APD_Calculations_20210225095244.pdf

BOROS_FEDERAL_131H_Drilling_Sundry_COA_20210225095243.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: NICKY FITZGERALD

Signed on: FEB 22, 2021 04:06 PM

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: (972)371-5448

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: 05/25/2021

Signature: Chris Walls

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**MATADOR PRODUCTION COMPANY**
LEASE NO.:	**NMNM138865**
WELL NAME & NO.:	**BOROS FEDERAL COM 131H SUNDRY**
SURFACE HOLE FOOTAGE:	430'/N & 704'/W
BOTTOM HOLE FOOTAGE	100'/S & 990'/W
LOCATION:	Section 15, 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 10248 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 Medium 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.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. **BOP REQUIREMENTS**

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **5000 (5M)** psi.

RI02242021

BOROS FEDERAL COM 131H 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	11.56	1.83	0.55	1,354	5	0.99	3.52	73,793
w/8.4#/g mud, 30min Sfc Csg Test psig:	1,320		Tail Cmt	does not	circ to sfc.	Totals:	1,354				73,793

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	930	1515	941	61	8.80	2750	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.

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	3.09	1.07	1.78	10,248	2	3.24	1.95	304,366
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	10,248				304,366

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1354 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	1130	3611	2656	36	9.40	2922	3M	0.69

Class 'H' tail cmt yld > 1.20

Casing must be kept 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	3.25	2.45	2.7	21,187	3	4.91	4.45	423,740
w/8.4#/g mud, 30min Sfc Csg Test psig:	2,396					Totals:	21,187				423,740

The cement volume(s) are intended to achieve a top of 10048 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	760	1049	932	13	9.40			0.44

Class 'C' tail cmt yld > 1.35

More cement may be needed.

#N/A

TEC-LOCK WEDGE

5.500" 20 LB/FT (.361"Wall) with 5.875" SPECIAL CLEARANCE OD
BEN P110 CY

Pipe Body Data

Nominal OD:	5.500	in
Nominal Wall:	.361	in
Nominal Weight:	20.00	lb/ft
Plain End Weight:	19.83	lb/ft
Material Grade:	P110 CY	
Mill/Specification:	BEN	
Yield Strength:	125,000	psi
Tensile Strength:	135,000	psi
Nominal ID:	4.778	in
API Drift Diameter:	4.653	in
Special Drift Diameter:	None	in
RBW:	87.5 %	
Body Yield:	729,000	lbf
Burst:	14,360	psi
Collapse:	13,010	psi

Connection Data

Standard OD:	5.875	in
Pin Bored ID:	4.778	in
Critical Section Area:	5.656	in²
Tensile Efficiency:	97 %	
Compressive Efficiency:	100 %	
Longitudinal Yield Strength:	707,000	lbf
Compressive Limit:	729,000	lbf
Internal Pressure Rating:	14,360	psi
External Pressure Rating:	13,010	psi
Maximum Bend:	101.2	°/100ft

Operational Data

Minimum Makeup Torque:	15,000	ft*lbf
Optimum Makeup Torque:	18,700	ft*lbf
Maximum Makeup Torque:	41,200	ft*lbf
Minimum Yield:	45,800	ft*lbf
Makeup Loss:	5.97	in

Notes

Operational Torque is equivalent to the Maximum Make-Up Torque

Generated on Sep 03, 2019

HUNTING

Casing Table Specification Sheet

Boros Fed Com 131H
SHL: 430' FNL & 704' FWL Section 15
BHL: 100' FSL & 990' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3230

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 - 1354	0 - 1354	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10248	0 - 10248	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21187	0 - 10890	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

Rustler Breaks
Boros
Boros Fed Com #131H

Wellbore #1
BLM Plan #1

Anticollision Report

10 September, 2020

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference BLM Plan #1

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

Survey Tool Program **Date** 9/10/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	21,187.1	BLM Plan #1 (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
Boros						
Boros Fed Com #021H - Wellbore #1 - BLM Plan #1	1,838.9	1,840.0	94.3	81.6	7.416	CC
Boros Fed Com #021H - Wellbore #1 - BLM Plan #1	2,000.0	2,000.6	95.1	81.2	6.852	ES
Boros Fed Com #021H - Wellbore #1 - BLM Plan #1	2,200.0	2,198.8	99.9	84.5	6.523	SF
Boros Fed Com #101H - Wellbore #1 - BLM Plan #1	1,999.4	2,000.0	20.6	6.7	1.486	Level 3, CC
Boros Fed Com #101H - Wellbore #1 - BLM Plan #1	2,000.0	2,000.6	20.6	6.7	1.485	Level 3, ES, SF
Boros Fed Com #105H - Wellbore #1 - BLM Plan #1	6,524.1	6,521.6	56.2	8.4	1.175	Level 2, CC
Boros Fed Com #105H - Wellbore #1 - BLM Plan #1	6,557.1	6,554.3	56.4	8.3	1.173	Level 2, ES
Boros Fed Com #105H - Wellbore #1 - BLM Plan #1	8,306.3	8,302.2	69.6	9.9	1.165	Level 2, SF
Boros Fed Com #111H - Wellbore #1 - BLM Plan #1	1,500.0	1,502.0	30.0	19.7	2.914	CC, ES
Boros Fed Com #111H - Wellbore #1 - BLM Plan #1	1,600.0	1,601.5	30.8	19.8	2.795	SF
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	1,500.0	1,501.0	114.0	103.7	11.071	CC
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	1,600.0	1,600.3	114.3	103.3	10.383	ES
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	21,187.1	20,213.0	1,027.4	835.5	5.352	SF
Boros Fed Com #135H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	85.5	78.8	12.737	CC, ES
Boros Fed Com #135H - Wellbore #1 - BLM Plan #1	21,187.1	21,183.1	660.0	313.6	1.905	SF
Boros Fed Com #201H - Wellbore #1 - Actual Surveys	1,783.0	1,782.3	213.6	201.6	17.774	CC
Boros Fed Com #201H - Wellbore #1 - Actual Surveys	1,800.0	1,798.4	213.6	201.5	17.605	ES
Boros Fed Com #201H - Wellbore #1 - Actual Surveys	21,049.7	21,504.0	742.2	460.2	2.632	SF
Boros Fed Com #215H - Wellbore #1 - Actual	10,499.2	10,496.2	96.1	21.4	1.286	Level 3, CC
Boros Fed Com #215H - Wellbore #1 - Actual	10,500.0	10,496.9	96.1	21.4	1.286	Level 3, ES, SF
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	1,416.3	1,416.3	80.0	70.3	8.253	CC
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	1,600.0	1,598.9	80.7	69.7	7.336	ES
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	1,800.0	1,796.5	86.2	73.8	6.948	SF
Boros Fed Com #225H - Wellbore #1 - BLM Plan #1	1,528.1	1,532.9	65.8	55.1	6.171	CC
Boros Fed Com #225H - Wellbore #1 - BLM Plan #1	10,400.0	10,411.0	112.0	37.5	1.503	ES
Boros Fed Com #225H - Wellbore #1 - BLM Plan #1	10,450.0	10,460.5	112.3	37.5	1.502	SF
Boros Fed Com #241H - Wellbore #1 - BLM Plan #1	1,757.4	1,759.5	89.8	77.7	7.396	CC
Boros Fed Com #241H - Wellbore #1 - BLM Plan #1	1,900.0	1,901.8	90.2	77.0	6.851	ES
Boros Fed Com #241H - Wellbore #1 - BLM Plan #1	10,500.0	10,506.5	222.8	147.5	2.958	SF

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

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Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
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Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #021H - 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	71.15	30.7	89.8	94.9				
100.0	100.0	101.0	101.0	0.1	0.1	71.15	30.7	89.8	94.9	94.6	0.26	365.092	
200.0	200.0	201.0	201.0	0.5	0.5	71.15	30.7	89.8	94.9	93.9	0.98	97.135	
300.0	300.0	301.0	301.0	0.8	0.8	71.15	30.7	89.8	94.9	93.2	1.69	56.019	
400.0	400.0	401.0	401.0	1.2	1.2	71.15	30.7	89.8	94.9	92.5	2.41	39.359	
500.0	500.0	501.0	501.0	1.6	1.6	71.15	30.7	89.8	94.9	91.8	3.13	30.337	
600.0	600.0	601.0	601.0	1.9	1.9	71.15	30.7	89.8	94.9	91.0	3.84	24.680	
700.0	700.0	701.0	701.0	2.3	2.3	71.15	30.7	89.8	94.9	90.3	4.56	20.801	
800.0	800.0	801.0	801.0	2.6	2.6	71.15	30.7	89.8	94.9	89.6	5.28	17.976	
900.0	900.0	901.0	901.0	3.0	3.0	71.15	30.7	89.8	94.9	88.9	6.00	15.826	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	71.15	30.7	89.8	94.9	88.2	6.71	14.136	
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	71.15	30.7	89.8	94.9	87.5	7.43	12.772	
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	71.15	30.7	89.8	94.9	86.7	8.15	11.648	
1,300.0	1,300.0	1,301.0	1,301.0	4.4	4.4	71.15	30.7	89.8	94.9	86.0	8.86	10.705	
1,400.0	1,400.0	1,401.0	1,401.0	4.8	4.8	71.15	30.7	89.8	94.9	85.3	9.58	9.904	
1,500.0	1,500.0	1,501.0	1,501.0	5.1	5.2	71.15	30.7	89.8	94.9	84.6	10.30	9.215	
1,600.0	1,600.0	1,601.2	1,601.2	5.5	5.5	70.61	31.5	89.4	94.8	83.8	11.01	8.607	
1,700.0	1,700.0	1,701.3	1,701.2	5.9	5.9	69.02	33.9	88.3	94.6	82.8	11.73	8.063	
1,800.0	1,800.0	1,801.3	1,801.1	6.2	6.2	66.36	37.8	86.5	94.4	81.9	12.44	7.583	
1,838.9	1,838.9	1,840.0	1,839.9	6.4	6.4	65.04	39.8	85.5	94.3	81.6	12.72	7.416	CC
1,900.0	1,900.0	1,901.1	1,900.7	6.6	6.6	62.65	43.4	83.9	94.4	81.3	13.16	7.175	
2,000.0	2,000.0	2,000.6	2,000.0	6.9	6.9	57.93	50.5	80.6	95.1	81.2	13.88	6.852	ES
2,100.0	2,100.0	2,099.9	2,098.8	7.3	7.3	52.33	59.1	76.6	96.7	82.1	14.59	6.629	
2,200.0	2,200.0	2,198.8	2,197.0	7.7	7.7	46.05	69.2	71.8	99.9	84.5	15.31	6.523	SF
2,300.0	2,300.0	2,302.8	2,294.6	8.0	8.0	39.40	80.9	66.4	104.8	88.8	16.04	6.537	
2,400.0	2,400.0	2,403.8	2,392.7	8.4	8.4	32.99	93.4	60.6	111.6	94.9	16.76	6.660	
2,500.0	2,500.0	2,504.7	2,490.8	8.7	8.8	27.37	105.9	54.8	119.6	102.2	17.48	6.845	
2,600.0	2,600.0	2,605.7	2,588.8	9.1	9.2	22.49	118.3	49.0	128.7	110.5	18.20	7.070	
2,700.0	2,700.0	2,706.7	2,686.9	9.4	9.6	18.26	130.8	43.2	138.5	119.6	18.92	7.322	
2,800.0	2,800.0	2,807.7	2,785.0	9.8	10.0	14.61	143.3	37.4	149.0	129.4	19.64	7.588	
2,900.0	2,900.0	2,908.6	2,883.0	10.2	10.4	11.44	155.8	31.5	160.0	139.7	20.35	7.861	
3,000.0	3,000.0	2,990.4	2,981.1	10.5	10.7	8.69	168.3	25.7	171.4	150.4	21.00	8.163	
3,100.0	3,100.0	3,089.5	3,079.2	10.9	11.1	-30.45	180.8	19.9	182.5	160.8	21.71	8.404	
3,200.0	3,200.0	3,188.6	3,177.4	11.2	11.5	-32.93	193.3	14.1	192.4	169.9	22.42	8.580	
3,300.0	3,299.9	3,287.9	3,275.6	11.6	11.9	-35.44	205.9	8.3	201.2	178.1	23.13	8.698	
3,400.0	3,399.7	3,387.1	3,373.9	11.9	12.3	-38.03	218.4	2.4	209.0	185.2	23.84	8.768	
3,500.0	3,499.4	3,486.3	3,472.2	12.3	12.7	-40.72	230.9	-3.4	215.9	191.3	24.54	8.796	
3,600.0	3,598.9	3,585.5	3,570.4	12.7	13.1	-43.55	243.4	-9.2	222.0	196.7	25.25	8.792	
3,700.0	3,698.3	3,684.7	3,668.6	13.0	13.5	-46.53	255.9	-15.0	227.4	201.5	25.96	8.761	
3,800.0	3,797.4	3,783.7	3,766.7	13.4	13.9	-49.69	268.4	-20.9	232.3	205.7	26.67	8.712	
3,900.0	3,896.4	3,882.7	3,864.7	13.8	14.3	-52.90	280.9	-26.7	237.4	210.0	27.38	8.670	
4,000.0	3,995.5	3,981.7	3,962.7	14.1	14.7	-55.98	293.4	-32.5	243.2	215.1	28.10	8.655	
4,100.0	4,094.5	4,080.7	4,060.8	14.5	15.1	-58.90	305.9	-38.3	249.7	220.9	28.83	8.662	
4,200.0	4,193.5	4,179.7	4,158.8	14.9	15.5	-61.67	318.4	-44.1	256.8	227.2	29.56	8.687	
4,300.0	4,292.5	4,278.6	4,256.8	15.2	15.9	-64.29	330.9	-49.9	264.5	234.2	30.30	8.729	
4,400.0	4,391.6	4,377.6	4,354.8	15.6	16.3	-66.76	343.4	-55.7	272.7	241.7	31.04	8.784	
4,500.0	4,490.6	4,482.9	4,459.2	16.0	16.7	-69.26	355.8	-61.5	280.5	248.6	31.87	8.800	
4,600.0	4,589.6	4,589.9	4,565.6	16.4	17.1	-71.75	365.7	-66.2	286.0	253.3	32.70	8.747	
4,700.0	4,688.6	4,697.1	4,672.5	16.8	17.5	-74.27	373.0	-69.5	289.3	255.8	33.51	8.635	
4,800.0	4,787.7	4,804.2	4,779.5	17.2	17.9	-76.89	377.6	-71.7	290.4	256.1	34.29	8.469	
4,900.0	4,886.7	4,911.1	4,886.3	17.5	18.3	-79.66	379.4	-72.5	289.4	254.3	35.06	8.255	
5,000.0	4,985.7	5,011.5	4,986.7	17.9	18.6	-82.40	379.4	-72.5	287.3	251.4	35.82	8.020	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #021H - 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
5,100.0	5,084.8	5,110.5	5,085.8	18.3	19.0	-85.14	379.4	-72.5	285.7	249.2	36.58	7.812	
5,200.0	5,183.8	5,209.5	5,184.8	18.7	19.3	-87.90	379.4	-72.5	284.9	247.5	37.34	7.629	
5,275.7	5,258.8	5,284.5	5,259.8	19.0	19.5	-90.00	379.4	-72.5	284.7	246.8	37.92	7.507	
5,300.0	5,282.8	5,308.5	5,283.8	19.1	19.6	-90.67	379.4	-72.5	284.7	246.6	38.11	7.471	
5,400.0	5,381.8	5,407.6	5,382.8	19.5	20.0	-93.44	379.4	-72.5	285.2	246.3	38.87	7.337	
5,500.0	5,480.9	5,506.6	5,481.9	19.9	20.3	-96.20	379.4	-72.5	286.4	246.7	39.64	7.225	
5,600.0	5,579.9	5,605.6	5,580.9	20.3	20.6	-98.92	379.4	-72.5	288.2	247.8	40.40	7.135	
5,700.0	5,678.9	5,704.6	5,679.9	20.7	21.0	-101.61	379.4	-72.5	290.7	249.6	41.16	7.063	
5,800.0	5,777.9	5,803.7	5,778.9	21.1	21.3	-104.24	379.4	-72.5	293.9	252.0	41.92	7.011	
5,900.0	5,877.0	5,902.7	5,878.0	21.5	21.7	-106.82	379.4	-72.5	297.6	255.0	42.67	6.975	
6,000.0	5,976.0	6,001.7	5,977.0	21.9	22.0	-109.32	379.4	-72.5	302.0	258.6	43.42	6.954	
6,100.0	6,075.0	6,100.8	6,076.0	22.3	22.3	-111.75	379.4	-72.5	306.9	262.8	44.17	6.948	
6,200.0	6,174.0	6,200.2	6,175.0	22.7	22.7	-114.11	379.4	-72.5	312.4	267.5	44.92	6.955	
6,300.0	6,273.1	6,301.2	6,274.1	23.1	23.0	-116.38	379.4	-72.5	318.4	272.7	45.66	6.972	
6,400.0	6,372.1	6,402.2	6,373.1	23.5	23.4	-118.56	379.4	-72.5	324.8	278.4	46.40	7.000	
6,500.0	6,471.1	6,503.1	6,472.1	23.9	23.7	-120.65	379.4	-72.5	331.8	284.6	47.14	7.038	
6,557.1	6,527.6	6,553.4	6,528.6	24.1	23.9	-121.81	379.4	-72.5	335.9	288.4	47.54	7.067	
6,600.0	6,570.2	6,604.1	6,571.2	24.3	24.1	-122.67	379.4	-72.5	339.0	291.1	47.88	7.081	
6,700.0	6,669.5	6,704.7	6,670.5	24.7	24.4	-124.35	379.4	-72.5	345.4	296.8	48.60	7.106	
6,800.0	6,769.1	6,805.1	6,770.1	25.1	24.8	-125.61	379.4	-72.5	350.5	301.2	49.32	7.107	
6,900.0	6,868.9	6,905.4	6,869.9	25.4	25.1	-126.48	379.4	-72.5	354.2	304.2	50.03	7.080	
7,000.0	6,968.8	7,005.4	6,969.8	25.8	25.5	-126.98	379.4	-72.5	356.4	305.7	50.73	7.026	
7,090.4	7,059.2	7,085.0	7,060.2	26.1	25.7	-90.48	379.4	-72.5	357.0	305.7	51.32	6.957	
7,100.0	7,068.8	7,105.4	7,069.8	26.1	25.8	-90.48	379.4	-72.5	357.0	305.6	51.43	6.943	
7,200.0	7,168.8	7,194.9	7,170.1	26.5	26.1	-90.49	379.3	-72.5	357.0	305.0	52.08	6.855	
7,300.0	7,268.8	7,296.1	7,270.7	26.8	26.4	-92.24	368.5	-72.0	356.8	304.0	52.71	6.769	
7,319.8	7,288.6	7,315.5	7,289.6	26.9	26.5	-92.90	364.4	-71.8	356.7	303.9	52.82	6.754	
7,400.0	7,368.8	7,390.8	7,361.6	27.2	26.6	-96.41	342.5	-70.7	357.5	304.3	53.21	6.718	
7,500.0	7,468.8	7,475.0	7,437.9	27.5	26.8	-102.03	307.1	-68.9	362.7	309.3	53.43	6.789	
7,600.0	7,568.8	7,547.4	7,498.8	27.8	26.9	-108.04	268.0	-66.9	376.3	323.3	53.01	7.099	
7,700.0	7,668.8	7,608.5	7,545.9	28.2	27.0	-113.67	229.2	-64.9	401.1	349.5	51.66	7.765	
7,800.0	7,768.8	7,659.7	7,582.1	28.5	27.1	-118.57	193.1	-63.1	438.1	388.7	49.43	8.863	
7,900.0	7,868.8	7,700.0	7,608.2	28.9	27.1	-122.44	162.4	-61.5	486.4	439.9	46.54	10.451	
8,000.0	7,968.8	7,738.4	7,631.0	29.2	27.2	-126.06	131.6	-60.0	544.4	500.7	43.70	12.459	
8,100.0	8,068.8	7,768.9	7,647.6	29.6	27.2	-128.84	106.1	-58.7	610.3	569.4	40.86	14.935	
8,200.0	8,168.8	7,800.0	7,663.1	29.9	27.2	-131.58	79.1	-57.3	682.3	643.8	38.49	17.729	
8,300.0	8,268.8	7,817.1	7,671.0	30.3	27.3	-133.03	64.0	-56.5	759.1	723.1	36.01	21.082	
8,400.0	8,368.8	7,836.4	7,679.4	30.6	27.3	-134.62	46.7	-55.7	839.7	805.7	34.05	24.666	
8,500.0	8,468.8	7,850.0	7,684.9	30.9	27.3	-135.72	34.2	-55.0	923.4	891.1	32.26	28.619	
8,600.0	8,568.8	7,868.0	7,691.8	31.3	27.4	-137.12	17.6	-54.2	1,009.3	978.4	30.95	32.616	
8,700.0	8,668.8	7,881.1	7,696.5	31.6	27.4	-138.11	5.4	-53.6	1,097.2	1,067.5	29.74	36.890	
8,800.0	8,768.8	7,900.0	7,702.8	32.0	27.4	-139.50	-12.4	-52.7	1,186.7	1,157.8	28.92	41.031	
8,900.0	8,868.8	7,900.0	7,702.8	32.3	27.4	-139.50	-12.4	-52.7	1,277.4	1,249.6	27.80	45.945	
9,000.0	8,968.8	7,900.0	7,702.8	32.7	27.4	-139.50	-12.4	-52.7	1,369.3	1,342.5	26.88	50.934	
9,100.0	9,068.8	7,921.0	7,709.0	33.0	27.5	-140.98	-32.4	-51.7	1,461.8	1,435.3	26.58	55.000	
9,200.0	9,168.8	7,928.7	7,711.1	33.4	27.5	-141.50	-39.8	-51.3	1,555.3	1,529.2	26.09	59.608	
9,300.0	9,268.8	7,950.0	7,716.4	33.7	27.5	-142.91	-60.4	-50.2	1,649.6	1,623.7	25.96	63.538	
9,400.0	9,368.8	7,950.0	7,716.4	34.1	27.5	-142.91	-60.4	-50.2	1,744.1	1,718.6	25.51	68.368	
9,500.0	9,468.8	7,950.0	7,716.4	34.4	27.5	-142.91	-60.4	-50.2	1,839.2	1,814.0	25.15	73.127	
9,600.0	9,568.8	7,950.0	7,716.4	34.8	27.5	-142.91	-60.4	-50.2	1,934.8	1,909.9	24.87	77.799	
9,700.0	9,668.8	7,950.0	7,716.4	35.1	27.5	-142.91	-60.4	-50.2	2,030.8	2,006.1	24.65	82.369	
9,800.0	9,768.8	7,950.0	7,716.4	35.5	27.5	-142.91	-60.4	-50.2	2,127.1	2,102.6	24.50	86.828	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #021H - 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	9,868.8	7,950.0	7,716.4	35.8	27.5	-142.91	-60.4	-50.2	2,223.8	2,199.4	24.39	91.168	
10,000.0	9,968.8	7,971.5	7,721.0	36.2	27.6	-144.27	-81.4	-49.2	2,320.3	2,295.7	24.59	94.342	
10,100.0	10,068.8	7,975.2	7,721.7	36.5	27.6	-144.50	-85.1	-49.0	2,417.3	2,392.7	24.60	98.261	
10,200.0	10,168.8	7,978.8	7,722.4	36.9	27.6	-144.71	-88.5	-48.8	2,514.6	2,489.9	24.64	102.070	
10,300.0	10,268.8	8,000.0	7,725.9	37.2	27.6	-145.96	-109.5	-47.8	2,612.3	2,587.4	24.89	104.954	
10,348.2	10,317.0	8,000.0	7,725.9	37.4	27.6	-145.96	-109.5	-47.8	2,659.2	2,634.3	24.91	106.769	
10,350.0	10,318.8	8,000.0	7,725.9	37.4	27.6	34.03	-109.5	-47.8	2,661.0	2,636.1	24.91	106.839	
10,400.0	10,368.8	8,000.0	7,725.9	37.6	27.6	24.90	-109.5	-47.8	2,709.3	2,684.4	24.91	108.768	
10,450.0	10,418.3	8,000.0	7,725.9	37.7	27.6	19.50	-109.5	-47.8	2,756.5	2,731.6	24.88	110.772	
10,500.0	10,467.1	8,000.0	7,725.9	37.8	27.6	16.01	-109.5	-47.8	2,802.3	2,777.5	24.84	112.822	
10,550.0	10,514.7	8,000.0	7,725.9	38.0	27.6	13.60	-109.5	-47.8	2,846.5	2,821.7	24.77	114.894	
10,600.0	10,560.8	8,000.0	7,725.9	38.1	27.6	11.86	-109.5	-47.8	2,888.7	2,864.0	24.70	116.965	
10,650.0	10,605.1	8,000.0	7,725.9	38.2	27.6	10.55	-109.5	-47.8	2,928.8	2,904.2	24.61	119.007	
10,700.0	10,647.1	8,000.0	7,725.9	38.2	27.6	9.55	-109.5	-47.8	2,966.6	2,942.1	24.52	120.990	
10,750.0	10,686.7	8,000.0	7,725.9	38.3	27.6	8.76	-109.5	-47.8	3,001.8	2,977.4	24.43	122.881	
10,800.0	10,723.4	8,021.5	7,728.6	38.4	27.7	8.06	-130.7	-46.7	3,033.8	3,009.3	24.50	123.849	
10,850.0	10,757.1	8,027.9	7,729.2	38.4	27.7	7.55	-137.1	-46.4	3,063.1	3,038.7	24.45	125.266	
10,900.0	10,787.4	8,050.0	7,731.0	38.5	27.8	7.11	-159.1	-45.2	3,089.5	3,065.0	24.52	126.011	
10,950.0	10,814.1	8,050.0	7,731.0	38.5	27.8	6.80	-159.1	-45.2	3,112.3	3,087.8	24.45	127.279	
11,000.0	10,837.1	8,050.0	7,731.0	38.5	27.8	6.55	-159.1	-45.2	3,131.8	3,107.4	24.41	128.278	
11,050.0	10,856.0	8,050.0	7,731.0	38.6	27.8	6.36	-159.1	-45.2	3,147.9	3,123.5	24.41	128.973	
11,100.0	10,870.9	8,050.0	7,731.0	38.6	27.8	6.22	-159.1	-45.2	3,160.6	3,136.2	24.44	129.334	
11,150.0	10,881.6	8,083.7	7,732.0	38.7	27.9	6.08	-192.8	-43.5	3,169.6	3,145.0	24.62	128.730	
11,200.0	10,887.9	8,083.7	7,732.0	38.8	27.9	6.02	-192.8	-43.5	3,174.8	3,150.1	24.71	128.482	
11,248.2	10,890.0	8,096.8	7,732.0	38.9	27.9	6.00	-205.8	-42.9	3,176.4	3,151.5	24.87	127.734	
11,300.0	10,890.0	8,143.2	7,732.0	39.0	28.1	5.97	-252.2	-41.1	3,176.3	3,151.1	25.15	126.276	
11,363.9	10,890.0	8,213.8	7,732.0	39.2	28.4	5.96	-308.8	-40.0	3,176.2	3,150.6	25.59	124.124	
11,400.0	10,890.0	8,235.9	7,732.0	39.3	28.5	5.96	-344.9	-39.7	3,176.2	3,150.4	25.77	123.252	
11,500.0	10,890.0	8,335.9	7,732.0	39.6	29.0	5.96	-444.9	-39.0	3,176.2	3,149.7	26.50	119.877	
11,600.0	10,890.0	8,435.9	7,732.0	40.0	29.5	5.96	-544.9	-38.2	3,176.2	3,148.9	27.29	116.367	
11,700.0	10,890.0	8,535.9	7,732.0	40.5	30.2	5.96	-644.9	-37.4	3,176.2	3,148.0	28.16	112.787	
11,800.0	10,890.0	8,635.9	7,732.0	41.0	30.9	5.96	-744.9	-36.7	3,176.2	3,147.1	29.09	109.192	
11,900.0	10,890.0	8,735.9	7,732.0	41.6	31.7	5.96	-844.9	-35.9	3,176.2	3,146.1	30.07	105.628	
12,000.0	10,890.0	8,835.9	7,732.0	42.2	32.6	5.96	-944.9	-35.1	3,176.2	3,145.1	31.10	102.128	
12,100.0	10,890.0	8,935.9	7,732.0	42.9	33.5	5.96	-1,044.9	-34.4	3,176.2	3,144.0	32.17	98.716	
12,200.0	10,890.0	9,035.9	7,732.0	43.6	34.5	5.96	-1,144.9	-33.6	3,176.2	3,142.9	33.29	95.411	
12,300.0	10,890.0	9,135.9	7,732.0	44.4	35.5	5.96	-1,244.9	-32.8	3,176.2	3,141.7	34.44	92.223	
12,400.0	10,890.0	9,235.9	7,732.0	45.3	36.5	5.96	-1,344.9	-32.1	3,176.2	3,140.5	35.62	89.159	
12,500.0	10,890.0	9,335.9	7,732.0	46.2	37.7	5.96	-1,444.9	-31.3	3,176.2	3,139.3	36.84	86.223	
12,600.0	10,890.0	9,435.9	7,732.0	47.1	38.8	5.96	-1,544.9	-30.6	3,176.2	3,138.1	38.08	83.415	
12,700.0	10,890.0	9,535.9	7,732.0	48.0	40.0	5.96	-1,644.9	-29.8	3,176.2	3,136.8	39.34	80.735	
12,800.0	10,890.0	9,635.9	7,732.0	49.0	41.2	5.96	-1,744.9	-29.0	3,176.2	3,135.5	40.63	78.178	
12,900.0	10,890.0	9,735.9	7,732.0	50.1	42.5	5.96	-1,844.9	-28.3	3,176.2	3,134.2	41.93	75.742	
13,000.0	10,890.0	9,835.9	7,732.0	51.1	43.7	5.96	-1,944.8	-27.5	3,176.2	3,132.9	43.26	73.422	
13,100.0	10,890.0	9,935.9	7,732.0	52.2	45.0	5.96	-2,044.8	-26.7	3,176.2	3,131.6	44.60	71.212	
13,200.0	10,890.0	10,035.9	7,732.0	53.3	46.4	5.96	-2,144.8	-26.0	3,176.2	3,130.2	45.96	69.108	
13,300.0	10,890.0	10,135.9	7,732.0	54.5	47.7	5.96	-2,244.8	-25.2	3,176.2	3,128.8	47.33	67.105	
13,400.0	10,890.0	10,235.9	7,732.0	55.7	49.1	5.96	-2,344.8	-24.4	3,176.2	3,127.5	48.72	65.197	
13,500.0	10,890.0	10,335.9	7,732.0	56.9	50.4	5.96	-2,444.8	-23.7	3,176.2	3,126.1	50.11	63.379	
13,600.0	10,890.0	10,435.9	7,732.0	58.1	51.8	5.96	-2,544.8	-22.9	3,176.2	3,124.7	51.52	61.646	
13,700.0	10,890.0	10,535.9	7,732.0	59.3	53.2	5.96	-2,644.8	-22.1	3,176.2	3,123.2	52.94	59.994	
13,800.0	10,890.0	10,635.9	7,732.0	60.6	54.7	5.96	-2,744.8	-21.4	3,176.2	3,121.8	54.37	58.418	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #021H - 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	10,890.0	10,735.9	7,732.0	61.9	56.1	5.96	-2,844.8	-20.6	3,176.2	3,120.4	55.81	56.913	
14,000.0	10,890.0	10,835.9	7,732.0	63.2	57.5	5.96	-2,944.8	-19.8	3,176.2	3,118.9	57.25	55.476	
14,100.0	10,890.0	10,935.9	7,732.0	64.5	59.0	5.96	-3,044.8	-19.1	3,176.2	3,117.5	58.71	54.103	
14,200.0	10,890.0	11,035.9	7,732.0	65.8	60.5	5.96	-3,144.8	-18.3	3,176.2	3,116.0	60.17	52.790	
14,300.0	10,890.0	11,135.9	7,732.0	67.2	61.9	5.96	-3,244.8	-17.5	3,176.2	3,114.5	61.63	51.534	
14,400.0	10,890.0	11,235.9	7,732.0	68.5	63.4	5.96	-3,344.8	-16.8	3,176.2	3,113.1	63.11	50.331	
14,500.0	10,890.0	11,335.9	7,732.0	69.9	64.9	5.96	-3,444.8	-16.0	3,176.2	3,111.6	64.58	49.178	
14,600.0	10,890.0	11,435.9	7,732.0	71.3	66.4	5.96	-3,544.8	-15.2	3,176.2	3,110.1	66.07	48.074	
14,700.0	10,890.0	11,535.9	7,732.0	72.7	67.9	5.96	-3,644.8	-14.5	3,176.2	3,108.6	67.56	47.014	
14,800.0	10,890.0	11,635.9	7,732.0	74.1	69.5	5.96	-3,744.8	-13.7	3,176.2	3,107.1	69.05	45.997	
14,900.0	10,890.0	11,735.9	7,732.0	75.5	71.0	5.96	-3,844.8	-13.0	3,176.2	3,105.6	70.55	45.020	
15,000.0	10,890.0	11,835.9	7,732.0	76.9	72.5	5.96	-3,944.8	-12.2	3,176.2	3,104.1	72.05	44.081	
15,100.0	10,890.0	11,935.9	7,732.0	78.3	74.0	5.96	-4,044.8	-11.4	3,176.2	3,102.6	73.56	43.178	
15,200.0	10,890.0	12,035.9	7,732.0	79.8	75.6	5.96	-4,144.8	-10.7	3,176.2	3,101.1	75.07	42.310	
15,300.0	10,890.0	12,135.9	7,732.0	81.2	77.1	5.96	-4,244.8	-9.9	3,176.2	3,099.6	76.58	41.473	
15,400.0	10,890.0	12,235.9	7,732.0	82.7	78.7	5.96	-4,344.8	-9.1	3,176.2	3,098.1	78.10	40.668	
15,500.0	10,890.0	12,335.9	7,732.0	84.1	80.2	5.96	-4,444.8	-8.4	3,176.2	3,096.6	79.62	39.891	
15,600.0	10,890.0	12,435.9	7,732.0	85.6	81.8	5.96	-4,544.8	-7.6	3,176.2	3,095.0	81.14	39.143	
15,700.0	10,890.0	12,535.9	7,732.0	87.1	83.3	5.96	-4,644.8	-6.8	3,176.2	3,093.5	82.67	38.420	
15,800.0	10,890.0	12,635.9	7,732.0	88.6	84.9	5.96	-4,744.8	-6.1	3,176.2	3,092.0	84.20	37.723	
15,900.0	10,890.0	12,735.9	7,732.0	90.1	86.5	5.96	-4,844.8	-5.3	3,176.2	3,090.4	85.73	37.049	
16,000.0	10,890.0	12,835.9	7,732.0	91.6	88.0	5.96	-4,944.8	-4.5	3,176.2	3,088.9	87.26	36.398	
16,100.0	10,890.0	12,935.9	7,732.0	93.1	89.6	5.96	-5,044.8	-3.8	3,176.2	3,087.4	88.80	35.769	
16,200.0	10,890.0	13,035.9	7,732.0	94.6	91.2	5.96	-5,144.8	-3.0	3,176.2	3,085.8	90.34	35.160	
16,300.0	10,890.0	13,135.9	7,732.0	96.1	92.7	5.96	-5,244.8	-2.2	3,176.2	3,084.3	91.87	34.571	
16,400.0	10,890.0	13,235.9	7,732.0	97.6	94.3	5.96	-5,344.7	-1.5	3,176.2	3,082.8	93.42	34.000	
16,500.0	10,890.0	13,335.9	7,732.0	99.1	95.9	5.96	-5,444.7	-0.7	3,176.2	3,081.2	94.96	33.448	
16,600.0	10,890.0	13,435.9	7,732.0	100.6	97.5	5.96	-5,544.7	0.1	3,176.2	3,079.7	96.51	32.912	
16,700.0	10,890.0	13,535.9	7,732.0	102.2	99.1	5.96	-5,644.7	0.8	3,176.2	3,078.1	98.05	32.393	
16,800.0	10,890.0	13,635.9	7,732.0	103.7	100.7	5.96	-5,744.7	1.6	3,176.2	3,076.6	99.60	31.889	
16,900.0	10,890.0	13,735.9	7,732.0	105.2	102.3	5.96	-5,844.7	2.4	3,176.2	3,075.0	101.15	31.400	
17,000.0	10,890.0	13,835.9	7,732.0	106.8	103.9	5.96	-5,944.7	3.1	3,176.2	3,073.5	102.70	30.926	
17,100.0	10,890.0	13,935.9	7,732.0	108.3	105.5	5.96	-6,044.7	3.9	3,176.2	3,071.9	104.26	30.465	
17,200.0	10,890.0	14,035.9	7,732.0	109.9	107.0	5.96	-6,144.7	4.6	3,176.2	3,070.4	105.81	30.018	
17,300.0	10,890.0	14,135.9	7,732.0	111.4	108.6	5.96	-6,244.7	5.4	3,176.2	3,068.8	107.36	29.583	
17,400.0	10,890.0	14,235.9	7,732.0	112.9	110.2	5.96	-6,344.7	6.2	3,176.2	3,067.3	108.92	29.160	
17,500.0	10,890.0	14,335.9	7,732.0	114.5	111.8	5.96	-6,444.7	6.9	3,176.2	3,065.7	110.48	28.749	
17,600.0	10,890.0	14,435.9	7,732.0	116.1	113.5	5.96	-6,544.7	7.7	3,176.2	3,064.1	112.04	28.349	
17,700.0	10,890.0	14,535.9	7,732.0	117.6	115.1	5.96	-6,644.7	8.5	3,176.2	3,062.6	113.60	27.960	
17,800.0	10,890.0	14,635.9	7,732.0	119.2	116.7	5.96	-6,744.7	9.2	3,176.2	3,061.0	115.16	27.581	
17,900.0	10,890.0	14,735.9	7,732.0	120.7	118.3	5.96	-6,844.7	10.0	3,176.2	3,059.5	116.72	27.212	
18,000.0	10,890.0	14,835.9	7,732.0	122.3	119.9	5.96	-6,944.7	10.8	3,176.2	3,057.9	118.28	26.852	
18,100.0	10,890.0	14,935.9	7,732.0	123.9	121.5	5.96	-7,044.7	11.5	3,176.2	3,056.3	119.85	26.502	
18,200.0	10,890.0	15,035.9	7,732.0	125.5	123.1	5.96	-7,144.7	12.3	3,176.2	3,054.8	121.41	26.160	
18,300.0	10,890.0	15,135.9	7,732.0	127.0	124.7	5.96	-7,244.7	13.1	3,176.2	3,053.2	122.98	25.827	
18,400.0	10,890.0	15,235.9	7,732.0	128.6	126.3	5.96	-7,344.7	13.8	3,176.2	3,051.6	124.55	25.502	
18,500.0	10,890.0	15,335.9	7,732.0	130.2	127.9	5.96	-7,444.7	14.6	3,176.2	3,050.1	126.11	25.185	
18,600.0	10,890.0	15,435.9	7,732.0	131.8	129.6	5.96	-7,544.7	15.4	3,176.2	3,048.5	127.68	24.876	
18,700.0	10,890.0	15,535.9	7,732.0	133.3	131.2	5.96	-7,644.7	16.1	3,176.2	3,046.9	129.25	24.574	
18,800.0	10,890.0	15,635.9	7,732.0	134.9	132.8	5.96	-7,744.7	16.9	3,176.2	3,045.4	130.82	24.279	
18,900.0	10,890.0	15,735.9	7,732.0	136.5	134.4	5.96	-7,844.7	17.7	3,176.2	3,043.8	132.39	23.991	
19,000.0	10,890.0	15,835.9	7,732.0	138.1	136.0	5.96	-7,944.7	18.4	3,176.2	3,042.2	133.96	23.710	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #021H - 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	10,890.0	15,935.9	7,732.0	139.7	137.6	5.96	-8,044.7	19.2	3,176.2	3,040.7	135.53	23.435	
19,200.0	10,890.0	16,035.9	7,732.0	141.3	139.3	5.96	-8,144.7	19.9	3,176.2	3,039.1	137.10	23.166	
19,300.0	10,890.0	16,135.9	7,732.0	142.9	140.9	5.96	-8,244.7	20.7	3,176.2	3,037.5	138.68	22.904	
19,400.0	10,890.0	16,235.9	7,732.0	144.4	142.5	5.96	-8,344.7	21.5	3,176.2	3,035.9	140.25	22.647	
19,500.0	10,890.0	16,335.9	7,732.0	146.0	144.1	5.96	-8,444.7	22.2	3,176.2	3,034.4	141.82	22.395	
19,600.0	10,890.0	16,435.9	7,732.0	147.6	145.7	5.96	-8,544.7	23.0	3,176.2	3,032.8	143.40	22.150	
19,700.0	10,890.0	16,535.9	7,732.0	149.2	147.4	5.96	-8,644.7	23.8	3,176.2	3,031.2	144.97	21.909	
19,800.0	10,890.0	16,635.9	7,732.0	150.8	149.0	5.96	-8,744.6	24.5	3,176.2	3,029.6	146.55	21.673	
19,900.0	10,890.0	16,735.9	7,732.0	152.4	150.6	5.96	-8,844.6	25.3	3,176.2	3,028.1	148.12	21.443	
20,000.0	10,890.0	16,835.9	7,732.0	154.0	152.2	5.96	-8,944.6	26.1	3,176.2	3,026.5	149.70	21.217	
20,100.0	10,890.0	16,935.9	7,732.0	155.6	153.9	5.96	-9,044.6	26.8	3,176.2	3,024.9	151.28	20.996	
20,200.0	10,890.0	17,035.9	7,732.0	157.2	155.5	5.96	-9,144.6	27.6	3,176.2	3,023.3	152.85	20.779	
20,300.0	10,890.0	17,135.9	7,732.0	158.8	157.1	5.96	-9,244.6	28.4	3,176.2	3,021.8	154.43	20.567	
20,400.0	10,890.0	17,235.9	7,732.0	160.4	158.8	5.96	-9,344.6	29.1	3,176.2	3,020.2	156.01	20.359	
20,500.0	10,890.0	17,335.9	7,732.0	162.0	160.4	5.96	-9,444.6	29.9	3,176.2	3,018.6	157.59	20.155	
20,600.0	10,890.0	17,435.9	7,732.0	163.6	162.0	5.96	-9,544.6	30.7	3,176.2	3,017.0	159.17	19.955	
20,700.0	10,890.0	17,535.9	7,732.0	165.2	163.6	5.96	-9,644.6	31.4	3,176.2	3,015.4	160.75	19.759	
20,800.0	10,890.0	17,635.9	7,732.0	166.9	165.3	5.96	-9,744.6	32.2	3,176.2	3,013.9	162.33	19.567	
20,900.0	10,890.0	17,735.9	7,732.0	168.5	166.9	5.96	-9,844.6	33.0	3,176.2	3,012.3	163.91	19.378	
21,000.0	10,890.0	17,835.9	7,732.0	170.1	168.5	5.96	-9,944.6	33.7	3,176.2	3,010.7	165.49	19.193	
21,100.0	10,890.0	17,935.9	7,732.0	171.7	170.2	5.96	-10,044.6	34.5	3,176.2	3,009.1	167.07	19.012	
21,187.1	10,890.0	18,023.0	7,732.0	173.1	171.6	5.96	-10,131.7	35.2	3,176.2	3,007.7	168.44	18.856	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #101H - 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	89.56	0.2	30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.56	0.2	30.0	30.0	29.7	0.26	117.025	
200.0	200.0	200.0	200.0	0.5	0.5	89.56	0.2	30.0	30.0	29.0	0.97	30.819	
300.0	300.0	300.0	300.0	0.8	0.8	89.56	0.2	30.0	30.0	28.3	1.69	17.746	
400.0	400.0	400.0	400.0	1.2	1.2	89.56	0.2	30.0	30.0	27.6	2.41	12.461	
500.0	500.0	500.0	500.0	1.6	1.6	89.56	0.2	30.0	30.0	26.9	3.12	9.601	
600.0	600.0	600.0	600.0	1.9	1.9	89.56	0.2	30.0	30.0	26.2	3.84	7.809	
700.0	700.0	700.0	700.0	2.3	2.3	89.56	0.2	30.0	30.0	25.4	4.56	6.581	
800.0	800.0	800.0	800.0	2.6	2.6	89.56	0.2	30.0	30.0	24.7	5.27	5.686	
900.0	900.0	900.0	900.0	3.0	3.0	89.56	0.2	30.0	30.0	24.0	5.99	5.006	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.56	0.2	30.0	30.0	23.3	6.71	4.471	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.56	0.2	30.0	30.0	22.6	7.43	4.039	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.56	0.2	30.0	30.0	21.9	8.14	3.684	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.56	0.2	30.0	30.0	21.1	8.86	3.386	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.56	0.2	30.0	30.0	20.4	9.58	3.132	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.56	0.2	30.0	30.0	19.7	10.29	2.914	
1,600.0	1,600.0	1,600.4	1,600.4	5.5	5.5	88.39	0.8	29.3	29.4	18.4	11.01	2.667	
1,700.0	1,700.0	1,700.7	1,700.6	5.9	5.9	84.54	2.6	27.4	27.6	15.8	11.72	2.351	
1,800.0	1,800.0	1,800.9	1,800.7	6.2	6.2	76.96	5.6	24.2	24.9	12.4	12.43	2.000	
1,900.0	1,900.0	1,900.9	1,900.5	6.6	6.6	63.64	9.8	19.7	22.0	8.9	13.15	1.675	
1,999.4	1,999.4	2,000.0	1,999.4	6.9	6.9	42.93	15.1	14.0	20.6	6.7	13.86	1.486	Level 3, CC
2,000.0	2,000.0	2,000.6	2,000.0	6.9	6.9	42.78	15.1	14.0	20.6	6.7	13.87	1.485	Level 3, ES, SF
2,100.0	2,100.0	2,100.1	2,099.0	7.3	7.3	17.96	21.6	7.0	22.7	8.2	14.58	1.560	
2,200.0	2,200.0	2,199.2	2,197.4	7.7	7.7	-2.36	29.2	-1.2	29.4	14.1	15.26	1.926	
2,300.0	2,300.0	2,302.2	2,295.3	8.0	8.0	-15.61	38.0	-10.6	39.7	23.8	15.94	2.493	
2,400.0	2,400.0	2,403.1	2,393.3	8.4	8.4	-23.60	47.4	-20.7	52.1	35.5	16.64	3.134	
2,500.0	2,500.0	2,504.1	2,491.4	8.7	8.8	-28.48	56.8	-30.8	65.2	47.8	17.35	3.756	
2,600.0	2,600.0	2,605.1	2,589.5	9.1	9.2	-31.72	66.2	-40.9	78.5	60.4	18.06	4.346	
2,700.0	2,700.0	2,706.0	2,687.5	9.4	9.6	-34.01	75.5	-51.0	92.0	73.2	18.78	4.899	
2,800.0	2,800.0	2,793.0	2,785.6	9.8	9.9	-35.72	84.9	-61.1	105.6	86.2	19.45	5.431	
2,900.0	2,900.0	2,892.0	2,883.6	10.2	10.3	-37.04	94.3	-71.2	119.3	99.1	20.16	5.917	
3,000.0	3,000.0	2,991.0	2,981.7	10.5	10.7	-38.08	103.7	-81.3	133.0	112.1	20.87	6.373	
3,100.0	3,100.0	3,109.9	3,079.8	10.9	11.2	-75.78	113.1	-91.3	146.6	124.9	21.66	6.768	
3,200.0	3,200.0	3,189.1	3,177.9	11.2	11.5	-77.24	122.5	-101.4	159.8	137.5	22.29	7.168	
3,300.0	3,299.9	3,288.1	3,275.9	11.6	11.9	-79.04	131.9	-111.5	172.8	149.8	23.00	7.511	
3,400.0	3,399.7	3,387.0	3,373.9	11.9	12.3	-81.09	141.2	-121.6	185.6	161.9	23.71	7.829	
3,500.0	3,499.4	3,485.9	3,471.7	12.3	12.7	-83.36	150.6	-131.7	198.5	174.1	24.42	8.130	
3,600.0	3,598.9	3,584.6	3,569.5	12.7	13.1	-85.80	160.0	-141.7	211.6	186.5	25.14	8.419	
3,700.0	3,698.3	3,683.1	3,667.1	13.0	13.5	-88.38	169.3	-151.8	225.0	199.2	25.85	8.703	
3,800.0	3,797.4	3,781.5	3,764.5	13.4	13.9	-91.06	178.6	-161.8	238.9	212.3	26.58	8.988	
3,900.0	3,896.4	3,879.8	3,861.8	13.8	14.3	-93.76	187.9	-171.8	253.3	226.0	27.31	9.277	
4,000.0	3,995.5	3,978.1	3,959.1	14.1	14.7	-96.17	197.3	-181.8	268.3	240.2	28.04	9.567	
4,100.0	4,094.5	4,076.4	4,056.5	14.5	15.1	-98.32	206.6	-191.9	283.6	254.9	28.78	9.855	
4,200.0	4,193.5	4,174.6	4,153.8	14.9	15.5	-100.25	215.9	-201.9	299.3	269.8	29.52	10.139	
4,300.0	4,292.5	4,272.9	4,251.1	15.2	15.9	-101.99	225.2	-211.9	315.4	285.1	30.27	10.419	
4,400.0	4,391.6	4,371.2	4,348.4	15.6	16.3	-103.57	234.5	-221.9	331.6	300.6	31.02	10.692	
4,500.0	4,490.6	4,469.4	4,445.7	16.0	16.7	-104.99	243.8	-231.9	348.1	316.4	31.77	10.958	
4,600.0	4,589.6	4,567.7	4,543.1	16.4	17.1	-106.29	253.2	-241.9	364.8	332.3	32.52	11.218	
4,700.0	4,688.6	4,666.0	4,640.4	16.8	17.5	-107.47	262.5	-251.9	381.7	348.4	33.27	11.470	
4,800.0	4,787.7	4,764.3	4,737.7	17.2	17.9	-108.55	271.8	-262.0	398.7	364.6	34.03	11.715	
4,900.0	4,886.7	4,862.5	4,835.0	17.5	18.3	-109.55	281.1	-272.0	415.8	381.0	34.79	11.952	
5,000.0	4,985.7	4,960.8	4,932.3	17.9	18.7	-110.46	290.4	-282.0	433.0	397.5	35.55	12.182	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #101H - 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
5,100.0	5,084.8	5,059.1	5,029.7	18.3	19.1	-111.31	299.7	-292.0	450.4	414.1	36.31	12.404	
5,200.0	5,183.8	5,157.4	5,127.0	18.7	19.5	-112.09	309.0	-302.0	467.8	430.7	37.07	12.620	
5,300.0	5,282.8	5,255.6	5,224.3	19.1	19.9	-112.82	318.4	-312.0	485.3	447.5	37.83	12.828	
5,400.0	5,381.8	5,353.9	5,321.6	19.5	20.3	-113.50	327.7	-322.0	502.9	464.3	38.59	13.030	
5,500.0	5,480.9	5,452.2	5,418.9	19.9	20.7	-114.13	337.0	-332.1	520.5	481.2	39.36	13.225	
5,600.0	5,579.9	5,550.5	5,516.2	20.3	21.1	-114.72	346.3	-342.1	538.2	498.1	40.12	13.414	
5,700.0	5,678.9	5,653.9	5,618.7	20.7	21.5	-115.31	356.0	-352.5	555.8	514.9	40.94	13.576	
5,800.0	5,777.9	5,766.4	5,730.5	21.1	22.0	-116.06	364.7	-361.8	571.5	529.6	41.82	13.664	
5,900.0	5,877.0	5,879.5	5,843.2	21.5	22.4	-116.95	371.2	-368.8	584.8	542.1	42.68	13.702	
6,000.0	5,976.0	5,993.0	5,956.5	21.9	22.8	-117.98	375.4	-373.3	595.8	552.3	43.51	13.694	
6,100.0	6,075.0	6,106.6	6,070.1	22.3	23.2	-119.15	377.3	-375.4	604.5	560.2	44.30	13.645	
6,200.0	6,174.0	6,210.6	6,174.0	22.7	23.6	-120.33	377.4	-375.6	611.6	566.6	45.06	13.575	
6,300.0	6,273.1	6,309.6	6,273.1	23.1	23.9	-121.43	377.4	-375.6	618.8	573.0	45.80	13.513	
6,400.0	6,372.1	6,408.7	6,372.1	23.5	24.2	-122.51	377.4	-375.6	626.3	579.7	46.54	13.458	
6,500.0	6,471.1	6,507.7	6,471.1	23.9	24.6	-123.57	377.4	-375.6	633.9	586.6	47.27	13.409	
6,557.1	6,527.6	6,564.2	6,527.6	24.1	24.7	-124.16	377.4	-375.6	638.4	590.7	47.69	13.384	
6,600.0	6,570.2	6,606.7	6,570.2	24.3	24.9	-124.62	377.4	-375.6	641.6	593.6	48.01	13.364	
6,700.0	6,669.5	6,706.1	6,669.5	24.7	25.2	-125.53	377.4	-375.6	648.3	599.5	48.74	13.301	
6,800.0	6,769.1	6,805.7	6,769.1	25.1	25.5	-126.23	377.4	-375.6	653.5	604.0	49.46	13.214	
6,900.0	6,868.9	6,905.5	6,868.9	25.4	25.9	-126.72	377.4	-375.6	657.2	607.1	50.17	13.101	
7,000.0	6,968.8	7,005.4	6,968.8	25.8	26.2	-127.00	377.4	-375.6	659.4	608.6	50.87	12.964	
7,090.4	7,059.2	7,104.2	7,059.2	26.1	26.5	-90.43	377.4	-375.6	660.1	608.6	51.52	12.811	
7,100.0	7,068.8	7,105.4	7,068.8	26.1	26.6	-90.43	377.4	-375.6	660.1	608.5	51.56	12.802	
7,200.0	7,168.8	7,205.4	7,168.8	26.5	26.9	-90.43	377.4	-375.6	660.1	607.8	52.25	12.633	
7,300.0	7,268.8	7,305.4	7,268.8	26.8	27.2	-90.43	377.4	-375.6	660.1	607.1	52.94	12.469	
7,400.0	7,368.8	7,405.4	7,368.8	27.2	27.6	-90.43	377.4	-375.6	660.1	606.5	53.63	12.308	
7,500.0	7,468.8	7,505.4	7,468.8	27.5	27.9	-90.43	377.4	-375.6	660.1	605.8	54.32	12.152	
7,600.0	7,568.8	7,605.4	7,568.8	27.8	28.2	-90.43	377.4	-375.6	660.1	605.1	55.01	11.999	
7,700.0	7,668.8	7,705.4	7,668.8	28.2	28.6	-90.43	377.4	-375.6	660.1	604.4	55.70	11.850	
7,709.5	7,678.3	7,714.9	7,678.3	28.2	28.6	-90.44	377.3	-375.6	660.1	604.3	55.77	11.836	
7,800.0	7,768.8	7,804.4	7,767.3	28.5	28.9	-91.19	368.8	-375.5	660.1	603.8	56.35	11.715	
7,900.0	7,868.8	7,897.8	7,857.6	28.9	29.1	-93.23	345.2	-375.3	661.0	604.0	56.93	11.610	
8,000.0	7,968.8	7,981.6	7,934.4	29.2	29.2	-96.12	311.7	-375.1	664.2	606.8	57.39	11.573	
8,100.0	8,068.8	8,054.4	7,996.5	29.6	29.4	-99.34	273.9	-374.8	672.0	614.4	57.63	11.661	
8,200.0	8,168.8	8,116.2	8,045.1	29.9	29.4	-102.54	235.8	-374.5	686.3	628.8	57.49	11.937	
8,300.0	8,268.8	8,168.2	8,082.7	30.3	29.5	-105.49	199.9	-374.2	708.4	651.5	56.88	12.456	
8,400.0	8,368.8	8,211.9	8,111.6	30.6	29.5	-108.11	167.1	-373.9	739.0	683.2	55.76	13.252	
8,500.0	8,468.8	8,250.0	8,134.7	30.9	29.5	-110.46	136.8	-373.7	777.9	723.7	54.25	14.341	
8,600.0	8,568.8	8,280.0	8,151.5	31.3	29.5	-112.34	111.9	-373.5	824.8	772.4	52.38	15.747	
8,700.0	8,668.8	8,300.0	8,161.9	31.6	29.5	-113.61	94.9	-373.4	878.9	828.7	50.23	17.496	
8,800.0	8,768.8	8,329.6	8,176.3	32.0	29.5	-115.48	69.0	-373.2	939.1	890.8	48.33	19.432	
8,900.0	8,868.8	8,350.0	8,185.3	32.3	29.5	-116.77	50.8	-373.0	1,004.8	958.4	46.34	21.684	
9,000.0	8,968.8	8,366.9	8,192.4	32.7	29.5	-117.83	35.4	-372.9	1,075.0	1,030.5	44.43	24.197	
9,100.0	9,068.8	8,382.1	8,198.3	33.0	29.5	-118.78	21.4	-372.8	1,149.0	1,106.3	42.66	26.932	
9,200.0	9,168.8	8,400.0	8,204.8	33.4	29.5	-119.89	4.7	-372.7	1,226.3	1,185.2	41.14	29.809	
9,300.0	9,268.8	8,400.0	8,204.8	33.7	29.5	-119.89	4.7	-372.7	1,306.4	1,266.9	39.46	33.105	
9,400.0	9,368.8	8,418.4	8,211.0	34.1	29.5	-121.01	-12.6	-372.6	1,388.7	1,350.4	38.30	36.253	
9,500.0	9,468.8	8,428.1	8,214.0	34.4	29.5	-121.60	-21.8	-372.5	1,473.0	1,435.8	37.15	39.648	
9,600.0	9,568.8	8,450.0	8,220.2	34.8	29.5	-122.92	-42.8	-372.3	1,559.2	1,522.8	36.34	42.900	
9,700.0	9,668.8	8,450.0	8,220.2	35.1	29.5	-122.92	-42.8	-372.3	1,646.4	1,611.1	35.32	46.620	
9,800.0	9,768.8	8,450.0	8,220.2	35.5	29.5	-122.92	-42.8	-372.3	1,735.1	1,700.6	34.42	50.405	
9,900.0	9,868.8	8,450.0	8,220.2	35.8	29.5	-122.92	-42.8	-372.3	1,824.9	1,791.2	33.65	54.232	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #101H - 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
10,000.0	9,968.8	8,450.0	8,220.2	36.2	29.5	-122.92	-42.8	-372.3	1,915.7	1,882.7	32.98	58.081	
10,100.0	10,068.8	8,470.4	8,225.3	36.5	29.5	-124.12	-62.5	-372.2	2,006.9	1,974.3	32.67	61.433	
10,200.0	10,168.8	8,475.5	8,226.5	36.9	29.5	-124.42	-67.6	-372.1	2,099.1	2,066.9	32.23	65.121	
10,300.0	10,268.8	8,480.3	8,227.5	37.2	29.5	-124.70	-72.3	-372.1	2,192.0	2,160.1	31.87	68.786	
10,348.2	10,317.0	8,500.0	8,231.4	37.4	29.5	-125.83	-91.5	-372.0	2,237.2	2,205.3	31.91	70.107	
10,350.0	10,318.8	8,500.0	8,231.4	37.4	29.5	54.23	-91.5	-372.0	2,238.9	2,207.0	31.90	70.176	
10,400.0	10,368.8	8,500.0	8,231.4	37.6	29.5	45.10	-91.5	-372.0	2,285.1	2,253.4	31.70	72.076	
10,450.0	10,418.3	8,500.0	8,231.4	37.7	29.5	38.18	-91.5	-372.0	2,330.1	2,298.7	31.49	74.006	
10,500.0	10,467.1	8,500.0	8,231.4	37.8	29.5	32.94	-91.5	-372.0	2,373.9	2,342.6	31.26	75.949	
10,550.0	10,514.7	8,500.0	8,231.4	38.0	29.5	28.92	-91.5	-372.0	2,416.0	2,385.0	31.02	77.889	
10,600.0	10,560.8	8,500.0	8,231.4	38.1	29.5	25.79	-91.5	-372.0	2,456.3	2,425.5	30.78	79.807	
10,650.0	10,605.1	8,500.0	8,231.4	38.2	29.5	23.31	-91.5	-372.0	2,494.6	2,464.0	30.54	81.683	
10,700.0	10,647.1	8,500.0	8,231.4	38.2	29.5	21.34	-91.5	-372.0	2,530.6	2,500.3	30.31	83.495	
10,750.0	10,686.7	8,522.1	8,235.0	38.3	29.5	19.60	-113.3	-371.8	2,563.7	2,533.5	30.27	84.705	
10,800.0	10,723.4	8,529.3	8,236.0	38.4	29.5	18.30	-120.4	-371.7	2,594.4	2,564.3	30.11	86.167	
10,850.0	10,757.1	8,550.0	8,238.4	38.4	29.5	17.18	-141.0	-371.6	2,622.4	2,592.4	30.06	87.241	
10,900.0	10,787.4	8,550.0	8,238.4	38.5	29.5	16.36	-141.0	-371.6	2,647.2	2,617.3	29.88	88.589	
10,950.0	10,814.1	8,550.0	8,238.4	38.5	29.5	15.69	-141.0	-371.6	2,668.9	2,639.2	29.74	89.747	
11,000.0	10,837.1	8,550.0	8,238.4	38.5	29.5	15.16	-141.0	-371.6	2,687.6	2,658.0	29.64	90.688	
11,050.0	10,856.0	8,550.0	8,238.4	38.6	29.5	14.73	-141.0	-371.6	2,703.2	2,673.6	29.58	91.387	
11,100.0	10,870.9	8,578.4	8,240.4	38.6	29.6	14.38	-169.3	-371.4	2,714.8	2,685.1	29.68	91.459	
11,150.0	10,881.6	8,604.6	8,241.0	38.7	29.7	14.15	-195.5	-371.2	2,723.6	2,693.8	29.80	91.410	
11,200.0	10,887.9	8,604.6	8,241.0	38.8	29.7	14.03	-195.5	-371.2	2,728.5	2,698.6	29.86	91.379	
11,248.2	10,890.0	8,604.7	8,241.0	38.9	29.7	13.99	-195.6	-371.2	2,730.0	2,700.0	29.97	91.076	
11,300.0	10,890.0	8,656.5	8,241.0	39.0	29.9	13.99	-247.4	-370.8	2,730.0	2,699.8	30.25	90.254	
11,400.0	10,890.0	8,756.5	8,241.0	39.3	30.3	13.99	-347.4	-370.0	2,730.0	2,699.2	30.83	88.547	
11,500.0	10,890.0	8,856.5	8,241.0	39.6	30.8	13.99	-447.4	-369.2	2,730.0	2,698.5	31.50	86.675	
11,600.0	10,890.0	8,956.5	8,241.0	40.0	31.3	13.99	-547.4	-368.5	2,730.0	2,697.8	32.24	84.676	
11,700.0	10,890.0	9,056.5	8,241.0	40.5	31.9	13.99	-647.4	-367.7	2,730.0	2,696.9	33.06	82.586	
11,800.0	10,890.0	9,156.5	8,241.0	41.0	32.6	13.99	-747.4	-366.9	2,730.0	2,696.1	33.94	80.439	
11,900.0	10,890.0	9,256.5	8,241.0	41.6	33.3	13.99	-847.4	-366.1	2,730.0	2,695.1	34.88	78.263	
12,000.0	10,890.0	9,356.5	8,241.0	42.2	34.1	13.99	-947.4	-365.4	2,730.0	2,694.1	35.88	76.081	
12,100.0	10,890.0	9,456.5	8,241.0	42.9	35.0	13.99	-1,047.4	-364.6	2,730.0	2,693.1	36.94	73.913	
12,200.0	10,890.0	9,556.5	8,241.0	43.6	35.9	13.99	-1,147.4	-363.8	2,730.0	2,692.0	38.03	71.776	
12,300.0	10,890.0	9,656.5	8,241.0	44.4	36.9	13.99	-1,247.4	-363.1	2,730.0	2,690.8	39.18	69.681	
12,400.0	10,890.0	9,756.5	8,241.0	45.3	37.9	13.99	-1,347.4	-362.3	2,730.0	2,689.6	40.36	67.638	
12,500.0	10,890.0	9,856.5	8,241.0	46.2	39.0	13.99	-1,447.4	-361.5	2,730.0	2,688.4	41.58	65.654	
12,600.0	10,890.0	9,956.5	8,241.0	47.1	40.1	13.99	-1,547.4	-360.8	2,730.0	2,687.2	42.83	63.733	
12,700.0	10,890.0	10,056.5	8,241.0	48.0	41.2	13.99	-1,647.4	-360.0	2,730.0	2,685.9	44.12	61.878	
12,800.0	10,890.0	10,156.5	8,241.0	49.0	42.4	13.99	-1,747.4	-359.2	2,730.0	2,684.6	45.43	60.091	
12,900.0	10,890.0	10,256.5	8,241.0	50.1	43.6	13.99	-1,847.4	-358.5	2,730.0	2,683.2	46.77	58.372	
13,000.0	10,890.0	10,356.5	8,241.0	51.1	44.8	13.99	-1,947.4	-357.7	2,730.0	2,681.9	48.13	56.720	
13,100.0	10,890.0	10,456.5	8,241.0	52.2	46.0	13.99	-2,047.4	-356.9	2,730.0	2,680.5	49.51	55.135	
13,200.0	10,890.0	10,556.5	8,241.0	53.3	47.3	13.99	-2,147.4	-356.2	2,730.0	2,679.1	50.92	53.615	
13,300.0	10,890.0	10,656.5	8,241.0	54.5	48.6	13.99	-2,247.4	-355.4	2,730.0	2,677.7	52.34	52.159	
13,400.0	10,890.0	10,756.5	8,241.0	55.7	49.9	13.99	-2,347.4	-354.6	2,730.0	2,676.2	53.78	50.763	
13,500.0	10,890.0	10,856.5	8,241.0	56.9	51.3	13.99	-2,447.4	-353.9	2,730.0	2,674.8	55.23	49.426	
13,600.0	10,890.0	10,956.5	8,241.0	58.1	52.6	13.99	-2,547.4	-353.1	2,730.0	2,673.3	56.70	48.145	
13,700.0	10,890.0	11,056.5	8,241.0	59.3	54.0	13.99	-2,647.4	-352.3	2,730.0	2,671.8	58.19	46.918	
13,800.0	10,890.0	11,156.5	8,241.0	60.6	55.4	13.99	-2,747.4	-351.6	2,730.0	2,670.3	59.68	45.742	
13,900.0	10,890.0	11,256.5	8,241.0	61.9	56.8	13.99	-2,847.4	-350.8	2,730.0	2,668.8	61.19	44.616	
14,000.0	10,890.0	11,356.5	8,241.0	63.2	58.2	13.99	-2,947.4	-350.0	2,730.0	2,667.3	62.71	43.536	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #101H - 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	10,890.0	11,456.5	8,241.0	64.5	59.7	13.99	-3,047.4	-349.3	2,730.0	2,665.8	64.23	42.501	
14,200.0	10,890.0	11,556.5	8,241.0	65.8	61.1	13.99	-3,147.4	-348.5	2,730.0	2,664.2	65.77	41.507	
14,300.0	10,890.0	11,656.5	8,241.0	67.2	62.6	13.99	-3,247.4	-347.7	2,730.0	2,662.7	67.32	40.554	
14,400.0	10,890.0	11,756.5	8,241.0	68.5	64.0	13.99	-3,347.4	-347.0	2,730.0	2,661.1	68.87	39.639	
14,500.0	10,890.0	11,856.5	8,241.0	69.9	65.5	13.99	-3,447.3	-346.2	2,730.0	2,659.6	70.43	38.760	
14,600.0	10,890.0	11,956.5	8,241.0	71.3	67.0	13.99	-3,547.3	-345.4	2,730.0	2,658.0	72.00	37.916	
14,700.0	10,890.0	12,056.5	8,241.0	72.7	68.4	13.99	-3,647.3	-344.6	2,730.0	2,656.4	73.58	37.104	
14,800.0	10,890.0	12,156.5	8,241.0	74.1	69.9	13.99	-3,747.3	-343.9	2,730.0	2,654.8	75.16	36.323	
14,900.0	10,890.0	12,256.5	8,241.0	75.5	71.4	13.99	-3,847.3	-343.1	2,730.0	2,653.2	76.75	35.572	
15,000.0	10,890.0	12,356.5	8,241.0	76.9	73.0	13.99	-3,947.3	-342.3	2,730.0	2,651.7	78.34	34.849	
15,100.0	10,890.0	12,456.5	8,241.0	78.3	74.5	13.99	-4,047.3	-341.6	2,730.0	2,650.1	79.94	34.152	
15,200.0	10,890.0	12,556.5	8,241.0	79.8	76.0	13.99	-4,147.3	-340.8	2,730.0	2,648.4	81.54	33.481	
15,300.0	10,890.0	12,656.5	8,241.0	81.2	77.5	13.99	-4,247.3	-340.0	2,730.0	2,646.8	83.15	32.833	
15,400.0	10,890.0	12,756.5	8,241.0	82.7	79.0	13.99	-4,347.3	-339.3	2,730.0	2,645.2	84.76	32.209	
15,500.0	10,890.0	12,856.5	8,241.0	84.1	80.6	13.99	-4,447.3	-338.5	2,730.0	2,643.6	86.38	31.606	
15,600.0	10,890.0	12,956.5	8,241.0	85.6	82.1	13.99	-4,547.3	-337.7	2,730.0	2,642.0	88.00	31.024	
15,700.0	10,890.0	13,056.5	8,241.0	87.1	83.7	13.99	-4,647.3	-337.0	2,730.0	2,640.4	89.62	30.462	
15,800.0	10,890.0	13,156.5	8,241.0	88.6	85.2	13.99	-4,747.3	-336.2	2,730.0	2,638.7	91.25	29.919	
15,900.0	10,890.0	13,256.5	8,241.0	90.1	86.8	13.99	-4,847.3	-335.4	2,730.0	2,637.1	92.88	29.394	
16,000.0	10,890.0	13,356.5	8,241.0	91.6	88.3	13.99	-4,947.3	-334.7	2,730.0	2,635.5	94.51	28.886	
16,100.0	10,890.0	13,456.5	8,241.0	93.1	89.9	13.99	-5,047.3	-333.9	2,730.0	2,633.8	96.15	28.394	
16,200.0	10,890.0	13,556.5	8,241.0	94.6	91.4	13.99	-5,147.3	-333.1	2,730.0	2,632.2	97.79	27.918	
16,300.0	10,890.0	13,656.5	8,241.0	96.1	93.0	13.99	-5,247.3	-332.4	2,730.0	2,630.6	99.43	27.457	
16,400.0	10,890.0	13,756.5	8,241.0	97.6	94.6	13.99	-5,347.3	-331.6	2,730.0	2,628.9	101.07	27.010	
16,500.0	10,890.0	13,856.5	8,241.0	99.1	96.1	13.99	-5,447.3	-330.8	2,730.0	2,627.3	102.72	26.577	
16,600.0	10,890.0	13,956.5	8,241.0	100.6	97.7	13.99	-5,547.3	-330.1	2,730.0	2,625.6	104.37	26.157	
16,700.0	10,890.0	14,056.5	8,241.0	102.2	99.3	13.99	-5,647.3	-329.3	2,730.0	2,624.0	106.02	25.750	
16,800.0	10,890.0	14,156.5	8,241.0	103.7	100.9	13.99	-5,747.3	-328.5	2,730.0	2,622.3	107.67	25.354	
16,900.0	10,890.0	14,256.5	8,241.0	105.2	102.4	13.99	-5,847.3	-327.8	2,730.0	2,620.7	109.33	24.970	
17,000.0	10,890.0	14,356.5	8,241.0	106.8	104.0	13.99	-5,947.3	-327.0	2,730.0	2,619.0	110.99	24.597	
17,100.0	10,890.0	14,456.5	8,241.0	108.3	105.6	13.99	-6,047.3	-326.2	2,730.0	2,617.3	112.65	24.235	
17,200.0	10,890.0	14,556.5	8,241.0	109.9	107.2	13.99	-6,147.3	-325.4	2,730.0	2,615.7	114.31	23.883	
17,300.0	10,890.0	14,656.5	8,241.0	111.4	108.8	13.99	-6,247.3	-324.7	2,730.0	2,614.0	115.97	23.540	
17,400.0	10,890.0	14,756.5	8,241.0	112.9	110.4	13.99	-6,347.3	-323.9	2,730.0	2,612.3	117.64	23.207	
17,500.0	10,890.0	14,856.5	8,241.0	114.5	112.0	13.99	-6,447.3	-323.1	2,730.0	2,610.7	119.30	22.883	
17,600.0	10,890.0	14,956.5	8,241.0	116.1	113.6	13.99	-6,547.3	-322.4	2,730.0	2,609.0	120.97	22.568	
17,700.0	10,890.0	15,056.5	8,241.0	117.6	115.2	13.99	-6,647.3	-321.6	2,730.0	2,607.3	122.64	22.260	
17,800.0	10,890.0	15,156.5	8,241.0	119.2	116.8	13.99	-6,747.3	-320.8	2,730.0	2,605.7	124.31	21.961	
17,900.0	10,890.0	15,256.5	8,241.0	120.7	118.4	13.99	-6,847.2	-320.1	2,730.0	2,604.0	125.98	21.670	
18,000.0	10,890.0	15,356.5	8,241.0	122.3	120.0	13.99	-6,947.2	-319.3	2,730.0	2,602.3	127.65	21.386	
18,100.0	10,890.0	15,456.5	8,241.0	123.9	121.6	13.99	-7,047.2	-318.5	2,730.0	2,600.7	129.33	21.109	
18,200.0	10,890.0	15,556.5	8,241.0	125.5	123.2	13.99	-7,147.2	-317.8	2,730.0	2,599.0	131.00	20.839	
18,300.0	10,890.0	15,656.5	8,241.0	127.0	124.8	13.99	-7,247.2	-317.0	2,730.0	2,597.3	132.68	20.576	
18,400.0	10,890.0	15,756.5	8,241.0	128.6	126.4	13.99	-7,347.2	-316.2	2,730.0	2,595.6	134.36	20.319	
18,500.0	10,890.0	15,856.5	8,241.0	130.2	128.0	13.99	-7,447.2	-315.5	2,730.0	2,593.9	136.03	20.068	
18,600.0	10,890.0	15,956.5	8,241.0	131.8	129.6	13.99	-7,547.2	-314.7	2,730.0	2,592.3	137.71	19.823	
18,700.0	10,890.0	16,056.5	8,241.0	133.3	131.2	13.99	-7,647.2	-313.9	2,730.0	2,590.6	139.39	19.584	
18,800.0	10,890.0	16,156.5	8,241.0	134.9	132.8	13.99	-7,747.2	-313.2	2,730.0	2,588.9	141.08	19.351	
18,900.0	10,890.0	16,256.5	8,241.0	136.5	134.4	13.99	-7,847.2	-312.4	2,730.0	2,587.2	142.76	19.123	
19,000.0	10,890.0	16,356.5	8,241.0	138.1	136.0	13.99	-7,947.2	-311.6	2,730.0	2,585.5	144.44	18.900	
19,100.0	10,890.0	16,456.5	8,241.0	139.7	137.7	13.99	-8,047.2	-310.9	2,730.0	2,583.9	146.13	18.682	
19,200.0	10,890.0	16,556.5	8,241.0	141.3	139.3	13.99	-8,147.2	-310.1	2,730.0	2,582.2	147.81	18.469	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #101H - 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	10,890.0	16,656.5	8,241.0	142.9	140.9	13.99	-8,247.2	-309.3	2,730.0	2,580.5	149.50	18.261	
19,400.0	10,890.0	16,756.5	8,241.0	144.4	142.5	13.99	-8,347.2	-308.6	2,730.0	2,578.8	151.18	18.057	
19,500.0	10,890.0	16,856.5	8,241.0	146.0	144.1	13.99	-8,447.2	-307.8	2,730.0	2,577.1	152.87	17.858	
19,600.0	10,890.0	16,956.5	8,241.0	147.6	145.7	13.99	-8,547.2	-307.0	2,730.0	2,575.4	154.56	17.663	
19,700.0	10,890.0	17,056.5	8,241.0	149.2	147.4	13.99	-8,647.2	-306.3	2,730.0	2,573.7	156.25	17.472	
19,800.0	10,890.0	17,156.5	8,241.0	150.8	149.0	13.99	-8,747.2	-305.5	2,730.0	2,572.0	157.94	17.285	
19,900.0	10,890.0	17,256.5	8,241.0	152.4	150.6	13.99	-8,847.2	-304.7	2,730.0	2,570.4	159.62	17.102	
20,000.0	10,890.0	17,356.5	8,241.0	154.0	152.2	13.99	-8,947.2	-303.9	2,730.0	2,568.7	161.32	16.923	
20,100.0	10,890.0	17,456.5	8,241.0	155.6	153.8	13.99	-9,047.2	-303.2	2,730.0	2,567.0	163.01	16.748	
20,200.0	10,890.0	17,556.5	8,241.0	157.2	155.5	13.99	-9,147.2	-302.4	2,730.0	2,565.3	164.70	16.576	
20,300.0	10,890.0	17,656.5	8,241.0	158.8	157.1	13.99	-9,247.2	-301.6	2,730.0	2,563.6	166.39	16.407	
20,400.0	10,890.0	17,756.5	8,241.0	160.4	158.7	13.99	-9,347.2	-300.9	2,730.0	2,561.9	168.08	16.242	
20,500.0	10,890.0	17,856.5	8,241.0	162.0	160.3	13.99	-9,447.2	-300.1	2,730.0	2,560.2	169.78	16.080	
20,600.0	10,890.0	17,956.5	8,241.0	163.6	161.9	13.99	-9,547.2	-299.3	2,730.0	2,558.5	171.47	15.921	
20,700.0	10,890.0	18,056.5	8,241.0	165.2	163.6	13.99	-9,647.2	-298.6	2,730.0	2,556.8	173.16	15.765	
20,800.0	10,890.0	18,156.5	8,241.0	166.9	165.2	13.99	-9,747.2	-297.8	2,730.0	2,555.1	174.86	15.612	
20,900.0	10,890.0	18,256.5	8,241.0	168.5	166.8	13.99	-9,847.2	-297.0	2,730.0	2,553.4	176.55	15.463	
21,000.0	10,890.0	18,356.5	8,241.0	170.1	168.5	13.99	-9,947.2	-296.3	2,730.0	2,551.7	178.25	15.315	
21,100.0	10,890.0	18,456.5	8,241.0	171.7	170.1	13.99	-10,047.2	-295.5	2,730.0	2,550.0	179.95	15.171	
21,187.1	10,890.0	18,543.6	8,241.0	173.1	171.5	13.99	-10,134.2	-294.8	2,730.0	2,548.5	181.42	15.048	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #105H - 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	89.60	0.4	60.0	60.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.60	0.4	60.0	60.0	59.8	0.26	234.171	
200.0	200.0	200.0	200.0	0.5	0.5	89.60	0.4	60.0	60.0	59.0	0.97	61.669	
300.0	300.0	300.0	300.0	0.8	0.8	89.60	0.4	60.0	60.0	58.3	1.69	35.511	
400.0	400.0	400.0	400.0	1.2	1.2	89.60	0.4	60.0	60.0	57.6	2.41	24.934	
500.0	500.0	500.0	500.0	1.6	1.6	89.60	0.4	60.0	60.0	56.9	3.12	19.212	
600.0	600.0	600.0	600.0	1.9	1.9	89.60	0.4	60.0	60.0	56.2	3.84	15.626	
700.0	700.0	700.0	700.0	2.3	2.3	89.60	0.4	60.0	60.0	55.5	4.56	13.168	
800.0	800.0	800.0	800.0	2.6	2.6	89.60	0.4	60.0	60.0	54.7	5.27	11.378	
900.0	900.0	900.0	900.0	3.0	3.0	89.60	0.4	60.0	60.0	54.0	5.99	10.017	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.60	0.4	60.0	60.0	53.3	6.71	8.946	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.60	0.4	60.0	60.0	52.6	7.43	8.083	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.60	0.4	60.0	60.0	51.9	8.14	7.371	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	0.4	60.0	60.0	51.2	8.86	6.775	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.60	0.4	60.0	60.0	50.4	9.58	6.267	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.60	0.4	60.0	60.0	49.7	10.29	5.831	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	89.60	0.4	60.0	60.0	49.0	11.01	5.451	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	89.60	0.4	60.0	60.0	48.3	11.73	5.118	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	89.60	0.4	60.0	60.0	47.6	12.44	4.823	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	89.60	0.4	60.0	60.0	46.9	13.16	4.560	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	89.60	0.4	60.0	60.0	46.1	13.88	4.325	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	89.60	0.4	60.0	60.0	45.4	14.60	4.112	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	89.60	0.4	60.0	60.0	44.7	15.31	3.920	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	89.60	0.4	60.0	60.0	44.0	16.03	3.744	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	89.60	0.4	60.0	60.0	43.3	16.75	3.584	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	89.60	0.4	60.0	60.0	42.6	17.46	3.437	
2,600.0	2,600.0	2,599.6	2,599.6	9.1	9.1	88.84	1.2	60.3	60.4	42.2	18.18	3.320	
2,700.0	2,700.0	2,699.1	2,699.1	9.4	9.4	86.61	3.6	61.3	61.4	42.5	18.89	3.252	
2,800.0	2,800.0	2,798.5	2,798.4	9.8	9.8	83.09	7.6	62.9	63.4	43.8	19.60	3.236	
2,900.0	2,900.0	2,897.8	2,897.4	10.2	10.2	78.54	13.2	65.2	66.6	46.3	20.30	3.279	
3,000.0	3,000.0	2,996.8	2,996.1	10.5	10.5	73.34	20.4	68.1	71.2	50.2	21.00	3.389	
3,100.0	3,100.0	3,095.5	3,094.5	10.9	10.9	31.55	29.1	71.6	76.7	55.1	21.69	3.539	
3,200.0	3,200.0	3,194.2	3,192.5	11.2	11.2	26.90	39.4	75.8	82.6	60.2	22.36	3.693	
3,300.0	3,299.9	3,307.5	3,290.0	11.6	11.6	22.65	51.2	80.5	88.7	65.6	23.08	3.842	
3,400.0	3,399.7	3,407.8	3,388.7	11.9	12.0	18.94	64.0	85.7	94.3	70.6	23.78	3.967	
3,500.0	3,499.4	3,508.0	3,487.5	12.3	12.4	15.93	76.9	90.9	98.7	74.2	24.49	4.030	
3,600.0	3,598.9	3,608.2	3,586.4	12.7	12.7	13.41	89.8	96.2	101.6	76.4	25.20	4.032	
3,700.0	3,698.3	3,708.2	3,685.4	13.0	13.1	11.23	102.7	101.4	103.0	77.1	25.91	3.974	
3,800.0	3,797.4	3,791.7	3,784.3	13.4	13.4	9.26	115.6	106.6	102.8	76.2	26.56	3.869	
3,900.0	3,896.4	3,908.4	3,883.3	13.8	13.9	7.35	128.4	111.8	101.8	74.5	27.34	3.724	
4,000.0	3,995.5	4,008.4	3,982.2	14.1	14.3	5.41	141.3	117.0	101.0	72.9	28.05	3.599	
4,100.0	4,094.5	4,091.5	4,081.2	14.5	14.6	3.43	154.2	122.2	100.3	71.5	28.71	3.492	
4,200.0	4,193.5	4,208.6	4,180.2	14.9	15.0	1.43	167.1	127.4	99.7	70.2	29.49	3.380	
4,300.0	4,292.5	4,308.6	4,279.1	15.2	15.4	-0.59	180.0	132.7	99.2	69.0	30.21	3.283	
4,400.0	4,391.6	4,408.7	4,378.1	15.6	15.8	-2.63	192.9	137.9	98.8	67.9	30.93	3.196	
4,500.0	4,490.6	4,508.7	4,477.1	16.0	16.2	-4.68	205.8	143.1	98.6	67.0	31.65	3.116	
4,600.0	4,589.6	4,608.8	4,576.0	16.4	16.6	-6.74	218.7	148.3	98.5	66.1	32.38	3.043	
4,624.4	4,613.8	4,615.6	4,600.2	16.5	16.6	-7.24	221.9	149.6	98.5	66.0	32.49	3.032	
4,700.0	4,688.6	4,708.9	4,675.0	16.8	17.0	-8.80	231.6	153.5	98.6	65.4	33.11	2.977	
4,800.0	4,787.7	4,791.1	4,774.0	17.2	17.3	-10.86	244.5	158.7	98.7	64.9	33.77	2.923	
4,900.0	4,886.7	4,909.0	4,872.9	17.5	17.8	-12.90	257.4	163.9	99.0	64.4	34.57	2.864	
5,000.0	4,985.7	5,009.1	4,971.9	17.9	18.2	-14.93	270.3	169.2	99.4	64.1	35.31	2.816	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #105H - 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
5,100.0	5,084.8	5,109.1	5,070.9	18.3	18.6	-16.94	283.2	174.4	99.9	63.9	36.05	2.772	
5,200.0	5,183.8	5,209.2	5,169.8	18.7	19.0	-18.93	296.1	179.6	100.6	63.8	36.80	2.734	
5,300.0	5,282.8	5,309.2	5,268.8	19.1	19.4	-20.89	309.0	184.8	101.4	63.8	37.55	2.700	
5,400.0	5,381.8	5,390.7	5,367.7	19.5	19.7	-22.82	321.9	190.0	102.3	64.0	38.23	2.675	
5,500.0	5,480.9	5,490.6	5,466.7	19.9	20.1	-24.71	334.8	195.2	103.3	64.3	38.99	2.649	
5,600.0	5,579.9	5,590.6	5,565.7	20.3	20.5	-26.57	347.6	200.4	104.4	64.7	39.75	2.626	
5,700.0	5,678.9	5,693.2	5,667.5	20.7	20.9	-28.60	359.7	205.3	104.4	63.8	40.60	2.572	
5,800.0	5,777.9	5,795.7	5,769.5	21.1	21.3	-31.06	369.2	209.1	101.9	60.5	41.42	2.461	
5,900.0	5,877.0	5,898.0	5,871.5	21.5	21.7	-34.16	376.1	212.0	97.1	54.9	42.23	2.300	
6,000.0	5,976.0	5,999.9	5,973.3	21.9	22.1	-38.24	380.5	213.7	90.2	47.1	43.04	2.095	
6,100.0	6,075.0	6,101.2	6,074.5	22.3	22.4	-43.86	382.4	214.5	81.4	37.5	43.87	1.856	
6,200.0	6,174.0	6,200.7	6,174.0	22.7	22.8	-51.51	382.4	214.5	72.0	27.3	44.77	1.609	
6,300.0	6,273.1	6,300.3	6,273.1	23.1	23.1	-61.20	382.4	214.5	64.2	18.5	45.73	1.405	Level 3
6,400.0	6,372.1	6,401.3	6,372.1	23.5	23.5	-73.07	382.4	214.5	58.8	12.0	46.72	1.258	Level 3
6,500.0	6,471.1	6,502.2	6,471.1	23.9	23.8	-86.62	382.4	214.5	56.3	8.6	47.63	1.181	Level 2
6,524.1	6,495.0	6,521.6	6,495.0	24.0	23.9	-90.00	382.4	214.5	56.2	8.4	47.81	1.175	Level 2, CC
6,557.1	6,527.6	6,554.3	6,527.6	24.1	24.0	-94.63	382.4	214.5	56.4	8.3	48.06	1.173	Level 2, ES
6,600.0	6,570.2	6,603.2	6,570.2	24.3	24.2	-100.33	382.4	214.5	57.1	8.7	48.38	1.180	Level 2
6,700.0	6,669.5	6,703.8	6,669.5	24.7	24.5	-111.14	382.4	214.5	60.3	11.3	49.00	1.230	Level 2
6,800.0	6,769.1	6,804.2	6,769.1	25.1	24.8	-118.61	382.4	214.5	64.0	14.4	49.59	1.291	Level 3
6,900.0	6,868.9	6,904.4	6,868.9	25.4	25.2	-123.35	382.4	214.5	67.3	17.1	50.21	1.340	Level 3
7,000.0	6,968.8	7,004.5	6,968.8	25.8	25.5	-125.92	382.4	214.5	69.4	18.5	50.85	1.364	Level 3
7,090.4	7,059.2	7,085.9	7,059.2	26.1	25.8	-89.98	382.4	214.5	70.0	18.6	51.43	1.361	Level 3
7,100.0	7,068.8	7,104.5	7,068.8	26.1	25.9	-89.98	382.4	214.5	70.0	18.5	51.53	1.358	Level 3
7,200.0	7,168.8	7,204.5	7,168.8	26.5	26.2	-89.98	382.4	214.5	70.0	17.8	52.22	1.340	Level 3
7,300.0	7,268.8	7,304.5	7,268.8	26.8	26.6	-89.98	382.4	214.5	70.0	17.1	52.92	1.323	Level 3
7,400.0	7,368.8	7,404.5	7,368.8	27.2	26.9	-89.98	382.4	214.5	70.0	16.4	53.61	1.306	Level 3
7,500.0	7,468.8	7,504.5	7,468.8	27.5	27.3	-89.98	382.4	214.5	70.0	15.7	54.31	1.289	Level 3
7,600.0	7,568.8	7,604.5	7,568.8	27.8	27.6	-89.98	382.4	214.5	70.0	15.0	55.00	1.273	Level 3
7,700.0	7,668.8	7,704.5	7,668.8	28.2	28.0	-89.98	382.4	214.5	70.0	14.3	55.70	1.257	Level 3
7,800.0	7,768.8	7,804.5	7,768.8	28.5	28.3	-89.98	382.4	214.5	70.0	13.6	56.39	1.241	Level 2
7,900.0	7,868.8	7,904.5	7,868.8	28.9	28.7	-89.98	382.4	214.5	70.0	12.9	57.09	1.226	Level 2
8,000.0	7,968.8	8,004.5	7,968.8	29.2	29.0	-89.98	382.4	214.5	70.0	12.2	57.79	1.211	Level 2
8,100.0	8,068.8	8,104.5	8,068.8	29.6	29.4	-89.98	382.4	214.5	70.0	11.5	58.49	1.197	Level 2
8,200.0	8,168.8	8,195.5	8,168.8	29.9	29.7	-89.98	382.4	214.5	70.0	10.8	59.15	1.183	Level 2
8,300.0	8,268.8	8,296.0	8,269.0	30.3	30.0	-95.30	376.0	215.2	69.6	9.9	59.70	1.166	Level 2
8,306.3	8,275.1	8,302.2	8,275.1	30.3	30.0	-96.10	375.0	215.3	69.6	9.9	59.72	1.165	Level 2, SF
8,400.0	8,368.8	8,391.6	8,361.9	30.6	30.2	-113.03	354.0	217.6	73.1	13.6	59.46	1.229	Level 2
8,500.0	8,468.8	8,477.8	8,441.5	30.9	30.4	-133.99	321.2	221.1	92.3	35.4	56.95	1.621	
8,600.0	8,568.8	8,552.7	8,505.9	31.3	30.5	-149.06	283.3	225.1	131.6	78.8	52.75	2.494	
8,700.0	8,668.8	8,616.3	8,556.4	31.6	30.6	-158.10	244.9	229.2	186.1	137.5	48.57	3.831	
8,800.0	8,768.8	8,669.8	8,595.2	32.0	30.7	-163.55	208.4	233.1	251.1	206.2	44.90	5.593	
8,900.0	8,868.8	8,714.6	8,625.1	32.3	30.7	-167.00	175.2	236.7	323.5	281.7	41.78	7.743	
9,000.0	8,968.8	8,750.0	8,646.7	32.7	30.8	-169.20	147.3	239.6	401.3	362.4	38.92	10.312	
9,100.0	9,068.8	8,784.1	8,665.9	33.0	30.8	-170.96	119.3	242.6	483.0	446.1	36.96	13.070	
9,200.0	9,168.8	8,811.2	8,680.0	33.4	30.9	-172.16	96.2	245.1	567.8	532.7	35.13	16.164	
9,300.0	9,268.8	8,834.5	8,691.2	33.7	30.9	-173.07	75.9	247.3	655.0	621.4	33.62	19.485	
9,400.0	9,368.8	8,850.0	8,698.1	34.1	30.9	-173.63	62.2	248.7	744.1	712.0	32.09	23.186	
9,500.0	9,468.8	8,872.3	8,707.5	34.4	30.9	-174.36	42.1	250.9	834.6	803.3	31.34	26.634	
9,600.0	9,568.8	8,900.0	8,718.0	34.8	31.0	-175.17	16.6	253.6	926.7	895.6	31.06	29.836	
9,700.0	9,668.8	8,900.0	8,718.0	35.1	31.0	-175.17	16.6	253.6	1,019.2	989.5	29.75	34.255	
9,800.0	9,768.8	8,900.0	8,718.0	35.5	31.0	-175.17	16.6	253.6	1,113.1	1,084.3	28.77	38.692	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #105H - 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	9,868.8	8,924.2	8,726.2	35.8	31.0	-175.81	-6.1	256.0	1,207.2	1,178.4	28.81	41.905	
10,000.0	9,968.8	8,933.9	8,729.2	36.2	31.0	-176.05	-15.3	257.0	1,302.1	1,273.7	28.46	45.754	
10,100.0	10,068.8	8,950.0	8,733.9	36.5	31.1	-176.42	-30.6	258.6	1,397.6	1,369.3	28.39	49.230	
10,200.0	10,168.8	8,950.0	8,733.9	36.9	31.1	-176.42	-30.6	258.6	1,493.5	1,465.5	27.98	53.382	
10,300.0	10,268.8	8,950.0	8,733.9	37.2	31.1	-176.42	-30.6	258.6	1,589.8	1,562.1	27.68	57.443	
10,348.2	10,317.0	8,950.0	8,733.9	37.4	31.1	-176.42	-30.6	258.6	1,636.3	1,608.8	27.56	59.363	
10,350.0	10,318.8	8,950.0	8,733.9	37.4	31.1	3.97	-30.6	258.6	1,638.1	1,610.5	27.56	59.437	
10,400.0	10,368.8	8,950.0	8,733.9	37.6	31.1	2.99	-30.6	258.6	1,685.9	1,658.5	27.42	61.482	
10,450.0	10,418.3	8,969.8	8,739.0	37.7	31.1	2.18	-49.6	260.7	1,731.9	1,704.3	27.62	62.707	
10,500.0	10,467.1	8,975.3	8,740.3	37.8	31.1	1.78	-54.9	261.3	1,776.7	1,749.2	27.47	64.668	
10,550.0	10,514.7	8,981.5	8,741.7	38.0	31.1	1.50	-60.9	261.9	1,819.5	1,792.2	27.30	66.646	
10,600.0	10,560.8	9,000.0	8,745.5	38.1	31.2	1.22	-78.9	263.8	1,860.5	1,833.2	27.31	68.125	
10,650.0	10,605.1	9,000.0	8,745.5	38.2	31.2	1.10	-78.9	263.8	1,898.9	1,871.9	26.97	70.399	
10,700.0	10,647.1	9,000.0	8,745.5	38.2	31.2	1.00	-78.9	263.8	1,934.9	1,908.3	26.64	72.633	
10,750.0	10,686.7	9,000.0	8,745.5	38.3	31.2	0.92	-78.9	263.8	1,968.5	1,942.2	26.32	74.788	
10,800.0	10,723.4	9,020.8	8,749.1	38.4	31.2	0.79	-99.3	266.0	1,999.0	1,972.8	26.28	76.056	
10,850.0	10,757.1	9,029.9	8,750.4	38.4	31.3	0.71	-108.3	267.0	2,026.8	2,000.7	26.10	77.656	
10,900.0	10,787.4	9,050.0	8,752.9	38.5	31.3	0.61	-128.1	269.1	2,051.8	2,025.7	26.05	78.760	
10,950.0	10,814.1	9,050.0	8,752.9	38.5	31.3	0.58	-128.1	269.1	2,073.3	2,047.5	25.82	80.296	
11,000.0	10,837.1	9,050.0	8,752.9	38.5	31.3	0.56	-128.1	269.1	2,091.9	2,066.2	25.66	81.535	
11,050.0	10,856.0	9,069.3	8,754.5	38.6	31.4	0.49	-147.2	271.1	2,107.0	2,081.3	25.68	82.035	
11,100.0	10,870.9	9,079.6	8,755.2	38.6	31.4	0.45	-157.4	272.2	2,118.8	2,093.1	25.69	82.466	
11,150.0	10,881.6	9,100.0	8,755.9	38.7	31.4	0.39	-177.7	274.4	2,127.4	2,101.6	25.80	82.466	
11,200.0	10,887.9	9,100.0	8,755.9	38.8	31.4	0.39	-177.7	274.4	2,132.4	2,106.5	25.88	82.391	
11,248.2	10,890.0	9,114.3	8,756.0	38.9	31.5	0.35	-191.9	275.9	2,134.0	2,108.0	26.07	81.871	
11,300.0	10,890.0	9,165.7	8,756.0	39.0	31.6	0.23	-243.1	280.8	2,134.0	2,107.7	26.35	80.988	
11,400.0	10,890.0	9,265.4	8,756.0	39.3	32.0	0.06	-342.5	287.7	2,134.0	2,107.1	26.95	79.183	
11,469.2	10,890.0	9,334.5	8,756.0	39.5	32.3	0.00	-411.6	290.5	2,134.0	2,106.6	27.41	77.852	
11,500.0	10,890.0	9,365.3	8,756.0	39.6	32.4	-0.01	-442.4	291.2	2,134.0	2,106.4	27.62	77.261	
11,600.0	10,890.0	9,465.3	8,756.0	40.0	32.9	-0.01	-542.4	292.1	2,134.0	2,105.6	28.36	75.249	
11,700.0	10,890.0	9,565.3	8,756.0	40.5	33.5	-0.01	-642.4	292.8	2,134.0	2,104.8	29.16	73.176	
11,800.0	10,890.0	9,665.3	8,756.0	41.0	34.1	-0.01	-742.4	293.6	2,134.0	2,104.0	30.03	71.072	
11,900.0	10,890.0	9,765.3	8,756.0	41.6	34.9	-0.01	-842.3	294.4	2,134.0	2,103.1	30.94	68.962	
12,000.0	10,890.0	9,865.3	8,756.0	42.2	35.6	-0.01	-942.3	295.1	2,134.0	2,102.1	31.91	66.868	
12,100.0	10,890.0	9,965.3	8,756.0	42.9	36.4	-0.01	-1,042.3	295.9	2,134.0	2,101.1	32.93	64.809	
12,200.0	10,890.0	10,065.3	8,756.0	43.6	37.3	-0.01	-1,142.3	296.7	2,134.0	2,100.0	33.98	62.795	
12,300.0	10,890.0	10,165.3	8,756.0	44.4	38.3	-0.01	-1,242.3	297.4	2,134.0	2,098.9	35.08	60.838	
12,400.0	10,890.0	10,265.3	8,756.0	45.3	39.2	-0.01	-1,342.3	298.2	2,134.0	2,097.8	36.20	58.944	
12,500.0	10,890.0	10,365.3	8,756.0	46.2	40.3	-0.01	-1,442.3	298.9	2,134.0	2,096.6	37.36	57.116	
12,600.0	10,890.0	10,465.3	8,756.0	47.1	41.3	-0.01	-1,542.3	299.7	2,134.0	2,095.5	38.55	55.357	
12,700.0	10,890.0	10,565.3	8,756.0	48.0	42.4	-0.01	-1,642.3	300.5	2,134.0	2,094.2	39.76	53.669	
12,800.0	10,890.0	10,665.3	8,756.0	49.0	43.6	-0.01	-1,742.3	301.2	2,134.0	2,093.0	41.00	52.051	
12,900.0	10,890.0	10,765.3	8,756.0	50.1	44.7	-0.01	-1,842.3	302.0	2,134.0	2,091.7	42.26	50.502	
13,000.0	10,890.0	10,865.3	8,756.0	51.1	45.9	-0.01	-1,942.3	302.8	2,134.0	2,090.5	43.53	49.020	
13,100.0	10,890.0	10,965.3	8,756.0	52.2	47.2	-0.01	-2,042.3	303.5	2,134.0	2,089.2	44.83	47.603	
13,200.0	10,890.0	11,065.3	8,756.0	53.3	48.4	-0.01	-2,142.3	304.3	2,134.0	2,087.9	46.14	46.249	
13,300.0	10,890.0	11,165.3	8,756.0	54.5	49.7	-0.01	-2,242.3	305.0	2,134.0	2,086.5	47.47	44.956	
13,400.0	10,890.0	11,265.3	8,756.0	55.7	51.0	-0.01	-2,342.3	305.8	2,134.0	2,085.2	48.81	43.721	
13,500.0	10,890.0	11,365.3	8,756.0	56.9	52.3	-0.01	-2,442.3	306.6	2,134.0	2,083.8	50.16	42.540	
13,600.0	10,890.0	11,465.3	8,756.0	58.1	53.6	-0.01	-2,542.3	307.3	2,134.0	2,082.5	51.53	41.413	
13,700.0	10,890.0	11,565.3	8,756.0	59.3	55.0	-0.01	-2,642.3	308.1	2,134.0	2,081.1	52.91	40.335	
13,800.0	10,890.0	11,665.3	8,756.0	60.6	56.3	-0.01	-2,742.3	308.8	2,134.0	2,079.7	54.29	39.304	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #105H - 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	10,890.0	11,765.3	8,756.0	61.9	57.7	-0.01	-2,842.3	309.6	2,134.0	2,078.3	55.69	38.318	
14,000.0	10,890.0	11,865.3	8,756.0	63.2	59.1	-0.01	-2,942.3	310.4	2,134.0	2,076.9	57.10	37.375	
14,100.0	10,890.0	11,965.3	8,756.0	64.5	60.5	-0.01	-3,042.3	311.1	2,134.0	2,075.5	58.51	36.472	
14,200.0	10,890.0	12,065.3	8,756.0	65.8	62.0	-0.01	-3,142.3	311.9	2,134.0	2,074.1	59.93	35.607	
14,300.0	10,890.0	12,165.3	8,756.0	67.2	63.4	-0.01	-3,242.3	312.7	2,134.0	2,072.6	61.36	34.778	
14,400.0	10,890.0	12,265.3	8,756.0	68.5	64.8	-0.01	-3,342.3	313.4	2,134.0	2,071.2	62.80	33.983	
14,500.0	10,890.0	12,365.3	8,756.0	69.9	66.3	-0.01	-3,442.3	314.2	2,134.0	2,069.8	64.24	33.221	
14,600.0	10,890.0	12,465.3	8,756.0	71.3	67.8	-0.01	-3,542.3	314.9	2,134.0	2,068.3	65.68	32.489	
14,700.0	10,890.0	12,565.3	8,756.0	72.7	69.2	-0.01	-3,642.3	315.7	2,134.0	2,066.9	67.14	31.786	
14,800.0	10,890.0	12,665.3	8,756.0	74.1	70.7	-0.01	-3,742.3	316.5	2,134.0	2,065.4	68.59	31.111	
14,900.0	10,890.0	12,765.3	8,756.0	75.5	72.2	-0.01	-3,842.3	317.2	2,134.0	2,063.9	70.06	30.461	
15,000.0	10,890.0	12,865.3	8,756.0	76.9	73.7	-0.01	-3,942.3	318.0	2,134.0	2,062.5	71.52	29.836	
15,100.0	10,890.0	12,965.3	8,756.0	78.3	75.2	-0.01	-4,042.3	318.8	2,134.0	2,061.0	72.99	29.235	
15,200.0	10,890.0	13,065.3	8,756.0	79.8	76.7	-0.01	-4,142.3	319.5	2,134.0	2,059.5	74.47	28.656	
15,300.0	10,890.0	13,165.3	8,756.0	81.2	78.2	-0.01	-4,242.3	320.3	2,134.0	2,058.1	75.95	28.098	
15,400.0	10,890.0	13,265.3	8,756.0	82.7	79.7	-0.01	-4,342.2	321.0	2,134.0	2,056.6	77.43	27.560	
15,500.0	10,890.0	13,365.3	8,756.0	84.1	81.2	-0.01	-4,442.2	321.8	2,134.0	2,055.1	78.92	27.042	
15,600.0	10,890.0	13,465.3	8,756.0	85.6	82.8	-0.01	-4,542.2	322.6	2,134.0	2,053.6	80.40	26.541	
15,700.0	10,890.0	13,565.3	8,756.0	87.1	84.3	-0.01	-4,642.2	323.3	2,134.0	2,052.1	81.90	26.057	
15,800.0	10,890.0	13,665.3	8,756.0	88.6	85.8	-0.01	-4,742.2	324.1	2,134.0	2,050.6	83.39	25.590	
15,900.0	10,890.0	13,765.3	8,756.0	90.1	87.4	-0.01	-4,842.2	324.8	2,134.0	2,049.1	84.89	25.139	
16,000.0	10,890.0	13,865.3	8,756.0	91.6	88.9	-0.01	-4,942.2	325.6	2,134.0	2,047.6	86.39	24.703	
16,100.0	10,890.0	13,965.3	8,756.0	93.1	90.5	-0.01	-5,042.2	326.4	2,134.0	2,046.1	87.89	24.280	
16,200.0	10,890.0	14,065.3	8,756.0	94.6	92.0	-0.01	-5,142.2	327.1	2,134.0	2,044.6	89.39	23.872	
16,300.0	10,890.0	14,165.3	8,756.0	96.1	93.6	-0.01	-5,242.2	327.9	2,134.0	2,043.1	90.90	23.476	
16,400.0	10,890.0	14,265.3	8,756.0	97.6	95.1	-0.01	-5,342.2	328.7	2,134.0	2,041.6	92.41	23.093	
16,500.0	10,890.0	14,365.3	8,756.0	99.1	96.7	-0.01	-5,442.2	329.4	2,134.0	2,040.1	93.92	22.721	
16,600.0	10,890.0	14,465.3	8,756.0	100.6	98.3	-0.01	-5,542.2	330.2	2,134.0	2,038.6	95.43	22.361	
16,700.0	10,890.0	14,565.3	8,756.0	102.2	99.8	-0.01	-5,642.2	330.9	2,134.0	2,037.1	96.95	22.012	
16,800.0	10,890.0	14,665.3	8,756.0	103.7	101.4	-0.01	-5,742.2	331.7	2,134.0	2,035.5	98.46	21.673	
16,900.0	10,890.0	14,765.3	8,756.0	105.2	103.0	-0.01	-5,842.2	332.5	2,134.0	2,034.0	99.98	21.344	
17,000.0	10,890.0	14,865.3	8,756.0	106.8	104.6	-0.01	-5,942.2	333.2	2,134.0	2,032.5	101.50	21.025	
17,100.0	10,890.0	14,965.3	8,756.0	108.3	106.1	-0.01	-6,042.2	334.0	2,134.0	2,031.0	103.02	20.714	
17,200.0	10,890.0	15,065.3	8,756.0	109.9	107.7	-0.01	-6,142.2	334.8	2,134.0	2,029.5	104.54	20.413	
17,300.0	10,890.0	15,165.3	8,756.0	111.4	109.3	-0.01	-6,242.2	335.5	2,134.0	2,027.9	106.07	20.119	
17,400.0	10,890.0	15,265.3	8,756.0	112.9	110.9	-0.01	-6,342.2	336.3	2,134.0	2,026.4	107.59	19.834	
17,500.0	10,890.0	15,365.3	8,756.0	114.5	112.5	-0.01	-6,442.2	337.0	2,134.0	2,024.9	109.12	19.557	
17,600.0	10,890.0	15,465.3	8,756.0	116.1	114.1	-0.01	-6,542.2	337.8	2,134.0	2,023.4	110.64	19.287	
17,700.0	10,890.0	15,565.3	8,756.0	117.6	115.7	-0.01	-6,642.2	338.6	2,134.0	2,021.8	112.17	19.024	
17,800.0	10,890.0	15,665.3	8,756.0	119.2	117.2	-0.01	-6,742.2	339.3	2,134.0	2,020.3	113.70	18.768	
17,900.0	10,890.0	15,765.3	8,756.0	120.7	118.8	0.00	-6,842.2	340.1	2,134.0	2,018.8	115.23	18.519	
18,000.0	10,890.0	15,865.3	8,756.0	122.3	120.4	0.00	-6,942.2	340.8	2,134.0	2,017.2	116.77	18.276	
18,100.0	10,890.0	15,965.3	8,756.0	123.9	122.0	0.00	-7,042.2	341.6	2,134.0	2,015.7	118.30	18.039	
18,200.0	10,890.0	16,065.3	8,756.0	125.5	123.6	0.00	-7,142.2	342.4	2,134.0	2,014.2	119.83	17.808	
18,300.0	10,890.0	16,165.3	8,756.0	127.0	125.2	0.00	-7,242.2	343.1	2,134.0	2,012.6	121.37	17.583	
18,400.0	10,890.0	16,265.3	8,756.0	128.6	126.8	0.00	-7,342.2	343.9	2,134.0	2,011.1	122.90	17.364	
18,500.0	10,890.0	16,365.3	8,756.0	130.2	128.4	0.00	-7,442.2	344.7	2,134.0	2,009.6	124.44	17.149	
18,600.0	10,890.0	16,465.3	8,756.0	131.8	130.0	0.00	-7,542.2	345.4	2,134.0	2,008.0	125.97	16.940	
18,700.0	10,890.0	16,565.3	8,756.0	133.3	131.6	0.00	-7,642.2	346.2	2,134.0	2,006.5	127.51	16.736	
18,800.0	10,890.0	16,665.3	8,756.0	134.9	133.3	0.00	-7,742.1	346.9	2,134.0	2,004.9	129.05	16.536	
18,900.0	10,890.0	16,765.3	8,756.0	136.5	134.9	0.00	-7,842.1	347.7	2,134.0	2,003.4	130.59	16.341	
19,000.0	10,890.0	16,865.3	8,756.0	138.1	136.5	0.00	-7,942.1	348.5	2,134.0	2,001.9	132.13	16.151	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #105H - 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	10,890.0	16,965.3	8,756.0	139.7	138.1	0.00	-8,042.1	349.2	2,134.0	2,000.3	133.67	15.965	
19,200.0	10,890.0	17,065.3	8,756.0	141.3	139.7	0.00	-8,142.1	350.0	2,134.0	1,998.8	135.21	15.783	
19,300.0	10,890.0	17,165.3	8,756.0	142.9	141.3	0.00	-8,242.1	350.8	2,134.0	1,997.2	136.75	15.605	
19,400.0	10,890.0	17,265.3	8,756.0	144.4	142.9	0.00	-8,342.1	351.5	2,134.0	1,995.7	138.30	15.430	
19,500.0	10,890.0	17,365.3	8,756.0	146.0	144.5	0.00	-8,442.1	352.3	2,134.0	1,994.2	139.84	15.260	
19,600.0	10,890.0	17,465.3	8,756.0	147.6	146.1	0.00	-8,542.1	353.0	2,134.0	1,992.6	141.38	15.094	
19,700.0	10,890.0	17,565.3	8,756.0	149.2	147.8	0.00	-8,642.1	353.8	2,134.0	1,991.1	142.93	14.930	
19,800.0	10,890.0	17,665.3	8,756.0	150.8	149.4	0.00	-8,742.1	354.6	2,134.0	1,989.5	144.47	14.771	
19,900.0	10,890.0	17,765.3	8,756.0	152.4	151.0	0.00	-8,842.1	355.3	2,134.0	1,988.0	146.02	14.614	
20,000.0	10,890.0	17,865.3	8,756.0	154.0	152.6	0.00	-8,942.1	356.1	2,134.0	1,986.4	147.57	14.461	
20,100.0	10,890.0	17,965.3	8,756.0	155.6	154.2	0.00	-9,042.1	356.8	2,134.0	1,984.9	149.11	14.311	
20,200.0	10,890.0	18,065.3	8,756.0	157.2	155.8	0.00	-9,142.1	357.6	2,134.0	1,983.3	150.66	14.164	
20,300.0	10,890.0	18,165.3	8,756.0	158.8	157.5	0.00	-9,242.1	358.4	2,134.0	1,981.8	152.21	14.020	
20,400.0	10,890.0	18,265.3	8,756.0	160.4	159.1	0.00	-9,342.1	359.1	2,134.0	1,980.2	153.75	13.879	
20,500.0	10,890.0	18,365.3	8,756.0	162.0	160.7	0.00	-9,442.1	359.9	2,134.0	1,978.7	155.30	13.741	
20,600.0	10,890.0	18,465.3	8,756.0	163.6	162.3	0.00	-9,542.1	360.7	2,134.0	1,977.1	156.85	13.605	
20,700.0	10,890.0	18,565.3	8,756.0	165.2	163.9	0.00	-9,642.1	361.4	2,134.0	1,975.6	158.40	13.472	
20,800.0	10,890.0	18,665.3	8,756.0	166.9	165.6	0.00	-9,742.1	362.2	2,134.0	1,974.1	159.95	13.342	
20,900.0	10,890.0	18,765.3	8,756.0	168.5	167.2	0.00	-9,842.1	362.9	2,134.0	1,972.5	161.50	13.214	
21,000.0	10,890.0	18,865.3	8,756.0	170.1	168.8	0.00	-9,942.1	363.7	2,134.0	1,971.0	163.05	13.088	
21,100.0	10,890.0	18,965.3	8,756.0	171.7	170.4	0.00	-10,042.1	364.5	2,134.0	1,969.4	164.60	12.965	
21,187.1	10,890.0	19,052.4	8,756.0	173.1	171.9	0.00	-10,129.2	365.1	2,134.0	1,968.0	165.95	12.859	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #111H - 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	2.0	2.0	0.0	0.0	-0.42	30.0	-0.2	30.0				
100.0	100.0	102.0	102.0	0.1	0.1	-0.42	30.0	-0.2	30.0	29.7	0.26	113.911	
200.0	200.0	202.0	202.0	0.5	0.5	-0.42	30.0	-0.2	30.0	29.0	0.98	30.612	
300.0	300.0	302.0	302.0	0.8	0.9	-0.42	30.0	-0.2	30.0	28.3	1.70	17.682	
400.0	400.0	402.0	402.0	1.2	1.2	-0.42	30.0	-0.2	30.0	27.6	2.41	12.431	
500.0	500.0	502.0	502.0	1.6	1.6	-0.42	30.0	-0.2	30.0	26.9	3.13	9.585	
600.0	600.0	602.0	602.0	1.9	1.9	-0.42	30.0	-0.2	30.0	26.2	3.85	7.799	
700.0	700.0	702.0	702.0	2.3	2.3	-0.42	30.0	-0.2	30.0	25.4	4.57	6.574	
800.0	800.0	802.0	802.0	2.6	2.6	-0.42	30.0	-0.2	30.0	24.7	5.28	5.682	
900.0	900.0	902.0	902.0	3.0	3.0	-0.42	30.0	-0.2	30.0	24.0	6.00	5.003	
1,000.0	1,000.0	1,002.0	1,002.0	3.4	3.4	-0.42	30.0	-0.2	30.0	23.3	6.72	4.469	
1,100.0	1,100.0	1,102.0	1,102.0	3.7	3.7	-0.42	30.0	-0.2	30.0	22.6	7.43	4.038	
1,200.0	1,200.0	1,202.0	1,202.0	4.1	4.1	-0.42	30.0	-0.2	30.0	21.9	8.15	3.683	
1,300.0	1,300.0	1,302.0	1,302.0	4.4	4.4	-0.42	30.0	-0.2	30.0	21.1	8.87	3.385	
1,400.0	1,400.0	1,402.0	1,402.0	4.8	4.8	-0.42	30.0	-0.2	30.0	20.4	9.58	3.132	
1,500.0	1,500.0	1,502.0	1,502.0	5.1	5.2	-0.42	30.0	-0.2	30.0	19.7	10.30	2.914	CC, ES
1,600.0	1,600.0	1,601.5	1,601.5	5.5	5.5	-1.31	30.8	-0.7	30.8	19.8	11.01	2.795	SF
1,700.0	1,700.0	1,701.0	1,701.0	5.9	5.9	-3.68	33.0	-2.1	33.1	21.3	11.72	2.821	
1,800.0	1,800.0	1,800.4	1,800.3	6.2	6.2	-6.94	36.6	-4.5	37.0	24.5	12.43	2.973	
1,900.0	1,900.0	1,899.6	1,899.3	6.6	6.6	-10.48	41.7	-7.7	42.5	29.4	13.13	3.240	
2,000.0	2,000.0	1,998.5	1,997.9	6.9	6.9	-13.85	48.3	-11.9	49.9	36.1	13.83	3.608	
2,100.0	2,100.0	2,097.2	2,096.1	7.3	7.3	-16.81	56.2	-17.0	59.0	44.5	14.52	4.064	
2,200.0	2,200.0	2,195.5	2,193.8	7.7	7.6	-19.30	65.5	-22.9	69.9	54.7	15.20	4.599	
2,300.0	2,300.0	2,306.7	2,290.7	8.0	8.1	-21.34	76.2	-29.8	82.6	66.6	15.93	5.185	
2,400.0	2,400.0	2,407.7	2,388.8	8.4	8.4	-22.96	87.8	-37.2	96.3	79.6	16.64	5.784	
2,500.0	2,500.0	2,491.3	2,486.9	8.7	8.8	-24.18	99.4	-44.6	110.0	92.7	17.30	6.360	
2,600.0	2,600.0	2,609.7	2,584.9	9.1	9.2	-25.12	111.0	-52.1	123.8	105.7	18.08	6.847	
2,700.0	2,700.0	2,689.4	2,683.0	9.4	9.5	-25.88	122.6	-59.5	137.6	118.9	18.72	7.350	
2,800.0	2,800.0	2,788.4	2,781.0	9.8	9.9	-26.49	134.2	-66.9	151.4	132.0	19.44	7.792	
2,900.0	2,900.0	2,887.4	2,879.1	10.2	10.3	-27.01	145.8	-74.3	165.3	145.1	20.15	8.202	
3,000.0	3,000.0	2,986.4	2,977.2	10.5	10.7	-27.44	157.4	-81.8	179.1	158.3	20.87	8.585	
3,100.0	3,100.0	3,085.5	3,075.3	10.9	11.1	-64.58	169.1	-89.2	192.6	171.1	21.58	8.927	
3,200.0	3,200.0	3,184.6	3,173.4	11.2	11.5	-65.43	180.7	-96.6	205.4	183.1	22.29	9.215	
3,300.0	3,299.9	3,283.8	3,271.6	11.6	11.9	-66.60	192.3	-104.1	217.6	194.6	23.01	9.458	
3,400.0	3,399.7	3,382.9	3,369.8	11.9	12.3	-68.05	203.9	-111.5	229.2	205.5	23.72	9.662	
3,500.0	3,499.4	3,482.0	3,467.9	12.3	12.7	-69.73	215.5	-118.9	240.3	215.9	24.44	9.835	
3,600.0	3,598.9	3,581.1	3,566.0	12.7	13.1	-71.64	227.2	-126.4	251.1	226.0	25.15	9.984	
3,700.0	3,698.3	3,680.0	3,664.0	13.0	13.5	-73.74	238.8	-133.8	261.7	235.9	25.88	10.115	
3,800.0	3,797.4	3,778.8	3,761.8	13.4	13.9	-76.01	250.3	-141.2	272.3	245.7	26.60	10.235	
3,900.0	3,896.4	3,877.6	3,859.6	13.8	14.3	-78.38	261.9	-148.6	283.1	255.7	27.33	10.355	
4,000.0	3,995.5	3,976.3	3,957.4	14.1	14.7	-80.58	273.5	-156.0	294.3	266.2	28.07	10.484	
4,100.0	4,094.5	4,075.1	4,055.2	14.5	15.1	-82.61	285.1	-163.4	305.9	277.1	28.82	10.618	
4,200.0	4,193.5	4,173.8	4,153.0	14.9	15.5	-84.49	296.6	-170.8	317.9	288.4	29.56	10.755	
4,300.0	4,292.5	4,272.6	4,250.8	15.2	15.9	-86.24	308.2	-178.2	330.3	299.9	30.31	10.895	
4,400.0	4,391.6	4,371.3	4,348.6	15.6	16.3	-87.86	319.8	-185.6	342.9	311.8	31.07	11.036	
4,500.0	4,490.6	4,470.1	4,446.4	16.0	16.7	-89.37	331.4	-193.1	355.7	323.9	31.82	11.178	
4,600.0	4,589.6	4,568.8	4,544.1	16.4	17.1	-90.77	342.9	-200.5	368.8	336.2	32.58	11.318	
4,700.0	4,688.6	4,674.8	4,649.2	16.8	17.5	-92.21	354.7	-208.0	381.4	348.0	33.42	11.412	
4,800.0	4,787.7	4,783.8	4,757.6	17.2	17.9	-93.78	364.3	-214.1	391.7	357.5	34.27	11.431	
4,900.0	4,886.7	4,893.1	4,866.6	17.5	18.3	-95.46	371.3	-218.6	399.8	364.7	35.10	11.391	
5,000.0	4,985.7	5,002.5	4,975.9	17.9	18.7	-97.28	375.7	-221.4	405.6	369.7	35.90	11.298	
5,100.0	5,084.8	5,111.8	5,085.1	18.3	19.1	-99.26	377.4	-222.5	409.3	372.6	36.68	11.159	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #111H - 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
5,200.0	5,183.8	5,212.5	5,185.8	18.7	19.4	-101.18	377.4	-222.5	411.8	374.4	37.43	11.001	
5,300.0	5,282.8	5,311.5	5,284.8	19.1	19.8	-103.05	377.4	-222.5	414.7	376.6	38.18	10.862	
5,400.0	5,381.8	5,410.5	5,383.8	19.5	20.1	-104.89	377.4	-222.5	418.1	379.2	38.94	10.739	
5,500.0	5,480.9	5,509.5	5,482.9	19.9	20.4	-106.70	377.4	-222.5	422.0	382.3	39.69	10.632	
5,600.0	5,579.9	5,608.6	5,581.9	20.3	20.8	-108.48	377.4	-222.5	426.2	385.8	40.44	10.540	
5,700.0	5,678.9	5,707.6	5,680.9	20.7	21.1	-110.22	377.4	-222.5	430.9	389.7	41.19	10.461	
5,800.0	5,777.9	5,806.6	5,779.9	21.1	21.5	-111.92	377.4	-222.5	435.9	394.0	41.93	10.395	
5,900.0	5,877.0	5,905.6	5,879.0	21.5	21.8	-113.58	377.4	-222.5	441.3	398.7	42.68	10.341	
6,000.0	5,976.0	6,004.7	5,978.0	21.9	22.1	-115.21	377.4	-222.5	447.1	403.7	43.42	10.297	
6,100.0	6,075.0	6,103.7	6,077.0	22.3	22.5	-116.79	377.4	-222.5	453.3	409.1	44.16	10.264	
6,200.0	6,174.0	6,202.7	6,176.0	22.7	22.8	-118.32	377.4	-222.5	459.8	414.9	44.90	10.239	
6,300.0	6,273.1	6,301.7	6,275.1	23.1	23.1	-119.82	377.4	-222.5	466.6	420.9	45.64	10.223	
6,400.0	6,372.1	6,400.8	6,374.1	23.5	23.5	-121.27	377.4	-222.5	473.7	427.3	46.37	10.215	
6,500.0	6,471.1	6,500.2	6,473.1	23.9	23.8	-122.67	377.4	-222.5	481.1	434.0	47.11	10.213	
6,557.1	6,527.6	6,556.3	6,529.6	24.1	24.0	-123.46	377.4	-222.5	485.5	438.0	47.53	10.215	
6,600.0	6,570.2	6,601.1	6,572.2	24.3	24.2	-124.05	377.4	-222.5	488.7	440.8	47.85	10.214	
6,700.0	6,669.5	6,701.8	6,671.5	24.7	24.5	-125.23	377.4	-222.5	495.3	446.7	48.58	10.196	
6,800.0	6,769.1	6,802.2	6,771.1	25.1	24.9	-126.13	377.4	-222.5	500.5	451.2	49.30	10.152	
6,900.0	6,868.9	6,902.4	6,870.9	25.4	25.2	-126.75	377.4	-222.5	504.2	454.2	50.01	10.083	
7,000.0	6,968.8	7,002.5	6,970.8	25.8	25.6	-127.11	377.4	-222.5	506.4	455.7	50.71	9.986	
7,090.4	7,059.2	7,087.9	7,061.2	26.1	25.9	-90.56	377.4	-222.5	507.1	455.7	51.32	9.880	
7,100.0	7,068.8	7,102.5	7,070.8	26.1	25.9	-90.56	377.4	-222.5	507.1	455.7	51.41	9.864	
7,200.0	7,168.8	7,202.5	7,170.8	26.5	26.2	-90.56	377.4	-222.5	507.1	455.0	52.10	9.732	
7,300.0	7,268.8	7,302.5	7,270.8	26.8	26.6	-90.56	377.4	-222.5	507.1	454.3	52.80	9.604	
7,400.0	7,368.8	7,402.5	7,370.8	27.2	26.9	-90.56	377.4	-222.5	507.1	453.6	53.49	9.479	
7,500.0	7,468.8	7,502.5	7,470.8	27.5	27.3	-90.56	377.4	-222.5	507.1	452.9	54.19	9.358	
7,600.0	7,568.8	7,602.5	7,570.8	27.8	27.6	-90.56	377.4	-222.5	507.1	452.2	54.88	9.239	
7,700.0	7,668.8	7,702.5	7,670.8	28.2	28.0	-90.56	377.4	-222.5	507.1	451.5	55.58	9.123	
7,800.0	7,768.8	7,802.5	7,770.8	28.5	28.3	-90.56	377.4	-222.5	507.1	450.8	56.28	9.010	
7,900.0	7,868.8	7,902.5	7,870.8	28.9	28.7	-90.56	377.4	-222.5	507.1	450.1	56.98	8.900	
8,000.0	7,968.8	8,002.5	7,970.8	29.2	29.0	-90.56	377.4	-222.5	507.1	449.4	57.67	8.792	
8,100.0	8,068.8	8,102.5	8,070.8	29.6	29.4	-90.56	377.4	-222.5	507.1	448.7	58.37	8.687	
8,200.0	8,168.8	8,202.5	8,170.8	29.9	29.7	-90.56	377.4	-222.5	507.1	448.0	59.07	8.584	
8,300.0	8,268.8	8,302.5	8,270.8	30.3	30.1	-90.56	377.4	-222.5	507.1	447.3	59.77	8.483	
8,400.0	8,368.8	8,402.5	8,370.8	30.6	30.4	-90.56	377.4	-222.5	507.1	446.6	60.47	8.385	
8,500.0	8,468.8	8,502.5	8,470.8	30.9	30.8	-90.56	377.4	-222.5	507.1	445.9	61.17	8.289	
8,600.0	8,568.8	8,597.5	8,570.8	31.3	31.1	-90.56	377.4	-222.5	507.1	445.2	61.86	8.198	
8,700.0	8,668.8	8,687.0	8,660.2	31.6	31.4	-90.94	374.1	-223.1	507.8	445.3	62.48	8.128	
8,800.0	8,768.8	8,770.0	8,741.8	32.0	31.6	-92.58	359.4	-225.7	511.6	448.6	62.96	8.126	
8,900.0	8,868.8	8,847.2	8,815.0	32.3	31.8	-95.22	335.4	-230.0	519.7	456.5	63.22	8.220	
9,000.0	8,968.8	8,916.8	8,877.6	32.7	32.0	-98.40	305.7	-235.3	533.7	470.5	63.11	8.456	
9,100.0	9,068.8	8,978.1	8,929.4	33.0	32.1	-101.71	273.5	-241.0	555.0	492.6	62.47	8.885	
9,200.0	9,168.8	9,031.3	8,971.4	33.4	32.1	-104.88	241.2	-246.8	584.8	523.6	61.25	9.547	
9,300.0	9,268.8	9,077.3	9,005.0	33.7	32.2	-107.77	210.4	-252.3	623.2	563.7	59.51	10.473	
9,400.0	9,368.8	9,116.8	9,031.8	34.1	32.3	-110.31	181.8	-257.4	669.9	612.5	57.38	11.675	
9,500.0	9,468.8	9,150.0	9,052.8	34.4	32.3	-112.46	156.5	-261.9	724.1	669.1	55.02	13.161	
9,600.0	9,568.8	9,180.4	9,070.6	34.8	32.3	-114.43	132.3	-266.2	784.9	732.2	52.68	14.899	
9,700.0	9,668.8	9,200.0	9,081.4	35.1	32.3	-115.69	116.2	-269.1	851.3	801.2	50.18	16.965	
9,800.0	9,768.8	9,228.5	9,096.1	35.5	32.3	-117.49	92.1	-273.4	922.4	874.1	48.23	19.123	
9,900.0	9,868.8	9,250.0	9,106.4	35.8	32.4	-118.83	73.5	-276.7	997.4	951.0	46.32	21.531	
10,000.0	9,968.8	9,265.6	9,113.4	36.2	32.4	-119.79	59.8	-279.1	1,075.6	1,031.1	44.50	24.173	
10,100.0	10,068.8	9,281.1	9,120.0	36.5	32.4	-120.72	46.0	-281.6	1,156.6	1,113.7	42.92	26.946	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #111H - 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
10,200.0	10,168.8	9,300.0	9,127.5	36.9	32.4	-121.85	28.9	-284.6	1,240.0	1,198.3	41.67	29.753	
10,300.0	10,268.8	9,300.0	9,127.5	37.2	32.4	-121.85	28.9	-284.6	1,325.2	1,285.0	40.15	33.006	
10,348.2	10,317.0	9,300.0	9,127.5	37.4	32.4	-121.85	28.9	-284.6	1,367.0	1,327.5	39.50	34.609	
10,350.0	10,318.8	9,300.0	9,127.5	37.4	32.4	58.31	28.9	-284.6	1,368.6	1,329.1	39.47	34.671	
10,400.0	10,368.8	9,319.2	9,134.5	37.6	32.4	50.47	11.3	-287.7	1,411.3	1,372.1	39.25	35.953	
10,450.0	10,418.3	9,326.2	9,136.9	37.7	32.4	44.56	4.9	-288.9	1,453.2	1,414.5	38.73	37.518	
10,500.0	10,467.1	9,350.0	9,144.5	37.8	32.5	39.30	-17.3	-292.9	1,494.0	1,455.5	38.56	38.742	
10,550.0	10,514.7	9,350.0	9,144.5	38.0	32.5	35.57	-17.3	-292.9	1,532.8	1,494.9	37.88	40.467	
10,600.0	10,560.8	9,350.0	9,144.5	38.1	32.5	32.47	-17.3	-292.9	1,569.9	1,532.7	37.21	42.188	
10,650.0	10,605.1	9,350.0	9,144.5	38.2	32.5	29.89	-17.3	-292.9	1,605.2	1,568.7	36.58	43.886	
10,700.0	10,647.1	9,371.0	9,150.5	38.2	32.5	27.60	-37.1	-296.4	1,638.2	1,601.8	36.35	45.071	
10,750.0	10,686.7	9,381.4	9,153.1	38.3	32.6	25.80	-47.1	-298.2	1,668.9	1,633.0	35.94	46.430	
10,800.0	10,723.4	9,400.0	9,157.4	38.4	32.6	24.30	-64.9	-301.3	1,697.3	1,661.6	35.70	47.546	
10,850.0	10,757.1	9,400.0	9,157.4	38.4	32.6	23.09	-64.9	-301.3	1,722.9	1,687.7	35.21	48.933	
10,900.0	10,787.4	9,400.0	9,157.4	38.5	32.6	22.08	-64.9	-301.3	1,746.2	1,711.4	34.80	50.181	
10,950.0	10,814.1	9,426.6	9,162.6	38.5	32.7	21.29	-90.5	-305.9	1,766.2	1,731.4	34.77	50.790	
11,000.0	10,837.1	9,450.0	9,166.1	38.5	32.7	20.68	-113.3	-310.0	1,783.8	1,749.0	34.74	51.339	
11,050.0	10,856.0	9,450.0	9,166.1	38.6	32.7	20.16	-113.3	-310.0	1,798.1	1,763.6	34.54	52.064	
11,100.0	10,870.9	9,450.0	9,166.1	38.6	32.7	19.75	-113.3	-310.0	1,809.8	1,775.3	34.43	52.557	
11,150.0	10,881.6	9,474.8	9,168.8	38.7	32.8	19.56	-137.6	-314.3	1,818.1	1,783.5	34.60	52.547	
11,200.0	10,887.9	9,500.0	9,170.4	38.8	32.9	19.50	-162.4	-318.7	1,823.7	1,788.9	34.81	52.384	
11,248.2	10,890.0	9,500.0	9,170.4	38.9	32.9	19.43	-162.4	-318.7	1,825.8	1,790.9	34.97	52.214	
11,300.0	10,890.0	9,511.6	9,170.8	39.0	32.9	19.50	-173.7	-320.7	1,827.3	1,792.1	35.27	51.810	
11,400.0	10,890.0	9,583.4	9,171.0	39.3	33.1	19.87	-244.5	-332.7	1,832.8	1,796.8	36.06	50.827	
11,500.0	10,890.0	9,710.7	9,171.0	39.6	33.6	20.40	-370.8	-349.7	1,837.7	1,800.8	36.95	49.732	
11,600.0	10,890.0	9,839.5	9,171.0	40.0	34.2	20.76	-499.0	-361.1	1,841.1	1,803.2	37.87	48.613	
11,700.0	10,890.0	9,969.0	9,171.0	40.5	34.9	20.95	-628.4	-366.8	1,843.0	1,804.2	38.79	47.509	
11,800.0	10,890.0	10,088.1	9,171.0	41.0	35.6	20.99	-747.4	-367.0	1,843.3	1,803.6	39.69	46.448	
11,900.0	10,890.0	10,188.1	9,171.0	41.6	36.3	20.99	-847.4	-366.3	1,843.3	1,802.7	40.59	45.410	
12,000.0	10,890.0	10,288.1	9,171.0	42.2	37.0	20.99	-947.4	-365.5	1,843.3	1,801.7	41.56	44.349	
12,100.0	10,890.0	10,388.1	9,171.0	42.9	37.8	20.99	-1,047.4	-364.7	1,843.3	1,800.7	42.60	43.274	
12,200.0	10,890.0	10,488.1	9,171.0	43.6	38.7	20.99	-1,147.4	-364.0	1,843.3	1,799.6	43.68	42.196	
12,300.0	10,890.0	10,588.1	9,171.0	44.4	39.6	20.99	-1,247.4	-363.2	1,843.3	1,798.5	44.82	41.122	
12,400.0	10,890.0	10,688.1	9,171.0	45.3	40.5	20.99	-1,347.4	-362.4	1,843.3	1,797.3	46.01	40.059	
12,500.0	10,890.0	10,788.1	9,171.0	46.2	41.5	20.99	-1,447.4	-361.7	1,843.3	1,796.0	47.25	39.013	
12,600.0	10,890.0	10,888.1	9,171.0	47.1	42.5	20.99	-1,547.4	-360.9	1,843.3	1,794.8	48.52	37.987	
12,700.0	10,890.0	10,988.1	9,171.0	48.0	43.6	20.99	-1,647.4	-360.1	1,843.3	1,793.4	49.84	36.986	
12,800.0	10,890.0	11,088.1	9,171.0	49.0	44.7	20.99	-1,747.4	-359.3	1,843.3	1,792.1	51.19	36.011	
12,900.0	10,890.0	11,188.1	9,171.0	50.1	45.8	20.99	-1,847.4	-358.6	1,843.3	1,790.7	52.57	35.065	
13,000.0	10,890.0	11,288.1	9,171.0	51.1	47.0	20.99	-1,947.4	-357.8	1,843.3	1,789.3	53.98	34.148	
13,100.0	10,890.0	11,388.1	9,171.0	52.2	48.2	20.99	-2,047.4	-357.0	1,843.3	1,787.9	55.42	33.261	
13,200.0	10,890.0	11,488.1	9,171.0	53.3	49.4	20.99	-2,147.4	-356.3	1,843.3	1,786.4	56.88	32.404	
13,300.0	10,890.0	11,588.1	9,171.0	54.5	50.7	20.99	-2,247.4	-355.5	1,843.3	1,784.9	58.37	31.577	
13,400.0	10,890.0	11,688.1	9,171.0	55.7	51.9	20.99	-2,347.4	-354.7	1,843.3	1,783.4	59.88	30.780	
13,500.0	10,890.0	11,788.1	9,171.0	56.9	53.2	20.99	-2,447.4	-354.0	1,843.3	1,781.9	61.42	30.013	
13,600.0	10,890.0	11,888.1	9,171.0	58.1	54.5	20.99	-2,547.4	-353.2	1,843.3	1,780.3	62.97	29.274	
13,700.0	10,890.0	11,988.1	9,171.0	59.3	55.9	20.99	-2,647.4	-352.4	1,843.3	1,778.7	64.54	28.562	
13,800.0	10,890.0	12,088.1	9,171.0	60.6	57.2	20.99	-2,747.4	-351.7	1,843.3	1,777.1	66.12	27.878	
13,900.0	10,890.0	12,188.1	9,171.0	61.9	58.6	20.99	-2,847.4	-350.9	1,843.3	1,775.5	67.72	27.219	
14,000.0	10,890.0	12,288.1	9,171.0	63.2	59.9	20.99	-2,947.4	-350.1	1,843.3	1,773.9	69.33	26.586	
14,100.0	10,890.0	12,388.1	9,171.0	64.5	61.3	20.99	-3,047.4	-349.3	1,843.3	1,772.3	70.96	25.976	
14,200.0	10,890.0	12,488.1	9,171.0	65.8	62.7	20.99	-3,147.4	-348.6	1,843.3	1,770.7	72.60	25.389	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #111H - 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
14,300.0	10,890.0	12,588.1	9,171.0	67.2	64.1	20.99	-3,247.4	-347.8	1,843.3	1,769.0	74.25	24.825	
14,400.0	10,890.0	12,688.1	9,171.0	68.5	65.6	20.99	-3,347.4	-347.0	1,843.3	1,767.3	75.91	24.281	
14,500.0	10,890.0	12,788.1	9,171.0	69.9	67.0	20.99	-3,447.4	-346.3	1,843.3	1,765.7	77.58	23.758	
14,600.0	10,890.0	12,888.1	9,171.0	71.3	68.4	20.99	-3,547.4	-345.5	1,843.3	1,764.0	79.27	23.254	
14,700.0	10,890.0	12,988.1	9,171.0	72.7	69.9	20.99	-3,647.3	-344.7	1,843.3	1,762.3	80.96	22.769	
14,800.0	10,890.0	13,088.1	9,171.0	74.1	71.4	20.99	-3,747.3	-344.0	1,843.3	1,760.6	82.65	22.301	
14,900.0	10,890.0	13,188.1	9,171.0	75.5	72.8	20.98	-3,847.3	-343.2	1,843.3	1,758.9	84.36	21.850	
15,000.0	10,890.0	13,288.1	9,171.0	76.9	74.3	20.98	-3,947.3	-342.4	1,843.3	1,757.2	86.07	21.415	
15,100.0	10,890.0	13,388.1	9,171.0	78.3	75.8	20.98	-4,047.3	-341.7	1,843.3	1,755.5	87.79	20.995	
15,200.0	10,890.0	13,488.1	9,171.0	79.8	77.3	20.98	-4,147.3	-340.9	1,843.3	1,753.7	89.52	20.590	
15,300.0	10,890.0	13,588.1	9,171.0	81.2	78.8	20.98	-4,247.3	-340.1	1,843.3	1,752.0	91.25	20.199	
15,400.0	10,890.0	13,688.1	9,171.0	82.7	80.3	20.98	-4,347.3	-339.3	1,843.3	1,750.3	92.99	19.821	
15,500.0	10,890.0	13,788.1	9,171.0	84.1	81.8	20.98	-4,447.3	-338.6	1,843.2	1,748.5	94.74	19.456	
15,600.0	10,890.0	13,888.1	9,171.0	85.6	83.3	20.98	-4,547.3	-337.8	1,843.2	1,746.8	96.49	19.104	
15,700.0	10,890.0	13,988.1	9,171.0	87.1	84.8	20.98	-4,647.3	-337.0	1,843.2	1,745.0	98.24	18.762	
15,800.0	10,890.0	14,088.1	9,171.0	88.6	86.4	20.98	-4,747.3	-336.3	1,843.2	1,743.2	100.00	18.432	
15,900.0	10,890.0	14,188.1	9,171.0	90.1	87.9	20.98	-4,847.3	-335.5	1,843.2	1,741.5	101.76	18.113	
16,000.0	10,890.0	14,288.1	9,171.0	91.6	89.4	20.98	-4,947.3	-334.7	1,843.2	1,739.7	103.53	17.804	
16,100.0	10,890.0	14,388.1	9,171.0	93.1	91.0	20.98	-5,047.3	-334.0	1,843.2	1,737.9	105.30	17.504	
16,200.0	10,890.0	14,488.1	9,171.0	94.6	92.5	20.98	-5,147.3	-333.2	1,843.2	1,736.2	107.08	17.214	
16,300.0	10,890.0	14,588.1	9,171.0	96.1	94.0	20.98	-5,247.3	-332.4	1,843.2	1,734.4	108.86	16.932	
16,400.0	10,890.0	14,688.1	9,171.0	97.6	95.6	20.98	-5,347.3	-331.7	1,843.2	1,732.6	110.64	16.660	
16,500.0	10,890.0	14,788.1	9,171.0	99.1	97.1	20.98	-5,447.3	-330.9	1,843.2	1,730.8	112.43	16.395	
16,600.0	10,890.0	14,888.1	9,171.0	100.6	98.7	20.98	-5,547.3	-330.1	1,843.2	1,729.0	114.22	16.138	
16,700.0	10,890.0	14,988.1	9,171.0	102.2	100.3	20.98	-5,647.3	-329.3	1,843.2	1,727.2	116.01	15.889	
16,800.0	10,890.0	15,088.1	9,171.0	103.7	101.8	20.98	-5,747.3	-328.6	1,843.2	1,725.4	117.80	15.647	
16,900.0	10,890.0	15,188.1	9,171.0	105.2	103.4	20.98	-5,847.3	-327.8	1,843.2	1,723.6	119.60	15.412	
17,000.0	10,890.0	15,288.1	9,171.0	106.8	105.0	20.98	-5,947.3	-327.0	1,843.2	1,721.8	121.40	15.183	
17,100.0	10,890.0	15,388.1	9,171.0	108.3	106.5	20.98	-6,047.3	-326.3	1,843.2	1,720.0	123.20	14.961	
17,200.0	10,890.0	15,488.1	9,171.0	109.9	108.1	20.98	-6,147.3	-325.5	1,843.2	1,718.2	125.01	14.745	
17,300.0	10,890.0	15,588.1	9,171.0	111.4	109.7	20.98	-6,247.3	-324.7	1,843.2	1,716.4	126.81	14.535	
17,400.0	10,890.0	15,688.1	9,171.0	112.9	111.3	20.98	-6,347.3	-324.0	1,843.2	1,714.6	128.62	14.330	
17,500.0	10,890.0	15,788.1	9,171.0	114.5	112.8	20.98	-6,447.3	-323.2	1,843.2	1,712.8	130.43	14.131	
17,600.0	10,890.0	15,888.1	9,171.0	116.1	114.4	20.98	-6,547.3	-322.4	1,843.2	1,711.0	132.25	13.938	
17,700.0	10,890.0	15,988.1	9,171.0	117.6	116.0	20.98	-6,647.3	-321.6	1,843.2	1,709.2	134.06	13.749	
17,800.0	10,890.0	16,088.1	9,171.0	119.2	117.6	20.98	-6,747.3	-320.9	1,843.2	1,707.3	135.88	13.565	
17,900.0	10,890.0	16,188.1	9,171.0	120.7	119.2	20.98	-6,847.3	-320.1	1,843.2	1,705.5	137.70	13.386	
18,000.0	10,890.0	16,288.1	9,171.0	122.3	120.8	20.98	-6,947.3	-319.3	1,843.2	1,703.7	139.52	13.211	
18,100.0	10,890.0	16,388.1	9,171.0	123.9	122.4	20.98	-7,047.2	-318.6	1,843.2	1,701.9	141.34	13.041	
18,200.0	10,890.0	16,488.1	9,171.0	125.5	124.0	20.98	-7,147.2	-317.8	1,843.2	1,700.1	143.17	12.875	
18,300.0	10,890.0	16,588.1	9,171.0	127.0	125.5	20.98	-7,247.2	-317.0	1,843.2	1,698.2	144.99	12.713	
18,400.0	10,890.0	16,688.1	9,171.0	128.6	127.1	20.98	-7,347.2	-316.3	1,843.2	1,696.4	146.82	12.554	
18,500.0	10,890.0	16,788.1	9,171.0	130.2	128.7	20.98	-7,447.2	-315.5	1,843.2	1,694.6	148.65	12.400	
18,600.0	10,890.0	16,888.1	9,171.0	131.8	130.3	20.98	-7,547.2	-314.7	1,843.2	1,692.7	150.48	12.249	
18,700.0	10,890.0	16,988.1	9,171.0	133.3	131.9	20.98	-7,647.2	-314.0	1,843.2	1,690.9	152.31	12.102	
18,800.0	10,890.0	17,088.1	9,171.0	134.9	133.5	20.98	-7,747.2	-313.2	1,843.2	1,689.1	154.14	11.958	
18,900.0	10,890.0	17,188.1	9,171.0	136.5	135.1	20.98	-7,847.2	-312.4	1,843.2	1,687.2	155.97	11.818	
19,000.0	10,890.0	17,288.1	9,171.0	138.1	136.7	20.98	-7,947.2	-311.6	1,843.2	1,685.4	157.81	11.680	
19,100.0	10,890.0	17,388.1	9,171.0	139.7	138.3	20.98	-8,047.2	-310.9	1,843.2	1,683.6	159.64	11.546	
19,200.0	10,890.0	17,488.1	9,171.0	141.3	140.0	20.98	-8,147.2	-310.1	1,843.2	1,681.7	161.48	11.415	
19,300.0	10,890.0	17,588.1	9,171.0	142.9	141.6	20.98	-8,247.2	-309.3	1,843.2	1,679.9	163.32	11.286	
19,400.0	10,890.0	17,688.1	9,171.0	144.4	143.2	20.98	-8,347.2	-308.6	1,843.2	1,678.1	165.15	11.161	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #111H - 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
19,500.0	10,890.0	17,788.1	9,171.0	146.0	144.8	20.98	-8,447.2	-307.8	1,843.2	1,676.2	166.99	11.038	
19,600.0	10,890.0	17,888.1	9,171.0	147.6	146.4	20.98	-8,547.2	-307.0	1,843.2	1,674.4	168.83	10.917	
19,700.0	10,890.0	17,988.1	9,171.0	149.2	148.0	20.98	-8,647.2	-306.3	1,843.2	1,672.5	170.68	10.799	
19,800.0	10,890.0	18,088.1	9,171.0	150.8	149.6	20.98	-8,747.2	-305.5	1,843.2	1,670.7	172.52	10.684	
19,900.0	10,890.0	18,188.1	9,171.0	152.4	151.2	20.98	-8,847.2	-304.7	1,843.2	1,668.8	174.36	10.571	
20,000.0	10,890.0	18,288.1	9,171.0	154.0	152.8	20.98	-8,947.2	-304.0	1,843.2	1,667.0	176.21	10.461	
20,100.0	10,890.0	18,388.1	9,171.0	155.6	154.5	20.98	-9,047.2	-303.2	1,843.2	1,665.2	178.05	10.352	
20,200.0	10,890.0	18,488.1	9,171.0	157.2	156.1	20.98	-9,147.2	-302.4	1,843.2	1,663.3	179.90	10.246	
20,300.0	10,890.0	18,588.1	9,171.0	158.8	157.7	20.98	-9,247.2	-301.6	1,843.2	1,661.5	181.74	10.142	
20,400.0	10,890.0	18,688.1	9,171.0	160.4	159.3	20.98	-9,347.2	-300.9	1,843.2	1,659.6	183.59	10.040	
20,500.0	10,890.0	18,788.1	9,171.0	162.0	160.9	20.98	-9,447.2	-300.1	1,843.2	1,657.8	185.44	9.940	
20,600.0	10,890.0	18,888.1	9,171.0	163.6	162.5	20.98	-9,547.2	-299.3	1,843.2	1,655.9	187.29	9.842	
20,700.0	10,890.0	18,988.1	9,171.0	165.2	164.2	20.98	-9,647.2	-298.6	1,843.2	1,654.1	189.13	9.745	
20,800.0	10,890.0	19,088.1	9,171.0	166.9	165.8	20.98	-9,747.2	-297.8	1,843.2	1,652.2	190.98	9.651	
20,900.0	10,890.0	19,188.1	9,171.0	168.5	167.4	20.98	-9,847.2	-297.0	1,843.2	1,650.4	192.84	9.558	
21,000.0	10,890.0	19,288.1	9,171.0	170.1	169.0	20.98	-9,947.2	-296.3	1,843.2	1,648.5	194.69	9.468	
21,100.0	10,890.0	19,388.1	9,171.0	171.7	170.6	20.98	-10,047.2	-295.5	1,843.2	1,646.7	196.54	9.378	
21,187.1	10,890.0	19,475.2	9,171.0	173.1	171.9	20.98	-10,134.3	-294.8	1,843.2	1,645.3	197.91	9.313	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #121H - 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	-75.13	29.3	-110.2	114.0				
100.0	100.0	101.0	101.0	0.1	0.1	-75.13	29.3	-110.2	114.0	113.7	0.26	438.654	
200.0	200.0	201.0	201.0	0.5	0.5	-75.13	29.3	-110.2	114.0	113.0	0.98	116.706	
300.0	300.0	301.0	301.0	0.8	0.8	-75.13	29.3	-110.2	114.0	112.3	1.69	67.307	
400.0	400.0	401.0	401.0	1.2	1.2	-75.13	29.3	-110.2	114.0	111.6	2.41	47.290	
500.0	500.0	501.0	501.0	1.6	1.6	-75.13	29.3	-110.2	114.0	110.9	3.13	36.450	
600.0	600.0	601.0	601.0	1.9	1.9	-75.13	29.3	-110.2	114.0	110.2	3.84	29.653	
700.0	700.0	701.0	701.0	2.3	2.3	-75.13	29.3	-110.2	114.0	109.4	4.56	24.992	
800.0	800.0	801.0	801.0	2.6	2.6	-75.13	29.3	-110.2	114.0	108.7	5.28	21.598	
900.0	900.0	901.0	901.0	3.0	3.0	-75.13	29.3	-110.2	114.0	108.0	6.00	19.015	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	-75.13	29.3	-110.2	114.0	107.3	6.71	16.984	
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	-75.13	29.3	-110.2	114.0	106.6	7.43	15.345	
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	-75.13	29.3	-110.2	114.0	105.9	8.15	13.994	
1,300.0	1,300.0	1,301.0	1,301.0	4.4	4.4	-75.13	29.3	-110.2	114.0	105.1	8.86	12.862	
1,400.0	1,400.0	1,401.0	1,401.0	4.8	4.8	-75.13	29.3	-110.2	114.0	104.4	9.58	11.900	
1,500.0	1,500.0	1,501.0	1,501.0	5.1	5.2	-75.13	29.3	-110.2	114.0	103.7	10.30	11.071	CC
1,600.0	1,600.0	1,600.3	1,600.3	5.5	5.5	-74.72	30.1	-110.3	114.3	103.3	11.01	10.383	ES
1,700.0	1,700.0	1,699.5	1,699.5	5.9	5.9	-73.52	32.7	-110.6	115.3	103.6	11.72	9.835	
1,800.0	1,800.0	1,798.6	1,798.5	6.2	6.2	-71.57	37.0	-111.0	117.0	104.6	12.44	9.412	
1,900.0	1,900.0	1,897.5	1,897.2	6.6	6.6	-68.95	43.0	-111.6	119.7	106.5	13.15	9.105	
2,000.0	2,000.0	1,996.2	1,995.6	6.9	6.9	-65.77	50.6	-112.5	123.4	109.6	13.85	8.911	
2,100.0	2,100.0	2,094.6	2,093.5	7.3	7.3	-62.16	59.9	-113.5	128.5	114.0	14.56	8.828	
2,200.0	2,200.0	2,192.7	2,191.0	7.7	7.6	-58.28	70.8	-114.6	135.1	119.9	15.26	8.856	
2,300.0	2,300.0	2,309.9	2,287.6	8.0	8.1	-54.29	83.3	-116.0	143.4	127.4	16.02	8.952	
2,400.0	2,400.0	2,389.2	2,385.7	8.4	8.4	-50.43	97.0	-117.4	153.1	136.4	16.66	9.190	
2,500.0	2,500.0	2,488.2	2,483.8	8.7	8.8	-47.03	110.7	-118.9	163.4	146.0	17.37	9.406	
2,600.0	2,600.0	2,587.2	2,581.8	9.1	9.1	-44.04	124.5	-120.3	174.2	156.1	18.08	9.632	
2,700.0	2,700.0	2,686.2	2,679.9	9.4	9.5	-41.40	138.2	-121.8	185.4	166.6	18.80	9.863	
2,800.0	2,800.0	2,785.3	2,777.9	9.8	9.9	-39.06	151.9	-123.3	196.9	177.4	19.51	10.094	
2,900.0	2,900.0	2,884.3	2,876.0	10.2	10.3	-36.99	165.6	-124.7	208.8	188.6	20.22	10.323	
3,000.0	3,000.0	2,983.3	2,974.1	10.5	10.7	-35.14	179.3	-126.2	220.9	199.9	20.94	10.548	
3,100.0	3,100.0	3,082.4	3,072.2	10.9	11.1	-70.22	193.0	-127.6	232.9	211.2	21.65	10.754	
3,200.0	3,200.0	3,181.7	3,170.5	11.2	11.5	-69.18	206.7	-129.1	244.4	222.0	22.37	10.924	
3,300.0	3,299.9	3,281.1	3,268.9	11.6	11.8	-68.60	220.5	-130.6	255.3	232.2	23.09	11.057	
3,400.0	3,399.7	3,380.5	3,367.4	11.9	12.2	-68.41	234.2	-132.0	265.6	241.8	23.81	11.154	
3,500.0	3,499.4	3,480.0	3,466.0	12.3	12.6	-68.58	248.0	-133.5	275.3	250.8	24.54	11.218	
3,600.0	3,598.9	3,579.6	3,564.5	12.7	13.0	-69.06	261.8	-135.0	284.4	259.1	25.27	11.251	
3,700.0	3,698.3	3,679.1	3,663.1	13.0	13.4	-69.83	275.6	-136.4	292.8	266.8	26.01	11.258	
3,800.0	3,797.4	3,778.7	3,761.7	13.4	13.8	-70.88	289.3	-137.9	300.8	274.1	26.76	11.242	
3,900.0	3,896.4	3,878.1	3,860.2	13.8	14.2	-72.09	303.1	-139.4	308.6	281.1	27.51	11.220	
4,000.0	3,995.5	3,977.6	3,958.7	14.1	14.6	-73.24	316.9	-140.8	316.6	288.3	28.26	11.201	
4,100.0	4,094.5	4,077.1	4,057.2	14.5	15.0	-74.34	330.6	-142.3	324.6	295.6	29.02	11.186	
4,200.0	4,193.5	4,177.7	4,156.8	14.9	15.5	-75.40	344.5	-143.8	332.8	303.0	29.79	11.170	
4,300.0	4,292.5	4,285.1	4,263.4	15.2	15.9	-76.65	357.5	-145.2	339.6	308.9	30.63	11.086	
4,400.0	4,391.6	4,392.5	4,370.4	15.6	16.3	-78.14	367.5	-146.2	344.2	312.8	31.45	10.945	
4,500.0	4,490.6	4,499.8	4,477.4	16.0	16.7	-79.89	374.4	-147.0	346.9	314.6	32.25	10.754	
4,600.0	4,589.6	4,606.8	4,584.3	16.4	17.1	-81.91	378.4	-147.4	347.6	314.6	33.04	10.521	
4,700.0	4,688.6	4,712.1	4,689.6	16.8	17.4	-84.20	379.4	-147.5	346.6	312.8	33.80	10.255	
4,800.0	4,787.7	4,811.1	4,788.7	17.2	17.8	-86.48	379.4	-147.5	345.5	310.9	34.56	9.998	
4,900.0	4,886.7	4,910.2	4,887.7	17.5	18.1	-88.76	379.4	-147.5	344.9	309.6	35.31	9.767	
4,954.0	4,940.2	4,963.6	4,941.2	17.8	18.3	-90.00	379.4	-147.5	344.8	309.1	35.72	9.653	
5,000.0	4,985.7	5,009.2	4,986.7	17.9	18.4	-91.05	379.4	-147.5	344.9	308.8	36.07	9.562	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #121H - 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
5,100.0	5,084.8	5,108.2	5,085.8	18.3	18.8	-93.34	379.4	-147.5	345.4	308.6	36.82	9.380	
5,200.0	5,183.8	5,207.2	5,184.8	18.7	19.1	-95.61	379.4	-147.5	346.5	309.0	37.58	9.221	
5,300.0	5,282.8	5,306.3	5,283.8	19.1	19.5	-97.87	379.4	-147.5	348.2	309.9	38.33	9.083	
5,400.0	5,381.8	5,405.3	5,382.8	19.5	19.8	-100.11	379.4	-147.5	350.4	311.3	39.08	8.965	
5,500.0	5,480.9	5,504.3	5,481.9	19.9	20.1	-102.31	379.4	-147.5	353.1	313.3	39.83	8.866	
5,600.0	5,579.9	5,603.3	5,580.9	20.3	20.5	-104.48	379.4	-147.5	356.4	315.8	40.57	8.783	
5,700.0	5,678.9	5,702.4	5,679.9	20.7	20.8	-106.60	379.4	-147.5	360.1	318.8	41.32	8.716	
5,800.0	5,777.9	5,801.4	5,778.9	21.1	21.2	-108.68	379.4	-147.5	364.4	322.3	42.06	8.664	
5,900.0	5,877.0	5,900.4	5,878.0	21.5	21.5	-110.71	379.4	-147.5	369.1	326.3	42.79	8.626	
6,000.0	5,976.0	6,000.6	5,977.0	21.9	21.8	-112.69	379.4	-147.5	374.3	330.8	43.53	8.599	
6,100.0	6,075.0	6,101.5	6,076.0	22.3	22.2	-114.61	379.4	-147.5	379.9	335.7	44.27	8.583	
6,200.0	6,174.0	6,202.5	6,175.0	22.7	22.5	-116.47	379.4	-147.5	386.0	341.0	45.00	8.577	
6,300.0	6,273.1	6,303.5	6,274.1	23.1	22.9	-118.28	379.4	-147.5	392.4	346.7	45.73	8.581	
6,400.0	6,372.1	6,404.4	6,373.1	23.5	23.3	-120.02	379.4	-147.5	399.3	352.8	46.46	8.594	
6,500.0	6,471.1	6,505.4	6,472.1	23.9	23.6	-121.71	379.4	-147.5	406.5	359.3	47.19	8.614	
6,557.1	6,527.6	6,551.1	6,528.6	24.1	23.8	-122.65	379.4	-147.5	410.7	363.2	47.56	8.636	
6,600.0	6,570.2	6,606.4	6,571.2	24.3	24.0	-123.35	379.4	-147.5	413.9	365.9	47.91	8.638	
6,700.0	6,669.5	6,707.0	6,670.5	24.7	24.3	-124.74	379.4	-147.5	420.3	371.7	48.63	8.644	
6,800.0	6,769.1	6,807.4	6,770.1	25.1	24.7	-125.78	379.4	-147.5	425.5	376.1	49.34	8.623	
6,900.0	6,868.9	6,907.6	6,869.9	25.4	25.0	-126.51	379.4	-147.5	429.2	379.1	50.05	8.576	
7,000.0	6,968.8	7,007.7	6,969.8	25.8	25.4	-126.92	379.4	-147.5	431.4	380.6	50.75	8.501	
7,090.4	7,059.2	7,082.7	7,060.2	26.1	25.6	-90.40	379.4	-147.5	432.0	380.7	51.32	8.418	
7,100.0	7,068.8	7,107.7	7,069.8	26.1	25.7	-90.40	379.4	-147.5	432.0	380.6	51.45	8.398	
7,200.0	7,168.8	7,207.7	7,169.8	26.5	26.1	-90.40	379.4	-147.5	432.0	379.9	52.14	8.286	
7,300.0	7,268.8	7,307.7	7,269.8	26.8	26.4	-90.40	379.4	-147.5	432.0	379.2	52.84	8.177	
7,400.0	7,368.8	7,407.7	7,369.8	27.2	26.8	-90.40	379.4	-147.5	432.0	378.5	53.53	8.070	
7,500.0	7,468.8	7,507.7	7,469.8	27.5	27.1	-90.40	379.4	-147.5	432.0	377.8	54.23	7.967	
7,600.0	7,568.8	7,607.7	7,569.8	27.8	27.5	-90.40	379.4	-147.5	432.0	377.1	54.93	7.866	
7,700.0	7,668.8	7,707.7	7,669.8	28.2	27.8	-90.40	379.4	-147.5	432.0	376.4	55.63	7.767	
7,800.0	7,768.8	7,807.7	7,769.8	28.5	28.2	-90.40	379.4	-147.5	432.0	375.7	56.32	7.671	
7,900.0	7,868.8	7,907.7	7,869.8	28.9	28.5	-90.40	379.4	-147.5	432.0	375.0	57.02	7.577	
8,000.0	7,968.8	8,007.7	7,969.8	29.2	28.9	-90.40	379.4	-147.5	432.0	374.3	57.72	7.485	
8,100.0	8,068.8	8,107.7	8,069.8	29.6	29.2	-90.40	379.4	-147.5	432.0	373.6	58.42	7.395	
8,200.0	8,168.8	8,207.7	8,169.8	29.9	29.6	-90.40	379.4	-147.5	432.0	372.9	59.12	7.307	
8,300.0	8,268.8	8,307.7	8,269.8	30.3	29.9	-90.40	379.4	-147.5	432.0	372.2	59.82	7.222	
8,400.0	8,368.8	8,407.7	8,369.8	30.6	30.3	-90.40	379.4	-147.5	432.0	371.5	60.52	7.138	
8,500.0	8,468.8	8,507.7	8,469.8	30.9	30.6	-90.40	379.4	-147.5	432.0	370.8	61.23	7.056	
8,600.0	8,568.8	8,607.7	8,569.8	31.3	31.0	-90.40	379.4	-147.5	432.0	370.1	61.93	6.976	
8,700.0	8,668.8	8,707.7	8,669.8	31.6	31.3	-90.40	379.4	-147.5	432.0	369.4	62.63	6.898	
8,800.0	8,768.8	8,807.7	8,769.8	32.0	31.7	-90.40	379.4	-147.5	432.0	368.7	63.33	6.822	
8,900.0	8,868.8	8,907.7	8,869.8	32.3	32.0	-90.40	379.4	-147.5	432.0	368.0	64.03	6.747	
9,000.0	8,968.8	9,007.7	8,969.8	32.7	32.4	-90.40	379.4	-147.5	432.0	367.3	64.74	6.674	
9,100.0	9,068.8	9,107.7	9,069.8	33.0	32.7	-90.40	379.4	-147.5	432.0	366.6	65.44	6.602	
9,200.0	9,168.8	9,207.7	9,169.8	33.4	33.1	-90.40	379.4	-147.5	432.0	365.9	66.14	6.532	
9,300.0	9,268.8	9,292.3	9,269.8	33.7	33.4	-90.40	379.4	-147.5	432.0	365.2	66.79	6.468	
9,400.0	9,368.8	9,395.1	9,372.6	34.1	33.7	-90.48	378.8	-147.4	432.0	364.5	67.50	6.399	
9,500.0	9,468.8	9,503.7	9,480.0	34.4	34.0	-92.53	363.5	-145.2	430.3	362.1	68.14	6.314	
9,600.0	9,568.8	9,603.3	9,574.2	34.8	34.3	-96.75	332.0	-140.8	428.3	359.6	68.69	6.235	
9,626.2	9,595.0	9,627.3	9,596.0	34.9	34.3	-98.10	322.1	-139.4	428.1	359.3	68.81	6.222	
9,700.0	9,668.8	9,689.9	9,650.7	35.1	34.5	-102.16	292.0	-135.1	429.6	360.6	69.04	6.223	
9,800.0	9,768.8	9,762.6	9,709.6	35.5	34.6	-107.78	249.8	-129.1	438.5	369.7	68.81	6.373	
9,900.0	9,868.8	9,822.9	9,753.9	35.8	34.7	-112.98	209.5	-123.3	457.9	390.3	67.60	6.773	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #121H - 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
10,000.0	9,968.8	9,872.5	9,787.1	36.2	34.8	-117.48	173.0	-118.1	489.3	423.9	65.34	7.487	
10,100.0	10,068.8	9,913.5	9,812.1	36.5	34.9	-121.26	140.7	-113.5	532.3	470.0	62.31	8.542	
10,200.0	10,168.8	9,950.0	9,832.2	36.9	34.9	-124.61	110.6	-109.3	585.6	526.6	59.01	9.923	
10,300.0	10,268.8	9,976.3	9,845.6	37.2	35.0	-126.99	88.2	-106.1	647.4	591.9	55.55	11.655	
10,348.2	10,317.0	9,988.5	9,851.4	37.4	35.0	-128.08	77.6	-104.6	679.7	625.7	54.00	12.589	
10,350.0	10,318.8	9,989.0	9,851.6	37.4	35.0	52.18	77.2	-104.5	681.0	627.1	53.94	12.626	
10,400.0	10,368.8	10,000.0	9,856.7	37.6	35.0	47.71	67.5	-103.1	715.0	662.7	52.32	13.668	
10,450.0	10,418.3	10,015.2	9,863.3	37.7	35.0	43.45	53.9	-101.2	748.3	697.5	50.86	14.712	
10,500.0	10,467.1	10,029.5	9,869.3	37.8	35.1	39.78	41.1	-99.4	780.6	731.2	49.40	15.802	
10,550.0	10,514.7	10,050.0	9,877.2	38.0	35.1	36.31	22.3	-96.7	811.6	763.5	48.17	16.850	
10,600.0	10,560.8	10,050.0	9,877.2	38.1	35.1	34.19	22.3	-96.7	841.3	795.0	46.28	18.177	
10,650.0	10,605.1	10,075.9	9,886.2	38.2	35.2	31.38	-1.7	-93.3	869.0	823.8	45.28	19.191	
10,700.0	10,647.1	10,100.0	9,893.7	38.2	35.2	29.07	-24.4	-90.0	895.2	851.0	44.24	20.235	
10,750.0	10,686.7	10,100.0	9,893.7	38.3	35.2	27.76	-24.4	-90.0	919.4	876.8	42.58	21.594	
10,800.0	10,723.4	10,126.1	9,900.6	38.4	35.3	26.00	-49.3	-86.5	941.4	899.7	41.68	22.585	
10,850.0	10,757.1	10,150.0	9,906.0	38.4	35.3	24.57	-72.3	-83.2	961.4	920.7	40.78	23.579	
10,900.0	10,787.4	10,150.0	9,906.0	38.5	35.3	23.79	-72.3	-83.2	979.3	939.8	39.47	24.812	
10,950.0	10,814.1	10,178.7	9,911.1	38.5	35.4	22.67	-100.3	-79.2	994.5	955.7	38.82	25.622	
11,000.0	10,837.1	10,200.0	9,914.0	38.5	35.4	21.85	-121.2	-76.3	1,007.6	969.4	38.12	26.433	
11,050.0	10,856.0	10,214.7	9,915.5	38.6	35.4	21.26	-135.6	-74.2	1,018.1	980.7	37.46	27.180	
11,100.0	10,870.9	10,232.8	9,916.9	38.6	35.5	20.76	-153.5	-71.7	1,026.3	989.3	36.98	27.749	
11,150.0	10,881.6	10,250.0	9,917.7	38.7	35.5	20.38	-170.5	-69.2	1,031.9	995.2	36.65	28.154	
11,200.0	10,887.9	10,272.0	9,918.0	38.8	35.6	20.08	-192.3	-66.2	1,034.9	998.5	36.48	28.371	
11,248.2	10,890.0	10,314.5	9,918.0	38.9	35.7	19.77	-234.4	-60.5	1,034.8	998.4	36.42	28.411	
11,300.0	10,890.0	10,360.4	9,918.0	39.0	35.8	19.51	-280.0	-55.2	1,032.9	996.4	36.44	28.347	
11,400.0	10,890.0	10,449.4	9,918.0	39.3	36.2	19.11	-368.6	-46.9	1,030.0	993.4	36.61	28.136	
11,500.0	10,890.0	10,538.8	9,918.0	39.6	36.5	18.85	-457.9	-41.3	1,028.3	991.3	36.97	27.811	
11,600.0	10,890.0	10,628.4	9,918.0	40.0	36.9	18.74	-547.4	-38.5	1,027.5	990.0	37.52	27.387	
11,644.3	10,890.0	10,670.2	9,918.0	40.2	37.1	18.74	-589.2	-38.1	1,027.5	989.6	37.82	27.166	
11,700.0	10,890.0	10,725.9	9,918.0	40.5	37.4	18.74	-644.9	-37.7	1,027.5	989.2	38.22	26.881	
11,800.0	10,890.0	10,825.9	9,918.0	41.0	38.0	18.74	-744.9	-36.9	1,027.5	988.5	39.00	26.342	
11,900.0	10,890.0	10,925.9	9,918.0	41.6	38.7	18.74	-844.9	-36.2	1,027.5	987.6	39.85	25.781	
12,000.0	10,890.0	11,025.9	9,918.0	42.2	39.4	18.74	-944.9	-35.4	1,027.5	986.7	40.77	25.204	
12,100.0	10,890.0	11,125.9	9,918.0	42.9	40.1	18.74	-1,044.9	-34.6	1,027.5	985.7	41.74	24.616	
12,200.0	10,890.0	11,225.9	9,918.0	43.6	40.9	18.74	-1,144.9	-33.9	1,027.5	984.7	42.77	24.024	
12,300.0	10,890.0	11,325.9	9,918.0	44.4	41.8	18.74	-1,244.9	-33.1	1,027.5	983.6	43.85	23.432	
12,400.0	10,890.0	11,425.9	9,918.0	45.3	42.7	18.74	-1,344.9	-32.3	1,027.5	982.5	44.98	22.844	
12,500.0	10,890.0	11,525.9	9,918.0	46.2	43.7	18.74	-1,444.9	-31.6	1,027.5	981.3	46.15	22.263	
12,600.0	10,890.0	11,625.9	9,918.0	47.1	44.7	18.74	-1,544.9	-30.8	1,027.5	980.1	47.37	21.692	
12,700.0	10,890.0	11,725.9	9,918.0	48.0	45.7	18.74	-1,644.9	-30.0	1,027.5	978.8	48.62	21.133	
12,800.0	10,890.0	11,825.9	9,918.0	49.0	46.8	18.74	-1,744.9	-29.3	1,027.5	977.6	49.91	20.588	
12,900.0	10,890.0	11,925.9	9,918.0	50.1	47.9	18.74	-1,844.9	-28.5	1,027.5	976.2	51.23	20.057	
13,000.0	10,890.0	12,025.9	9,918.0	51.1	49.0	18.74	-1,944.9	-27.7	1,027.5	974.9	52.58	19.542	
13,100.0	10,890.0	12,125.9	9,918.0	52.2	50.2	18.74	-2,044.8	-27.0	1,027.5	973.5	53.96	19.043	
13,200.0	10,890.0	12,225.9	9,918.0	53.3	51.4	18.74	-2,144.8	-26.2	1,027.5	972.1	55.36	18.560	
13,300.0	10,890.0	12,325.9	9,918.0	54.5	52.6	18.74	-2,244.8	-25.4	1,027.5	970.7	56.79	18.093	
13,400.0	10,890.0	12,425.9	9,918.0	55.7	53.8	18.74	-2,344.8	-24.7	1,027.5	969.2	58.24	17.642	
13,500.0	10,890.0	12,525.9	9,918.0	56.9	55.1	18.74	-2,444.8	-23.9	1,027.5	967.8	59.71	17.207	
13,600.0	10,890.0	12,625.9	9,918.0	58.1	56.3	18.74	-2,544.8	-23.1	1,027.5	966.3	61.20	16.788	
13,700.0	10,890.0	12,725.9	9,918.0	59.3	57.6	18.74	-2,644.8	-22.4	1,027.5	964.8	62.71	16.385	
13,800.0	10,890.0	12,825.9	9,918.0	60.6	59.0	18.74	-2,744.8	-21.6	1,027.5	963.2	64.23	15.996	
13,900.0	10,890.0	12,925.9	9,918.0	61.9	60.3	18.74	-2,844.8	-20.8	1,027.5	961.7	65.77	15.622	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #121H - 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	10,890.0	13,025.9	9,918.0	63.2	61.6	18.74	-2,944.8	-20.1	1,027.5	960.1	67.33	15.261	
14,100.0	10,890.0	13,125.9	9,918.0	64.5	63.0	18.74	-3,044.8	-19.3	1,027.5	958.6	68.89	14.914	
14,200.0	10,890.0	13,225.9	9,918.0	65.8	64.4	18.74	-3,144.8	-18.5	1,027.5	957.0	70.47	14.579	
14,300.0	10,890.0	13,325.9	9,918.0	67.2	65.8	18.74	-3,244.8	-17.7	1,027.5	955.4	72.06	14.258	
14,400.0	10,890.0	13,425.9	9,918.0	68.5	67.2	18.74	-3,344.8	-17.0	1,027.5	953.8	73.67	13.947	
14,500.0	10,890.0	13,525.9	9,918.0	69.9	68.6	18.74	-3,444.8	-16.2	1,027.5	952.2	75.28	13.649	
14,600.0	10,890.0	13,625.9	9,918.0	71.3	70.0	18.74	-3,544.8	-15.4	1,027.5	950.6	76.90	13.361	
14,700.0	10,890.0	13,725.9	9,918.0	72.7	71.4	18.74	-3,644.8	-14.7	1,027.5	948.9	78.53	13.083	
14,800.0	10,890.0	13,825.9	9,918.0	74.1	72.9	18.74	-3,744.8	-13.9	1,027.5	947.3	80.17	12.816	
14,900.0	10,890.0	13,925.9	9,918.0	75.5	74.3	18.74	-3,844.8	-13.1	1,027.5	945.6	81.82	12.558	
15,000.0	10,890.0	14,025.9	9,918.0	76.9	75.8	18.74	-3,944.8	-12.4	1,027.5	944.0	83.47	12.309	
15,100.0	10,890.0	14,125.9	9,918.0	78.3	77.3	18.74	-4,044.8	-11.6	1,027.5	942.3	85.13	12.069	
15,200.0	10,890.0	14,225.9	9,918.0	79.8	78.7	18.74	-4,144.8	-10.8	1,027.5	940.7	86.80	11.837	
15,300.0	10,890.0	14,325.9	9,918.0	81.2	80.2	18.74	-4,244.8	-10.1	1,027.5	939.0	88.48	11.613	
15,400.0	10,890.0	14,425.9	9,918.0	82.7	81.7	18.74	-4,344.8	-9.3	1,027.5	937.3	90.16	11.396	
15,500.0	10,890.0	14,525.9	9,918.0	84.1	83.2	18.74	-4,444.8	-8.5	1,027.5	935.6	91.84	11.187	
15,600.0	10,890.0	14,625.9	9,918.0	85.6	84.7	18.74	-4,544.8	-7.8	1,027.5	933.9	93.53	10.985	
15,700.0	10,890.0	14,725.9	9,918.0	87.1	86.2	18.74	-4,644.8	-7.0	1,027.5	932.2	95.23	10.789	
15,800.0	10,890.0	14,825.9	9,918.0	88.6	87.7	18.74	-4,744.8	-6.2	1,027.5	930.5	96.93	10.600	
15,900.0	10,890.0	14,925.9	9,918.0	90.1	89.2	18.74	-4,844.8	-5.5	1,027.5	928.8	98.63	10.417	
16,000.0	10,890.0	15,025.9	9,918.0	91.6	90.7	18.74	-4,944.8	-4.7	1,027.5	927.1	100.34	10.239	
16,100.0	10,890.0	15,125.9	9,918.0	93.1	92.3	18.74	-5,044.8	-3.9	1,027.5	925.4	102.06	10.067	
16,200.0	10,890.0	15,225.9	9,918.0	94.6	93.8	18.74	-5,144.8	-3.2	1,027.4	923.7	103.77	9.901	
16,300.0	10,890.0	15,325.9	9,918.0	96.1	95.3	18.74	-5,244.8	-2.4	1,027.4	922.0	105.50	9.739	
16,400.0	10,890.0	15,425.9	9,918.0	97.6	96.9	18.74	-5,344.8	-1.6	1,027.4	920.2	107.22	9.583	
16,500.0	10,890.0	15,525.9	9,918.0	99.1	98.4	18.74	-5,444.7	-0.9	1,027.4	918.5	108.95	9.431	
16,600.0	10,890.0	15,625.9	9,918.0	100.6	100.0	18.74	-5,544.7	-0.1	1,027.4	916.8	110.68	9.283	
16,700.0	10,890.0	15,725.9	9,918.0	102.2	101.5	18.74	-5,644.7	0.7	1,027.4	915.0	112.41	9.140	
16,800.0	10,890.0	15,825.9	9,918.0	103.7	103.1	18.74	-5,744.7	1.5	1,027.4	913.3	114.15	9.001	
16,900.0	10,890.0	15,925.9	9,918.0	105.2	104.6	18.74	-5,844.7	2.2	1,027.4	911.6	115.89	8.866	
17,000.0	10,890.0	16,025.9	9,918.0	106.8	106.2	18.74	-5,944.7	3.0	1,027.4	909.8	117.63	8.735	
17,100.0	10,890.0	16,125.9	9,918.0	108.3	107.7	18.74	-6,044.7	3.8	1,027.4	908.1	119.37	8.607	
17,200.0	10,890.0	16,225.9	9,918.0	109.9	109.3	18.74	-6,144.7	4.5	1,027.4	906.3	121.12	8.483	
17,300.0	10,890.0	16,325.9	9,918.0	111.4	110.9	18.74	-6,244.7	5.3	1,027.4	904.6	122.87	8.362	
17,400.0	10,890.0	16,425.9	9,918.0	112.9	112.4	18.74	-6,344.7	6.1	1,027.4	902.8	124.62	8.244	
17,500.0	10,890.0	16,525.9	9,918.0	114.5	114.0	18.74	-6,444.7	6.8	1,027.4	901.1	126.38	8.130	
17,600.0	10,890.0	16,625.9	9,918.0	116.1	115.6	18.74	-6,544.7	7.6	1,027.4	899.3	128.13	8.019	
17,700.0	10,890.0	16,725.9	9,918.0	117.6	117.1	18.74	-6,644.7	8.4	1,027.4	897.6	129.89	7.910	
17,800.0	10,890.0	16,825.9	9,918.0	119.2	118.7	18.74	-6,744.7	9.1	1,027.4	895.8	131.65	7.804	
17,900.0	10,890.0	16,925.9	9,918.0	120.7	120.3	18.74	-6,844.7	9.9	1,027.4	894.0	133.41	7.701	
18,000.0	10,890.0	17,025.9	9,918.0	122.3	121.9	18.74	-6,944.7	10.7	1,027.4	892.3	135.17	7.601	
18,100.0	10,890.0	17,125.9	9,918.0	123.9	123.5	18.74	-7,044.7	11.4	1,027.4	890.5	136.94	7.503	
18,200.0	10,890.0	17,225.9	9,918.0	125.5	125.1	18.74	-7,144.7	12.2	1,027.4	888.7	138.70	7.408	
18,300.0	10,890.0	17,325.9	9,918.0	127.0	126.6	18.74	-7,244.7	13.0	1,027.4	887.0	140.47	7.314	
18,400.0	10,890.0	17,425.9	9,918.0	128.6	128.2	18.74	-7,344.7	13.7	1,027.4	885.2	142.24	7.223	
18,500.0	10,890.0	17,525.9	9,918.0	130.2	129.8	18.74	-7,444.7	14.5	1,027.4	883.4	144.01	7.135	
18,600.0	10,890.0	17,625.9	9,918.0	131.8	131.4	18.74	-7,544.7	15.3	1,027.4	881.7	145.78	7.048	
18,700.0	10,890.0	17,725.9	9,918.0	133.3	133.0	18.74	-7,644.7	16.0	1,027.4	879.9	147.55	6.963	
18,800.0	10,890.0	17,825.9	9,918.0	134.9	134.6	18.73	-7,744.7	16.8	1,027.4	878.1	149.33	6.880	
18,900.0	10,890.0	17,925.9	9,918.0	136.5	136.2	18.73	-7,844.7	17.6	1,027.4	876.3	151.10	6.800	
19,000.0	10,890.0	18,025.9	9,918.0	138.1	137.8	18.73	-7,944.7	18.3	1,027.4	874.6	152.88	6.721	
19,100.0	10,890.0	18,125.9	9,918.0	139.7	139.4	18.73	-8,044.7	19.1	1,027.4	872.8	154.66	6.643	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #121H - 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	10,890.0	18,225.9	9,918.0	141.3	141.0	18.73	-8,144.7	19.9	1,027.4	871.0	156.44	6.568	
19,300.0	10,890.0	18,325.9	9,918.0	142.9	142.6	18.73	-8,244.7	20.6	1,027.4	869.2	158.22	6.494	
19,400.0	10,890.0	18,425.9	9,918.0	144.4	144.2	18.73	-8,344.7	21.4	1,027.4	867.4	160.00	6.422	
19,500.0	10,890.0	18,525.9	9,918.0	146.0	145.8	18.73	-8,444.7	22.2	1,027.4	865.7	161.78	6.351	
19,600.0	10,890.0	18,625.9	9,918.0	147.6	147.4	18.73	-8,544.7	23.0	1,027.4	863.9	163.56	6.282	
19,700.0	10,890.0	18,725.9	9,918.0	149.2	149.0	18.73	-8,644.7	23.7	1,027.4	862.1	165.35	6.214	
19,800.0	10,890.0	18,825.9	9,918.0	150.8	150.6	18.73	-8,744.7	24.5	1,027.4	860.3	167.13	6.147	
19,900.0	10,890.0	18,925.9	9,918.0	152.4	152.2	18.73	-8,844.6	25.3	1,027.4	858.5	168.92	6.082	
20,000.0	10,890.0	19,025.9	9,918.0	154.0	153.8	18.73	-8,944.6	26.0	1,027.4	856.7	170.70	6.019	
20,100.0	10,890.0	19,125.9	9,918.0	155.6	155.4	18.73	-9,044.6	26.8	1,027.4	854.9	172.49	5.956	
20,200.0	10,890.0	19,225.9	9,918.0	157.2	157.0	18.73	-9,144.6	27.6	1,027.4	853.2	174.28	5.895	
20,300.0	10,890.0	19,325.9	9,918.0	158.8	158.7	18.73	-9,244.6	28.3	1,027.4	851.4	176.07	5.835	
20,400.0	10,890.0	19,425.9	9,918.0	160.4	160.3	18.73	-9,344.6	29.1	1,027.4	849.6	177.86	5.777	
20,500.0	10,890.0	19,525.9	9,918.0	162.0	161.9	18.73	-9,444.6	29.9	1,027.4	847.8	179.65	5.719	
20,600.0	10,890.0	19,625.9	9,918.0	163.6	163.5	18.73	-9,544.6	30.6	1,027.4	846.0	181.44	5.663	
20,700.0	10,890.0	19,725.9	9,918.0	165.2	165.1	18.73	-9,644.6	31.4	1,027.4	844.2	183.23	5.607	
20,800.0	10,890.0	19,825.9	9,918.0	166.9	166.7	18.73	-9,744.6	32.2	1,027.4	842.4	185.02	5.553	
20,900.0	10,890.0	19,925.9	9,918.0	168.5	168.3	18.73	-9,844.6	32.9	1,027.4	840.6	186.82	5.500	
21,000.0	10,890.0	20,025.9	9,918.0	170.1	170.0	18.73	-9,944.6	33.7	1,027.4	838.8	188.61	5.447	
21,100.0	10,890.0	20,125.9	9,918.0	171.7	171.6	18.73	-10,044.6	34.5	1,027.4	837.0	190.41	5.396	
21,187.1	10,890.0	20,213.0	9,918.0	173.1	173.0	18.73	-10,131.7	35.1	1,027.4	835.5	191.97	5.352	SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #135H - 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	-69.83	29.5	-80.3	85.5				
100.0	100.0	101.0	101.0	0.1	0.1	-69.83	29.5	-80.3	85.5	85.2	0.26	328.977	
200.0	200.0	201.0	201.0	0.5	0.5	-69.83	29.5	-80.3	85.5	84.5	0.98	87.526	
300.0	300.0	301.0	301.0	0.8	0.8	-69.83	29.5	-80.3	85.5	83.8	1.69	50.478	
400.0	400.0	401.0	401.0	1.2	1.2	-69.83	29.5	-80.3	85.5	83.1	2.41	35.466	
500.0	500.0	501.0	501.0	1.6	1.6	-69.83	29.5	-80.3	85.5	82.4	3.13	27.336	
600.0	600.0	601.0	601.0	1.9	1.9	-69.83	29.5	-80.3	85.5	81.7	3.84	22.239	
700.0	700.0	701.0	701.0	2.3	2.3	-69.83	29.5	-80.3	85.5	80.9	4.56	18.743	
800.0	800.0	801.0	801.0	2.6	2.6	-69.83	29.5	-80.3	85.5	80.2	5.28	16.198	
900.0	900.0	901.0	901.0	3.0	3.0	-69.83	29.5	-80.3	85.5	79.5	6.00	14.261	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	-69.83	29.5	-80.3	85.5	78.8	6.71	12.737	CC, ES
1,100.0	1,100.0	1,099.6	1,099.6	3.7	3.7	-69.60	30.1	-80.9	86.3	78.9	7.42	11.629	
1,200.0	1,200.0	1,198.2	1,198.2	4.1	4.1	-68.95	31.8	-82.7	88.7	80.6	8.13	10.915	
1,300.0	1,300.0	1,296.7	1,296.5	4.4	4.4	-67.95	34.8	-85.8	92.7	83.9	8.83	10.499	
1,400.0	1,400.0	1,395.0	1,394.6	4.8	4.8	-66.68	38.8	-90.1	98.4	88.8	9.53	10.318	
1,500.0	1,500.0	1,493.0	1,492.4	5.1	5.1	-65.26	44.1	-95.6	105.7	95.4	10.23	10.328	
1,600.0	1,600.0	1,590.8	1,589.7	5.5	5.5	-63.78	50.4	-102.3	114.6	103.7	10.92	10.494	
1,700.0	1,700.0	1,688.2	1,686.5	5.9	5.8	-62.30	57.9	-110.2	125.3	113.7	11.61	10.791	
1,800.0	1,800.0	1,785.2	1,782.8	6.2	6.2	-60.88	66.4	-119.3	137.7	125.4	12.30	11.198	
1,900.0	1,900.0	1,883.9	1,880.5	6.6	6.6	-59.58	75.9	-129.2	151.2	138.2	13.00	11.630	
2,000.0	2,000.0	1,982.9	1,978.5	6.9	7.0	-58.49	85.3	-139.2	164.8	151.1	13.72	12.018	
2,100.0	2,100.0	2,082.0	2,076.6	7.3	7.3	-57.57	94.8	-149.2	178.5	164.0	14.43	12.370	
2,200.0	2,200.0	2,181.0	2,174.7	7.7	7.7	-56.77	104.3	-159.2	192.2	177.0	15.14	12.690	
2,300.0	2,300.0	2,280.0	2,272.7	8.0	8.1	-56.09	113.8	-169.2	205.9	190.0	15.86	12.983	
2,400.0	2,400.0	2,379.0	2,370.8	8.4	8.5	-55.48	123.3	-179.2	219.6	203.0	16.57	13.252	
2,500.0	2,500.0	2,478.1	2,468.9	8.7	8.9	-54.95	132.7	-189.2	233.4	216.1	17.29	13.499	
2,600.0	2,600.0	2,577.1	2,566.9	9.1	9.3	-54.48	142.2	-199.2	247.2	229.1	18.00	13.727	
2,700.0	2,700.0	2,676.1	2,665.0	9.4	9.7	-54.06	151.7	-209.3	260.9	242.2	18.72	13.938	
2,800.0	2,800.0	2,775.1	2,763.1	9.8	10.1	-53.68	161.2	-219.3	274.8	255.3	19.44	14.134	
2,900.0	2,900.0	2,874.2	2,861.1	10.2	10.5	-53.34	170.6	-229.3	288.6	268.4	20.16	14.316	
3,000.0	3,000.0	2,973.2	2,959.2	10.5	10.9	-53.03	180.1	-239.3	302.4	281.5	20.88	14.485	
3,100.0	3,100.0	3,072.2	3,057.3	10.9	11.3	-89.41	189.6	-249.3	316.2	294.6	21.59	14.645	
3,200.0	3,200.0	3,171.3	3,155.3	11.2	11.7	-89.46	199.1	-259.3	330.0	307.7	22.31	14.794	
3,300.0	3,299.9	3,270.3	3,253.4	11.6	12.1	-89.79	208.6	-269.3	343.8	320.8	23.03	14.933	
3,400.0	3,399.7	3,369.2	3,351.3	11.9	12.5	-90.37	218.0	-279.3	357.7	333.9	23.74	15.064	
3,500.0	3,499.4	3,468.1	3,449.2	12.3	12.9	-91.16	227.5	-289.3	371.6	347.1	24.46	15.190	
3,600.0	3,598.9	3,566.8	3,547.0	12.7	13.4	-92.14	236.9	-299.2	385.7	360.5	25.19	15.313	
3,700.0	3,698.3	3,665.4	3,644.6	13.0	13.8	-93.29	246.4	-309.2	400.0	374.1	25.91	15.437	
3,800.0	3,797.4	3,763.8	3,742.0	13.4	14.2	-94.59	255.8	-319.1	414.6	388.0	26.64	15.564	
3,900.0	3,896.4	3,862.0	3,839.4	13.8	14.6	-96.05	265.2	-329.1	429.6	402.2	27.38	15.693	
4,000.0	3,995.5	3,960.3	3,936.7	14.1	15.0	-97.41	274.6	-339.0	444.8	416.7	28.11	15.823	
4,100.0	4,094.5	4,058.6	4,034.1	14.5	15.4	-98.68	284.0	-348.9	460.3	431.5	28.85	15.952	
4,200.0	4,193.5	4,156.9	4,131.4	14.9	15.8	-99.87	293.4	-358.9	476.0	446.4	29.60	16.081	
4,300.0	4,292.5	4,255.2	4,228.7	15.2	16.2	-100.98	302.8	-368.8	491.8	461.5	30.35	16.207	
4,400.0	4,391.6	4,353.5	4,326.1	15.6	16.6	-102.03	312.2	-378.7	507.9	476.8	31.10	16.332	
4,500.0	4,490.6	4,451.8	4,423.4	16.0	17.0	-103.01	321.6	-388.7	524.1	492.2	31.85	16.455	
4,600.0	4,589.6	4,550.1	4,520.7	16.4	17.4	-103.93	331.1	-398.6	540.4	507.8	32.60	16.575	
4,700.0	4,688.6	4,648.4	4,618.1	16.8	17.8	-104.80	340.5	-408.5	556.9	523.5	33.36	16.693	
4,800.0	4,787.7	4,746.7	4,715.4	17.2	18.2	-105.62	349.9	-418.5	573.4	539.3	34.12	16.808	
4,900.0	4,886.7	4,857.7	4,825.5	17.5	18.7	-106.53	359.8	-428.9	589.3	554.3	34.98	16.848	
5,000.0	4,985.7	4,972.7	4,939.9	17.9	19.1	-107.55	367.7	-437.3	602.6	566.8	35.84	16.812	
5,100.0	5,084.8	5,088.2	5,055.1	18.3	19.6	-108.67	373.4	-443.2	613.4	576.7	36.68	16.722	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #135H - 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
5,200.0	5,183.8	5,203.9	5,170.7	18.7	20.0	-109.89	376.6	-446.6	621.7	584.2	37.49	16.581	
5,300.0	5,282.8	5,319.8	5,286.6	19.1	20.4	-111.23	377.4	-447.5	627.5	589.3	38.27	16.397	
5,400.0	5,381.8	5,416.0	5,382.8	19.5	20.7	-112.36	377.4	-447.5	632.8	593.8	39.01	16.221	
5,500.0	5,480.9	5,515.1	5,481.9	19.9	21.0	-113.51	377.4	-447.5	638.2	598.5	39.75	16.056	
5,600.0	5,579.9	5,614.1	5,580.9	20.3	21.3	-114.63	377.4	-447.5	644.0	603.5	40.49	15.903	
5,700.0	5,678.9	5,713.1	5,679.9	20.7	21.6	-115.74	377.4	-447.5	649.9	608.7	41.23	15.762	
5,800.0	5,777.9	5,812.1	5,778.9	21.1	22.0	-116.83	377.4	-447.5	656.1	614.2	41.97	15.632	
5,900.0	5,877.0	5,911.2	5,878.0	21.5	22.3	-117.89	377.4	-447.5	662.6	619.9	42.71	15.512	
6,000.0	5,976.0	6,010.2	5,977.0	21.9	22.6	-118.94	377.4	-447.5	669.3	625.8	43.45	15.402	
6,100.0	6,075.0	6,109.2	6,076.0	22.3	23.0	-119.96	377.4	-447.5	676.2	632.0	44.19	15.300	
6,200.0	6,174.0	6,208.3	6,175.0	22.7	23.3	-120.97	377.4	-447.5	683.3	638.3	44.93	15.207	
6,300.0	6,273.1	6,307.3	6,274.1	23.1	23.6	-121.95	377.4	-447.5	690.6	644.9	45.67	15.122	
6,400.0	6,372.1	6,406.3	6,373.1	23.5	24.0	-122.91	377.4	-447.5	698.1	651.7	46.40	15.044	
6,500.0	6,471.1	6,505.3	6,472.1	23.9	24.3	-123.86	377.4	-447.5	705.8	658.7	47.14	14.972	
6,557.1	6,527.6	6,561.8	6,528.6	24.1	24.5	-124.38	377.4	-447.5	710.3	662.7	47.56	14.935	
6,600.0	6,570.2	6,604.4	6,571.2	24.3	24.6	-124.80	377.4	-447.5	713.6	665.7	47.87	14.905	
6,700.0	6,669.5	6,703.7	6,670.5	24.7	25.0	-125.63	377.4	-447.5	720.2	671.6	48.60	14.819	
6,800.0	6,769.1	6,803.3	6,770.1	25.1	25.3	-126.26	377.4	-447.5	725.5	676.1	49.32	14.709	
6,900.0	6,868.9	6,903.1	6,869.9	25.4	25.6	-126.71	377.4	-447.5	729.2	679.2	50.03	14.575	
7,000.0	6,968.8	7,003.1	6,969.8	25.8	26.0	-126.96	377.4	-447.5	731.4	680.7	50.73	14.417	
7,090.4	7,059.2	7,106.6	7,060.2	26.1	26.3	-90.39	377.4	-447.5	732.1	680.7	51.41	14.240	
7,100.0	7,068.8	7,103.0	7,069.8	26.1	26.3	-90.39	377.4	-447.5	732.1	680.6	51.43	14.235	
7,200.0	7,168.8	7,203.0	7,169.8	26.5	26.6	-90.39	377.4	-447.5	732.1	679.9	52.12	14.046	
7,300.0	7,268.8	7,303.0	7,269.8	26.8	27.0	-90.39	377.4	-447.5	732.1	679.2	52.81	13.862	
7,400.0	7,368.8	7,403.0	7,369.8	27.2	27.3	-90.39	377.4	-447.5	732.1	678.6	53.50	13.682	
7,500.0	7,468.8	7,503.0	7,469.8	27.5	27.7	-90.39	377.4	-447.5	732.1	677.9	54.20	13.507	
7,600.0	7,568.8	7,603.0	7,569.8	27.8	28.0	-90.39	377.4	-447.5	732.1	677.2	54.89	13.336	
7,700.0	7,668.8	7,703.0	7,669.8	28.2	28.4	-90.39	377.4	-447.5	732.1	676.5	55.59	13.170	
7,800.0	7,768.8	7,803.0	7,769.8	28.5	28.7	-90.39	377.4	-447.5	732.1	675.8	56.28	13.007	
7,900.0	7,868.8	7,903.0	7,869.8	28.9	29.0	-90.39	377.4	-447.5	732.1	675.1	56.98	12.848	
8,000.0	7,968.8	8,003.0	7,969.8	29.2	29.4	-90.39	377.4	-447.5	732.1	674.4	57.67	12.693	
8,100.0	8,068.8	8,103.0	8,069.8	29.6	29.7	-90.39	377.4	-447.5	732.1	673.7	58.37	12.542	
8,200.0	8,168.8	8,203.0	8,169.8	29.9	30.1	-90.39	377.4	-447.5	732.1	673.0	59.07	12.394	
8,300.0	8,268.8	8,303.0	8,269.8	30.3	30.4	-90.39	377.4	-447.5	732.1	672.3	59.76	12.249	
8,400.0	8,368.8	8,403.0	8,369.8	30.6	30.8	-90.39	377.4	-447.5	732.1	671.6	60.46	12.108	
8,500.0	8,468.8	8,503.0	8,469.8	30.9	31.1	-90.39	377.4	-447.5	732.1	670.9	61.16	11.969	
8,600.0	8,568.8	8,603.0	8,569.8	31.3	31.4	-90.39	377.4	-447.5	732.1	670.2	61.86	11.834	
8,700.0	8,668.8	8,703.0	8,669.8	31.6	31.8	-90.39	377.4	-447.5	732.1	669.5	62.56	11.702	
8,800.0	8,768.8	8,803.0	8,769.8	32.0	32.1	-90.39	377.4	-447.5	732.1	668.8	63.26	11.572	
8,900.0	8,868.8	8,903.0	8,869.8	32.3	32.5	-90.39	377.4	-447.5	732.1	668.1	63.96	11.446	
9,000.0	8,968.8	9,003.0	8,969.8	32.7	32.8	-90.39	377.4	-447.5	732.1	667.4	64.66	11.322	
9,100.0	9,068.8	9,103.0	9,069.8	33.0	33.2	-90.39	377.4	-447.5	732.1	666.7	65.36	11.200	
9,200.0	9,168.8	9,203.0	9,169.8	33.4	33.5	-90.39	377.4	-447.5	732.1	666.0	66.06	11.082	
9,300.0	9,268.8	9,303.0	9,269.8	33.7	33.9	-90.39	377.4	-447.5	732.1	665.3	66.76	10.965	
9,400.0	9,368.8	9,403.0	9,369.8	34.1	34.2	-90.39	377.4	-447.5	732.1	664.6	67.46	10.851	
9,500.0	9,468.8	9,503.0	9,469.8	34.4	34.6	-90.39	377.4	-447.5	732.1	663.9	68.17	10.739	
9,600.0	9,568.8	9,603.0	9,569.8	34.8	34.9	-90.39	377.4	-447.5	732.1	663.2	68.87	10.630	
9,700.0	9,668.8	9,703.0	9,669.8	35.1	35.3	-90.39	377.4	-447.5	732.1	662.5	69.57	10.522	
9,800.0	9,768.8	9,803.0	9,769.8	35.5	35.6	-90.39	377.4	-447.5	732.1	661.8	70.27	10.417	
9,900.0	9,868.8	9,903.0	9,869.8	35.8	36.0	-90.39	377.4	-447.5	732.1	661.1	70.98	10.314	
10,000.0	9,968.8	10,003.0	9,969.8	36.2	36.3	-90.39	377.4	-447.5	732.1	660.4	71.68	10.213	
10,100.0	10,068.8	10,103.0	10,069.8	36.5	36.7	-90.39	377.4	-447.5	732.1	659.7	72.39	10.113	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #135H - 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
10,200.0	10,168.8	10,203.0	10,169.8	36.9	37.0	-90.39	377.4	-447.5	732.1	659.0	73.09	10.016	
10,300.0	10,268.8	10,303.0	10,269.8	37.2	37.3	-90.39	377.4	-447.5	732.1	658.3	73.79	9.920	
10,348.2	10,317.0	10,352.8	10,319.6	37.4	37.5	-90.40	377.3	-447.5	732.0	657.9	74.14	9.874	
10,350.0	10,318.8	10,355.0	10,321.7	37.4	37.5	90.03	377.2	-447.5	732.0	657.9	74.15	9.873	
10,400.0	10,368.8	10,412.3	10,378.9	37.6	37.7	89.94	372.9	-447.0	731.7	657.2	74.47	9.825	
10,450.0	10,418.3	10,469.3	10,435.0	37.7	37.9	89.85	363.0	-446.0	730.8	656.0	74.76	9.775	
10,500.0	10,467.1	10,526.1	10,489.6	37.8	38.0	89.75	347.7	-444.3	729.4	654.4	75.02	9.723	
10,550.0	10,514.7	10,582.4	10,542.1	38.0	38.1	89.65	327.3	-442.1	727.6	652.4	75.26	9.668	
10,600.0	10,560.8	10,638.3	10,591.9	38.1	38.2	89.55	302.0	-439.3	725.4	649.9	75.48	9.610	
10,650.0	10,605.1	10,693.7	10,638.5	38.2	38.3	89.45	272.4	-436.1	722.7	647.0	75.68	9.549	
10,700.0	10,647.1	10,748.6	10,681.7	38.2	38.4	89.36	238.8	-432.5	719.6	643.7	75.87	9.484	
10,750.0	10,686.7	10,802.8	10,720.9	38.3	38.5	89.26	201.6	-428.4	716.2	640.2	76.05	9.417	
10,800.0	10,723.4	10,856.4	10,756.2	38.4	38.5	89.18	161.5	-424.1	712.5	636.2	76.23	9.346	
10,850.0	10,757.1	10,909.4	10,787.1	38.4	38.6	89.09	118.7	-419.4	708.5	632.1	76.41	9.272	
10,900.0	10,787.4	10,961.8	10,813.6	38.5	38.6	89.02	73.9	-414.6	704.2	627.6	76.58	9.195	
10,950.0	10,814.1	11,013.5	10,835.7	38.5	38.6	88.95	27.4	-409.5	699.7	623.0	76.76	9.116	
11,000.0	10,837.1	11,064.6	10,853.3	38.5	38.6	88.89	-20.3	-404.3	695.1	618.2	76.94	9.034	
11,050.0	10,856.0	11,115.1	10,866.4	38.6	38.7	88.83	-68.8	-399.1	690.4	613.2	77.12	8.951	
11,100.0	10,870.9	11,165.0	10,875.0	38.6	38.7	88.78	-117.6	-393.8	685.5	608.2	77.31	8.867	
11,150.0	10,881.6	11,214.4	10,879.4	38.7	38.8	88.75	-166.5	-388.4	680.6	603.1	77.49	8.783	
11,200.0	10,887.9	11,259.1	10,880.0	38.8	38.9	88.79	-211.0	-383.7	675.8	598.1	77.68	8.700	
11,248.2	10,890.0	11,297.9	10,880.0	38.9	39.0	89.06	-249.6	-380.0	671.6	593.7	77.86	8.626	
11,300.0	10,890.0	11,339.8	10,880.0	39.0	39.1	89.05	-291.4	-376.6	667.8	589.7	78.08	8.553	
11,400.0	10,890.0	11,420.8	10,880.0	39.3	39.4	89.05	-372.3	-371.8	662.7	584.1	78.59	8.432	
11,500.0	10,890.0	11,502.1	10,880.0	39.6	39.7	89.05	-453.4	-369.3	660.3	581.1	79.20	8.338	
11,549.3	10,890.0	11,545.3	10,880.0	39.8	39.8	89.05	-496.7	-368.9	660.2	580.6	79.56	8.298	
11,600.0	10,890.0	11,604.0	10,880.0	40.0	40.1	89.05	-547.4	-368.5	660.2	580.2	80.01	8.251	
11,700.0	10,890.0	11,704.0	10,880.0	40.5	40.6	89.05	-647.4	-367.7	660.2	579.2	80.94	8.156	
11,800.0	10,890.0	11,804.0	10,880.0	41.0	41.1	89.05	-747.4	-366.9	660.2	578.2	82.00	8.051	
11,900.0	10,890.0	11,904.0	10,880.0	41.6	41.7	89.05	-847.4	-366.2	660.2	577.0	83.18	7.937	
12,000.0	10,890.0	12,004.0	10,880.0	42.2	42.4	89.05	-947.4	-365.4	660.2	575.7	84.46	7.816	
12,100.0	10,890.0	12,104.0	10,880.0	42.9	43.1	89.05	-1,047.4	-364.6	660.2	574.3	85.86	7.689	
12,200.0	10,890.0	12,204.0	10,880.0	43.6	43.9	89.05	-1,147.4	-363.9	660.2	572.8	87.36	7.557	
12,300.0	10,890.0	12,296.0	10,880.0	44.4	44.6	89.05	-1,247.4	-363.1	660.2	571.3	88.89	7.427	
12,400.0	10,890.0	12,404.0	10,880.0	45.3	45.5	89.05	-1,347.4	-362.3	660.2	569.5	90.64	7.283	
12,500.0	10,890.0	12,504.0	10,880.0	46.2	46.4	89.05	-1,447.4	-361.5	660.2	567.7	92.42	7.143	
12,600.0	10,890.0	12,604.0	10,880.0	47.1	47.4	89.05	-1,547.4	-360.8	660.2	565.9	94.28	7.002	
12,700.0	10,890.0	12,704.0	10,880.0	48.0	48.4	89.05	-1,647.4	-360.0	660.2	563.9	96.22	6.861	
12,800.0	10,890.0	12,804.0	10,880.0	49.0	49.4	89.05	-1,747.4	-359.2	660.2	561.9	98.22	6.721	
12,900.0	10,890.0	12,896.0	10,880.0	50.1	50.3	89.05	-1,847.4	-358.5	660.2	559.9	100.22	6.587	
13,000.0	10,890.0	13,004.0	10,880.0	51.1	51.5	89.05	-1,947.4	-357.7	660.2	557.7	102.45	6.444	
13,100.0	10,890.0	13,104.0	10,880.0	52.2	52.6	89.05	-2,047.4	-356.9	660.2	555.5	104.65	6.308	
13,200.0	10,890.0	13,204.0	10,880.0	53.3	53.7	89.05	-2,147.4	-356.2	660.1	553.2	106.91	6.175	
13,300.0	10,890.0	13,304.0	10,880.0	54.5	54.9	89.05	-2,247.4	-355.4	660.1	550.9	109.22	6.044	
13,400.0	10,890.0	13,404.0	10,880.0	55.7	56.1	89.05	-2,347.4	-354.6	660.1	548.6	111.59	5.916	
13,500.0	10,890.0	13,504.0	10,880.0	56.9	57.3	89.05	-2,447.4	-353.9	660.1	546.1	114.00	5.791	
13,600.0	10,890.0	13,604.0	10,880.0	58.1	58.5	89.05	-2,547.4	-353.1	660.1	543.7	116.45	5.669	
13,700.0	10,890.0	13,704.0	10,880.0	59.3	59.8	89.05	-2,647.4	-352.3	660.1	541.2	118.95	5.550	
13,800.0	10,890.0	13,804.0	10,880.0	60.6	61.1	89.05	-2,747.4	-351.6	660.1	538.7	121.48	5.434	
13,900.0	10,890.0	13,904.0	10,880.0	61.9	62.3	89.05	-2,847.4	-350.8	660.1	536.1	124.05	5.322	
14,000.0	10,890.0	14,004.0	10,880.0	63.2	63.6	89.05	-2,947.4	-350.0	660.1	533.5	126.65	5.212	
14,100.0	10,890.0	14,104.0	10,880.0	64.5	65.0	89.05	-3,047.4	-349.3	660.1	530.8	129.29	5.106	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #135H - 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	10,890.0	14,204.0	10,880.0	65.8	66.3	89.05	-3,147.3	-348.5	660.1	528.2	131.96	5.003	
14,300.0	10,890.0	14,304.0	10,880.0	67.2	67.7	89.05	-3,247.3	-347.7	660.1	525.5	134.65	4.902	
14,400.0	10,890.0	14,404.0	10,880.0	68.5	69.0	89.05	-3,347.3	-347.0	660.1	522.8	137.37	4.805	
14,500.0	10,890.0	14,504.0	10,880.0	69.9	70.4	89.05	-3,447.3	-346.2	660.1	520.0	140.12	4.711	
14,600.0	10,890.0	14,604.0	10,880.0	71.3	71.8	89.05	-3,547.3	-345.4	660.1	517.2	142.89	4.620	
14,700.0	10,890.0	14,704.0	10,880.0	72.7	73.2	89.05	-3,647.3	-344.6	660.1	514.4	145.68	4.531	
14,800.0	10,890.0	14,804.0	10,880.0	74.1	74.6	89.05	-3,747.3	-343.9	660.1	511.6	148.50	4.445	
14,900.0	10,890.0	14,904.0	10,880.0	75.5	76.0	89.05	-3,847.3	-343.1	660.1	508.8	151.33	4.362	
15,000.0	10,890.0	15,004.0	10,880.0	76.9	77.4	89.05	-3,947.3	-342.3	660.1	505.9	154.18	4.281	
15,100.0	10,890.0	15,104.0	10,880.0	78.3	78.9	89.05	-4,047.3	-341.6	660.1	503.1	157.05	4.203	
15,200.0	10,890.0	15,204.0	10,880.0	79.8	80.3	89.05	-4,147.3	-340.8	660.1	500.2	159.94	4.127	
15,300.0	10,890.0	15,304.0	10,880.0	81.2	81.8	89.05	-4,247.3	-340.0	660.1	497.3	162.84	4.054	
15,400.0	10,890.0	15,404.0	10,880.0	82.7	83.2	89.05	-4,347.3	-339.3	660.1	494.4	165.76	3.982	
15,500.0	10,890.0	15,504.0	10,880.0	84.1	84.7	89.05	-4,447.3	-338.5	660.1	491.4	168.70	3.913	
15,600.0	10,890.0	15,604.0	10,880.0	85.6	86.2	89.05	-4,547.3	-337.7	660.1	488.5	171.64	3.846	
15,700.0	10,890.0	15,704.0	10,880.0	87.1	87.6	89.05	-4,647.3	-337.0	660.1	485.5	174.60	3.781	
15,800.0	10,890.0	15,804.0	10,880.0	88.6	89.1	89.05	-4,747.3	-336.2	660.1	482.5	177.57	3.717	
15,900.0	10,890.0	15,904.0	10,880.0	90.1	90.6	89.05	-4,847.3	-335.4	660.1	479.6	180.55	3.656	
16,000.0	10,890.0	16,004.0	10,880.0	91.6	92.1	89.05	-4,947.3	-334.7	660.1	476.6	183.55	3.596	
16,100.0	10,890.0	16,104.0	10,880.0	93.1	93.6	89.05	-5,047.3	-333.9	660.1	473.6	186.55	3.538	
16,200.0	10,890.0	16,204.0	10,880.0	94.6	95.1	89.05	-5,147.3	-333.1	660.1	470.5	189.57	3.482	
16,300.0	10,890.0	16,304.0	10,880.0	96.1	96.6	89.05	-5,247.3	-332.4	660.1	467.5	192.59	3.428	
16,400.0	10,890.0	16,404.0	10,880.0	97.6	98.2	89.05	-5,347.3	-331.6	660.1	464.5	195.62	3.374	
16,500.0	10,890.0	16,504.0	10,880.0	99.1	99.7	89.05	-5,447.3	-330.8	660.1	461.4	198.66	3.323	
16,600.0	10,890.0	16,596.0	10,880.0	100.6	101.1	89.05	-5,547.3	-330.1	660.1	458.5	201.59	3.274	
16,700.0	10,890.0	16,704.0	10,880.0	102.2	102.7	89.05	-5,647.3	-329.3	660.1	455.3	204.77	3.224	
16,800.0	10,890.0	16,804.0	10,880.0	103.7	104.3	89.05	-5,747.3	-328.5	660.1	452.3	207.84	3.176	
16,900.0	10,890.0	16,904.0	10,880.0	105.2	105.8	89.05	-5,847.3	-327.7	660.1	449.2	210.91	3.130	
17,000.0	10,890.0	17,004.0	10,880.0	106.8	107.3	89.05	-5,947.3	-327.0	660.1	446.1	213.99	3.085	
17,100.0	10,890.0	17,104.0	10,880.0	108.3	108.9	89.05	-6,047.3	-326.2	660.1	443.0	217.08	3.041	
17,200.0	10,890.0	17,204.0	10,880.0	109.9	110.4	89.05	-6,147.3	-325.4	660.1	439.9	220.17	2.998	
17,300.0	10,890.0	17,304.0	10,880.0	111.4	112.0	89.05	-6,247.3	-324.7	660.1	436.8	223.27	2.956	
17,400.0	10,890.0	17,404.0	10,880.0	112.9	113.5	89.05	-6,347.3	-323.9	660.1	433.7	226.37	2.916	
17,500.0	10,890.0	17,504.0	10,880.0	114.5	115.1	89.05	-6,447.2	-323.1	660.1	430.6	229.48	2.876	
17,600.0	10,890.0	17,604.0	10,880.0	116.1	116.7	89.05	-6,547.2	-322.4	660.1	427.5	232.60	2.838	
17,700.0	10,890.0	17,704.0	10,880.0	117.6	118.2	89.05	-6,647.2	-321.6	660.1	424.4	235.72	2.800	
17,800.0	10,890.0	17,804.0	10,880.0	119.2	119.8	89.05	-6,747.2	-320.8	660.1	421.2	238.84	2.764	
17,900.0	10,890.0	17,904.0	10,880.0	120.7	121.3	89.05	-6,847.2	-320.1	660.1	418.1	241.97	2.728	
18,000.0	10,890.0	18,004.0	10,880.0	122.3	122.9	89.05	-6,947.2	-319.3	660.1	415.0	245.11	2.693	
18,100.0	10,890.0	18,104.0	10,880.0	123.9	124.5	89.05	-7,047.2	-318.5	660.1	411.8	248.25	2.659	
18,200.0	10,890.0	18,204.0	10,880.0	125.5	126.1	89.05	-7,147.2	-317.8	660.1	408.7	251.39	2.626	
18,300.0	10,890.0	18,304.0	10,880.0	127.0	127.6	89.05	-7,247.2	-317.0	660.1	405.5	254.54	2.593	
18,400.0	10,890.0	18,404.0	10,880.0	128.6	129.2	89.05	-7,347.2	-316.2	660.1	402.4	257.69	2.561	
18,500.0	10,890.0	18,504.0	10,880.0	130.2	130.8	89.05	-7,447.2	-315.5	660.1	399.2	260.85	2.530	
18,600.0	10,890.0	18,604.0	10,880.0	131.8	132.4	89.05	-7,547.2	-314.7	660.1	396.1	264.01	2.500	
18,700.0	10,890.0	18,696.0	10,880.0	133.3	133.8	89.05	-7,647.2	-313.9	660.1	393.0	267.04	2.472	
18,800.0	10,890.0	18,804.0	10,880.0	134.9	135.5	89.05	-7,747.2	-313.2	660.1	389.7	270.34	2.442	
18,900.0	10,890.0	18,904.0	10,880.0	136.5	137.1	89.05	-7,847.2	-312.4	660.1	386.6	273.51	2.413	
19,000.0	10,890.0	19,004.0	10,880.0	138.1	138.7	89.05	-7,947.2	-311.6	660.1	383.4	276.68	2.386	
19,100.0	10,890.0	19,104.0	10,880.0	139.7	140.3	89.05	-8,047.2	-310.8	660.1	380.2	279.85	2.359	
19,200.0	10,890.0	19,204.0	10,880.0	141.3	141.9	89.05	-8,147.2	-310.1	660.1	377.0	283.03	2.332	
19,300.0	10,890.0	19,296.0	10,880.0	142.9	143.3	89.05	-8,247.2	-309.3	660.1	374.0	286.09	2.307	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #135H - 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	10,890.0	19,404.0	10,880.0	144.4	145.1	89.05	-8,347.2	-308.5	660.1	370.7	289.40	2.281	
19,500.0	10,890.0	19,504.0	10,880.0	146.0	146.7	89.05	-8,447.2	-307.8	660.1	367.5	292.59	2.256	
19,600.0	10,890.0	19,604.0	10,880.0	147.6	148.2	89.05	-8,547.2	-307.0	660.1	364.3	295.78	2.232	
19,700.0	10,890.0	19,704.0	10,880.0	149.2	149.8	89.05	-8,647.2	-306.2	660.1	361.1	298.97	2.208	
19,800.0	10,890.0	19,804.0	10,880.0	150.8	151.4	89.05	-8,747.2	-305.5	660.1	357.9	302.16	2.184	
19,900.0	10,890.0	19,904.0	10,880.0	152.4	153.0	89.05	-8,847.2	-304.7	660.1	354.7	305.36	2.162	
20,000.0	10,890.0	20,004.0	10,880.0	154.0	154.6	89.05	-8,947.2	-303.9	660.0	351.5	308.56	2.139	
20,100.0	10,890.0	20,104.0	10,880.0	155.6	156.2	89.05	-9,047.2	-303.2	660.0	348.3	311.76	2.117	
20,200.0	10,890.0	20,204.0	10,880.0	157.2	157.8	89.05	-9,147.2	-302.4	660.0	345.1	314.96	2.096	
20,300.0	10,890.0	20,304.0	10,880.0	158.8	159.4	89.05	-9,247.2	-301.6	660.0	341.9	318.17	2.075	
20,400.0	10,890.0	20,404.0	10,880.0	160.4	161.0	89.05	-9,347.2	-300.9	660.0	338.7	321.38	2.054	
20,500.0	10,890.0	20,504.0	10,880.0	162.0	162.7	89.05	-9,447.2	-300.1	660.0	335.5	324.59	2.033	
20,600.0	10,890.0	20,604.0	10,880.0	163.6	164.3	89.05	-9,547.2	-299.3	660.0	332.2	327.80	2.014	
20,700.0	10,890.0	20,704.0	10,880.0	165.2	165.9	89.05	-9,647.2	-298.6	660.0	329.0	331.01	1.994	
20,800.0	10,890.0	20,804.0	10,880.0	166.9	167.5	89.05	-9,747.2	-297.8	660.0	325.8	334.23	1.975	
20,900.0	10,890.0	20,904.0	10,880.0	168.5	169.1	89.05	-9,847.1	-297.0	660.0	322.6	337.44	1.956	
21,000.0	10,890.0	21,004.0	10,880.0	170.1	170.7	89.05	-9,947.1	-296.2	660.0	319.4	340.66	1.938	
21,100.0	10,890.0	21,096.0	10,880.0	171.7	172.2	89.05	-10,047.1	-295.5	660.0	316.3	343.76	1.920	
21,187.1	10,890.0	21,183.1	10,880.0	173.1	173.4	89.05	-10,134.2	-294.8	660.0	313.6	346.41	1.905 SF	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #201H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 196-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	-90.39	-1.5	-220.0	220.0				
100.0	100.0	99.9	99.9	0.1	0.2	-90.42	-1.6	-219.8	219.8	219.6	0.28	778.343	
200.0	200.0	200.7	200.7	0.5	0.3	-90.51	-1.9	-219.2	219.3	218.5	0.80	275.684	
300.0	300.0	300.1	300.1	0.8	0.7	-90.61	-2.3	-218.6	218.6	217.1	1.52	143.907	
400.0	400.0	400.4	400.4	1.2	1.0	-90.68	-2.6	-218.1	218.1	215.9	2.24	97.498	
500.0	500.0	501.2	501.1	1.6	1.4	-90.75	-2.8	-217.3	217.3	214.3	2.96	73.500	
600.0	600.0	600.3	600.3	1.9	1.7	-90.79	-3.0	-216.4	216.5	212.8	3.67	59.026	
700.0	700.0	699.4	699.3	2.3	2.1	-90.79	-3.0	-216.1	216.1	211.7	4.38	49.369	
800.0	800.0	799.3	799.3	2.6	2.5	-90.76	-2.9	-215.9	216.0	210.9	5.09	42.433	
900.0	900.0	899.2	899.2	3.0	2.8	-90.74	-2.8	-215.8	215.8	210.0	5.80	37.220	
951.1	951.1	950.1	950.1	3.2	3.0	-90.74	-2.8	-215.8	215.8	209.6	6.16	35.048	
1,000.0	1,000.0	998.8	998.8	3.4	3.1	-90.76	-2.8	-215.8	215.8	209.3	6.50	33.199	
1,100.0	1,100.0	1,098.5	1,098.5	3.7	3.5	-90.82	-3.1	-216.0	216.0	208.8	7.20	29.997	
1,200.0	1,200.0	1,198.3	1,198.3	4.1	3.8	-90.81	-3.1	-216.2	216.3	208.4	7.90	27.389	
1,300.0	1,300.0	1,298.3	1,298.3	4.4	4.2	-90.71	-2.7	-216.6	216.6	208.0	8.60	25.202	
1,400.0	1,400.0	1,398.5	1,398.5	4.8	4.5	-90.54	-2.1	-216.9	216.9	207.6	9.30	23.331	
1,500.0	1,500.0	1,499.8	1,499.8	5.1	4.9	-90.25	-0.9	-216.9	216.9	206.9	10.01	21.674	
1,600.0	1,600.0	1,601.7	1,601.7	5.5	5.2	-89.62	1.4	-216.1	216.1	205.4	10.72	20.151	
1,700.0	1,700.0	1,703.6	1,703.4	5.9	5.6	-88.44	5.8	-214.3	214.5	203.0	11.44	18.745	
1,783.0	1,783.0	1,782.3	1,782.0	6.2	5.9	-87.35	9.9	-213.4	213.6	201.6	12.02	17.774	CC
1,800.0	1,800.0	1,798.4	1,798.1	6.2	5.9	-87.14	10.7	-213.4	213.6	201.5	12.14	17.605	ES
1,900.0	1,900.0	1,893.4	1,893.0	6.6	6.2	-85.99	15.1	-214.7	215.3	202.5	12.82	16.787	
2,000.0	2,000.0	1,994.0	1,993.5	6.9	6.6	-85.45	17.3	-217.2	217.9	204.4	13.53	16.107	
2,100.0	2,100.0	2,094.6	2,094.1	7.3	6.9	-85.99	15.4	-219.7	220.3	206.1	14.24	15.474	
2,200.0	2,200.0	2,194.6	2,194.0	7.7	7.3	-86.78	12.5	-222.1	222.6	207.6	14.94	14.900	
2,300.0	2,300.0	2,295.1	2,294.4	8.0	7.6	-87.41	10.2	-224.5	224.7	209.1	15.64	14.370	
2,400.0	2,400.0	2,396.1	2,395.4	8.4	8.0	-88.11	7.5	-226.4	226.6	210.2	16.35	13.858	
2,500.0	2,500.0	2,498.4	2,497.6	8.7	8.3	-88.93	4.3	-227.8	227.8	210.7	17.06	13.351	
2,600.0	2,600.0	2,602.5	2,601.7	9.1	8.7	-89.39	2.4	-227.5	227.5	209.7	17.78	12.794	
2,700.0	2,700.0	2,702.6	2,701.8	9.4	9.0	-89.44	2.2	-225.9	225.9	207.5	18.49	12.219	
2,800.0	2,800.0	2,800.1	2,799.3	9.8	9.4	-89.34	2.6	-225.2	225.3	206.1	19.19	11.737	
2,812.1	2,812.1	2,812.0	2,811.1	9.9	9.4	-89.31	2.7	-225.2	225.2	206.0	19.28	11.684	
2,900.0	2,900.0	2,899.3	2,898.5	10.2	9.7	-89.13	3.4	-225.4	225.4	205.5	19.90	11.328	
3,000.0	3,000.0	2,999.4	2,998.6	10.5	10.1	-88.91	4.3	-225.6	225.6	205.0	20.61	10.948	
3,100.0	3,100.0	3,099.7	3,098.9	10.9	10.4	-125.53	5.1	-225.7	226.2	204.9	21.32	10.614	
3,200.0	3,200.0	3,200.0	3,199.2	11.2	10.8	-125.90	5.7	-225.6	227.7	205.7	22.02	10.342	
3,300.0	3,299.9	3,301.2	3,300.3	11.6	11.1	-126.68	6.1	-225.3	230.0	207.3	22.73	10.118	
3,400.0	3,399.7	3,402.4	3,401.5	11.9	11.5	-127.86	6.2	-224.4	232.8	209.3	23.44	9.930	
3,500.0	3,499.4	3,505.0	3,504.2	12.3	11.9	-129.66	5.0	-222.4	235.8	211.7	24.15	9.765	
3,600.0	3,598.9	3,607.2	3,606.3	12.7	12.2	-132.23	1.9	-219.1	239.1	214.3	24.85	9.621	
3,700.0	3,698.3	3,700.5	3,699.4	13.0	12.5	-134.91	-1.7	-216.9	245.0	219.5	25.55	9.591	
3,800.0	3,797.4	3,795.7	3,794.5	13.4	12.9	-137.72	-5.5	-216.3	254.6	228.4	26.23	9.707	
3,900.0	3,896.4	3,897.7	3,896.5	13.8	13.2	-140.43	-8.5	-215.9	265.4	238.4	26.95	9.848	
4,000.0	3,995.5	3,999.2	3,998.0	14.1	13.6	-142.58	-9.4	-214.6	275.3	247.7	27.66	9.953	
4,100.0	4,094.5	4,098.0	4,096.8	14.5	13.9	-144.40	-9.7	-213.2	285.3	256.9	28.37	10.058	
4,200.0	4,193.5	4,196.8	4,195.6	14.9	14.3	-146.07	-9.9	-212.0	295.7	266.6	29.07	10.170	
4,300.0	4,292.5	4,295.4	4,294.2	15.2	14.6	-147.66	-10.4	-210.8	306.4	276.6	29.78	10.289	
4,400.0	4,391.6	4,393.5	4,392.2	15.6	15.0	-149.19	-11.1	-209.7	317.6	287.1	30.48	10.417	
4,500.0	4,490.6	4,490.8	4,489.6	16.0	15.3	-150.62	-12.2	-209.0	329.4	298.2	31.18	10.562	
4,600.0	4,589.6	4,589.1	4,587.8	16.4	15.7	-151.97	-13.4	-208.6	341.8	309.9	31.89	10.719	
4,700.0	4,688.6	4,688.2	4,687.0	16.8	16.0	-153.21	-14.5	-208.3	354.4	321.8	32.59	10.872	
4,800.0	4,787.7	4,787.7	4,786.4	17.2	16.4	-154.32	-15.3	-208.0	367.0	333.7	33.30	11.020	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #201H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 196-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	4,886.7	4,887.2	4,886.0	17.5	16.7	-155.31	-15.8	-207.8	379.6	345.6	34.02	11.161	
5,000.0	4,985.7	4,986.7	4,985.4	17.9	17.1	-156.22	-16.0	-207.5	392.2	357.5	34.73	11.294	
5,100.0	5,084.8	5,086.0	5,084.8	18.3	17.4	-157.07	-16.3	-207.1	404.8	369.4	35.44	11.422	
5,200.0	5,183.8	5,184.1	5,182.8	18.7	17.8	-157.84	-16.4	-206.8	417.5	381.4	36.14	11.552	
5,300.0	5,282.8	5,281.9	5,280.6	19.1	18.1	-158.50	-16.3	-207.1	430.6	393.8	36.84	11.688	
5,400.0	5,381.8	5,380.9	5,379.6	19.5	18.4	-159.08	-15.9	-207.6	443.9	406.3	37.54	11.823	
5,500.0	5,480.9	5,480.1	5,478.8	19.9	18.8	-159.64	-15.6	-208.1	457.2	418.9	38.25	11.953	
5,600.0	5,579.9	5,581.0	5,579.8	20.3	19.1	-160.17	-15.2	-208.5	470.3	431.3	38.96	12.071	
5,700.0	5,678.9	5,682.2	5,680.9	20.7	19.5	-160.64	-14.3	-208.6	483.0	443.3	39.68	12.174	
5,800.0	5,777.9	5,778.9	5,777.6	21.1	19.8	-161.04	-13.2	-208.9	495.8	455.5	40.37	12.282	
5,900.0	5,877.0	5,877.0	5,875.7	21.5	20.1	-161.38	-12.0	-209.8	509.1	468.0	41.07	12.395	
6,000.0	5,976.0	5,980.7	5,979.3	21.9	20.5	-161.42	-8.3	-211.9	521.9	480.1	41.81	12.484	
6,100.0	6,075.0	6,081.9	6,080.2	22.3	20.9	-161.07	-1.4	-215.3	534.0	491.4	42.53	12.556	
6,200.0	6,174.0	6,178.4	6,176.4	22.7	21.2	-160.73	5.4	-218.9	546.2	503.0	43.23	12.637	
6,300.0	6,273.1	6,281.4	6,279.1	23.1	21.6	-160.43	12.0	-222.7	558.8	514.8	43.96	12.712	
6,400.0	6,372.1	6,394.7	6,392.0	23.5	21.9	-159.99	21.6	-225.7	569.5	524.7	44.73	12.730	
6,500.0	6,471.1	6,497.1	6,493.8	23.9	22.3	-159.53	31.9	-227.4	578.4	533.0	45.46	12.722	
6,557.1	6,527.6	6,553.2	6,549.7	24.1	22.5	-159.35	37.0	-228.0	583.6	537.7	45.87	12.721	
6,600.0	6,570.2	6,595.5	6,591.8	24.3	22.7	-159.25	40.5	-228.3	587.3	541.1	46.18	12.716	
6,700.0	6,669.5	6,693.9	6,689.9	24.7	23.0	-158.92	49.1	-229.4	594.3	547.4	46.90	12.671	
6,800.0	6,769.1	6,792.0	6,787.3	25.1	23.4	-158.21	60.1	-232.4	599.2	551.6	47.62	12.583	
6,900.0	6,868.9	6,890.5	6,885.0	25.4	23.7	-157.28	72.1	-236.2	602.0	553.7	48.34	12.453	
7,000.0	6,968.8	6,989.3	6,983.1	25.8	24.1	-156.38	82.8	-239.4	602.7	553.7	49.06	12.285	
7,090.4	7,059.2	7,078.5	7,071.9	26.1	24.4	-118.92	91.6	-241.9	601.5	551.8	49.71	12.101	
7,100.0	7,068.8	7,087.9	7,081.3	26.1	24.4	-118.83	92.5	-242.1	601.3	551.5	49.78	12.080	
7,200.0	7,168.8	7,186.7	7,179.6	26.5	24.8	-117.97	101.5	-244.6	599.2	548.7	50.49	11.868	
7,300.0	7,268.8	7,284.6	7,277.1	26.8	25.1	-117.17	109.6	-247.0	597.5	546.3	51.20	11.669	
7,400.0	7,368.8	7,383.0	7,375.2	27.2	25.5	-116.42	117.2	-249.3	596.1	544.2	51.91	11.483	
7,500.0	7,468.8	7,483.3	7,475.2	27.5	25.8	-115.65	125.0	-251.7	594.8	542.2	52.63	11.303	
7,600.0	7,568.8	7,582.6	7,574.1	27.8	26.2	-114.84	133.0	-254.2	593.6	540.3	53.35	11.128	
7,700.0	7,668.8	7,678.9	7,670.0	28.2	26.5	-113.96	141.6	-257.3	592.9	538.9	54.05	10.970	
7,749.4	7,718.3	7,726.4	7,717.3	28.4	26.7	-113.48	146.3	-259.2	592.8	538.4	54.40	10.898	
7,800.0	7,768.8	7,776.2	7,766.7	28.5	26.9	-112.94	151.3	-261.5	592.9	538.1	54.76	10.827	
7,900.0	7,868.8	7,876.5	7,866.4	28.9	27.3	-111.87	161.5	-265.9	593.1	537.6	55.49	10.689	
8,000.0	7,968.8	7,976.9	7,966.2	29.2	27.6	-110.81	171.6	-270.2	593.4	537.2	56.22	10.555	
8,100.0	8,068.8	8,077.5	8,066.2	29.6	28.0	-109.74	181.9	-274.3	593.7	536.7	56.95	10.424	
8,200.0	8,168.8	8,175.8	8,164.0	29.9	28.4	-108.72	191.7	-278.1	594.0	536.4	57.67	10.300	
8,300.0	8,268.8	8,272.4	8,260.1	30.3	28.7	-107.88	199.8	-281.7	595.0	536.7	58.37	10.193	
8,400.0	8,368.8	8,374.3	8,361.7	30.6	29.1	-107.11	207.0	-285.4	596.4	537.3	59.11	10.089	
8,500.0	8,468.8	8,479.9	8,466.8	30.9	29.5	-106.16	216.3	-288.9	597.0	537.1	59.87	9.970	
8,600.0	8,568.8	8,577.2	8,563.6	31.3	29.8	-105.17	226.1	-291.9	597.3	536.7	60.59	9.857	
8,700.0	8,668.8	8,672.2	8,658.1	31.6	30.2	-104.26	235.1	-295.4	598.4	537.1	61.28	9.765	
8,800.0	8,768.8	8,770.0	8,755.4	32.0	30.5	-103.34	243.9	-299.5	600.3	538.3	62.00	9.683	
8,900.0	8,868.8	8,868.5	8,853.3	32.3	30.9	-102.35	253.6	-304.0	602.6	539.9	62.72	9.608	
9,000.0	8,968.8	8,969.1	8,953.3	32.7	31.3	-101.30	264.0	-308.6	605.0	541.6	63.46	9.534	
9,100.0	9,068.8	9,070.2	9,053.7	33.0	31.7	-100.25	274.4	-313.0	607.4	543.2	64.20	9.461	
9,200.0	9,168.8	9,173.0	9,155.7	33.4	32.0	-99.06	286.4	-317.3	609.5	544.6	64.96	9.383	
9,300.0	9,268.8	9,275.0	9,256.5	33.7	32.4	-97.62	301.4	-321.4	611.4	545.7	65.71	9.304	
9,400.0	9,368.8	9,373.8	9,354.3	34.1	32.8	-96.29	315.2	-325.2	613.5	547.1	66.45	9.233	
9,500.0	9,468.8	9,475.9	9,455.7	34.4	33.2	-95.21	326.5	-328.6	615.7	548.5	67.20	9.163	
9,600.0	9,568.8	9,587.1	9,566.4	34.8	33.6	-94.21	337.1	-330.7	616.8	548.8	68.00	9.072	
9,698.8	9,667.6	9,687.7	9,666.6	35.1	34.0	-93.40	345.9	-331.0	616.6	547.9	68.72	8.972	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #201H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 196-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
9,700.0	9,668.8	9,688.8	9,667.7	35.1	34.0	-93.39	346.0	-331.0	616.6	547.8	68.73	8.971	
9,800.0	9,768.8	9,780.9	9,759.5	35.5	34.3	-92.75	352.8	-332.0	617.3	547.8	69.41	8.893	
9,900.0	9,868.8	9,876.3	9,854.7	35.8	34.7	-92.20	358.6	-334.0	619.1	549.0	70.10	8.832	
10,000.0	9,968.8	9,975.9	9,954.2	36.2	35.0	-91.72	363.8	-336.4	621.3	550.5	70.82	8.773	
10,100.0	10,068.8	10,077.4	10,055.6	36.5	35.4	-91.32	368.1	-338.7	623.5	551.9	71.54	8.715	
10,200.0	10,168.8	10,180.5	10,158.6	36.9	35.8	-91.01	371.4	-340.5	625.2	552.9	72.27	8.650	
10,300.0	10,268.8	10,294.2	10,272.3	37.2	36.2	-90.86	373.1	-341.2	625.8	552.8	73.04	8.568	
10,348.2	10,317.0	10,344.2	10,322.3	37.4	36.3	-90.90	372.6	-340.7	625.4	552.0	73.38	8.522	
10,350.0	10,318.8	10,346.1	10,324.1	37.4	36.3	89.54	372.6	-340.7	625.3	551.9	73.39	8.521	
10,400.0	10,368.8	10,396.2	10,374.3	37.6	36.5	89.75	372.0	-340.2	624.8	551.1	73.72	8.476	
10,450.0	10,418.3	10,445.0	10,423.1	37.7	36.7	90.32	371.1	-339.7	624.3	550.3	74.03	8.434	
10,500.0	10,467.1	10,493.1	10,471.1	37.8	36.8	91.24	370.2	-339.3	624.0	549.7	74.32	8.396	
10,513.0	10,479.6	10,505.3	10,483.3	37.9	36.9	91.52	370.0	-339.2	624.0	549.6	74.40	8.387	
10,550.0	10,514.7	10,539.5	10,517.6	38.0	37.0	92.44	369.3	-339.0	624.2	549.6	74.61	8.366	
10,600.0	10,560.8	10,584.7	10,562.7	38.1	37.1	93.86	368.3	-338.8	625.0	550.2	74.87	8.348	
10,650.0	10,605.1	10,628.4	10,606.4	38.2	37.3	95.45	367.4	-338.7	626.9	551.8	75.13	8.345	
10,700.0	10,647.1	10,670.0	10,648.0	38.2	37.4	97.10	366.6	-338.6	630.2	554.9	75.36	8.363	
10,750.0	10,686.7	10,709.0	10,687.0	38.3	37.5	98.69	365.9	-338.6	635.4	559.8	75.58	8.407	
10,800.0	10,723.4	10,744.8	10,722.8	38.4	37.7	100.08	365.4	-338.7	642.8	567.0	75.77	8.483	
10,850.0	10,757.1	10,776.8	10,754.8	38.4	37.8	101.14	365.0	-338.9	652.8	576.8	75.94	8.596	
10,900.0	10,787.4	10,805.7	10,783.7	38.5	37.9	101.83	364.5	-339.1	665.7	589.6	76.09	8.750	
10,950.0	10,814.1	10,831.3	10,809.3	38.5	38.0	102.05	364.1	-339.4	681.8	605.5	76.21	8.946	
11,000.0	10,837.1	10,894.0	10,871.8	38.5	38.2	104.78	360.5	-340.0	700.6	624.3	76.35	9.177	
11,050.0	10,856.0	11,123.4	11,085.3	38.6	38.8	116.95	282.8	-330.1	715.8	642.1	73.69	9.713	
11,100.0	10,870.9	11,180.3	11,131.5	38.6	38.9	118.25	249.8	-327.2	730.0	657.0	73.00	9.999	
11,150.0	10,881.6	11,278.3	11,201.5	38.7	39.1	120.71	181.3	-326.4	745.6	674.2	71.32	10.454	
11,200.0	10,887.9	11,531.3	11,316.4	38.8	39.5	125.73	-42.0	-319.6	751.2	684.2	67.02	11.208	
11,248.2	10,890.0	11,573.6	11,330.7	38.9	39.6	126.17	-81.7	-316.2	757.0	690.4	66.65	11.358	
11,300.0	10,890.0	11,639.4	11,352.1	39.0	39.8	127.69	-143.7	-311.0	764.6	698.6	65.91	11.600	
11,400.0	10,890.0	11,818.0	11,383.0	39.3	40.3	129.67	-318.6	-305.9	774.4	709.2	65.22	11.875	
11,500.0	10,890.0	11,928.5	11,376.5	39.6	40.6	128.94	-428.6	-312.6	775.8	709.5	66.35	11.693	
11,600.0	10,890.0	12,019.3	11,375.0	40.0	41.0	128.63	-519.3	-316.8	779.0	711.8	67.22	11.590	
11,700.0	10,890.0	12,102.5	11,376.8	40.5	41.4	128.59	-602.4	-319.3	783.4	715.5	67.95	11.530	
11,800.0	10,890.0	12,183.1	11,383.1	41.0	41.8	128.85	-682.8	-320.9	790.4	721.9	68.56	11.529	
11,900.0	10,890.0	12,268.7	11,392.0	41.6	42.3	129.21	-767.8	-323.1	799.5	730.3	69.20	11.553	
12,000.0	10,890.0	12,000.0	11,404.6	42.2	40.5	129.77	-893.5	-325.2	807.8	739.9	67.93	11.892	
12,100.0	10,890.0	12,553.0	11,410.0	42.9	44.1	130.18	-1,051.2	-321.4	807.5	736.0	71.44	11.303	
12,120.4	10,890.0	12,569.3	11,410.7	43.1	44.3	130.26	-1,067.5	-320.6	807.4	735.8	71.60	11.276	
12,200.0	10,890.0	12,663.1	11,416.0	43.6	45.0	130.74	-1,161.0	-315.5	807.6	735.2	72.41	11.154	
12,300.0	10,890.0	12,779.2	11,415.5	44.4	45.9	130.94	-1,277.0	-309.8	804.1	730.3	73.79	10.897	
12,400.0	10,890.0	12,873.4	11,415.7	45.3	46.7	131.16	-1,371.0	-304.6	800.7	725.7	74.98	10.678	
12,500.0	10,890.0	12,966.8	11,417.9	46.2	47.5	131.52	-1,464.2	-298.7	798.1	722.0	76.11	10.486	
12,600.0	10,890.0	13,078.8	11,420.3	47.1	48.6	131.95	-1,575.9	-291.7	795.4	717.9	77.47	10.267	
12,700.0	10,890.0	13,157.1	11,420.0	48.0	49.4	132.03	-1,654.2	-289.0	793.1	714.4	78.73	10.074	
12,736.4	10,890.0	13,186.1	11,420.0	48.4	49.6	132.04	-1,683.2	-288.6	792.9	713.7	79.22	10.010	
12,800.0	10,890.0	13,238.2	11,420.2	49.0	50.2	132.04	-1,735.3	-288.4	793.4	713.3	80.11	9.904	
12,900.0	10,890.0	13,320.3	11,421.9	50.1	51.0	132.07	-1,817.3	-289.2	796.0	714.5	81.54	9.762	
13,000.0	10,890.0	13,431.3	11,426.3	51.1	52.2	132.22	-1,928.3	-290.0	799.9	716.6	83.31	9.602	
13,100.0	10,890.0	13,544.6	11,427.4	52.2	53.4	132.23	-2,041.5	-290.1	801.1	715.8	85.28	9.394	
13,200.0	10,890.0	13,653.2	11,428.2	53.3	54.6	132.29	-2,150.1	-288.8	801.3	714.1	87.20	9.189	
13,300.0	10,890.0	13,763.7	11,428.2	54.5	55.9	132.39	-2,260.6	-286.0	800.0	710.8	89.15	8.974	
13,400.0	10,890.0	13,852.1	11,429.2	55.7	56.9	132.57	-2,348.9	-282.7	798.6	707.9	90.73	8.803	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #201H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 196-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
13,407.1	10,890.0	13,857.1	11,429.3	55.8	56.9	132.58	-2,353.9	-282.6	798.6	707.8	90.82	8.793	
13,500.0	10,890.0	13,927.0	11,431.3	56.9	57.8	132.68	-2,423.8	-282.0	800.3	708.1	92.17	8.683	
13,600.0	10,890.0	14,032.0	11,433.8	58.1	59.0	132.73	-2,528.8	-283.1	803.2	709.1	94.19	8.528	
13,700.0	10,890.0	14,137.2	11,434.5	59.3	60.3	132.65	-2,633.9	-284.6	805.3	709.0	96.36	8.358	
13,800.0	10,890.0	14,248.1	11,434.7	60.6	61.7	132.61	-2,744.8	-284.8	806.1	707.5	98.62	8.174	
13,900.0	10,890.0	14,354.7	11,433.6	61.9	63.1	132.51	-2,851.4	-284.9	806.0	705.1	100.91	7.988	
14,000.0	10,890.0	14,465.3	11,432.9	63.2	64.5	132.53	-2,962.0	-282.8	804.8	701.7	103.17	7.801	
14,100.0	10,890.0	14,571.6	11,432.4	64.5	65.9	132.64	-3,068.3	-279.1	802.5	697.2	105.28	7.622	
14,200.0	10,890.0	14,656.0	11,431.7	65.8	67.0	132.69	-3,152.6	-276.9	800.6	693.5	107.13	7.473	
14,230.4	10,890.0	14,680.5	11,431.3	66.2	67.3	132.65	-3,177.1	-277.0	800.5	692.7	107.73	7.430	
14,300.0	10,890.0	14,747.9	11,430.5	67.2	68.2	132.57	-3,244.5	-277.3	800.6	691.3	109.30	7.325	
14,400.0	10,890.0	14,849.7	11,431.3	68.5	69.6	132.62	-3,346.3	-276.2	800.9	689.4	111.46	7.185	
14,500.0	10,890.0	14,957.9	11,431.8	69.9	71.1	132.70	-3,454.4	-274.3	800.5	686.7	113.72	7.039	
14,600.0	10,890.0	15,058.3	11,431.6	71.3	72.4	132.75	-3,554.9	-272.4	799.4	683.5	115.91	6.897	
14,700.0	10,890.0	15,159.1	11,430.8	72.7	73.8	132.74	-3,655.6	-270.9	798.4	680.2	118.18	6.755	
14,800.0	10,890.0	15,254.6	11,429.8	74.1	75.2	132.70	-3,751.1	-270.0	797.6	677.2	120.42	6.624	
14,900.0	10,890.0	15,367.1	11,428.1	75.5	76.8	132.64	-3,863.5	-268.3	796.0	673.0	122.98	6.472	
15,000.0	10,890.0	15,454.7	11,427.4	76.9	78.0	132.67	-3,951.1	-266.5	794.4	669.4	125.04	6.354	
15,015.3	10,890.0	15,465.6	11,427.4	77.1	78.2	132.67	-3,962.1	-266.3	794.4	669.1	125.31	6.340	
15,100.0	10,890.0	15,526.0	11,427.2	78.3	79.0	132.59	-4,022.4	-267.3	795.7	668.8	126.88	6.271	
15,200.0	10,890.0	15,622.3	11,426.2	79.8	80.4	132.27	-4,118.6	-272.1	799.2	669.7	129.54	6.170	
15,300.0	10,890.0	15,723.3	11,424.7	81.2	81.8	131.89	-4,219.5	-277.4	802.7	670.3	132.39	6.063	
15,400.0	10,890.0	15,820.5	11,423.0	82.7	83.2	131.52	-4,316.5	-282.8	806.3	671.1	135.19	5.964	
15,500.0	10,890.0	15,958.0	11,421.0	84.1	85.2	131.24	-4,454.0	-285.2	807.0	668.4	138.69	5.819	
15,600.0	10,890.0	16,055.9	11,418.8	85.6	86.6	131.10	-4,551.8	-285.0	806.0	664.7	141.25	5.706	
15,643.5	10,890.0	16,094.5	11,418.4	86.3	87.2	131.07	-4,590.4	-285.0	805.8	663.6	142.26	5.665	
15,700.0	10,890.0	16,147.1	11,418.1	87.1	87.9	131.03	-4,643.0	-285.0	806.0	662.4	143.60	5.613	
15,800.0	10,890.0	16,242.6	11,417.7	88.6	89.3	130.94	-4,738.5	-285.6	806.8	660.8	146.06	5.524	
15,900.0	10,890.0	16,335.6	11,417.1	90.1	90.7	130.81	-4,831.5	-287.1	808.1	659.6	148.54	5.441	
16,000.0	10,890.0	16,451.0	11,417.2	91.6	92.4	130.70	-4,946.9	-288.8	810.0	658.5	151.46	5.348	
16,100.0	10,890.0	16,562.7	11,417.2	93.1	94.1	130.77	-5,058.5	-286.3	808.9	654.9	154.02	5.252	
16,200.0	10,890.0	16,659.6	11,418.1	94.6	95.5	130.94	-5,155.4	-283.1	807.6	651.4	156.18	5.171	
16,300.0	10,890.0	16,765.5	11,419.3	96.1	97.1	131.14	-5,261.2	-279.3	806.2	647.8	158.44	5.088	
16,400.0	10,890.0	16,861.5	11,421.4	97.6	98.6	131.42	-5,357.0	-274.9	804.7	644.3	160.41	5.017	
16,500.0	10,890.0	16,959.3	11,421.6	99.1	100.1	131.52	-5,454.8	-272.4	803.5	640.8	162.70	4.939	
16,558.0	10,890.0	17,009.3	11,421.3	100.0	100.8	131.51	-5,504.9	-271.8	803.2	639.2	164.00	4.898	
16,600.0	10,890.0	17,046.6	11,421.8	100.6	101.4	131.55	-5,542.1	-271.3	803.4	638.5	164.88	4.872	
16,700.0	10,890.0	17,167.4	11,421.9	102.2	103.2	131.62	-5,662.9	-269.0	802.6	635.0	167.63	4.788	
16,800.0	10,890.0	17,270.4	11,417.2	103.7	104.8	131.34	-5,765.7	-268.8	800.0	629.3	170.63	4.688	
16,900.0	10,890.0	17,360.6	11,415.3	105.2	106.2	131.25	-5,855.9	-267.8	798.3	625.2	173.13	4.611	
17,000.0	10,890.0	17,456.2	11,414.9	106.8	107.6	131.26	-5,951.5	-266.4	797.5	621.9	175.55	4.543	
17,100.0	10,890.0	17,560.9	11,413.4	108.3	109.2	131.16	-6,056.2	-266.1	796.9	618.6	178.32	4.469	
17,200.0	10,890.0	17,661.2	11,408.6	109.9	110.8	130.80	-6,156.4	-267.3	795.3	613.8	181.47	4.382	
17,298.4	10,890.0	17,750.1	11,406.1	111.4	112.1	130.59	-6,245.2	-268.2	794.7	610.5	184.16	4.315	
17,300.0	10,890.0	17,751.5	11,406.0	111.4	112.2	130.59	-6,246.7	-268.2	794.7	610.5	184.21	4.314	
17,400.0	10,890.0	17,858.2	11,405.1	112.9	113.8	130.49	-6,353.4	-268.3	794.8	607.7	187.05	4.249	
17,500.0	10,890.0	17,960.5	11,401.7	114.5	115.4	130.26	-6,455.6	-268.6	793.5	603.4	190.07	4.175	
17,600.0	10,890.0	18,051.8	11,400.0	116.1	116.8	130.13	-6,546.8	-268.6	792.9	600.1	192.71	4.114	
17,600.1	10,890.0	18,051.8	11,400.0	116.1	116.8	130.13	-6,546.9	-268.6	792.9	600.1	192.71	4.114	
17,700.0	10,890.0	18,156.0	11,397.8	117.6	118.4	129.92	-6,651.0	-269.7	792.9	597.1	195.74	4.051	
17,800.0	10,890.0	18,260.7	11,392.6	119.2	120.0	129.49	-6,755.6	-272.0	792.0	592.8	199.22	3.975	
17,900.0	10,890.0	18,363.6	11,387.6	120.7	121.6	129.10	-6,858.3	-273.6	790.7	588.1	202.59	3.903	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #201H - Wellbore #1 - Actual Surveys

Offset Site Error: 0.0 usft

Survey Program: 196-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
18,000.0	10,890.0	18,461.4	11,385.8	122.3	123.1	129.00	-6,956.1	-272.7	789.4	584.1	205.35	3.844	
18,100.0	10,890.0	18,577.2	11,385.1	123.9	125.0	129.09	-7,071.8	-269.2	787.3	579.3	208.04	3.785	
18,200.0	10,890.0	18,685.9	11,382.8	125.5	126.7	129.13	-7,180.4	-264.4	783.1	572.4	210.67	3.717	
18,300.0	10,890.0	18,774.1	11,383.5	127.0	128.1	129.40	-7,268.4	-259.0	779.5	566.9	212.62	3.666	
18,400.0	10,890.0	18,869.6	11,384.9	128.6	129.6	129.64	-7,363.8	-254.7	777.5	562.8	214.69	3.622	
18,500.0	10,890.0	18,985.7	11,383.5	130.2	131.4	129.75	-7,479.8	-249.8	774.1	556.8	217.28	3.563	
18,600.0	10,890.0	19,075.4	11,382.0	131.8	132.8	129.84	-7,569.4	-245.5	770.0	550.4	219.59	3.507	
18,700.0	10,890.0	19,170.8	11,380.2	133.3	134.3	129.78	-7,664.8	-243.7	767.9	545.6	222.25	3.455	
18,800.0	10,890.0	19,276.6	11,377.4	134.9	136.0	129.70	-7,770.5	-241.2	765.0	539.9	225.12	3.398	
18,900.0	10,890.0	19,379.6	11,375.9	136.5	137.6	129.76	-7,873.4	-237.4	761.7	534.0	227.65	3.346	
19,000.0	10,890.0	19,496.6	11,375.3	138.1	139.5	130.03	-7,990.1	-230.1	757.2	527.4	229.84	3.295	
19,100.0	10,890.0	19,560.2	11,375.3	139.7	140.5	130.17	-8,053.7	-226.9	753.9	522.2	231.71	3.254	
19,120.4	10,890.0	19,573.5	11,375.3	140.0	140.7	130.17	-8,067.0	-226.7	753.8	521.8	232.09	3.248	
19,200.0	10,890.0	19,645.9	11,375.3	141.3	141.8	130.13	-8,139.4	-227.0	754.5	520.4	234.11	3.223	
19,300.0	10,890.0	19,747.1	11,374.5	142.9	143.4	130.00	-8,240.5	-228.1	755.4	518.3	237.06	3.187	
19,400.0	10,890.0	19,853.5	11,373.3	144.4	145.1	129.85	-8,346.9	-228.9	755.9	515.7	240.17	3.147	
19,500.0	10,890.0	19,966.0	11,371.6	146.0	146.9	129.74	-8,459.4	-228.2	755.0	511.8	243.28	3.104	
19,564.0	10,890.0	20,017.1	11,370.7	147.1	147.7	129.67	-8,510.5	-228.1	754.5	509.6	244.88	3.081	
19,600.0	10,890.0	20,046.1	11,370.2	147.6	148.2	129.62	-8,539.5	-228.4	754.7	508.9	245.79	3.070	
19,700.0	10,890.0	20,142.1	11,368.6	149.2	149.7	129.38	-8,635.5	-230.7	756.1	507.2	248.90	3.038	
19,800.0	10,890.0	20,234.3	11,367.0	150.8	151.1	129.11	-8,727.7	-233.6	758.0	506.0	251.96	3.008	
19,900.0	10,890.0	20,336.2	11,366.7	152.4	152.8	128.92	-8,829.4	-236.4	760.5	505.4	255.12	2.981	
20,000.0	10,890.0	20,453.0	11,364.9	154.0	154.6	128.66	-8,946.2	-238.7	761.7	502.9	258.80	2.943	
20,100.0	10,890.0	20,543.5	11,364.9	155.6	156.0	128.61	-9,036.7	-239.2	762.7	501.4	261.38	2.918	
20,200.0	10,890.0	20,660.9	11,366.9	157.2	157.9	128.77	-9,154.1	-237.4	763.3	499.2	264.04	2.891	
20,300.0	10,890.0	20,777.8	11,364.8	158.8	159.8	128.76	-9,271.0	-234.2	760.5	493.5	266.99	2.848	
20,400.0	10,890.0	20,871.6	11,363.3	160.4	161.3	128.78	-9,364.6	-231.2	757.6	488.0	269.54	2.811	
20,500.0	10,890.0	20,968.2	11,362.3	162.0	162.8	128.80	-9,461.3	-228.8	755.6	483.5	272.12	2.777	
20,600.0	10,890.0	21,066.6	11,362.4	163.6	164.4	128.92	-9,559.5	-225.6	753.7	479.2	274.46	2.746	
20,700.0	10,890.0	21,168.0	11,365.0	165.2	166.1	129.28	-9,660.8	-220.5	752.0	475.8	276.24	2.722	
20,800.0	10,890.0	21,271.6	11,366.0	166.9	167.7	129.52	-9,764.3	-216.0	749.8	471.5	278.34	2.694	
20,900.0	10,890.0	21,381.2	11,367.4	168.5	169.5	129.86	-9,873.8	-209.8	746.9	466.7	280.21	2.666	
21,000.0	10,890.0	21,478.9	11,370.1	170.1	171.1	130.35	-9,971.1	-202.4	743.4	461.9	281.51	2.641	
21,049.7	10,890.0	21,504.0	11,371.1	170.9	171.5	130.51	-9,996.1	-200.3	742.2	460.2	282.02	2.632 SF	
21,100.0	10,890.0	21,504.0	11,371.1	171.7	171.5	130.51	-9,996.1	-200.3	743.9	462.2	281.67	2.641	
21,187.1	10,890.0	21,504.0	11,371.1	173.1	171.5	130.51	-9,996.1	-200.3	754.8	476.4	278.39	2.711	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #215H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 168-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	-81.42	28.7	-190.2	192.4				
100.0	100.0	101.1	101.1	0.1	0.2	-81.41	28.7	-190.2	192.4	192.1	0.28	690.524	
200.0	200.0	201.2	201.2	0.5	0.4	-81.37	28.9	-190.1	192.3	191.5	0.85	225.421	
300.0	300.0	301.2	301.2	0.8	0.7	-81.36	28.9	-190.0	192.2	190.6	1.56	122.972	
400.0	400.0	401.1	401.1	1.2	1.1	-81.38	28.8	-189.9	192.1	189.8	2.27	84.608	
437.3	437.3	438.3	438.3	1.3	1.2	-81.38	28.8	-189.9	192.1	189.6	2.53	75.828	
500.0	500.0	500.8	500.8	1.6	1.4	-81.36	28.9	-189.9	192.1	189.1	2.98	64.565	
600.0	600.0	599.9	599.9	1.9	1.8	-81.30	29.1	-190.2	192.4	188.8	3.68	52.299	
700.0	700.0	699.0	699.0	2.3	2.1	-81.21	29.5	-191.0	193.2	188.8	4.38	44.077	
800.0	800.0	798.5	798.5	2.6	2.5	-81.10	30.1	-192.0	194.4	189.3	5.09	38.174	
900.0	900.0	898.0	898.0	3.0	2.8	-80.97	30.7	-193.4	195.8	190.0	5.80	33.757	
1,000.0	1,000.0	997.7	997.7	3.4	3.2	-80.90	31.2	-194.9	197.4	190.9	6.51	30.318	
1,100.0	1,100.0	1,097.5	1,097.5	3.7	3.5	-80.88	31.6	-196.6	199.2	191.9	7.22	27.570	
1,200.0	1,200.0	1,197.4	1,197.3	4.1	3.9	-80.81	32.1	-198.4	201.0	193.0	7.94	25.322	
1,300.0	1,300.0	1,297.1	1,297.0	4.4	4.2	-80.69	32.8	-200.1	202.9	194.2	8.65	23.453	
1,400.0	1,400.0	1,396.7	1,396.5	4.8	4.6	-80.47	33.9	-202.1	204.9	195.6	9.36	21.887	
1,500.0	1,500.0	1,497.8	1,497.7	5.1	4.9	-80.22	35.1	-203.9	206.9	196.8	10.08	20.521	
1,600.0	1,600.0	1,599.3	1,599.2	5.5	5.3	-80.05	36.0	-205.0	208.1	197.3	10.80	19.266	
1,700.0	1,700.0	1,700.7	1,700.6	5.9	5.7	-79.94	36.5	-205.5	208.7	197.2	11.52	18.109	
1,800.0	1,800.0	1,799.5	1,799.3	6.2	6.0	-79.86	36.8	-205.9	209.2	196.9	12.23	17.097	
1,900.0	1,900.0	1,898.3	1,898.1	6.6	6.4	-79.79	37.3	-206.9	210.3	197.3	12.94	16.245	
2,000.0	2,000.0	1,998.2	1,998.1	6.9	6.7	-79.74	37.7	-208.3	211.7	198.0	13.66	15.496	
2,100.0	2,100.0	2,098.2	2,098.0	7.3	7.1	-79.72	38.0	-209.6	213.1	198.7	14.37	14.822	
2,200.0	2,200.0	2,197.9	2,197.7	7.7	7.4	-79.78	38.1	-211.1	214.5	199.4	15.09	14.220	
2,300.0	2,300.0	2,297.0	2,296.8	8.0	7.8	-79.94	37.7	-212.8	216.1	200.3	15.80	13.683	
2,400.0	2,400.0	2,394.7	2,394.5	8.4	8.1	-80.08	37.6	-215.2	218.6	202.1	16.50	13.250	
2,500.0	2,500.0	2,494.7	2,494.4	8.7	8.5	-80.18	37.8	-218.6	221.9	204.7	17.21	12.893	
2,600.0	2,600.0	2,598.7	2,598.4	9.1	8.9	-80.24	38.0	-220.7	224.0	206.0	17.95	12.481	
2,700.0	2,700.0	2,701.4	2,701.1	9.4	9.2	-80.28	37.9	-221.2	224.4	205.7	18.66	12.023	
2,800.0	2,800.0	2,803.0	2,802.7	9.8	9.6	-80.40	37.4	-220.8	224.0	204.6	19.37	11.565	
2,900.0	2,900.0	2,903.2	2,902.9	10.2	9.9	-80.58	36.5	-220.1	223.1	203.0	20.07	11.119	
3,000.0	3,000.0	3,002.8	3,002.5	10.5	10.2	-80.75	35.7	-219.5	222.4	201.6	20.76	10.712	
3,065.8	3,065.8	3,068.3	3,068.0	10.8	10.5	-117.61	35.2	-219.1	222.1	200.9	21.21	10.471	
3,100.0	3,100.0	3,102.3	3,102.0	10.9	10.6	-117.80	34.9	-219.0	222.2	200.7	21.45	10.358	
3,200.0	3,200.0	3,201.7	3,201.3	11.2	10.9	-118.73	33.5	-218.9	223.1	201.0	22.14	10.075	
3,300.0	3,299.9	3,301.6	3,301.3	11.6	11.3	-120.15	31.7	-219.0	225.1	202.3	22.84	9.854	
3,400.0	3,399.7	3,401.5	3,401.1	11.9	11.6	-121.94	29.7	-219.0	228.1	204.5	23.54	9.688	
3,500.0	3,499.4	3,506.8	3,506.4	12.3	12.0	-124.17	27.5	-217.7	231.0	206.7	24.25	9.525	
3,600.0	3,598.9	3,612.2	3,611.7	12.7	12.3	-126.70	25.3	-213.6	232.7	207.7	24.94	9.330	
3,700.0	3,698.3	3,714.6	3,713.9	13.0	12.7	-129.35	23.8	-207.9	234.1	208.5	25.63	9.135	
3,800.0	3,797.4	3,815.6	3,814.6	13.4	13.0	-132.06	23.1	-200.9	235.8	209.5	26.32	8.959	
3,900.0	3,896.4	3,912.9	3,911.8	13.8	13.4	-134.24	24.7	-194.8	238.9	211.9	27.02	8.841	
4,000.0	3,995.5	4,012.0	4,010.6	14.1	13.7	-135.70	29.1	-189.7	243.0	215.3	27.73	8.765	
4,100.0	4,094.5	4,113.4	4,111.5	14.5	14.0	-136.33	37.1	-184.7	246.9	218.5	28.43	8.685	
4,200.0	4,193.5	4,214.0	4,211.4	14.9	14.4	-136.21	48.3	-179.8	250.3	221.2	29.14	8.589	
4,300.0	4,292.5	4,313.7	4,310.3	15.2	14.7	-135.97	60.0	-175.0	253.7	223.8	29.86	8.496	
4,400.0	4,391.6	4,415.6	4,411.4	15.6	15.1	-135.78	71.6	-169.9	256.9	226.3	30.57	8.402	
4,500.0	4,490.6	4,518.8	4,513.9	16.0	15.5	-136.01	81.8	-163.2	258.9	227.6	31.28	8.277	
4,600.0	4,589.6	4,619.4	4,613.9	16.4	15.8	-136.55	90.5	-155.6	260.1	228.1	31.99	8.129	
4,700.0	4,688.6	4,719.4	4,713.2	16.8	16.2	-137.16	98.7	-148.0	261.3	228.5	32.71	7.986	
4,800.0	4,787.7	4,820.3	4,813.5	17.2	16.6	-137.83	106.8	-140.0	262.3	228.9	33.43	7.847	
4,900.0	4,886.7	4,921.3	4,913.8	17.5	16.9	-138.55	114.7	-131.7	263.0	228.9	34.15	7.703	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #215H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 168-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	4,985.7	5,018.4	5,010.3	17.9	17.3	-139.36	121.7	-123.8	264.1	229.2	34.88	7.572	
5,100.0	5,084.8	5,115.6	5,107.1	18.3	17.6	-140.30	127.9	-116.8	266.3	230.7	35.61	7.478	
5,200.0	5,183.8	5,213.9	5,205.0	18.7	18.0	-141.28	133.7	-110.4	269.3	233.0	36.34	7.412	
5,300.0	5,282.8	5,312.1	5,302.9	19.1	18.3	-142.22	139.5	-104.6	273.1	236.0	37.06	7.368	
5,400.0	5,381.8	5,409.9	5,400.4	19.5	18.7	-143.19	144.7	-99.4	277.5	239.7	37.78	7.345	
5,500.0	5,480.9	5,508.1	5,498.4	19.9	19.0	-144.24	149.3	-94.6	282.7	244.2	38.50	7.344	
5,600.0	5,579.9	5,608.0	5,598.0	20.3	19.4	-145.27	153.9	-89.9	288.3	249.0	39.22	7.350	
5,700.0	5,678.9	5,706.9	5,696.7	20.7	19.8	-146.20	158.7	-85.3	293.9	253.9	39.93	7.359	
5,800.0	5,777.9	5,803.6	5,793.3	21.1	20.1	-147.26	162.2	-81.2	300.3	259.7	40.65	7.388	
5,900.0	5,877.0	5,901.1	5,890.7	21.5	20.5	-148.52	164.3	-77.5	307.8	266.4	41.35	7.443	
6,000.0	5,976.0	6,000.3	5,989.8	21.9	20.8	-149.78	166.1	-73.8	315.7	273.6	42.06	7.505	
6,100.0	6,075.0	6,101.9	6,091.3	22.3	21.2	-150.99	168.0	-70.0	323.6	280.8	42.78	7.565	
6,200.0	6,174.0	6,206.3	6,195.5	22.7	21.5	-151.99	171.6	-65.4	330.4	286.9	43.50	7.596	
6,300.0	6,273.1	6,306.0	6,295.0	23.1	21.9	-152.76	176.1	-60.5	336.4	292.2	44.22	7.607	
6,400.0	6,372.1	6,403.3	6,392.1	23.5	22.3	-153.52	180.2	-56.1	342.9	298.0	44.93	7.633	
6,500.0	6,471.1	6,509.3	6,497.9	23.9	22.6	-154.28	184.9	-51.2	349.3	303.7	45.66	7.651	
6,557.1	6,527.6	6,571.6	6,559.9	24.1	22.9	-154.62	188.7	-47.5	351.9	305.8	46.06	7.639	
6,600.0	6,570.2	6,618.5	6,606.7	24.3	23.0	-154.81	192.1	-44.3	353.0	306.6	46.36	7.614	
6,700.0	6,669.5	6,717.8	6,705.4	24.7	23.4	-155.07	199.7	-37.1	353.5	306.4	47.09	7.507	
6,800.0	6,769.1	6,817.0	6,804.1	25.1	23.8	-155.18	206.9	-30.0	351.8	304.0	47.81	7.357	
6,900.0	6,868.9	6,914.7	6,901.3	25.4	24.2	-155.11	213.8	-23.4	348.2	299.6	48.54	7.173	
7,000.0	6,968.8	7,012.6	6,998.8	25.8	24.5	-154.84	220.4	-17.3	342.8	293.5	49.26	6.958	
7,090.4	7,059.2	7,101.6	7,087.4	26.1	24.8	-117.78	226.2	-12.0	336.3	286.4	49.91	6.737	
7,100.0	7,068.8	7,111.0	7,096.9	26.1	24.9	-117.74	226.8	-11.5	335.5	285.5	49.98	6.713	
7,200.0	7,168.8	7,209.6	7,195.1	26.5	25.2	-117.29	232.7	-5.8	327.6	276.9	50.69	6.463	
7,300.0	7,268.8	7,308.8	7,294.0	26.8	25.6	-116.87	238.2	-0.1	320.0	268.6	51.41	6.225	
7,400.0	7,368.8	7,407.8	7,392.7	27.2	26.0	-116.52	243.2	5.6	312.6	260.5	52.12	5.997	
7,500.0	7,468.8	7,506.5	7,491.1	27.5	26.3	-116.19	248.0	11.1	305.4	252.6	52.83	5.781	
7,600.0	7,568.8	7,607.6	7,592.0	27.8	26.7	-115.86	252.6	16.7	298.5	244.9	53.54	5.574	
7,700.0	7,668.8	7,711.4	7,695.4	28.2	27.1	-115.39	258.4	23.2	290.4	236.1	54.25	5.353	
7,800.0	7,768.8	7,814.8	7,798.3	28.5	27.5	-114.77	265.3	30.8	280.9	225.9	54.94	5.112	
7,900.0	7,868.8	7,918.0	7,900.8	28.9	27.9	-114.08	272.9	39.5	270.1	214.5	55.63	4.855	
8,000.0	7,968.8	8,014.2	7,996.4	29.2	28.2	-113.41	280.1	48.1	259.0	202.6	56.38	4.594	
8,100.0	8,068.8	8,109.1	8,090.9	29.6	28.6	-112.82	285.9	55.2	249.7	192.5	57.13	4.370	
8,200.0	8,168.8	8,204.5	8,185.9	29.9	29.0	-112.30	290.8	61.0	242.1	184.3	57.86	4.185	
8,300.0	8,268.8	8,300.2	8,281.4	30.3	29.3	-111.77	294.8	65.3	236.4	177.8	58.57	4.036	
8,400.0	8,368.8	8,400.5	8,381.5	30.6	29.7	-111.19	298.8	68.9	231.6	172.3	59.29	3.906	
8,500.0	8,468.8	8,501.7	8,482.6	30.9	30.0	-110.48	303.4	72.9	226.2	166.2	60.02	3.770	
8,600.0	8,568.8	8,601.3	8,582.0	31.3	30.4	-109.85	307.6	77.3	220.6	159.9	60.73	3.633	
8,700.0	8,668.8	8,701.0	8,681.6	31.6	30.8	-109.57	310.5	82.0	215.2	153.7	61.45	3.502	
8,800.0	8,768.8	8,804.5	8,784.8	32.0	31.1	-109.16	314.1	87.7	208.9	146.7	62.16	3.360	
8,900.0	8,868.8	8,907.6	8,887.6	32.3	31.5	-108.15	320.1	94.4	200.9	138.0	62.86	3.195	
9,000.0	8,968.8	9,005.9	8,985.5	32.7	31.9	-107.30	325.3	101.2	192.6	129.0	63.60	3.029	
9,100.0	9,068.8	9,104.7	9,084.0	33.0	32.3	-106.81	329.2	108.2	184.7	120.4	64.32	2.872	
9,200.0	9,168.8	9,202.9	9,181.8	33.4	32.6	-106.45	332.3	114.7	177.5	112.5	65.05	2.729	
9,300.0	9,268.8	9,301.7	9,280.5	33.7	33.0	-106.11	335.0	120.4	171.1	105.4	65.77	2.602	
9,400.0	9,368.8	9,401.5	9,380.1	34.1	33.4	-105.83	337.5	126.2	164.9	98.4	66.48	2.481	
9,500.0	9,468.8	9,500.6	9,479.0	34.4	33.7	-105.61	339.8	131.8	158.8	91.6	67.19	2.363	
9,600.0	9,568.8	9,598.8	9,577.0	34.8	34.1	-105.44	341.6	136.6	153.6	85.7	67.91	2.262	
9,700.0	9,668.8	9,699.5	9,677.7	35.1	34.4	-105.19	343.4	140.9	149.0	80.4	68.62	2.171	
9,800.0	9,768.8	9,802.1	9,780.0	35.5	34.8	-104.20	347.5	146.4	142.8	73.5	69.33	2.060	
9,900.0	9,868.8	9,900.9	9,878.5	35.8	35.2	-102.59	352.9	152.4	135.7	65.6	70.08	1.936	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #215H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 168-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
10,000.0	9,968.8	9,998.4	9,975.7	36.2	35.5	-101.05	357.5	156.8	130.2	59.4	70.84	1.839	
10,100.0	10,068.8	10,100.7	10,077.8	36.5	35.9	-99.42	362.0	161.2	125.2	53.6	71.57	1.750	
10,200.0	10,168.8	10,203.9	10,180.7	36.9	36.3	-97.18	367.8	168.5	117.4	45.1	72.26	1.625	
10,300.0	10,268.8	10,302.6	10,278.9	37.2	36.7	-94.84	373.3	176.8	108.5	35.5	73.05	1.485	Level 3
10,348.2	10,317.0	10,350.1	10,326.2	37.4	36.9	-93.95	375.2	180.5	104.6	31.2	73.42	1.425	Level 3
10,350.0	10,318.8	10,351.9	10,328.0	37.4	36.9	86.54	375.3	180.6	104.5	31.0	73.44	1.423	Level 3
10,400.0	10,368.8	10,401.2	10,377.1	37.6	37.0	88.97	376.8	184.2	100.6	26.8	73.83	1.363	Level 3
10,450.0	10,418.3	10,449.4	10,425.1	37.7	37.2	93.70	378.0	187.4	97.4	23.2	74.26	1.312	Level 3
10,499.2	10,466.3	10,496.2	10,471.9	37.8	37.4	100.51	378.8	190.0	96.1	21.4	74.72	1.286	Level 3, CC
10,500.0	10,467.1	10,496.9	10,472.6	37.8	37.4	100.63	378.8	190.1	96.1	21.4	74.73	1.286	Level 3, ES, SF
10,550.0	10,514.7	10,543.5	10,519.1	38.0	37.6	109.14	379.4	192.2	98.1	22.9	75.21	1.304	Level 3
10,600.0	10,560.8	10,588.8	10,564.4	38.1	37.7	118.17	379.7	193.8	104.8	29.2	75.64	1.386	Level 3
10,650.0	10,605.1	10,632.5	10,608.1	38.2	37.9	126.68	379.9	195.1	117.3	41.3	75.99	1.544	
10,700.0	10,647.1	10,674.0	10,649.6	38.2	38.0	133.91	380.1	196.1	135.8	59.6	76.25	1.781	
10,750.0	10,686.7	10,713.0	10,688.6	38.3	38.2	139.58	380.4	196.9	160.0	83.5	76.45	2.092	
10,800.0	10,723.4	10,749.2	10,724.8	38.4	38.3	143.76	380.6	197.6	189.1	112.5	76.61	2.469	
10,850.0	10,757.1	10,782.3	10,757.8	38.4	38.4	146.60	380.8	198.0	222.6	145.9	76.74	2.901	
10,900.0	10,787.4	10,811.8	10,787.3	38.5	38.5	148.22	381.0	198.4	259.8	182.9	76.85	3.381	
10,950.0	10,814.1	10,837.5	10,813.1	38.5	38.6	148.70	381.3	198.6	300.1	223.2	76.94	3.901	
11,000.0	10,837.1	10,859.4	10,834.9	38.5	38.7	147.91	381.5	198.9	343.1	266.1	77.02	4.455	
11,050.0	10,856.0	10,877.3	10,852.8	38.6	38.7	145.51	381.7	199.0	388.2	311.2	77.07	5.037	
11,100.0	10,870.9	10,891.1	10,866.6	38.6	38.8	140.61	381.9	199.1	435.1	358.0	77.11	5.642	
11,150.0	10,881.6	10,900.6	10,876.1	38.7	38.8	131.21	382.0	199.2	483.2	406.1	77.13	6.265	
11,200.0	10,887.9	10,905.9	10,881.5	38.8	38.8	113.26	382.1	199.2	532.1	455.0	77.14	6.899	
11,248.2	10,890.0	10,907.2	10,882.7	38.9	38.8	84.48	382.1	199.2	579.7	502.6	77.13	7.516	
11,300.0	10,890.0	10,906.4	10,882.0	39.0	38.8	83.98	382.1	199.2	631.0	553.9	77.11	8.183	
11,400.0	10,890.0	10,905.0	10,880.5	39.3	38.8	83.04	382.1	199.2	730.2	653.1	77.09	9.472	
11,500.0	10,890.0	10,903.6	10,879.1	39.6	38.8	82.12	382.1	199.2	829.6	752.5	77.07	10.764	
11,600.0	10,890.0	12,380.3	11,806.2	40.0	42.8	179.61	-476.5	284.9	917.6	881.8	35.77	25.655	
11,700.0	10,890.0	12,519.3	11,812.9	40.5	43.4	179.79	-615.3	288.8	922.3	886.0	36.33	25.390	
11,800.0	10,890.0	12,609.9	11,816.0	41.0	43.9	179.90	-705.8	291.2	925.8	888.8	36.95	25.057	
11,900.0	10,890.0	12,732.7	11,820.6	41.6	44.6	179.98	-828.4	293.4	929.8	892.0	37.76	24.623	
12,000.0	10,890.0	12,876.0	11,818.7	42.2	45.5	179.95	-971.7	294.0	928.2	889.2	38.99	23.808	
12,100.0	10,890.0	12,978.3	11,815.1	42.9	46.2	179.81	-1,074.0	292.6	924.7	884.9	39.87	23.194	
12,200.0	10,890.0	13,060.4	11,813.1	43.6	46.8	179.71	-1,156.0	291.6	922.3	881.8	40.51	22.764	
12,286.4	10,890.0	13,133.2	11,812.6	44.3	47.4	179.63	-1,228.8	290.9	921.6	880.5	41.16	22.394	
12,300.0	10,890.0	13,144.6	11,812.6	44.4	47.5	179.62	-1,240.2	290.8	921.7	880.4	41.26	22.339	
12,400.0	10,890.0	13,226.8	11,813.6	45.3	48.2	179.64	-1,322.4	291.8	922.8	880.8	42.03	21.957	
12,500.0	10,890.0	13,350.1	11,815.2	46.2	49.2	179.98	-1,445.5	298.1	924.2	881.0	43.21	21.391	
12,505.1	10,890.0	13,357.0	11,815.2	46.2	49.3	180.00	-1,452.4	298.5	924.2	881.0	43.28	21.356	
12,600.0	10,890.0	13,432.0	11,815.5	47.1	50.0	-179.75	-1,527.2	303.2	924.6	880.7	43.99	21.019	
12,700.0	10,890.0	13,509.6	11,817.2	48.0	50.7	-179.43	-1,604.6	309.0	927.1	882.3	44.80	20.693	
12,800.0	10,890.0	13,651.2	11,820.1	49.0	52.1	-178.96	-1,745.9	317.7	929.3	883.0	46.27	20.085	
12,900.0	10,890.0	13,767.5	11,818.5	50.1	53.3	-178.69	-1,862.0	323.0	928.0	880.4	47.58	19.506	
13,000.0	10,890.0	13,873.3	11,815.7	51.1	54.4	-178.62	-1,967.8	324.8	925.4	876.6	48.79	18.966	
13,100.0	10,890.0	13,972.4	11,813.0	52.2	55.4	-178.59	-2,066.8	326.0	922.6	872.7	49.93	18.478	
13,200.0	10,890.0	14,082.5	11,809.6	53.3	56.7	-178.68	-2,176.9	325.3	919.6	868.3	51.28	17.934	
13,300.0	10,890.0	14,198.5	11,804.3	54.5	57.9	-178.99	-2,292.6	321.2	914.9	862.2	52.77	17.339	
13,400.0	10,890.0	14,252.2	11,803.1	55.7	58.6	-179.14	-2,346.3	319.2	912.3	859.0	53.26	17.130	
13,410.2	10,890.0	14,258.2	11,803.1	55.8	58.6	-179.15	-2,352.4	319.0	912.2	858.9	53.32	17.108	
13,500.0	10,890.0	14,336.2	11,804.2	56.9	59.5	-179.29	-2,430.3	317.3	913.3	859.1	54.28	16.826	
13,600.0	10,890.0	14,431.9	11,805.4	58.1	60.6	-179.40	-2,526.0	316.4	914.7	859.2	55.49	16.484	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #215H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 168-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
13,700.0	10,890.0	14,577.8	11,805.3	59.3	62.4	-179.44	-2,671.8	316.9	914.9	857.4	57.44	15.928	
13,800.0	10,890.0	14,682.6	11,801.6	60.6	63.7	-179.32	-2,776.5	319.5	911.3	852.5	58.79	15.501	
13,900.0	10,890.0	14,776.7	11,798.1	61.9	64.9	-179.21	-2,870.5	321.9	907.7	847.7	59.98	15.134	
14,000.0	10,890.0	14,866.0	11,796.1	63.2	66.0	-179.11	-2,959.8	324.2	905.4	844.3	61.10	14.818	
14,100.0	10,890.0	14,984.6	11,792.4	64.5	67.6	-179.17	-3,078.3	324.0	902.2	839.5	62.73	14.382	
14,200.0	10,890.0	15,106.3	11,786.5	65.8	69.1	-179.43	-3,199.8	320.8	897.4	832.9	64.46	13.921	
14,300.0	10,890.0	15,184.9	11,781.8	67.2	70.2	-179.67	-3,278.2	317.7	891.5	826.1	65.45	13.621	
14,400.0	10,890.0	15,289.9	11,778.8	68.5	71.5	-179.97	-3,383.1	313.8	888.7	821.8	66.93	13.279	
14,500.0	10,890.0	15,370.2	11,774.9	69.9	72.6	179.63	-3,463.1	308.3	884.2	816.2	68.01	13.002	
14,548.8	10,890.0	15,398.4	11,774.6	70.6	73.0	179.55	-3,491.3	307.2	883.6	815.3	68.35	12.929	
14,600.0	10,890.0	15,456.7	11,774.9	71.3	73.7	179.46	-3,549.6	306.3	884.0	814.8	69.18	12.778	
14,700.0	10,890.0	15,569.5	11,771.5	72.7	75.3	179.28	-3,662.3	304.5	880.9	810.0	70.80	12.441	
14,800.0	10,890.0	15,655.2	11,770.6	74.1	76.5	179.42	-3,747.9	307.3	879.7	807.8	71.92	12.231	
14,876.4	10,890.0	15,726.0	11,770.3	75.1	77.4	179.57	-3,818.7	310.0	879.4	806.5	72.87	12.068	
14,900.0	10,890.0	15,746.9	11,770.4	75.5	77.7	179.60	-3,839.5	310.8	879.4	806.3	73.15	12.022	
15,000.0	10,890.0	15,837.1	11,771.2	76.9	79.0	179.73	-3,929.7	313.5	880.3	806.0	74.37	11.838	
15,100.0	10,890.0	15,939.4	11,772.9	78.3	80.4	179.95	-4,031.9	317.6	882.0	806.2	75.79	11.638	
15,200.0	10,890.0	16,051.7	11,773.3	79.8	82.0	-179.73	-4,144.1	323.4	882.4	805.0	77.36	11.405	
15,300.0	10,890.0	16,184.6	11,771.2	81.2	84.0	-179.35	-4,276.8	330.2	881.0	801.7	79.30	11.110	
15,400.0	10,890.0	16,300.7	11,765.5	82.7	85.6	-179.29	-4,392.7	331.9	876.0	795.0	80.98	10.817	
15,500.0	10,890.0	16,383.0	11,760.1	84.1	86.8	-179.30	-4,474.8	332.4	869.8	787.7	82.11	10.593	
15,586.6	10,890.0	16,437.5	11,758.2	85.4	87.6	-179.32	-4,529.3	332.5	867.3	784.5	82.81	10.472	
15,600.0	10,890.0	16,443.7	11,758.2	85.6	87.7	-179.32	-4,535.5	332.5	867.3	784.4	82.89	10.464	
15,700.0	10,890.0	16,518.5	11,761.0	87.1	88.8	-179.34	-4,610.3	332.9	870.7	786.8	83.90	10.378	
15,800.0	10,890.0	16,659.3	11,762.7	88.6	90.8	-179.49	-4,751.0	331.6	871.8	785.8	86.05	10.132	
15,889.9	10,890.0	16,740.4	11,762.2	89.9	92.0	-179.56	-4,832.1	331.1	871.2	784.0	87.21	9.990	
15,900.0	10,890.0	16,749.2	11,762.2	90.1	92.1	-179.56	-4,840.9	331.2	871.2	783.9	87.33	9.976	
16,000.0	10,890.0	16,841.8	11,762.7	91.6	93.5	-179.44	-4,933.5	333.8	871.8	783.2	88.65	9.835	
16,100.0	10,890.0	16,952.5	11,763.3	93.1	95.1	-179.20	-5,044.0	338.3	872.4	782.1	90.28	9.663	
16,200.0	10,890.0	17,057.5	11,763.0	94.6	96.7	-179.12	-5,149.0	340.4	872.2	780.4	91.82	9.499	
16,300.0	10,890.0	17,195.7	11,758.4	96.1	98.7	-179.73	-5,286.8	332.0	868.5	774.6	93.96	9.244	
16,400.0	10,890.0	17,278.3	11,754.4	97.6	99.9	179.73	-5,369.0	324.5	863.9	768.7	95.21	9.073	
16,500.0	10,890.0	17,360.0	11,753.2	99.1	101.1	179.39	-5,450.5	320.1	862.3	765.9	96.42	8.943	
16,600.0	10,890.0	17,455.7	11,752.1	100.6	102.5	178.99	-5,546.1	314.8	861.2	763.3	97.90	8.797	
16,619.3	10,890.0	17,471.2	11,752.0	100.9	102.8	178.95	-5,561.6	314.3	861.2	763.1	98.12	8.776	
16,700.0	10,890.0	17,539.4	11,752.6	102.2	103.8	178.88	-5,629.8	313.8	861.9	762.8	99.10	8.697	
16,800.0	10,890.0	17,632.2	11,754.3	103.7	105.2	178.84	-5,722.6	313.9	863.8	763.3	100.46	8.598	
16,900.0	10,890.0	17,744.7	11,756.9	105.2	106.9	178.71	-5,835.0	312.6	866.2	764.0	102.21	8.474	
17,000.0	10,890.0	17,880.2	11,754.6	106.8	108.9	178.77	-5,970.5	314.6	864.3	760.0	104.31	8.286	
17,100.0	10,890.0	17,967.5	11,752.2	108.3	110.3	178.85	-6,057.7	316.5	861.5	756.0	105.56	8.162	
17,200.0	10,890.0	18,066.9	11,750.8	109.9	111.8	179.05	-6,157.0	320.4	860.0	753.1	106.99	8.039	
17,285.2	10,890.0	18,137.4	11,750.0	111.2	112.9	179.25	-6,227.5	324.0	859.1	751.2	107.95	7.958	
17,300.0	10,890.0	18,149.0	11,750.1	111.4	113.1	179.30	-6,239.0	324.7	859.2	751.1	108.10	7.948	
17,400.0	10,890.0	18,224.2	11,751.5	112.9	114.2	179.69	-6,313.9	331.2	860.9	751.9	109.06	7.894	
17,500.0	10,890.0	18,310.2	11,755.4	114.5	115.6	-179.67	-6,399.2	341.4	865.5	755.3	110.20	7.854	
17,600.0	10,890.0	18,423.2	11,760.2	116.1	117.4	-179.03	-6,511.6	352.0	869.9	758.0	111.93	7.772	
17,700.0	10,890.0	18,586.0	11,759.4	117.6	119.9	-178.77	-6,674.2	357.2	869.2	754.7	114.51	7.590	
17,800.0	10,890.0	18,675.5	11,756.6	119.2	121.3	-178.72	-6,763.6	358.7	866.1	750.3	115.85	7.476	
17,900.0	10,890.0	18,772.6	11,754.5	120.7	122.8	-178.59	-6,860.7	361.3	864.0	746.7	117.32	7.365	
18,000.0	10,890.0	18,867.6	11,752.2	122.3	124.3	-178.43	-6,955.6	364.4	861.7	742.9	118.75	7.256	
18,059.2	10,890.0	18,913.1	11,751.9	123.2	125.0	-178.38	-7,001.1	365.5	861.2	741.8	119.42	7.212	
18,100.0	10,890.0	18,947.4	11,752.0	123.9	125.5	-178.36	-7,035.4	366.0	861.4	741.5	119.92	7.183	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #215H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 168-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
18,200.0	10,890.0	19,036.3	11,753.2	125.5	126.9	-178.51	-7,124.2	364.5	862.7	741.5	121.21	7.117	
18,300.0	10,890.0	19,116.0	11,756.0	127.0	128.1	-178.76	-7,203.8	361.4	866.0	743.7	122.31	7.081	
18,400.0	10,890.0	19,249.6	11,760.4	128.6	130.2	-178.96	-7,337.3	359.5	869.6	745.1	124.47	6.986	
18,500.0	10,890.0	19,401.9	11,755.5	130.2	132.5	-179.09	-7,489.6	358.5	865.9	739.1	126.80	6.829	
18,600.0	10,890.0	19,501.0	11,750.2	131.8	134.1	-179.08	-7,588.4	359.5	860.5	732.2	128.29	6.708	
18,700.0	10,890.0	19,584.9	11,746.5	133.3	135.4	-179.01	-7,672.3	361.0	856.1	726.6	129.58	6.607	
18,800.0	10,890.0	19,664.3	11,744.6	134.9	136.7	-178.87	-7,751.6	363.7	853.8	723.0	130.77	6.529	
18,900.0	10,890.0	19,765.9	11,743.6	136.5	138.3	-178.66	-7,853.1	367.6	852.9	720.5	132.32	6.445	
19,000.0	10,890.0	19,861.1	11,742.5	138.1	139.8	-178.63	-7,948.4	368.8	851.8	718.0	133.77	6.368	
19,100.0	10,890.0	19,983.9	11,740.1	139.7	141.7	-178.61	-8,071.1	369.9	849.8	714.2	135.65	6.265	
19,200.0	10,890.0	20,063.2	11,738.7	141.3	142.9	-178.61	-8,150.3	370.5	848.0	711.2	136.85	6.197	
19,244.4	10,890.0	20,099.2	11,738.6	142.0	143.5	-178.61	-8,186.3	370.8	847.8	710.4	137.38	6.171	
19,300.0	10,890.0	20,144.3	11,738.8	142.9	144.2	-178.62	-8,231.5	371.0	848.2	710.1	138.03	6.145	
19,400.0	10,890.0	20,248.6	11,740.1	144.4	145.9	-178.61	-8,335.7	371.9	849.3	709.7	139.64	6.082	
19,500.0	10,890.0	20,365.7	11,739.6	146.0	147.7	-178.61	-8,452.8	372.9	848.9	707.4	141.47	6.001	
19,600.0	10,890.0	20,466.7	11,738.2	147.6	149.3	-178.64	-8,553.8	373.1	847.5	704.5	143.01	5.926	
19,700.0	10,890.0	20,568.6	11,736.7	149.2	150.9	-178.59	-8,655.8	374.7	846.1	701.5	144.57	5.852	
19,800.0	10,890.0	20,668.5	11,734.9	150.8	152.5	-178.51	-8,755.6	376.6	844.3	698.2	146.11	5.778	
19,900.0	10,890.0	20,766.3	11,733.6	152.4	154.1	-178.49	-8,853.4	377.5	843.0	695.4	147.60	5.711	
20,000.0	10,890.0	20,862.4	11,732.2	154.0	155.6	-178.43	-8,949.4	379.1	841.6	692.5	149.07	5.645	
20,100.0	10,890.0	20,958.8	11,731.9	155.6	157.1	-178.47	-9,045.9	379.3	841.2	690.7	150.54	5.588	
20,200.0	10,890.0	21,061.6	11,731.1	157.2	158.7	-178.55	-9,148.7	378.8	840.4	688.3	152.11	5.525	
20,300.0	10,890.0	21,159.8	11,730.5	158.8	160.3	-178.60	-9,246.9	378.8	839.7	686.1	153.61	5.467	
20,400.0	10,890.0	21,258.9	11,729.9	160.4	161.9	-178.54	-9,345.9	380.5	839.2	684.1	155.13	5.410	
20,500.0	10,890.0	21,363.8	11,729.2	162.0	163.5	-178.54	-9,450.8	381.3	838.5	681.8	156.75	5.349	
20,600.0	10,890.0	21,463.8	11,728.2	163.6	165.1	-178.96	-9,550.6	375.9	837.4	679.2	158.25	5.292	
20,700.0	10,890.0	21,558.2	11,727.7	165.2	166.6	-179.44	-9,644.8	369.6	836.7	677.0	159.69	5.240	
20,800.0	10,890.0	21,676.7	11,725.9	166.9	168.4	179.83	-9,762.9	359.8	835.2	673.6	161.60	5.168	
20,900.0	10,890.0	21,762.6	11,724.6	168.5	169.8	179.39	-9,848.6	354.1	833.6	670.7	162.98	5.115	
21,000.0	10,890.0	21,881.7	11,721.8	170.1	171.6	178.95	-9,967.5	348.7	831.3	666.4	164.95	5.040	
21,050.6	10,890.0	21,907.0	11,721.0	170.9	172.0	178.86	-9,992.8	347.5	830.2	664.8	165.31	5.022	
21,100.0	10,890.0	21,907.0	11,721.0	171.7	172.0	178.86	-9,992.8	347.5	831.6	666.7	164.91	5.043	
21,187.1	10,890.0	21,907.0	11,721.0	173.1	172.0	178.86	-9,992.8	347.5	841.3	678.1	163.22	5.154	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #221H - 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	-90.40	-0.6	-80.0	80.0				
100.0	100.0	100.0	100.0	0.1	0.1	-90.40	-0.6	-80.0	80.0	79.7	0.26	312.147	
200.0	200.0	200.0	200.0	0.5	0.5	-90.40	-0.6	-80.0	80.0	79.0	0.97	82.205	
300.0	300.0	300.0	300.0	0.8	0.8	-90.40	-0.6	-80.0	80.0	78.3	1.69	47.335	
400.0	400.0	400.0	400.0	1.2	1.2	-90.40	-0.6	-80.0	80.0	77.6	2.41	33.237	
500.0	500.0	500.0	500.0	1.6	1.6	-90.40	-0.6	-80.0	80.0	76.9	3.12	25.609	
600.0	600.0	600.0	600.0	1.9	1.9	-90.40	-0.6	-80.0	80.0	76.2	3.84	20.829	
700.0	700.0	700.0	700.0	2.3	2.3	-90.40	-0.6	-80.0	80.0	75.4	4.56	17.553	
800.0	800.0	800.0	800.0	2.6	2.6	-90.40	-0.6	-80.0	80.0	74.7	5.27	15.167	
900.0	900.0	900.0	900.0	3.0	3.0	-90.40	-0.6	-80.0	80.0	74.0	5.99	13.352	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-90.40	-0.6	-80.0	80.0	73.3	6.71	11.925	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	-90.40	-0.6	-80.0	80.0	72.6	7.43	10.774	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	-90.40	-0.6	-80.0	80.0	71.9	8.14	9.825	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-90.40	-0.6	-80.0	80.0	71.1	8.86	9.030	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	-90.40	-0.6	-80.0	80.0	70.4	9.58	8.354	
1,416.3	1,416.3	1,416.3	1,416.3	4.8	4.8	-90.40	-0.6	-80.0	80.0	70.3	9.69	8.253	CC
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	-90.40	-0.6	-80.0	80.0	69.7	10.29	7.772	
1,600.0	1,600.0	1,598.9	1,598.9	5.5	5.5	-90.01	0.0	-80.7	80.7	69.7	11.00	7.336	ES
1,700.0	1,700.0	1,697.8	1,697.7	5.9	5.8	-88.89	1.6	-82.7	82.7	71.0	11.70	7.069	
1,800.0	1,800.0	1,796.5	1,796.4	6.2	6.2	-87.14	4.3	-86.0	86.2	73.8	12.41	6.948	SF
1,900.0	1,900.0	1,895.1	1,894.8	6.6	6.5	-84.93	8.0	-90.6	91.2	78.0	13.10	6.956	
2,000.0	2,000.0	1,993.4	1,992.8	6.9	6.9	-82.43	12.8	-96.6	97.7	83.9	13.80	7.080	
2,100.0	2,100.0	2,091.5	2,090.4	7.3	7.3	-79.80	18.7	-103.8	105.9	91.4	14.49	7.310	
2,200.0	2,200.0	2,189.2	2,187.5	7.7	7.6	-77.19	25.5	-112.3	115.8	100.7	15.17	7.636	
2,300.0	2,300.0	2,286.4	2,284.0	8.0	8.0	-74.69	33.4	-122.0	127.5	111.7	15.85	8.047	
2,400.0	2,400.0	2,385.2	2,381.8	8.4	8.3	-72.42	42.0	-132.7	140.4	123.8	16.55	8.483	
2,500.0	2,500.0	2,484.2	2,479.8	8.7	8.7	-70.53	50.7	-143.4	153.4	136.2	17.26	8.892	
2,600.0	2,600.0	2,583.3	2,577.9	9.1	9.1	-68.93	59.4	-154.1	166.6	148.7	17.97	9.275	
2,700.0	2,700.0	2,682.3	2,676.0	9.4	9.5	-67.57	68.0	-164.8	179.9	161.3	18.68	9.634	
2,800.0	2,800.0	2,781.3	2,774.0	9.8	9.9	-66.40	76.7	-175.6	193.3	174.0	19.39	9.971	
2,900.0	2,900.0	2,880.4	2,872.1	10.2	10.3	-65.38	85.4	-186.3	206.8	186.7	20.10	10.288	
3,000.0	3,000.0	2,979.4	2,970.2	10.5	10.7	-64.49	94.0	-197.0	220.3	199.5	20.82	10.584	
3,100.0	3,100.0	3,078.4	3,068.2	10.9	11.0	-100.42	102.7	-207.7	234.0	212.5	21.53	10.871	
3,200.0	3,200.0	3,177.4	3,166.3	11.2	11.4	-100.16	111.4	-218.4	248.1	225.8	22.24	11.154	
3,300.0	3,299.9	3,276.4	3,264.3	11.6	11.8	-100.30	120.0	-229.1	262.4	239.5	22.95	11.433	
3,400.0	3,399.7	3,375.2	3,362.2	11.9	12.2	-100.76	128.7	-239.8	277.1	253.5	23.67	11.708	
3,500.0	3,499.4	3,474.0	3,460.0	12.3	12.6	-101.49	137.3	-250.5	292.2	267.8	24.39	11.980	
3,600.0	3,598.9	3,572.6	3,557.6	12.7	13.0	-102.45	145.9	-261.2	307.7	282.5	25.11	12.254	
3,700.0	3,698.3	3,671.1	3,655.1	13.0	13.4	-103.61	154.5	-271.9	323.6	297.8	25.83	12.530	
3,800.0	3,797.4	3,769.3	3,752.4	13.4	13.8	-104.92	163.1	-282.5	340.2	313.7	26.56	12.811	
3,900.0	3,896.4	3,867.5	3,849.6	13.8	14.2	-106.39	171.7	-293.1	357.3	330.0	27.29	13.092	
4,000.0	3,995.5	3,965.6	3,946.8	14.1	14.6	-107.72	180.3	-303.7	374.5	346.5	28.02	13.364	
4,100.0	4,094.5	4,063.8	4,044.0	14.5	15.0	-108.94	188.9	-314.4	391.9	363.2	28.76	13.627	
4,200.0	4,193.5	4,161.9	4,141.2	14.9	15.4	-110.06	197.5	-325.0	409.5	380.0	29.50	13.881	
4,300.0	4,292.5	4,260.0	4,238.4	15.2	15.8	-111.08	206.1	-335.6	427.2	397.0	30.24	14.127	
4,400.0	4,391.6	4,358.2	4,335.5	15.6	16.2	-112.03	214.7	-346.2	445.1	414.1	30.99	14.363	
4,500.0	4,490.6	4,456.3	4,432.7	16.0	16.6	-112.90	223.3	-356.8	463.0	431.3	31.73	14.591	
4,600.0	4,589.6	4,554.5	4,529.9	16.4	17.0	-113.70	231.8	-367.5	481.1	448.6	32.48	14.810	
4,700.0	4,688.6	4,652.6	4,627.1	16.8	17.4	-114.45	240.4	-378.1	499.2	466.0	33.23	15.022	
4,800.0	4,787.7	4,750.7	4,724.3	17.2	17.8	-115.14	249.0	-388.7	517.4	483.4	33.98	15.225	
4,900.0	4,886.7	4,848.9	4,821.5	17.5	18.2	-115.79	257.6	-399.3	535.7	500.9	34.73	15.422	
5,000.0	4,985.7	4,947.0	4,918.7	17.9	18.6	-116.40	266.2	-410.0	554.0	518.5	35.49	15.611	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #221H - 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
5,100.0	5,084.8	5,045.2	5,015.8	18.3	19.0	-116.96	274.8	-420.6	572.4	536.2	36.24	15.793	
5,200.0	5,183.8	5,143.3	5,113.0	18.7	19.4	-117.49	283.4	-431.2	590.8	553.8	37.00	15.969	
5,300.0	5,282.8	5,241.4	5,210.2	19.1	19.9	-117.99	291.9	-441.8	609.3	571.6	37.76	16.138	
5,400.0	5,381.8	5,339.6	5,307.4	19.5	20.3	-118.46	300.5	-452.4	627.9	589.3	38.51	16.302	
5,500.0	5,480.9	5,437.7	5,404.6	19.9	20.7	-118.90	309.1	-463.1	646.4	607.2	39.27	16.460	
5,600.0	5,579.9	5,535.9	5,501.8	20.3	21.1	-119.32	317.7	-473.7	665.0	625.0	40.03	16.612	
5,700.0	5,678.9	5,634.0	5,599.0	20.7	21.5	-119.72	326.3	-484.3	683.7	642.9	40.79	16.759	
5,800.0	5,777.9	5,732.2	5,696.1	21.1	21.9	-120.09	334.9	-494.9	702.3	660.8	41.56	16.901	
5,900.0	5,877.0	5,830.3	5,793.3	21.5	22.3	-120.45	343.5	-505.6	721.0	678.7	42.32	17.039	
6,000.0	5,976.0	5,928.4	5,890.5	21.9	22.7	-120.78	352.1	-516.2	739.8	696.7	43.08	17.172	
6,100.0	6,075.0	6,041.4	6,002.5	22.3	23.2	-121.20	361.3	-527.6	757.8	713.8	43.96	17.236	
6,200.0	6,174.0	6,159.5	6,120.0	22.7	23.6	-121.76	368.7	-536.8	773.4	728.5	44.86	17.240	
6,300.0	6,273.1	6,278.2	6,238.4	23.1	24.1	-122.45	373.9	-543.2	786.5	740.8	45.72	17.202	
6,400.0	6,372.1	6,397.2	6,357.4	23.5	24.5	-123.27	376.8	-546.8	797.3	750.7	46.55	17.126	
6,500.0	6,471.1	6,511.0	6,471.1	23.9	24.9	-124.17	377.4	-547.5	805.7	758.4	47.33	17.022	
6,557.1	6,527.6	6,567.5	6,527.6	24.1	25.0	-124.63	377.4	-547.5	810.2	762.5	47.75	16.968	
6,600.0	6,570.2	6,610.1	6,570.2	24.3	25.2	-125.00	377.4	-547.5	813.5	765.5	48.07	16.925	
6,700.0	6,669.5	6,709.4	6,669.5	24.7	25.5	-125.74	377.4	-547.5	820.2	771.4	48.79	16.810	
6,800.0	6,769.1	6,809.0	6,769.1	25.1	25.8	-126.30	377.4	-547.5	825.5	775.9	49.51	16.673	
6,900.0	6,868.9	6,908.8	6,868.9	25.4	26.2	-126.70	377.4	-547.5	829.2	779.0	50.22	16.512	
7,000.0	6,968.8	7,008.7	6,968.8	25.8	26.5	-126.93	377.4	-547.5	831.4	780.5	50.92	16.328	
7,090.4	7,059.2	7,100.9	7,059.2	26.1	26.8	-90.35	377.4	-547.5	832.0	780.5	51.55	16.141	
7,100.0	7,068.8	7,108.7	7,068.8	26.1	26.8	-90.35	377.4	-547.5	832.0	780.4	51.61	16.122	
7,200.0	7,168.8	7,208.7	7,168.8	26.5	27.2	-90.35	377.4	-547.5	832.0	779.8	52.30	15.910	
7,300.0	7,268.8	7,308.7	7,268.8	26.8	27.5	-90.35	377.4	-547.5	832.0	779.1	52.98	15.704	
7,400.0	7,368.8	7,408.7	7,368.8	27.2	27.8	-90.35	377.4	-547.5	832.0	778.4	53.67	15.502	
7,500.0	7,468.8	7,508.7	7,468.8	27.5	28.2	-90.35	377.4	-547.5	832.0	777.7	54.36	15.305	
7,600.0	7,568.8	7,608.7	7,568.8	27.8	28.5	-90.35	377.4	-547.5	832.0	777.0	55.05	15.114	
7,700.0	7,668.8	7,708.7	7,668.8	28.2	28.8	-90.35	377.4	-547.5	832.0	776.3	55.74	14.926	
7,800.0	7,768.8	7,808.7	7,768.8	28.5	29.2	-90.35	377.4	-547.5	832.0	775.6	56.44	14.743	
7,900.0	7,868.8	7,908.7	7,868.8	28.9	29.5	-90.35	377.4	-547.5	832.0	774.9	57.13	14.565	
8,000.0	7,968.8	8,008.7	7,968.8	29.2	29.8	-90.35	377.4	-547.5	832.0	774.2	57.82	14.390	
8,100.0	8,068.8	8,108.7	8,068.8	29.6	30.2	-90.35	377.4	-547.5	832.0	773.5	58.51	14.220	
8,200.0	8,168.8	8,208.7	8,168.8	29.9	30.5	-90.35	377.4	-547.5	832.0	772.8	59.21	14.053	
8,300.0	8,268.8	8,308.7	8,268.8	30.3	30.9	-90.35	377.4	-547.5	832.0	772.1	59.90	13.890	
8,400.0	8,368.8	8,408.7	8,368.8	30.6	31.2	-90.35	377.4	-547.5	832.0	771.4	60.60	13.731	
8,500.0	8,468.8	8,508.7	8,468.8	30.9	31.5	-90.35	377.4	-547.5	832.0	770.8	61.29	13.575	
8,600.0	8,568.8	8,608.7	8,568.8	31.3	31.9	-90.35	377.4	-547.5	832.0	770.1	61.99	13.422	
8,700.0	8,668.8	8,708.7	8,668.8	31.6	32.2	-90.35	377.4	-547.5	832.0	769.4	62.69	13.273	
8,800.0	8,768.8	8,808.7	8,768.8	32.0	32.6	-90.35	377.4	-547.5	832.0	768.7	63.38	13.127	
8,900.0	8,868.8	8,908.7	8,868.8	32.3	32.9	-90.35	377.4	-547.5	832.0	768.0	64.08	12.985	
9,000.0	8,968.8	9,008.7	8,968.8	32.7	33.2	-90.35	377.4	-547.5	832.0	767.3	64.78	12.845	
9,100.0	9,068.8	9,108.7	9,068.8	33.0	33.6	-90.35	377.4	-547.5	832.0	766.6	65.48	12.708	
9,200.0	9,168.8	9,208.7	9,168.8	33.4	33.9	-90.35	377.4	-547.5	832.0	765.9	66.17	12.573	
9,300.0	9,268.8	9,308.7	9,268.8	33.7	34.3	-90.35	377.4	-547.5	832.0	765.2	66.87	12.442	
9,400.0	9,368.8	9,408.7	9,368.8	34.1	34.6	-90.35	377.4	-547.5	832.0	764.5	67.57	12.313	
9,500.0	9,468.8	9,508.7	9,468.8	34.4	34.9	-90.35	377.4	-547.5	832.0	763.8	68.27	12.187	
9,600.0	9,568.8	9,608.7	9,568.8	34.8	35.3	-90.35	377.4	-547.5	832.0	763.1	68.97	12.063	
9,700.0	9,668.8	9,708.7	9,668.8	35.1	35.6	-90.35	377.4	-547.5	832.0	762.4	69.67	11.942	
9,800.0	9,768.8	9,808.7	9,768.8	35.5	36.0	-90.35	377.4	-547.5	832.0	761.7	70.37	11.823	
9,900.0	9,868.8	9,908.7	9,868.8	35.8	36.3	-90.35	377.4	-547.5	832.0	761.0	71.08	11.707	
10,000.0	9,968.8	10,008.7	9,968.8	36.2	36.7	-90.35	377.4	-547.5	832.0	760.3	71.78	11.592	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #221H - 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
10,100.0	10,068.8	10,108.7	10,068.8	36.5	37.0	-90.35	377.4	-547.5	832.0	759.6	72.48	11.480	
10,200.0	10,168.8	10,208.7	10,168.8	36.9	37.4	-90.35	377.4	-547.5	832.0	758.9	73.18	11.370	
10,300.0	10,268.8	10,308.7	10,268.8	37.2	37.7	-90.35	377.4	-547.5	832.0	758.2	73.88	11.262	
10,348.2	10,317.0	10,356.9	10,317.0	37.4	37.9	-90.35	377.4	-547.5	832.0	757.8	74.22	11.210	
10,350.0	10,318.8	10,358.7	10,318.8	37.4	37.9	90.09	377.4	-547.5	832.0	757.8	74.23	11.208	
10,400.0	10,368.8	10,408.6	10,368.8	37.6	38.0	90.25	377.4	-547.5	832.1	757.5	74.56	11.159	
10,450.0	10,418.3	10,458.2	10,418.3	37.7	38.2	90.70	377.4	-547.5	832.1	757.2	74.88	11.113	
10,500.0	10,467.1	10,506.9	10,467.1	37.8	38.4	91.42	377.4	-547.5	832.3	757.1	75.17	11.072	
10,550.0	10,514.7	10,554.6	10,514.7	38.0	38.5	92.36	377.4	-547.5	832.8	757.4	75.46	11.038	
10,600.0	10,560.8	10,600.7	10,560.8	38.1	38.7	93.47	377.4	-547.5	833.9	758.2	75.72	11.013	
10,650.0	10,605.1	10,644.9	10,605.1	38.2	38.9	94.69	377.4	-547.5	835.8	759.8	75.96	11.003	
10,700.0	10,647.1	10,687.0	10,647.1	38.2	39.0	95.95	377.4	-547.5	838.8	762.6	76.19	11.009	
10,750.0	10,686.7	10,726.6	10,686.7	38.3	39.1	97.15	377.4	-547.5	843.2	766.8	76.39	11.037	
10,800.0	10,723.4	10,763.3	10,723.4	38.4	39.3	98.22	377.4	-547.5	849.3	772.8	76.58	11.091	
10,850.0	10,757.1	10,803.0	10,757.1	38.4	39.4	99.07	377.4	-547.5	857.5	780.7	76.77	11.170	
10,900.0	10,787.4	10,827.3	10,787.4	38.5	39.5	99.63	377.4	-547.5	868.0	791.1	76.90	11.287	
10,950.0	10,814.1	10,854.0	10,814.1	38.5	39.6	99.81	377.4	-547.5	881.0	803.9	77.03	11.436	
11,000.0	10,837.1	10,876.9	10,837.1	38.5	39.7	99.56	377.4	-547.5	896.5	819.4	77.15	11.621	
11,050.0	10,856.0	10,904.1	10,856.0	38.6	39.8	98.80	377.4	-547.5	914.8	837.5	77.28	11.837	
11,100.0	10,870.9	10,910.8	10,870.9	38.6	39.8	97.49	377.4	-547.5	935.6	858.3	77.32	12.099	
11,150.0	10,881.6	10,921.4	10,881.6	38.7	39.8	95.58	377.4	-547.5	958.9	881.5	77.38	12.392	
11,200.0	10,887.9	10,927.8	10,887.9	38.8	39.8	93.04	377.4	-547.5	984.5	907.1	77.42	12.716	
11,248.2	10,890.0	10,929.8	10,890.0	38.9	39.8	90.00	377.4	-547.5	1,011.0	933.6	77.44	13.055	
11,300.0	10,890.0	10,929.8	10,890.0	39.0	39.8	90.00	377.4	-547.5	1,041.3	963.9	77.46	13.444	
11,400.0	10,890.0	10,929.8	10,890.0	39.3	39.8	90.00	377.4	-547.5	1,104.4	1,026.9	77.50	14.249	
11,500.0	10,890.0	10,929.8	10,890.0	39.6	39.8	90.00	377.4	-547.5	1,172.5	1,095.0	77.57	15.116	
11,600.0	10,890.0	10,929.8	10,890.0	40.0	39.8	90.00	377.4	-547.5	1,245.0	1,167.4	77.64	16.036	
11,700.0	10,890.0	10,929.8	10,890.0	40.5	39.8	90.00	377.4	-547.5	1,321.1	1,243.4	77.72	16.999	
11,800.0	10,890.0	10,929.8	10,890.0	41.0	39.8	90.00	377.4	-547.5	1,400.2	1,322.4	77.79	17.999	
11,900.0	10,890.0	10,929.8	10,890.0	41.6	39.8	90.00	377.4	-547.5	1,481.8	1,403.9	77.87	19.029	
12,000.0	10,890.0	13,389.5	12,254.0	42.2	46.8	154.18	-947.4	-365.4	1,515.3	1,462.7	52.58	28.818	
12,100.0	10,890.0	13,489.5	12,254.0	42.9	47.4	154.18	-1,047.4	-364.6	1,515.3	1,461.8	53.50	28.326	
12,200.0	10,890.0	13,589.5	12,254.0	43.6	48.1	154.18	-1,147.4	-363.9	1,515.3	1,460.9	54.47	27.819	
12,300.0	10,890.0	13,689.5	12,254.0	44.4	48.8	154.18	-1,247.4	-363.1	1,515.3	1,459.8	55.50	27.303	
12,400.0	10,890.0	13,789.5	12,254.0	45.3	49.6	154.18	-1,347.4	-362.3	1,515.3	1,458.7	56.58	26.780	
12,500.0	10,890.0	13,889.5	12,254.0	46.2	50.4	154.18	-1,447.4	-361.6	1,515.3	1,457.6	57.72	26.254	
12,600.0	10,890.0	13,989.5	12,254.0	47.1	51.3	154.18	-1,547.4	-360.8	1,515.3	1,456.4	58.90	25.728	
12,700.0	10,890.0	14,089.5	12,254.0	48.0	52.2	154.18	-1,647.4	-360.0	1,515.3	1,455.2	60.12	25.204	
12,800.0	10,890.0	14,189.5	12,254.0	49.0	53.1	154.18	-1,747.4	-359.3	1,515.3	1,453.9	61.39	24.684	
12,900.0	10,890.0	14,289.5	12,254.0	50.1	54.1	154.18	-1,847.4	-358.5	1,515.3	1,452.6	62.70	24.170	
13,000.0	10,890.0	14,389.5	12,254.0	51.1	55.0	154.18	-1,947.4	-357.7	1,515.3	1,451.3	64.04	23.663	
13,100.0	10,890.0	14,489.5	12,254.0	52.2	56.1	154.18	-2,047.4	-357.0	1,515.3	1,449.9	65.42	23.165	
13,200.0	10,890.0	14,589.5	12,254.0	53.3	57.1	154.18	-2,147.4	-356.2	1,515.3	1,448.5	66.83	22.676	
13,300.0	10,890.0	14,689.5	12,254.0	54.5	58.2	154.18	-2,247.4	-355.4	1,515.3	1,447.1	68.27	22.197	
13,400.0	10,890.0	14,789.5	12,254.0	55.7	59.3	154.18	-2,347.4	-354.7	1,515.3	1,445.6	69.74	21.730	
13,500.0	10,890.0	14,889.5	12,254.0	56.9	60.5	154.18	-2,447.4	-353.9	1,515.3	1,444.1	71.23	21.273	
13,600.0	10,890.0	14,989.5	12,254.0	58.1	61.6	154.18	-2,547.4	-353.1	1,515.3	1,442.6	72.75	20.828	
13,700.0	10,890.0	15,089.5	12,254.0	59.3	62.8	154.18	-2,647.4	-352.3	1,515.3	1,441.0	74.30	20.395	
13,800.0	10,890.0	15,189.5	12,254.0	60.6	64.0	154.18	-2,747.4	-351.6	1,515.3	1,439.5	75.86	19.974	
13,900.0	10,890.0	15,289.5	12,254.0	61.9	65.2	154.18	-2,847.4	-350.8	1,515.3	1,437.9	77.45	19.565	
14,000.0	10,890.0	15,389.5	12,254.0	63.2	66.4	154.18	-2,947.3	-350.0	1,515.3	1,436.3	79.06	19.167	
14,100.0	10,890.0	15,489.5	12,254.0	64.5	67.7	154.18	-3,047.3	-349.3	1,515.3	1,434.6	80.68	18.781	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #221H - 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	10,890.0	15,589.5	12,254.0	65.8	69.0	154.18	-3,147.3	-348.5	1,515.3	1,433.0	82.33	18.406	
14,300.0	10,890.0	15,689.5	12,254.0	67.2	70.3	154.18	-3,247.3	-347.7	1,515.3	1,431.3	83.99	18.042	
14,400.0	10,890.0	15,789.5	12,254.0	68.5	71.6	154.18	-3,347.3	-347.0	1,515.3	1,429.6	85.66	17.689	
14,500.0	10,890.0	15,889.5	12,254.0	69.9	72.9	154.18	-3,447.3	-346.2	1,515.3	1,428.0	87.35	17.347	
14,600.0	10,890.0	15,989.5	12,254.0	71.3	74.2	154.18	-3,547.3	-345.4	1,515.3	1,426.3	89.06	17.015	
14,700.0	10,890.0	16,089.5	12,254.0	72.7	75.6	154.18	-3,647.3	-344.7	1,515.3	1,424.5	90.77	16.694	
14,800.0	10,890.0	16,189.5	12,254.0	74.1	76.9	154.18	-3,747.3	-343.9	1,515.3	1,422.8	92.50	16.382	
14,900.0	10,890.0	16,289.5	12,254.0	75.5	78.3	154.18	-3,847.3	-343.1	1,515.3	1,421.1	94.24	16.079	
15,000.0	10,890.0	16,389.5	12,254.0	76.9	79.7	154.18	-3,947.3	-342.4	1,515.3	1,419.3	95.99	15.786	
15,100.0	10,890.0	16,489.5	12,254.0	78.3	81.1	154.18	-4,047.3	-341.6	1,515.3	1,417.6	97.75	15.502	
15,200.0	10,890.0	16,589.5	12,254.0	79.8	82.5	154.18	-4,147.3	-340.8	1,515.3	1,415.8	99.52	15.226	
15,300.0	10,890.0	16,689.5	12,254.0	81.2	83.9	154.18	-4,247.3	-340.1	1,515.3	1,414.0	101.30	14.958	
15,400.0	10,890.0	16,789.5	12,254.0	82.7	85.3	154.18	-4,347.3	-339.3	1,515.3	1,412.2	103.09	14.699	
15,500.0	10,890.0	16,889.5	12,254.0	84.1	86.7	154.18	-4,447.3	-338.5	1,515.3	1,410.4	104.89	14.447	
15,600.0	10,890.0	16,989.5	12,254.0	85.6	88.1	154.18	-4,547.3	-337.7	1,515.3	1,408.6	106.69	14.203	
15,700.0	10,890.0	17,089.5	12,254.0	87.1	89.6	154.18	-4,647.3	-337.0	1,515.3	1,406.8	108.50	13.965	
15,800.0	10,890.0	17,189.5	12,254.0	88.6	91.0	154.18	-4,747.3	-336.2	1,515.3	1,405.0	110.32	13.735	
15,900.0	10,890.0	17,289.5	12,254.0	90.1	92.5	154.18	-4,847.3	-335.4	1,515.3	1,403.2	112.15	13.511	
16,000.0	10,890.0	17,389.5	12,254.0	91.6	93.9	154.18	-4,947.3	-334.7	1,515.3	1,401.3	113.98	13.294	
16,100.0	10,890.0	17,489.5	12,254.0	93.1	95.4	154.18	-5,047.3	-333.9	1,515.3	1,399.5	115.82	13.083	
16,200.0	10,890.0	17,589.5	12,254.0	94.6	96.9	154.18	-5,147.3	-333.1	1,515.3	1,397.6	117.67	12.878	
16,300.0	10,890.0	17,689.5	12,254.0	96.1	98.4	154.18	-5,247.3	-332.4	1,515.3	1,395.8	119.52	12.678	
16,400.0	10,890.0	17,789.5	12,254.0	97.6	99.8	154.18	-5,347.3	-331.6	1,515.3	1,393.9	121.37	12.485	
16,500.0	10,890.0	17,889.5	12,254.0	99.1	101.3	154.18	-5,447.3	-330.8	1,515.3	1,392.1	123.23	12.296	
16,600.0	10,890.0	17,989.5	12,254.0	100.6	102.8	154.18	-5,547.3	-330.1	1,515.3	1,390.2	125.10	12.113	
16,700.0	10,890.0	18,089.5	12,254.0	102.2	104.3	154.18	-5,647.3	-329.3	1,515.3	1,388.3	126.97	11.934	
16,800.0	10,890.0	18,189.5	12,254.0	103.7	105.8	154.18	-5,747.3	-328.5	1,515.3	1,386.4	128.85	11.761	
16,900.0	10,890.0	18,289.5	12,254.0	105.2	107.3	154.18	-5,847.3	-327.8	1,515.3	1,384.6	130.72	11.592	
17,000.0	10,890.0	18,389.5	12,254.0	106.8	108.8	154.18	-5,947.3	-327.0	1,515.3	1,382.7	132.61	11.427	
17,100.0	10,890.0	18,489.5	12,254.0	108.3	110.4	154.18	-6,047.3	-326.2	1,515.3	1,380.8	134.49	11.267	
17,200.0	10,890.0	18,589.5	12,254.0	109.9	111.9	154.18	-6,147.3	-325.5	1,515.3	1,378.9	136.39	11.110	
17,300.0	10,890.0	18,689.5	12,254.0	111.4	113.4	154.18	-6,247.3	-324.7	1,515.3	1,377.0	138.28	10.958	
17,400.0	10,890.0	18,789.5	12,254.0	112.9	114.9	154.18	-6,347.2	-323.9	1,515.3	1,375.1	140.18	10.810	
17,500.0	10,890.0	18,889.5	12,254.0	114.5	116.5	154.18	-6,447.2	-323.2	1,515.3	1,373.2	142.08	10.665	
17,600.0	10,890.0	18,989.5	12,254.0	116.1	118.0	154.18	-6,547.2	-322.4	1,515.3	1,371.3	143.98	10.524	
17,700.0	10,890.0	19,089.5	12,254.0	117.6	119.5	154.18	-6,647.2	-321.6	1,515.3	1,369.4	145.89	10.386	
17,800.0	10,890.0	19,189.5	12,254.0	119.2	121.1	154.18	-6,747.2	-320.8	1,515.3	1,367.5	147.80	10.252	
17,900.0	10,890.0	19,289.5	12,254.0	120.7	122.6	154.18	-6,847.2	-320.1	1,515.3	1,365.6	149.72	10.121	
18,000.0	10,890.0	19,389.5	12,254.0	122.3	124.2	154.18	-6,947.2	-319.3	1,515.3	1,363.7	151.63	9.993	
18,100.0	10,890.0	19,489.5	12,254.0	123.9	125.7	154.18	-7,047.2	-318.5	1,515.3	1,361.7	153.55	9.868	
18,200.0	10,890.0	19,589.5	12,254.0	125.5	127.3	154.18	-7,147.2	-317.8	1,515.3	1,359.8	155.47	9.746	
18,300.0	10,890.0	19,689.5	12,254.0	127.0	128.8	154.18	-7,247.2	-317.0	1,515.3	1,357.9	157.39	9.627	
18,400.0	10,890.0	19,789.5	12,254.0	128.6	130.4	154.18	-7,347.2	-316.2	1,515.3	1,356.0	159.32	9.511	
18,500.0	10,890.0	19,889.5	12,254.0	130.2	131.9	154.18	-7,447.2	-315.5	1,515.3	1,354.0	161.25	9.397	
18,600.0	10,890.0	19,989.5	12,254.0	131.8	133.5	154.18	-7,547.2	-314.7	1,515.3	1,352.1	163.18	9.286	
18,700.0	10,890.0	20,089.5	12,254.0	133.3	135.1	154.18	-7,647.2	-313.9	1,515.3	1,350.2	165.11	9.177	
18,800.0	10,890.0	20,189.5	12,254.0	134.9	136.6	154.18	-7,747.2	-313.2	1,515.3	1,348.2	167.05	9.071	
18,900.0	10,890.0	20,289.5	12,254.0	136.5	138.2	154.18	-7,847.2	-312.4	1,515.3	1,346.3	168.98	8.967	
19,000.0	10,890.0	20,389.5	12,254.0	138.1	139.8	154.18	-7,947.2	-311.6	1,515.3	1,344.4	170.92	8.865	
19,100.0	10,890.0	20,489.5	12,254.0	139.7	141.3	154.18	-8,047.2	-310.9	1,515.3	1,342.4	172.86	8.766	
19,200.0	10,890.0	20,589.5	12,254.0	141.3	142.9	154.18	-8,147.2	-310.1	1,515.3	1,340.5	174.80	8.669	
19,300.0	10,890.0	20,689.5	12,254.0	142.9	144.5	154.18	-8,247.2	-309.3	1,515.3	1,338.5	176.75	8.573	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #221H - 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	10,890.0	20,789.5	12,254.0	144.4	146.1	154.18	-8,347.2	-308.6	1,515.3	1,336.6	178.69	8.480	
19,500.0	10,890.0	20,889.5	12,254.0	146.0	147.6	154.18	-8,447.2	-307.8	1,515.3	1,334.6	180.64	8.388	
19,600.0	10,890.0	20,989.5	12,254.0	147.6	149.2	154.18	-8,547.2	-307.0	1,515.3	1,332.7	182.59	8.299	
19,700.0	10,890.0	21,089.5	12,254.0	149.2	150.8	154.18	-8,647.2	-306.2	1,515.3	1,330.7	184.54	8.211	
19,800.0	10,890.0	21,189.5	12,254.0	150.8	152.4	154.18	-8,747.2	-305.5	1,515.3	1,328.8	186.49	8.125	
19,900.0	10,890.0	21,289.5	12,254.0	152.4	154.0	154.18	-8,847.2	-304.7	1,515.3	1,326.8	188.44	8.041	
20,000.0	10,890.0	21,389.5	12,254.0	154.0	155.6	154.18	-8,947.2	-303.9	1,515.3	1,324.9	190.40	7.959	
20,100.0	10,890.0	21,489.5	12,254.0	155.6	157.1	154.18	-9,047.2	-303.2	1,515.3	1,322.9	192.35	7.878	
20,200.0	10,890.0	21,589.5	12,254.0	157.2	158.7	154.18	-9,147.2	-302.4	1,515.3	1,321.0	194.31	7.798	
20,300.0	10,890.0	21,689.5	12,254.0	158.8	160.3	154.18	-9,247.2	-301.6	1,515.3	1,319.0	196.27	7.721	
20,400.0	10,890.0	21,789.5	12,254.0	160.4	161.9	154.18	-9,347.2	-300.9	1,515.3	1,317.0	198.22	7.644	
20,500.0	10,890.0	21,889.5	12,254.0	162.0	163.5	154.18	-9,447.2	-300.1	1,515.3	1,315.1	200.18	7.569	
20,600.0	10,890.0	21,989.5	12,254.0	163.6	165.1	154.18	-9,547.2	-299.3	1,515.3	1,313.1	202.15	7.496	
20,700.0	10,890.0	22,089.5	12,254.0	165.2	166.7	154.18	-9,647.1	-298.6	1,515.3	1,311.2	204.11	7.424	
20,800.0	10,890.0	22,189.5	12,254.0	166.9	168.3	154.18	-9,747.1	-297.8	1,515.3	1,309.2	206.07	7.353	
20,900.0	10,890.0	22,289.5	12,254.0	168.5	169.9	154.18	-9,847.1	-297.0	1,515.3	1,307.2	208.04	7.284	
21,000.0	10,890.0	22,389.5	12,254.0	170.1	171.5	154.18	-9,947.1	-296.3	1,515.3	1,305.3	210.00	7.215	
21,049.0	10,890.0	22,438.5	12,254.0	170.9	172.3	154.18	-9,996.2	-295.9	1,515.3	1,304.3	210.97	7.182	
21,100.0	10,890.0	22,435.4	12,254.0	171.7	172.2	154.18	-9,993.1	-295.9	1,516.2	1,305.2	211.04	7.185	
21,187.1	10,890.0	22,435.4	12,254.0	173.1	172.2	154.18	-9,993.1	-295.9	1,521.8	1,311.0	210.80	7.219	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #225H - 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	-90.39	-0.8	-110.0	110.0				
100.0	100.0	100.0	100.0	0.1	0.1	-90.39	-0.8	-110.0	110.0	109.7	0.26	429.172	
200.0	200.0	200.0	200.0	0.5	0.5	-90.39	-0.8	-110.0	110.0	109.0	0.97	113.023	
300.0	300.0	300.0	300.0	0.8	0.8	-90.39	-0.8	-110.0	110.0	108.3	1.69	65.081	
400.0	400.0	400.0	400.0	1.2	1.2	-90.39	-0.8	-110.0	110.0	107.6	2.41	45.697	
500.0	500.0	500.0	500.0	1.6	1.6	-90.39	-0.8	-110.0	110.0	106.9	3.12	35.210	
600.0	600.0	601.6	601.5	1.9	1.9	-90.11	-0.2	-109.3	109.3	105.4	3.84	28.431	
700.0	700.0	703.0	703.0	2.3	2.3	-89.24	1.4	-107.1	107.2	102.6	4.56	23.491	
800.0	800.0	804.4	804.3	2.6	2.6	-87.72	4.1	-103.6	103.7	98.4	5.28	19.637	
900.0	900.0	905.6	905.2	3.0	3.0	-85.42	7.9	-98.6	99.0	93.0	6.00	16.497	
1,000.0	1,000.0	1,006.5	1,005.8	3.4	3.4	-82.13	12.7	-92.2	93.2	86.5	6.72	13.867	
1,100.0	1,100.0	1,107.1	1,106.0	3.7	3.8	-77.55	18.6	-84.4	86.6	79.2	7.45	11.633	
1,200.0	1,200.0	1,207.3	1,205.5	4.1	4.1	-71.24	25.6	-75.2	79.6	71.5	8.18	9.740	
1,300.0	1,300.0	1,307.1	1,304.5	4.4	4.5	-62.65	33.5	-64.7	73.0	64.1	8.92	8.186	
1,400.0	1,400.0	1,406.1	1,402.5	4.8	4.9	-52.13	41.8	-53.8	68.1	58.5	9.68	7.040	
1,500.0	1,500.0	1,505.1	1,500.5	5.1	5.3	-40.47	50.1	-42.8	65.9	55.4	10.44	6.309	
1,528.1	1,528.1	1,532.9	1,528.1	5.2	5.4	-37.11	52.4	-39.7	65.8	55.1	10.66	6.171	CC
1,600.0	1,600.0	1,604.2	1,598.6	5.5	5.7	-28.54	58.4	-31.8	66.5	55.3	11.20	5.940	
1,700.0	1,700.0	1,703.2	1,696.7	5.9	6.1	-17.29	66.7	-20.8	70.0	58.0	11.94	5.863	
1,800.0	1,800.0	1,802.2	1,794.7	6.2	6.5	-7.43	75.1	-9.8	75.9	63.2	12.66	5.995	
1,900.0	1,900.0	1,901.2	1,892.8	6.6	6.9	0.83	83.4	1.2	83.7	70.3	13.37	6.262	
2,000.0	2,000.0	2,000.3	1,990.9	6.9	7.3	7.58	91.7	12.2	92.9	78.9	14.07	6.606	
2,100.0	2,100.0	2,100.7	2,088.9	7.3	7.7	13.05	100.0	23.2	103.2	88.5	14.78	6.988	
2,200.0	2,200.0	2,201.7	2,187.0	7.7	8.1	17.51	108.3	34.2	114.3	98.8	15.49	7.382	
2,300.0	2,300.0	2,302.6	2,285.0	8.0	8.5	21.17	116.6	45.2	126.0	109.8	16.20	7.776	
2,400.0	2,400.0	2,403.6	2,383.1	8.4	9.0	24.20	124.9	56.2	138.0	121.1	16.91	8.161	
2,500.0	2,500.0	2,495.4	2,481.2	8.7	9.3	26.74	133.3	67.2	150.4	132.8	17.59	8.549	
2,600.0	2,600.0	2,605.6	2,579.2	9.1	9.8	28.90	141.6	78.1	163.0	144.7	18.35	8.887	
2,700.0	2,700.0	2,706.5	2,677.3	9.4	10.2	30.74	149.9	89.1	175.9	156.8	19.07	9.224	
2,800.0	2,800.0	2,807.5	2,775.4	9.8	10.6	32.33	158.2	100.1	188.8	169.1	19.79	9.544	
2,900.0	2,900.0	2,891.5	2,873.4	10.2	11.0	33.72	166.5	111.1	201.9	181.5	20.44	9.878	
3,000.0	3,000.0	3,009.5	2,971.5	10.5	11.5	34.93	174.8	122.1	215.1	193.9	21.23	10.134	
3,100.0	3,100.0	3,089.7	3,069.7	10.9	11.8	-0.64	183.2	133.1	227.6	205.7	21.87	10.404	
3,200.0	3,200.0	3,189.0	3,168.0	11.2	12.2	0.32	191.5	144.1	238.3	215.7	22.59	10.551	
3,300.0	3,299.9	3,288.5	3,266.6	11.6	12.6	1.21	199.9	155.2	247.4	224.1	23.30	10.617	
3,400.0	3,399.7	3,388.2	3,365.3	11.9	13.0	2.05	208.2	166.2	254.8	230.8	24.02	10.608	
3,500.0	3,499.4	3,488.0	3,464.1	12.3	13.4	2.86	216.6	177.3	260.5	235.8	24.74	10.531	
3,600.0	3,598.9	3,587.8	3,562.9	12.7	13.9	3.66	225.0	188.4	264.6	239.1	25.46	10.391	
3,700.0	3,698.3	3,687.7	3,661.9	13.0	14.3	4.46	233.4	199.5	266.9	240.7	26.18	10.195	
3,800.0	3,797.4	3,787.6	3,760.8	13.4	14.7	5.28	241.8	210.6	267.6	240.7	26.90	9.946	
3,900.0	3,896.4	3,887.6	3,859.8	13.8	15.1	6.13	250.1	221.7	267.4	239.8	27.62	9.681	
4,000.0	3,995.5	3,987.5	3,958.7	14.1	15.5	6.97	258.5	232.8	267.3	239.0	28.34	9.431	
4,100.0	4,094.5	4,087.4	4,057.7	14.5	15.9	7.81	266.9	243.8	267.3	238.2	29.07	9.195	
4,127.9	4,122.1	4,115.2	4,085.2	14.6	16.1	8.04	269.3	246.9	267.3	238.0	29.27	9.131	
4,200.0	4,193.5	4,187.3	4,156.6	14.9	16.4	8.65	275.3	254.9	267.3	237.5	29.79	8.972	
4,300.0	4,292.5	4,287.2	4,255.6	15.2	16.8	9.49	283.7	266.0	267.3	236.8	30.51	8.761	
4,400.0	4,391.6	4,387.2	4,354.5	15.6	17.2	10.34	292.1	277.1	267.5	236.2	31.24	8.562	
4,500.0	4,490.6	4,487.1	4,453.5	16.0	17.6	11.18	300.5	288.2	267.7	235.7	31.96	8.373	
4,600.0	4,589.6	4,587.0	4,552.4	16.4	18.0	12.01	308.9	299.3	267.9	235.2	32.69	8.195	
4,700.0	4,688.6	4,686.9	4,651.4	16.8	18.4	12.85	317.3	310.4	268.2	234.8	33.42	8.025	
4,800.0	4,787.7	4,786.9	4,750.3	17.2	18.9	13.69	325.7	321.5	268.6	234.4	34.15	7.864	
4,900.0	4,886.7	4,886.8	4,849.3	17.5	19.3	14.52	334.0	332.6	269.0	234.1	34.88	7.711	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #225H - 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	4,985.7	4,986.7	4,948.2	17.9	19.7	15.35	342.4	343.7	269.4	233.8	35.61	7.566	
5,100.0	5,084.8	5,086.6	5,047.2	18.3	20.1	16.18	350.8	354.8	270.0	233.6	36.35	7.427	
5,200.0	5,183.8	5,186.5	5,146.1	18.7	20.5	17.00	359.2	365.8	270.6	233.5	37.08	7.296	
5,300.0	5,282.8	5,293.4	5,252.1	19.1	21.0	17.89	367.4	376.7	270.0	232.1	37.89	7.127	
5,400.0	5,381.8	5,400.8	5,359.0	19.5	21.4	18.81	373.9	385.3	266.8	228.1	38.67	6.899	
5,500.0	5,480.9	5,507.9	5,465.8	19.9	21.8	19.79	378.5	391.4	260.8	221.4	39.41	6.616	
5,600.0	5,579.9	5,614.6	5,572.4	20.3	22.1	20.88	381.4	395.1	252.1	211.9	40.12	6.282	
5,700.0	5,678.9	5,720.6	5,678.4	20.7	22.5	22.11	382.4	396.5	240.7	199.9	40.80	5.899	
5,800.0	5,777.9	5,820.2	5,777.9	21.1	22.8	23.43	382.4	396.5	227.8	186.3	41.51	5.488	
5,900.0	5,877.0	5,919.2	5,877.0	21.5	23.1	24.90	382.4	396.5	215.1	172.9	42.24	5.093	
6,000.0	5,976.0	6,018.2	5,976.0	21.9	23.4	26.56	382.4	396.5	202.6	159.6	42.97	4.714	
6,100.0	6,075.0	6,117.3	6,075.0	22.3	23.8	28.43	382.4	396.5	190.2	146.5	43.71	4.351	
6,200.0	6,174.0	6,216.3	6,174.0	22.7	24.1	30.56	382.4	396.5	178.0	133.6	44.47	4.004	
6,300.0	6,273.1	6,315.3	6,273.1	23.1	24.4	32.99	382.4	396.5	166.2	120.9	45.24	3.673	
6,400.0	6,372.1	6,414.3	6,372.1	23.5	24.7	35.79	382.4	396.5	154.6	108.6	46.03	3.360	
6,500.0	6,471.1	6,513.4	6,471.1	23.9	25.0	39.03	382.4	396.5	143.5	96.7	46.85	3.064	
6,557.1	6,527.6	6,569.9	6,527.6	24.1	25.2	41.10	382.4	396.5	137.4	90.1	47.33	2.904	
6,600.0	6,570.2	6,612.4	6,570.2	24.3	25.4	42.68	382.4	396.5	133.2	85.5	47.69	2.792	
6,700.0	6,669.5	6,711.8	6,669.5	24.7	25.7	46.15	382.4	396.5	124.9	76.4	48.55	2.573	
6,800.0	6,769.1	6,811.4	6,769.1	25.1	26.0	49.17	382.4	396.5	118.9	69.5	49.38	2.408	
6,900.0	6,868.9	6,911.2	6,868.9	25.4	26.3	51.50	382.4	396.5	114.9	64.7	50.18	2.289	
7,000.0	6,968.8	7,011.1	6,968.8	25.8	26.7	52.93	382.4	396.5	112.6	61.7	50.94	2.211	
7,090.4	7,059.2	7,101.5	7,059.2	26.1	27.0	90.01	382.4	396.5	112.0	60.4	51.58	2.171	
7,100.0	7,068.8	7,111.1	7,068.8	26.1	27.0	90.01	382.4	396.5	112.0	60.3	51.65	2.168	
7,200.0	7,168.8	7,211.1	7,168.8	26.5	27.3	90.01	382.4	396.5	112.0	59.6	52.34	2.140	
7,300.0	7,268.8	7,311.1	7,268.8	26.8	27.6	90.01	382.4	396.5	112.0	59.0	53.02	2.112	
7,400.0	7,368.8	7,411.1	7,368.8	27.2	28.0	90.01	382.4	396.5	112.0	58.3	53.71	2.085	
7,500.0	7,468.8	7,511.1	7,468.8	27.5	28.3	90.01	382.4	396.5	112.0	57.6	54.40	2.059	
7,600.0	7,568.8	7,611.1	7,568.8	27.8	28.6	90.01	382.4	396.5	112.0	56.9	55.09	2.033	
7,700.0	7,668.8	7,711.1	7,668.8	28.2	29.0	90.01	382.4	396.5	112.0	56.2	55.78	2.008	
7,800.0	7,768.8	7,811.1	7,768.8	28.5	29.3	90.01	382.4	396.5	112.0	55.5	56.47	1.983	
7,900.0	7,868.8	7,911.1	7,868.8	28.9	29.6	90.01	382.4	396.5	112.0	54.8	57.16	1.959	
8,000.0	7,968.8	8,011.1	7,968.8	29.2	30.0	90.01	382.4	396.5	112.0	54.1	57.85	1.936	
8,100.0	8,068.8	8,111.1	8,068.8	29.6	30.3	90.01	382.4	396.5	112.0	53.4	58.54	1.913	
8,200.0	8,168.8	8,211.1	8,168.8	29.9	30.6	90.01	382.4	396.5	112.0	52.7	59.24	1.891	
8,300.0	8,268.8	8,311.1	8,268.8	30.3	31.0	90.01	382.4	396.5	112.0	52.1	59.93	1.869	
8,400.0	8,368.8	8,411.1	8,368.8	30.6	31.3	90.01	382.4	396.5	112.0	51.4	60.62	1.847	
8,500.0	8,468.8	8,511.1	8,468.8	30.9	31.7	90.01	382.4	396.5	112.0	50.7	61.32	1.826	
8,600.0	8,568.8	8,611.1	8,568.8	31.3	32.0	90.01	382.4	396.5	112.0	50.0	62.01	1.806	
8,700.0	8,668.8	8,711.1	8,668.8	31.6	32.3	90.01	382.4	396.5	112.0	49.3	62.71	1.786	
8,800.0	8,768.8	8,811.1	8,768.8	32.0	32.7	90.01	382.4	396.5	112.0	48.6	63.40	1.766	
8,900.0	8,868.8	8,911.1	8,868.8	32.3	33.0	90.01	382.4	396.5	112.0	47.9	64.10	1.747	
9,000.0	8,968.8	9,011.1	8,968.8	32.7	33.3	90.01	382.4	396.5	112.0	47.2	64.80	1.728	
9,100.0	9,068.8	9,111.1	9,068.8	33.0	33.7	90.01	382.4	396.5	112.0	46.5	65.49	1.710	
9,200.0	9,168.8	9,211.1	9,168.8	33.4	34.0	90.01	382.4	396.5	112.0	45.8	66.19	1.692	
9,300.0	9,268.8	9,311.1	9,268.8	33.7	34.4	90.01	382.4	396.5	112.0	45.1	66.89	1.674	
9,400.0	9,368.8	9,411.1	9,368.8	34.1	34.7	90.01	382.4	396.5	112.0	44.4	67.59	1.657	
9,500.0	9,468.8	9,511.1	9,468.8	34.4	35.1	90.01	382.4	396.5	112.0	43.7	68.29	1.640	
9,600.0	9,568.8	9,611.1	9,568.8	34.8	35.4	90.01	382.4	396.5	112.0	43.0	68.99	1.623	
9,700.0	9,668.8	9,711.1	9,668.8	35.1	35.7	90.01	382.4	396.5	112.0	42.3	69.69	1.607	
9,800.0	9,768.8	9,811.1	9,768.8	35.5	36.1	90.01	382.4	396.5	112.0	41.6	70.39	1.591	
9,900.0	9,868.8	9,911.1	9,868.8	35.8	36.4	90.01	382.4	396.5	112.0	40.9	71.09	1.575	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #225H - 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
10,000.0	9,968.8	10,011.1	9,968.8	36.2	36.8	90.01	382.4	396.5	112.0	40.2	71.79	1.560	
10,100.0	10,068.8	10,111.1	10,068.8	36.5	37.1	90.01	382.4	396.5	112.0	39.5	72.49	1.545	
10,200.0	10,168.8	10,211.1	10,168.8	36.9	37.4	90.01	382.4	396.5	112.0	38.8	73.19	1.530	
10,300.0	10,268.8	10,311.1	10,268.8	37.2	37.8	90.01	382.4	396.5	112.0	38.1	73.89	1.516	
10,348.2	10,317.0	10,359.2	10,317.0	37.4	38.0	90.01	382.4	396.5	112.0	37.8	74.23	1.509	
10,350.0	10,318.8	10,361.1	10,318.8	37.4	38.0	-89.55	382.4	396.5	112.0	37.7	74.24	1.508	
10,379.8	10,348.7	10,409.1	10,348.7	37.5	38.1	-90.00	382.4	396.5	112.0	37.5	74.49	1.503	
10,400.0	10,368.8	10,411.0	10,368.8	37.6	38.1	-90.75	382.4	396.5	112.0	37.5	74.53	1.503 ES	
10,450.0	10,418.3	10,460.5	10,418.3	37.7	38.3	-94.10	382.4	396.5	112.3	37.5	74.75	1.502 SF	
10,500.0	10,467.1	10,509.3	10,467.1	37.8	38.5	-99.36	382.4	396.5	113.6	38.7	74.91	1.517	
10,550.0	10,514.7	10,556.9	10,514.7	38.0	38.6	-106.04	382.4	396.5	117.1	42.1	75.04	1.561	
10,600.0	10,560.8	10,603.0	10,560.8	38.1	38.8	-113.41	382.4	396.5	124.1	49.0	75.19	1.651	
10,650.0	10,605.1	10,647.3	10,605.1	38.2	39.0	-120.66	382.4	396.5	135.8	60.4	75.41	1.801	
10,700.0	10,647.1	10,689.4	10,647.1	38.2	39.1	-127.15	382.4	396.5	152.7	77.0	75.70	2.017	
10,750.0	10,686.7	10,728.9	10,686.7	38.3	39.2	-132.51	382.4	396.5	174.9	98.9	76.02	2.301	
10,800.0	10,723.4	10,765.7	10,723.4	38.4	39.4	-136.64	382.4	396.5	202.1	125.7	76.36	2.647	
10,850.0	10,757.1	10,800.7	10,757.1	38.4	39.5	-139.56	382.4	396.5	233.8	157.1	76.68	3.049	
10,900.0	10,787.4	10,829.6	10,787.4	38.5	39.6	-141.32	382.4	396.5	269.3	192.4	76.95	3.500	
10,950.0	10,814.1	10,856.4	10,814.1	38.5	39.7	-141.90	382.4	396.5	308.3	231.1	77.19	3.994	
11,000.0	10,837.1	10,879.3	10,837.1	38.5	39.8	-141.18	382.4	396.5	350.0	272.6	77.39	4.523	
11,050.0	10,856.0	10,901.7	10,856.0	38.6	39.8	-138.84	382.4	396.5	394.1	316.5	77.56	5.081	
11,100.0	10,870.9	10,913.1	10,870.9	38.6	39.9	-134.18	382.4	396.5	440.1	362.4	77.68	5.665	
11,150.0	10,881.6	10,923.8	10,881.6	38.7	39.9	-125.84	382.4	396.5	487.4	409.7	77.77	6.267	
11,200.0	10,887.9	10,930.2	10,887.9	38.8	39.9	-111.45	382.4	396.5	535.8	458.0	77.84	6.883	
11,248.2	10,890.0	10,932.2	10,890.0	38.9	39.9	-90.00	382.4	396.5	582.9	505.1	77.89	7.484	
11,300.0	10,890.0	10,932.2	10,890.0	39.0	39.9	-90.00	382.4	396.5	633.9	556.0	77.92	8.135	
11,400.0	10,890.0	10,932.2	10,890.0	39.3	39.9	-90.00	382.4	396.5	732.5	654.6	77.97	9.395	
11,500.0	10,890.0	10,932.2	10,890.0	39.6	39.9	-90.00	382.4	396.5	831.5	753.5	78.02	10.658	
11,600.0	10,890.0	10,932.2	10,890.0	40.0	39.9	-90.00	382.4	396.5	930.7	852.6	78.05	11.924	
11,700.0	10,890.0	10,932.2	10,890.0	40.5	39.9	-90.00	382.4	396.5	1,030.0	951.9	78.08	13.191	
11,800.0	10,890.0	10,932.2	10,890.0	41.0	39.9	-90.00	382.4	396.5	1,129.5	1,051.4	78.11	14.460	
11,900.0	10,890.0	10,932.2	10,890.0	41.6	39.9	-90.00	382.4	396.5	1,229.0	1,150.9	78.14	15.729	
12,000.0	10,890.0	10,932.2	10,890.0	42.2	39.9	-90.00	382.4	396.5	1,328.6	1,250.5	78.17	16.998	
12,100.0	10,890.0	10,932.2	10,890.0	42.9	39.9	-90.00	382.4	396.5	1,428.3	1,350.1	78.19	18.267	
12,200.0	10,890.0	10,932.2	10,890.0	43.6	39.9	-90.00	382.4	396.5	1,528.0	1,449.8	78.21	19.537	
12,300.0	10,890.0	10,932.2	10,890.0	44.4	39.9	-90.00	382.4	396.5	1,627.8	1,549.5	78.24	20.806	
12,400.0	10,890.0	14,138.5	12,611.0	45.3	50.4	-179.99	-1,342.3	298.0	1,721.0	1,676.3	44.70	38.502	
12,500.0	10,890.0	14,238.5	12,611.0	46.2	51.2	-179.99	-1,442.3	298.8	1,721.0	1,675.3	45.65	37.700	
12,600.0	10,890.0	14,338.5	12,611.0	47.1	52.0	-179.99	-1,542.3	299.5	1,721.0	1,674.4	46.63	36.904	
12,700.0	10,890.0	14,438.5	12,611.0	48.0	52.9	-179.99	-1,642.3	300.3	1,721.0	1,673.3	47.65	36.117	
12,800.0	10,890.0	14,538.5	12,611.0	49.0	53.8	-179.99	-1,742.3	301.1	1,721.0	1,672.3	48.69	35.343	
12,900.0	10,890.0	14,638.5	12,611.0	50.1	54.7	-179.99	-1,842.3	301.8	1,721.0	1,671.2	49.77	34.581	
13,000.0	10,890.0	14,738.5	12,611.0	51.1	55.7	-179.99	-1,942.3	302.6	1,721.0	1,670.1	50.86	33.835	
13,100.0	10,890.0	14,838.5	12,611.0	52.2	56.7	-179.99	-2,042.3	303.3	1,721.0	1,669.0	51.99	33.105	
13,200.0	10,890.0	14,938.5	12,611.0	53.3	57.7	-179.99	-2,142.3	304.1	1,721.0	1,667.9	53.13	32.392	
13,300.0	10,890.0	15,038.5	12,611.0	54.5	58.8	-179.99	-2,242.3	304.9	1,721.0	1,666.7	54.30	31.697	
13,400.0	10,890.0	15,138.5	12,611.0	55.7	59.8	-179.99	-2,342.3	305.6	1,721.0	1,665.5	55.48	31.020	
13,500.0	10,890.0	15,238.5	12,611.0	56.9	61.0	-179.99	-2,442.3	306.4	1,721.0	1,664.3	56.68	30.361	
13,600.0	10,890.0	15,338.5	12,611.0	58.1	62.1	-179.99	-2,542.3	307.2	1,721.0	1,663.1	57.90	29.721	
13,700.0	10,890.0	15,438.5	12,611.0	59.3	63.2	-179.99	-2,642.3	307.9	1,721.0	1,661.9	59.14	29.100	
13,800.0	10,890.0	15,538.5	12,611.0	60.6	64.4	-179.99	-2,742.3	308.7	1,721.0	1,660.6	60.39	28.496	
13,900.0	10,890.0	15,638.5	12,611.0	61.9	65.6	-179.99	-2,842.3	309.5	1,721.0	1,659.3	61.66	27.911	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #225H - 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	10,890.0	15,738.5	12,611.0	63.2	66.8	-179.99	-2,942.3	310.2	1,721.0	1,658.1	62.94	27.344	
14,100.0	10,890.0	15,838.5	12,611.0	64.5	68.1	-179.99	-3,042.3	311.0	1,721.0	1,656.8	64.23	26.793	
14,200.0	10,890.0	15,938.5	12,611.0	65.8	69.3	-179.99	-3,142.3	311.7	1,721.0	1,655.5	65.54	26.260	
14,300.0	10,890.0	16,038.5	12,611.0	67.2	70.6	-179.99	-3,242.3	312.5	1,721.0	1,654.1	66.85	25.743	
14,400.0	10,890.0	16,138.5	12,611.0	68.5	71.9	-179.99	-3,342.3	313.3	1,721.0	1,652.8	68.18	25.242	
14,500.0	10,890.0	16,238.5	12,611.0	69.9	73.2	-179.99	-3,442.3	314.0	1,721.0	1,651.5	69.52	24.757	
14,600.0	10,890.0	16,338.5	12,611.0	71.3	74.5	-179.99	-3,542.3	314.8	1,721.0	1,650.1	70.86	24.287	
14,700.0	10,890.0	16,438.5	12,611.0	72.7	75.8	-179.99	-3,642.3	315.6	1,721.0	1,648.8	72.22	23.831	
14,800.0	10,890.0	16,538.5	12,611.0	74.1	77.1	-179.99	-3,742.2	316.3	1,721.0	1,647.4	73.58	23.389	
14,900.0	10,890.0	16,638.5	12,611.0	75.5	78.5	-179.99	-3,842.2	317.1	1,721.0	1,646.0	74.95	22.962	
15,000.0	10,890.0	16,738.5	12,611.0	76.9	79.9	-179.99	-3,942.2	317.9	1,721.0	1,644.7	76.33	22.547	
15,100.0	10,890.0	16,838.5	12,611.0	78.3	81.2	-179.99	-4,042.2	318.6	1,721.0	1,643.3	77.72	22.145	
15,200.0	10,890.0	16,938.5	12,611.0	79.8	82.6	-179.99	-4,142.2	319.4	1,721.0	1,641.9	79.11	21.755	
15,300.0	10,890.0	17,038.5	12,611.0	81.2	84.0	-179.99	-4,242.2	320.1	1,721.0	1,640.5	80.51	21.377	
15,400.0	10,890.0	17,138.5	12,611.0	82.7	85.4	-179.99	-4,342.2	320.9	1,721.0	1,639.1	81.91	21.010	
15,500.0	10,890.0	17,238.5	12,611.0	84.1	86.8	-179.99	-4,442.2	321.7	1,721.0	1,637.7	83.32	20.654	
15,600.0	10,890.0	17,338.5	12,611.0	85.6	88.2	-179.99	-4,542.2	322.4	1,721.0	1,636.3	84.74	20.309	
15,700.0	10,890.0	17,438.5	12,611.0	87.1	89.7	-179.99	-4,642.2	323.2	1,721.0	1,634.8	86.16	19.974	
15,800.0	10,890.0	17,538.5	12,611.0	88.6	91.1	-179.99	-4,742.2	324.0	1,721.0	1,633.4	87.59	19.648	
15,900.0	10,890.0	17,638.5	12,611.0	90.1	92.5	-179.99	-4,842.2	324.7	1,721.0	1,632.0	89.02	19.332	
16,000.0	10,890.0	17,738.5	12,611.0	91.6	94.0	-180.00	-4,942.2	325.5	1,721.0	1,630.5	90.46	19.025	
16,100.0	10,890.0	17,838.5	12,611.0	93.1	95.4	-180.00	-5,042.2	326.2	1,721.0	1,629.1	91.90	18.727	
16,200.0	10,890.0	17,938.5	12,611.0	94.6	96.9	-180.00	-5,142.2	327.0	1,721.0	1,627.7	93.34	18.437	
16,300.0	10,890.0	18,038.5	12,611.0	96.1	98.4	-180.00	-5,242.2	327.8	1,721.0	1,626.2	94.79	18.156	
16,400.0	10,890.0	18,138.5	12,611.0	97.6	99.8	-180.00	-5,342.2	328.5	1,721.0	1,624.8	96.24	17.882	
16,500.0	10,890.0	18,238.5	12,611.0	99.1	101.3	-180.00	-5,442.2	329.3	1,721.0	1,623.3	97.70	17.615	
16,600.0	10,890.0	18,338.5	12,611.0	100.6	102.8	-180.00	-5,542.2	330.1	1,721.0	1,621.8	99.16	17.356	
16,700.0	10,890.0	18,438.5	12,611.0	102.2	104.3	-180.00	-5,642.2	330.8	1,721.0	1,620.4	100.62	17.104	
16,800.0	10,890.0	18,538.5	12,611.0	103.7	105.8	-180.00	-5,742.2	331.6	1,721.0	1,618.9	102.09	16.858	
16,900.0	10,890.0	18,638.5	12,611.0	105.2	107.3	-180.00	-5,842.2	332.4	1,721.0	1,617.4	103.56	16.619	
17,000.0	10,890.0	18,738.5	12,611.0	106.8	108.8	-180.00	-5,942.2	333.1	1,721.0	1,616.0	105.03	16.386	
17,100.0	10,890.0	18,838.5	12,611.0	108.3	110.3	-180.00	-6,042.2	333.9	1,721.0	1,614.5	106.50	16.159	
17,200.0	10,890.0	18,938.5	12,611.0	109.9	111.8	-180.00	-6,142.2	334.6	1,721.0	1,613.0	107.98	15.938	
17,300.0	10,890.0	19,038.5	12,611.0	111.4	113.3	-180.00	-6,242.2	335.4	1,721.0	1,611.5	109.46	15.723	
17,400.0	10,890.0	19,138.5	12,611.0	112.9	114.8	-180.00	-6,342.2	336.2	1,721.0	1,610.1	110.94	15.513	
17,500.0	10,890.0	19,238.5	12,611.0	114.5	116.4	-180.00	-6,442.2	336.9	1,721.0	1,608.6	112.43	15.308	
17,600.0	10,890.0	19,338.5	12,611.0	116.1	117.9	-180.00	-6,542.2	337.7	1,721.0	1,607.1	113.91	15.108	
17,700.0	10,890.0	19,438.5	12,611.0	117.6	119.4	-180.00	-6,642.2	338.5	1,721.0	1,605.6	115.40	14.913	
17,800.0	10,890.0	19,538.5	12,611.0	119.2	121.0	-180.00	-6,742.2	339.2	1,721.0	1,604.1	116.89	14.723	
17,900.0	10,890.0	19,638.5	12,611.0	120.7	122.5	-180.00	-6,842.2	340.0	1,721.0	1,602.6	118.39	14.537	
18,000.0	10,890.0	19,738.5	12,611.0	122.3	124.0	-180.00	-6,942.2	340.7	1,721.0	1,601.1	119.88	14.356	
18,100.0	10,890.0	19,838.5	12,611.0	123.9	125.6	-180.00	-7,042.2	341.5	1,721.0	1,599.6	121.38	14.179	
18,200.0	10,890.0	19,938.5	12,611.0	125.5	127.1	-180.00	-7,142.2	342.3	1,721.0	1,598.1	122.88	14.006	
18,300.0	10,890.0	20,038.5	12,611.0	127.0	128.7	-180.00	-7,242.1	343.0	1,721.0	1,596.6	124.38	13.837	
18,400.0	10,890.0	20,138.5	12,611.0	128.6	130.2	-180.00	-7,342.1	343.8	1,721.0	1,595.1	125.88	13.672	
18,500.0	10,890.0	20,238.5	12,611.0	130.2	131.8	-180.00	-7,442.1	344.6	1,721.0	1,593.6	127.38	13.510	
18,600.0	10,890.0	20,338.5	12,611.0	131.8	133.3	-180.00	-7,542.1	345.3	1,721.0	1,592.1	128.89	13.353	
18,700.0	10,890.0	20,438.5	12,611.0	133.3	134.9	-180.00	-7,642.1	346.1	1,721.0	1,590.6	130.40	13.198	
18,800.0	10,890.0	20,538.5	12,611.0	134.9	136.4	-180.00	-7,742.1	346.9	1,721.0	1,589.1	131.90	13.047	
18,900.0	10,890.0	20,638.5	12,611.0	136.5	138.0	-180.00	-7,842.1	347.6	1,721.0	1,587.6	133.41	12.900	
19,000.0	10,890.0	20,738.5	12,611.0	138.1	139.6	-180.00	-7,942.1	348.4	1,721.0	1,586.1	134.93	12.755	
19,100.0	10,890.0	20,838.5	12,611.0	139.7	141.1	-180.00	-8,042.1	349.1	1,721.0	1,584.6	136.44	12.614	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #225H - 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	10,890.0	20,938.5	12,611.0	141.3	142.7	-180.00	-8,142.1	349.9	1,721.0	1,583.0	137.95	12.475	
19,300.0	10,890.0	21,038.5	12,611.0	142.9	144.3	-180.00	-8,242.1	350.7	1,721.0	1,581.5	139.47	12.340	
19,400.0	10,890.0	21,138.5	12,611.0	144.4	145.8	-180.00	-8,342.1	351.4	1,721.0	1,580.0	140.98	12.207	
19,500.0	10,890.0	21,238.5	12,611.0	146.0	147.4	-180.00	-8,442.1	352.2	1,721.0	1,578.5	142.50	12.077	
19,600.0	10,890.0	21,338.5	12,611.0	147.6	149.0	-180.00	-8,542.1	353.0	1,721.0	1,577.0	144.02	11.950	
19,700.0	10,890.0	21,438.5	12,611.0	149.2	150.6	-180.00	-8,642.1	353.7	1,721.0	1,575.5	145.54	11.825	
19,800.0	10,890.0	21,538.5	12,611.0	150.8	152.1	-180.00	-8,742.1	354.5	1,721.0	1,573.9	147.06	11.703	
19,900.0	10,890.0	21,638.5	12,611.0	152.4	153.7	-180.00	-8,842.1	355.2	1,721.0	1,572.4	148.58	11.583	
20,000.0	10,890.0	21,738.5	12,611.0	154.0	155.3	-180.00	-8,942.1	356.0	1,721.0	1,570.9	150.10	11.466	
20,100.0	10,890.0	21,838.5	12,611.0	155.6	156.9	-180.00	-9,042.1	356.8	1,721.0	1,569.4	151.62	11.350	
20,200.0	10,890.0	21,938.5	12,611.0	157.2	158.5	-180.00	-9,142.1	357.5	1,721.0	1,567.9	153.15	11.237	
20,300.0	10,890.0	22,038.5	12,611.0	158.8	160.1	180.00	-9,242.1	358.3	1,721.0	1,566.3	154.67	11.127	
20,400.0	10,890.0	22,138.5	12,611.0	160.4	161.6	180.00	-9,342.1	359.1	1,721.0	1,564.8	156.20	11.018	
20,500.0	10,890.0	22,238.5	12,611.0	162.0	163.2	180.00	-9,442.1	359.8	1,721.0	1,563.3	157.73	10.911	
20,600.0	10,890.0	22,338.5	12,611.0	163.6	164.8	180.00	-9,542.1	360.6	1,721.0	1,561.7	159.26	10.807	
20,700.0	10,890.0	22,438.5	12,611.0	165.2	166.4	180.00	-9,642.1	361.4	1,721.0	1,560.2	160.78	10.704	
20,800.0	10,890.0	22,538.5	12,611.0	166.9	168.0	180.00	-9,742.1	362.1	1,721.0	1,558.7	162.31	10.603	
20,900.0	10,890.0	22,638.5	12,611.0	168.5	169.6	180.00	-9,842.1	362.9	1,721.0	1,557.2	163.84	10.504	
21,000.0	10,890.0	22,738.5	12,611.0	170.1	171.2	180.00	-9,942.1	363.6	1,721.0	1,555.6	165.37	10.407	
21,002.9	10,890.0	22,741.4	12,611.0	170.1	171.2	180.00	-9,945.0	363.7	1,721.0	1,555.6	165.42	10.404	
21,100.0	10,890.0	22,785.1	12,611.0	171.7	171.9	180.00	-9,988.7	364.0	1,721.8	1,555.7	166.10	10.367	
21,187.1	10,890.0	22,785.1	12,611.0	173.1	171.9	180.00	-9,988.7	364.0	1,726.7	1,560.9	165.87	10.410	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #241H - 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	2.0	2.0	0.0	0.0	89.59	0.7	90.0	90.0				
100.0	100.0	102.0	102.0	0.1	0.1	89.59	0.7	90.0	90.0	89.8	0.26	341.639	
200.0	200.0	202.0	202.0	0.5	0.5	89.59	0.7	90.0	90.0	89.0	0.98	91.812	
300.0	300.0	302.0	302.0	0.8	0.9	89.59	0.7	90.0	90.0	88.3	1.70	53.032	
400.0	400.0	402.0	402.0	1.2	1.2	89.59	0.7	90.0	90.0	87.6	2.41	37.284	
500.0	500.0	502.0	502.0	1.6	1.6	89.59	0.7	90.0	90.0	86.9	3.13	28.747	
600.0	600.0	602.0	602.0	1.9	1.9	89.59	0.7	90.0	90.0	86.2	3.85	23.391	
700.0	700.0	702.0	702.0	2.3	2.3	89.59	0.7	90.0	90.0	85.4	4.57	19.718	
800.0	800.0	802.0	802.0	2.6	2.6	89.59	0.7	90.0	90.0	84.7	5.28	17.041	
900.0	900.0	902.0	902.0	3.0	3.0	89.59	0.7	90.0	90.0	84.0	6.00	15.005	
1,000.0	1,000.0	1,002.0	1,002.0	3.4	3.4	89.59	0.7	90.0	90.0	83.3	6.72	13.403	
1,100.0	1,100.0	1,102.0	1,102.0	3.7	3.7	89.59	0.7	90.0	90.0	82.6	7.43	12.110	
1,200.0	1,200.0	1,202.0	1,202.0	4.1	4.1	89.59	0.7	90.0	90.0	81.9	8.15	11.045	
1,300.0	1,300.0	1,302.0	1,302.0	4.4	4.4	89.59	0.7	90.0	90.0	81.1	8.87	10.152	
1,400.0	1,400.0	1,402.0	1,402.0	4.8	4.8	89.59	0.7	90.0	90.0	80.4	9.58	9.392	
1,500.0	1,500.0	1,502.0	1,502.0	5.1	5.2	89.59	0.7	90.0	90.0	79.7	10.30	8.739	
1,600.0	1,600.0	1,602.1	1,602.1	5.5	5.5	89.01	1.6	89.9	90.0	78.9	11.02	8.165	
1,700.0	1,700.0	1,702.1	1,702.1	5.9	5.9	87.32	4.2	89.8	89.9	78.1	11.73	7.657	
1,757.4	1,757.4	1,759.5	1,759.4	6.1	6.1	85.84	6.5	89.6	89.8	77.7	12.14	7.396	CC
1,800.0	1,800.0	1,802.0	1,801.9	6.2	6.2	84.52	8.6	89.4	89.8	77.4	12.45	7.217	
1,900.0	1,900.0	1,901.8	1,901.4	6.6	6.6	80.63	14.7	89.0	90.2	77.0	13.17	6.851	ES
2,000.0	2,000.0	2,001.2	2,000.6	6.9	6.9	75.72	22.5	88.4	91.3	77.4	13.88	6.574	
2,100.0	2,100.0	2,100.4	2,099.3	7.3	7.3	69.96	32.0	87.7	93.4	78.8	14.60	6.401	
2,200.0	2,200.0	2,199.2	2,197.5	7.7	7.7	63.60	43.2	86.9	97.2	81.8	15.31	6.346	
2,300.0	2,300.0	2,302.4	2,295.0	8.0	8.0	56.96	55.9	86.0	102.8	86.8	16.03	6.414	
2,400.0	2,400.0	2,403.4	2,393.1	8.4	8.4	50.66	69.7	85.0	110.3	93.5	16.75	6.584	
2,500.0	2,500.0	2,504.3	2,491.2	8.7	8.8	45.20	83.4	84.0	118.9	101.4	17.46	6.807	
2,600.0	2,600.0	2,605.3	2,589.2	9.1	9.2	40.50	97.2	83.0	128.4	110.2	18.18	7.063	
2,700.0	2,700.0	2,706.3	2,687.3	9.4	9.6	36.48	110.9	82.0	138.7	119.8	18.90	7.339	
2,800.0	2,800.0	2,792.7	2,785.4	9.8	9.9	33.02	124.7	81.0	149.6	130.0	19.57	7.646	
2,900.0	2,900.0	2,908.2	2,883.4	10.2	10.4	30.03	138.4	80.0	160.9	140.6	20.34	7.913	
3,000.0	3,000.0	2,990.8	2,981.5	10.5	10.7	27.44	152.2	79.0	172.7	151.7	20.99	8.226	
3,100.0	3,100.0	3,089.9	3,079.6	10.9	11.1	-11.50	165.9	78.0	183.8	162.1	21.70	8.471	
3,200.0	3,200.0	3,189.2	3,177.9	11.2	11.5	-13.64	179.7	77.0	193.6	171.2	22.41	8.638	
3,300.0	3,299.9	3,288.6	3,276.4	11.6	11.9	-15.71	193.5	76.0	201.9	178.8	23.12	8.732	
3,400.0	3,399.7	3,388.1	3,374.9	11.9	12.3	-17.75	207.3	75.0	208.8	185.0	23.84	8.762	
3,500.0	3,499.4	3,487.6	3,473.4	12.3	12.7	-19.82	221.1	74.0	214.4	189.8	24.55	8.733	
3,600.0	3,598.9	3,587.2	3,572.1	12.7	13.1	-21.96	234.9	73.0	218.6	193.3	25.26	8.652	
3,700.0	3,698.3	3,686.8	3,670.7	13.0	13.5	-24.19	248.8	72.0	221.5	195.5	25.98	8.525	
3,800.0	3,797.4	3,786.3	3,769.3	13.4	13.9	-26.57	262.6	71.0	223.1	196.4	26.69	8.359	
3,900.0	3,896.4	3,885.8	3,867.8	13.8	14.3	-29.01	276.4	70.0	224.4	197.0	27.41	8.188	
4,000.0	3,995.5	3,985.4	3,966.4	14.1	14.7	-31.43	290.2	69.0	226.1	198.0	28.13	8.038	
4,100.0	4,094.5	4,084.9	4,064.9	14.5	15.1	-33.81	304.0	68.0	228.2	199.3	28.85	7.909	
4,200.0	4,193.5	4,184.4	4,163.5	14.9	15.5	-36.14	317.8	67.0	230.7	201.1	29.58	7.798	
4,300.0	4,292.5	4,284.0	4,262.1	15.2	15.9	-38.42	331.7	66.0	233.5	203.2	30.31	7.703	
4,400.0	4,391.6	4,385.0	4,362.1	15.6	16.3	-40.67	345.6	65.0	236.7	205.6	31.07	7.616	
4,500.0	4,490.6	4,491.2	4,467.5	16.0	16.7	-42.99	358.2	64.0	238.2	206.3	31.90	7.469	
4,600.0	4,589.6	4,597.3	4,573.3	16.4	17.1	-45.34	367.9	63.3	237.4	204.7	32.70	7.259	
4,700.0	4,688.6	4,703.3	4,679.0	16.8	17.5	-47.78	374.6	62.8	234.1	200.6	33.48	6.993	
4,800.0	4,787.7	4,809.0	4,784.6	17.2	17.9	-50.41	378.4	62.6	228.5	194.3	34.23	6.675	
4,900.0	4,886.7	4,913.1	4,888.7	17.5	18.2	-53.27	379.4	62.5	220.8	185.8	34.97	6.312	
5,000.0	4,985.7	5,012.1	4,987.7	17.9	18.6	-56.26	379.4	62.5	212.7	176.9	35.73	5.952	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #241H - 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
5,100.0	5,084.8	5,111.1	5,086.8	18.3	18.9	-59.47	379.4	62.5	205.2	168.7	36.50	5.622	
5,200.0	5,183.8	5,210.2	5,185.8	18.7	19.3	-62.90	379.4	62.5	198.5	161.2	37.28	5.324	
5,300.0	5,282.8	5,309.2	5,284.8	19.1	19.6	-66.57	379.4	62.5	192.5	154.4	38.06	5.057	
5,400.0	5,381.8	5,408.2	5,383.8	19.5	19.9	-70.44	379.4	62.5	187.3	148.5	38.85	4.821	
5,500.0	5,480.9	5,507.2	5,482.9	19.9	20.3	-74.51	379.4	62.5	183.1	143.4	39.65	4.618	
5,600.0	5,579.9	5,606.3	5,581.9	20.3	20.6	-78.75	379.4	62.5	179.8	139.4	40.45	4.446	
5,700.0	5,678.9	5,705.3	5,680.9	20.7	20.9	-83.11	379.4	62.5	177.6	136.4	41.25	4.306	
5,800.0	5,777.9	5,804.3	5,779.9	21.1	21.3	-87.56	379.4	62.5	176.5	134.4	42.04	4.198	
5,854.5	5,832.0	5,858.3	5,834.0	21.3	21.5	-90.00	379.4	62.5	176.3	133.8	42.47	4.151	
5,900.0	5,877.0	5,903.3	5,879.0	21.5	21.6	-92.03	379.4	62.5	176.4	133.6	42.83	4.119	
6,000.0	5,976.0	6,002.4	5,978.0	21.9	22.0	-96.49	379.4	62.5	177.5	133.9	43.61	4.070	
6,100.0	6,075.0	6,101.4	6,077.0	22.3	22.3	-100.86	379.4	62.5	179.6	135.2	44.37	4.048	
6,200.0	6,174.0	6,200.4	6,176.0	22.7	22.6	-105.11	379.4	62.5	182.8	137.6	45.12	4.050	
6,300.0	6,273.1	6,300.5	6,275.1	23.1	23.0	-109.20	379.4	62.5	186.9	141.0	45.87	4.075	
6,400.0	6,372.1	6,401.5	6,374.1	23.5	23.3	-113.09	379.4	62.5	192.0	145.4	46.60	4.120	
6,500.0	6,471.1	6,502.5	6,473.1	23.9	23.7	-116.77	379.4	62.5	197.9	150.6	47.32	4.182	
6,557.1	6,527.6	6,554.0	6,529.6	24.1	23.9	-118.77	379.4	62.5	201.6	153.9	47.71	4.226	
6,600.0	6,570.2	6,603.4	6,572.2	24.3	24.0	-120.21	379.4	62.5	204.5	156.4	48.03	4.257	
6,700.0	6,669.5	6,704.1	6,671.5	24.7	24.4	-122.98	379.4	62.5	210.5	161.8	48.74	4.319	
6,800.0	6,769.1	6,804.5	6,771.1	25.1	24.7	-125.02	379.4	62.5	215.5	166.1	49.44	4.359	
6,900.0	6,868.9	6,904.7	6,870.9	25.4	25.1	-126.41	379.4	62.5	219.2	169.0	50.13	4.372	
7,000.0	6,968.8	7,004.8	6,970.8	25.8	25.4	-127.20	379.4	62.5	221.4	170.6	50.83	4.356	
7,090.4	7,059.2	7,085.6	7,061.2	26.1	25.7	-90.78	379.4	62.5	222.0	170.6	51.42	4.318	
7,100.0	7,068.8	7,104.8	7,070.8	26.1	25.8	-90.78	379.4	62.5	222.0	170.5	51.52	4.310	
7,200.0	7,168.8	7,204.8	7,170.8	26.5	26.1	-90.78	379.4	62.5	222.0	169.8	52.21	4.252	
7,300.0	7,268.8	7,304.8	7,270.8	26.8	26.5	-90.78	379.4	62.5	222.0	169.1	52.91	4.197	
7,400.0	7,368.8	7,404.8	7,370.8	27.2	26.8	-90.78	379.4	62.5	222.0	168.4	53.60	4.142	
7,500.0	7,468.8	7,504.8	7,470.8	27.5	27.2	-90.78	379.4	62.5	222.0	167.7	54.30	4.089	
7,600.0	7,568.8	7,604.8	7,570.8	27.8	27.5	-90.78	379.4	62.5	222.0	167.0	55.00	4.037	
7,700.0	7,668.8	7,704.8	7,670.8	28.2	27.9	-90.78	379.4	62.5	222.0	166.3	55.69	3.987	
7,800.0	7,768.8	7,804.8	7,770.8	28.5	28.2	-90.78	379.4	62.5	222.0	165.6	56.39	3.937	
7,900.0	7,868.8	7,904.8	7,870.8	28.9	28.6	-90.78	379.4	62.5	222.0	164.9	57.09	3.889	
8,000.0	7,968.8	8,004.8	7,970.8	29.2	28.9	-90.78	379.4	62.5	222.0	164.2	57.79	3.842	
8,100.0	8,068.8	8,104.8	8,070.8	29.6	29.3	-90.78	379.4	62.5	222.0	163.5	58.49	3.796	
8,200.0	8,168.8	8,204.8	8,170.8	29.9	29.6	-90.78	379.4	62.5	222.0	162.8	59.18	3.752	
8,300.0	8,268.8	8,304.8	8,270.8	30.3	30.0	-90.78	379.4	62.5	222.0	162.1	59.88	3.708	
8,400.0	8,368.8	8,404.8	8,370.8	30.6	30.3	-90.78	379.4	62.5	222.0	161.4	60.58	3.665	
8,500.0	8,468.8	8,504.8	8,470.8	30.9	30.7	-90.78	379.4	62.5	222.0	160.7	61.28	3.623	
8,600.0	8,568.8	8,604.8	8,570.8	31.3	31.0	-90.78	379.4	62.5	222.0	160.0	61.99	3.582	
8,700.0	8,668.8	8,704.8	8,670.8	31.6	31.4	-90.78	379.4	62.5	222.0	159.3	62.69	3.542	
8,800.0	8,768.8	8,804.8	8,770.8	32.0	31.7	-90.78	379.4	62.5	222.0	158.6	63.39	3.503	
8,900.0	8,868.8	8,904.8	8,870.8	32.3	32.1	-90.78	379.4	62.5	222.0	157.9	64.09	3.464	
9,000.0	8,968.8	9,004.8	8,970.8	32.7	32.4	-90.78	379.4	62.5	222.0	157.2	64.79	3.427	
9,100.0	9,068.8	9,104.8	9,070.8	33.0	32.8	-90.78	379.4	62.5	222.0	156.5	65.49	3.390	
9,200.0	9,168.8	9,204.8	9,170.8	33.4	33.1	-90.78	379.4	62.5	222.0	155.8	66.20	3.354	
9,300.0	9,268.8	9,304.8	9,270.8	33.7	33.5	-90.78	379.4	62.5	222.0	155.1	66.90	3.319	
9,400.0	9,368.8	9,404.8	9,370.8	34.1	33.8	-90.78	379.4	62.5	222.0	154.4	67.60	3.284	
9,500.0	9,468.8	9,504.8	9,470.8	34.4	34.2	-90.78	379.4	62.5	222.0	153.7	68.31	3.250	
9,600.0	9,568.8	9,604.8	9,570.8	34.8	34.5	-90.78	379.4	62.5	222.0	153.0	69.01	3.217	
9,700.0	9,668.8	9,704.8	9,670.8	35.1	34.9	-90.78	379.4	62.5	222.0	152.3	69.72	3.185	
9,800.0	9,768.8	9,804.8	9,770.8	35.5	35.3	-90.78	379.4	62.5	222.0	151.6	70.42	3.153	
9,900.0	9,868.8	9,904.8	9,870.8	35.8	35.6	-90.78	379.4	62.5	222.0	150.9	71.12	3.122	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #241H - 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
10,000.0	9,968.8	10,004.8	9,970.8	36.2	36.0	-90.78	379.4	62.5	222.0	150.2	71.83	3.091	
10,100.0	10,068.8	10,104.8	10,070.8	36.5	36.3	-90.78	379.4	62.5	222.0	149.5	72.53	3.061	
10,200.0	10,168.8	10,204.8	10,170.8	36.9	36.7	-90.78	379.4	62.5	222.0	148.8	73.24	3.032	
10,300.0	10,268.8	10,304.8	10,270.8	37.2	37.0	-90.78	379.4	62.5	222.0	148.1	73.95	3.003	
10,348.2	10,317.0	10,343.4	10,319.0	37.4	37.2	-90.78	379.4	62.5	222.0	147.8	74.25	2.990	
10,350.0	10,318.8	10,345.2	10,320.8	37.4	37.2	89.66	379.4	62.5	222.0	147.8	74.26	2.990	
10,387.2	10,356.0	10,382.4	10,358.0	37.5	37.3	90.00	379.4	62.5	222.0	147.5	74.51	2.980	
10,400.0	10,368.8	10,404.8	10,370.8	37.6	37.4	90.26	379.4	62.5	222.0	147.4	74.64	2.975	
10,450.0	10,418.3	10,444.7	10,420.3	37.7	37.5	91.96	379.4	62.5	222.2	147.2	74.94	2.965	
10,500.0	10,467.1	10,506.5	10,469.1	37.8	37.7	94.64	379.4	62.5	222.8	147.5	75.31	2.958	SF
10,550.0	10,514.7	10,541.1	10,516.7	38.0	37.9	98.15	379.4	62.5	224.6	149.0	75.58	2.971	
10,600.0	10,560.8	10,587.2	10,562.8	38.1	38.0	102.22	379.4	62.5	228.3	152.4	75.88	3.009	
10,650.0	10,605.1	10,631.5	10,607.1	38.2	38.2	106.56	379.4	62.5	234.8	158.6	76.16	3.083	
10,700.0	10,647.1	10,673.5	10,649.1	38.2	38.3	110.83	379.4	62.5	244.9	168.5	76.40	3.205	
10,750.0	10,686.7	10,713.1	10,688.7	38.3	38.5	114.74	379.4	62.5	259.3	182.7	76.61	3.384	
10,800.0	10,723.4	10,749.8	10,725.4	38.4	38.6	118.04	379.4	62.5	278.3	201.5	76.79	3.624	
10,850.0	10,757.1	10,783.5	10,759.1	38.4	38.7	120.56	379.4	62.5	302.0	225.1	76.94	3.925	
10,900.0	10,787.4	10,813.8	10,789.4	38.5	38.8	122.16	379.4	62.5	330.3	253.2	77.06	4.286	
10,950.0	10,814.1	10,840.5	10,816.1	38.5	38.9	122.71	379.4	62.5	362.7	285.5	77.16	4.700	
11,000.0	10,837.1	10,863.4	10,839.1	38.5	39.0	122.05	379.4	62.5	398.7	321.5	77.24	5.162	
11,050.0	10,856.0	10,882.4	10,858.0	38.6	39.1	119.95	379.4	62.5	437.9	360.6	77.29	5.665	
11,100.0	10,870.9	10,902.7	10,872.9	38.6	39.1	116.09	379.4	62.5	479.6	402.3	77.35	6.201	
11,150.0	10,881.6	10,908.0	10,883.6	38.7	39.2	110.00	379.4	62.5	523.4	446.0	77.34	6.767	
11,200.0	10,887.9	10,914.3	10,889.9	38.8	39.2	101.20	379.4	62.5	568.7	491.3	77.34	7.352	
11,248.2	10,890.0	10,916.3	10,892.0	38.9	39.2	90.00	379.4	62.5	613.2	535.9	77.33	7.930	
11,300.0	10,890.0	10,916.3	10,892.0	39.0	39.2	90.00	379.4	62.5	661.8	584.5	77.31	8.561	
11,400.0	10,890.0	10,916.3	10,892.0	39.3	39.2	90.00	379.4	62.5	756.8	679.5	77.28	9.792	
11,500.0	10,890.0	10,916.3	10,892.0	39.6	39.2	90.00	379.4	62.5	852.9	775.6	77.27	11.038	
11,600.0	10,890.0	10,916.3	10,892.0	40.0	39.2	90.00	379.4	62.5	949.8	872.5	77.26	12.294	
11,700.0	10,890.0	10,916.3	10,892.0	40.5	39.2	90.00	379.4	62.5	1,047.3	970.0	77.25	13.557	
11,800.0	10,890.0	10,916.3	10,892.0	41.0	39.2	90.00	379.4	62.5	1,145.2	1,068.0	77.25	14.825	
11,900.0	10,890.0	10,916.3	10,892.0	41.6	39.2	90.00	379.4	62.5	1,243.5	1,166.2	77.25	16.096	
12,000.0	10,890.0	10,916.3	10,892.0	42.2	39.2	90.00	379.4	62.5	1,342.0	1,264.7	77.26	17.370	
12,100.0	10,890.0	10,916.3	10,892.0	42.9	39.2	90.00	379.4	62.5	1,440.7	1,363.4	77.26	18.646	
12,200.0	10,890.0	10,916.3	10,892.0	43.6	39.2	90.00	379.4	62.5	1,539.6	1,462.3	77.27	19.924	
12,300.0	10,890.0	10,916.3	10,892.0	44.4	39.2	90.00	379.4	62.5	1,638.6	1,561.3	77.28	21.202	
12,400.0	10,890.0	10,916.3	10,892.0	45.3	39.2	90.00	379.4	62.5	1,737.7	1,660.4	77.30	22.481	
12,500.0	10,890.0	10,916.3	10,892.0	46.2	39.2	90.00	379.4	62.5	1,836.9	1,759.6	77.31	23.761	
12,600.0	10,890.0	10,916.3	10,892.0	47.1	39.2	90.00	379.4	62.5	1,936.2	1,858.9	77.33	25.040	
12,700.0	10,890.0	10,916.3	10,892.0	48.0	39.2	90.00	379.4	62.5	2,035.6	1,958.3	77.34	26.320	
12,800.0	10,890.0	10,916.3	10,892.0	49.0	39.2	90.00	379.4	62.5	2,135.1	2,057.7	77.36	27.599	
12,900.0	10,890.0	10,916.3	10,892.0	50.1	39.2	90.00	379.4	62.5	2,234.5	2,157.2	77.38	28.878	
13,000.0	10,890.0	10,916.3	10,892.0	51.1	39.2	90.00	379.4	62.5	2,334.1	2,256.7	77.40	30.156	
13,100.0	10,890.0	10,916.3	10,892.0	52.2	39.2	90.00	379.4	62.5	2,433.6	2,356.2	77.42	31.434	
13,200.0	10,890.0	10,916.3	10,892.0	53.3	39.2	90.00	379.4	62.5	2,533.2	2,455.8	77.44	32.711	
13,300.0	10,890.0	10,916.3	10,892.0	54.5	39.2	90.00	379.4	62.5	2,632.9	2,555.4	77.47	33.987	
13,400.0	10,890.0	10,916.4	10,892.0	55.7	39.2	90.00	379.4	62.5	2,732.5	2,655.0	77.49	35.262	
13,500.0	10,890.0	10,916.4	10,892.0	56.9	39.2	90.00	379.4	62.5	2,832.2	2,754.7	77.52	36.536	
13,600.0	10,890.0	16,430.9	13,722.0	58.1	65.0	173.34	-2,544.8	-23.3	2,849.2	2,787.2	62.03	45.934	
13,700.0	10,890.0	16,530.9	13,722.0	59.3	66.1	173.34	-2,644.8	-22.5	2,849.2	2,786.0	63.24	45.056	
13,800.0	10,890.0	16,630.9	13,722.0	60.6	67.2	173.34	-2,744.8	-21.7	2,849.2	2,784.7	64.46	44.200	
13,900.0	10,890.0	16,730.9	13,722.0	61.9	68.4	173.34	-2,844.8	-21.0	2,849.2	2,783.5	65.70	43.365	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #241H - 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	10,890.0	16,830.9	13,722.0	63.2	69.5	173.34	-2,944.8	-20.2	2,849.2	2,782.2	66.96	42.552	
14,100.0	10,890.0	16,930.9	13,722.0	64.5	70.7	173.34	-3,044.8	-19.4	2,849.2	2,781.0	68.23	41.760	
14,200.0	10,890.0	17,030.9	13,722.0	65.8	71.9	173.34	-3,144.8	-18.7	2,849.2	2,779.7	69.51	40.989	
14,300.0	10,890.0	17,130.9	13,722.0	67.2	73.2	173.34	-3,244.8	-17.9	2,849.2	2,778.4	70.81	40.238	
14,400.0	10,890.0	17,230.9	13,722.0	68.5	74.4	173.34	-3,344.8	-17.1	2,849.2	2,777.1	72.12	39.508	
14,500.0	10,890.0	17,330.9	13,722.0	69.9	75.6	173.34	-3,444.8	-16.4	2,849.2	2,775.8	73.44	38.798	
14,600.0	10,890.0	17,430.9	13,722.0	71.3	76.9	173.35	-3,544.8	-15.6	2,849.2	2,774.4	74.77	38.107	
14,700.0	10,890.0	17,530.9	13,722.0	72.7	78.2	173.35	-3,644.8	-14.8	2,849.2	2,773.1	76.11	37.436	
14,800.0	10,890.0	17,630.9	13,722.0	74.1	79.5	173.35	-3,744.8	-14.0	2,849.2	2,771.7	77.46	36.783	
14,900.0	10,890.0	17,730.9	13,722.0	75.5	80.8	173.35	-3,844.8	-13.3	2,849.2	2,770.4	78.82	36.148	
15,000.0	10,890.0	17,830.9	13,722.0	76.9	82.1	173.35	-3,944.8	-12.5	2,849.2	2,769.0	80.19	35.531	
15,100.0	10,890.0	17,930.9	13,722.0	78.3	83.5	173.35	-4,044.8	-11.7	2,849.2	2,767.6	81.57	34.931	
15,200.0	10,890.0	18,030.9	13,722.0	79.8	84.8	173.35	-4,144.8	-11.0	2,849.2	2,766.2	82.95	34.347	
15,300.0	10,890.0	18,130.9	13,722.0	81.2	86.2	173.35	-4,244.8	-10.2	2,849.2	2,764.8	84.35	33.780	
15,400.0	10,890.0	18,230.9	13,722.0	82.7	87.5	173.35	-4,344.8	-9.4	2,849.2	2,763.4	85.75	33.228	
15,500.0	10,890.0	18,330.9	13,722.0	84.1	88.9	173.35	-4,444.8	-8.6	2,849.2	2,762.0	87.15	32.692	
15,600.0	10,890.0	18,430.9	13,722.0	85.6	90.3	173.35	-4,544.8	-7.9	2,849.2	2,760.6	88.57	32.170	
15,700.0	10,890.0	18,530.9	13,722.0	87.1	91.7	173.35	-4,644.8	-7.1	2,849.2	2,759.2	89.99	31.662	
15,800.0	10,890.0	18,630.9	13,722.0	88.6	93.1	173.35	-4,744.8	-6.3	2,849.2	2,757.8	91.41	31.168	
15,900.0	10,890.0	18,730.9	13,722.0	90.1	94.5	173.35	-4,844.8	-5.6	2,849.2	2,756.3	92.85	30.687	
16,000.0	10,890.0	18,830.9	13,722.0	91.6	95.9	173.35	-4,944.8	-4.8	2,849.2	2,754.9	94.28	30.219	
16,100.0	10,890.0	18,930.9	13,722.0	93.1	97.4	173.35	-5,044.8	-4.0	2,849.2	2,753.5	95.73	29.764	
16,200.0	10,890.0	19,030.9	13,722.0	94.6	98.8	173.35	-5,144.7	-3.3	2,849.2	2,752.0	97.17	29.320	
16,300.0	10,890.0	19,130.9	13,722.0	96.1	100.2	173.35	-5,244.7	-2.5	2,849.2	2,750.6	98.63	28.889	
16,400.0	10,890.0	19,230.9	13,722.0	97.6	101.7	173.35	-5,344.7	-1.7	2,849.2	2,749.1	100.08	28.468	
16,500.0	10,890.0	19,330.9	13,722.0	99.1	103.1	173.35	-5,444.7	-0.9	2,849.2	2,747.6	101.55	28.058	
16,600.0	10,890.0	19,430.9	13,722.0	100.6	104.6	173.35	-5,544.7	-0.2	2,849.2	2,746.2	103.01	27.659	
16,700.0	10,890.0	19,530.9	13,722.0	102.2	106.1	173.35	-5,644.7	0.6	2,849.2	2,744.7	104.48	27.270	
16,800.0	10,890.0	19,630.9	13,722.0	103.7	107.5	173.35	-5,744.7	1.4	2,849.2	2,743.2	105.96	26.890	
16,900.0	10,890.0	19,730.9	13,722.0	105.2	109.0	173.35	-5,844.7	2.1	2,849.2	2,741.8	107.43	26.521	
17,000.0	10,890.0	19,830.9	13,722.0	106.8	110.5	173.35	-5,944.7	2.9	2,849.2	2,740.3	108.91	26.160	
17,100.0	10,890.0	19,930.9	13,722.0	108.3	112.0	173.35	-6,044.7	3.7	2,849.2	2,738.8	110.40	25.808	
17,200.0	10,890.0	20,030.9	13,722.0	109.9	113.5	173.35	-6,144.7	4.5	2,849.2	2,737.3	111.89	25.465	
17,300.0	10,890.0	20,130.9	13,722.0	111.4	115.0	173.35	-6,244.7	5.2	2,849.2	2,735.8	113.38	25.130	
17,400.0	10,890.0	20,230.9	13,722.0	112.9	116.4	173.35	-6,344.7	6.0	2,849.2	2,734.3	114.87	24.803	
17,500.0	10,890.0	20,330.9	13,722.0	114.5	118.0	173.35	-6,444.7	6.8	2,849.2	2,732.8	116.37	24.484	
17,600.0	10,890.0	20,430.9	13,722.0	116.1	119.5	173.35	-6,544.7	7.5	2,849.2	2,731.3	117.87	24.173	
17,700.0	10,890.0	20,530.9	13,722.0	117.6	121.0	173.35	-6,644.7	8.3	2,849.2	2,729.8	119.37	23.869	
17,800.0	10,890.0	20,630.9	13,722.0	119.2	122.5	173.35	-6,744.7	9.1	2,849.2	2,728.3	120.87	23.571	
17,900.0	10,890.0	20,730.9	13,722.0	120.7	124.0	173.35	-6,844.7	9.9	2,849.2	2,726.8	122.38	23.281	
18,000.0	10,890.0	20,830.9	13,722.0	122.3	125.5	173.35	-6,944.7	10.6	2,849.2	2,725.3	123.89	22.997	
18,100.0	10,890.0	20,930.9	13,722.0	123.9	127.0	173.35	-7,044.7	11.4	2,849.2	2,723.8	125.40	22.720	
18,200.0	10,890.0	21,030.9	13,722.0	125.5	128.6	173.35	-7,144.7	12.2	2,849.2	2,722.3	126.92	22.449	
18,300.0	10,890.0	21,130.9	13,722.0	127.0	130.1	173.35	-7,244.7	12.9	2,849.2	2,720.7	128.44	22.184	
18,400.0	10,890.0	21,230.9	13,722.0	128.6	131.6	173.35	-7,344.7	13.7	2,849.2	2,719.2	129.95	21.924	
18,500.0	10,890.0	21,330.9	13,722.0	130.2	133.2	173.35	-7,444.7	14.5	2,849.2	2,717.7	131.48	21.671	
18,600.0	10,890.0	21,430.9	13,722.0	131.8	134.7	173.35	-7,544.7	15.2	2,849.2	2,716.2	133.00	21.423	
18,700.0	10,890.0	21,530.9	13,722.0	133.3	136.3	173.35	-7,644.7	16.0	2,849.2	2,714.7	134.52	21.180	
18,800.0	10,890.0	21,630.9	13,722.0	134.9	137.8	173.35	-7,744.7	16.8	2,849.2	2,713.1	136.05	20.942	
18,900.0	10,890.0	21,730.9	13,722.0	136.5	139.3	173.35	-7,844.7	17.6	2,849.2	2,711.6	137.58	20.709	
19,000.0	10,890.0	21,830.9	13,722.0	138.1	140.9	173.35	-7,944.7	18.3	2,849.2	2,710.1	139.11	20.482	
19,100.0	10,890.0	21,930.9	13,722.0	139.7	142.4	173.35	-8,044.7	19.1	2,849.2	2,708.5	140.64	20.259	

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 Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #241H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

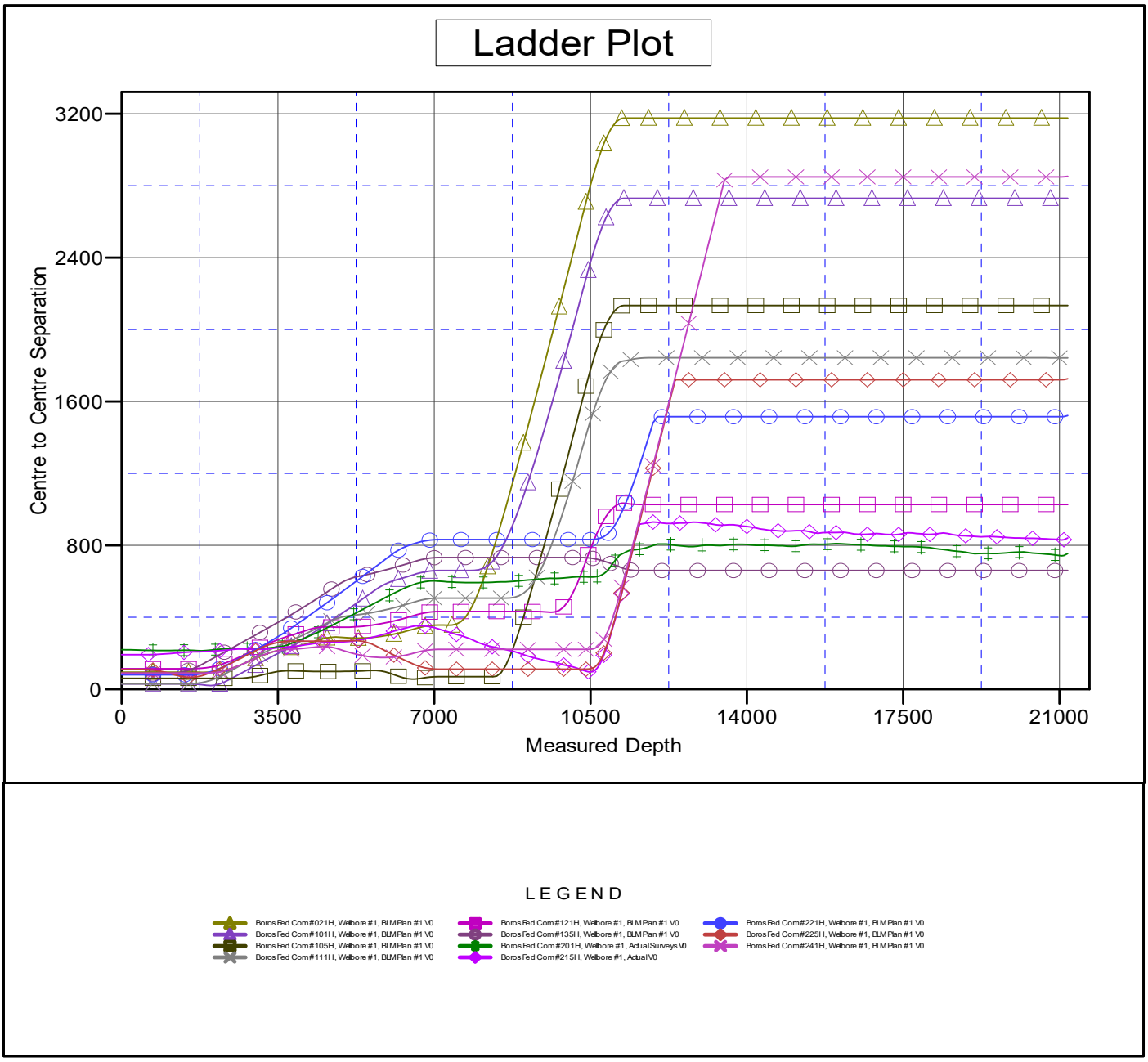
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	10,890.0	22,030.9	13,722.0	141.3	144.0	173.35	-8,144.7	19.9	2,849.2	2,707.0	142.17	20.040	
19,300.0	10,890.0	22,130.9	13,722.0	142.9	145.6	173.35	-8,244.7	20.6	2,849.2	2,705.5	143.71	19.826	
19,400.0	10,890.0	22,230.9	13,722.0	144.4	147.1	173.35	-8,344.7	21.4	2,849.2	2,703.9	145.25	19.616	
19,500.0	10,890.0	22,330.9	13,722.0	146.0	148.7	173.35	-8,444.7	22.2	2,849.2	2,702.4	146.78	19.411	
19,600.0	10,890.0	22,430.9	13,722.0	147.6	150.2	173.35	-8,544.6	23.0	2,849.2	2,700.9	148.32	19.209	
19,700.0	10,890.0	22,530.9	13,722.0	149.2	151.8	173.35	-8,644.6	23.7	2,849.2	2,699.3	149.86	19.012	
19,800.0	10,890.0	22,630.9	13,722.0	150.8	153.4	173.35	-8,744.6	24.5	2,849.2	2,697.8	151.41	18.818	
19,900.0	10,890.0	22,730.9	13,722.0	152.4	154.9	173.35	-8,844.6	25.3	2,849.2	2,696.2	152.95	18.628	
20,000.0	10,890.0	22,830.9	13,722.0	154.0	156.5	173.35	-8,944.6	26.0	2,849.2	2,694.7	154.49	18.442	
20,100.0	10,890.0	22,930.9	13,722.0	155.6	158.1	173.35	-9,044.6	26.8	2,849.2	2,693.1	156.04	18.259	
20,200.0	10,890.0	23,030.9	13,722.0	157.2	159.7	173.35	-9,144.6	27.6	2,849.2	2,691.6	157.59	18.080	
20,300.0	10,890.0	23,130.9	13,722.0	158.8	161.2	173.35	-9,244.6	28.3	2,849.2	2,690.0	159.13	17.904	
20,400.0	10,890.0	23,230.9	13,722.0	160.4	162.8	173.35	-9,344.6	29.1	2,849.2	2,688.5	160.68	17.731	
20,500.0	10,890.0	23,330.9	13,722.0	162.0	164.4	173.35	-9,444.6	29.9	2,849.2	2,686.9	162.23	17.562	
20,600.0	10,890.0	23,430.9	13,722.0	163.6	166.0	173.35	-9,544.6	30.7	2,849.2	2,685.4	163.79	17.396	
20,700.0	10,890.0	23,530.9	13,722.0	165.2	167.5	173.35	-9,644.6	31.4	2,849.2	2,683.8	165.34	17.232	
20,800.0	10,890.0	23,630.9	13,722.0	166.9	169.1	173.35	-9,744.6	32.2	2,849.2	2,682.3	166.89	17.072	
20,900.0	10,890.0	23,730.9	13,722.0	168.5	170.7	173.35	-9,844.6	33.0	2,849.2	2,680.7	168.45	16.914	
21,000.0	10,890.0	23,830.9	13,722.0	170.1	172.3	173.35	-9,944.6	33.7	2,849.2	2,679.2	170.00	16.760	
21,051.6	10,890.0	23,882.4	13,722.0	170.9	173.1	173.35	-9,996.2	34.1	2,849.2	2,678.4	170.80	16.681	
21,100.0	10,890.0	23,876.8	13,722.0	171.7	173.0	173.35	-9,990.6	34.1	2,849.7	2,678.8	170.88	16.676	
21,187.1	10,890.0	23,876.8	13,722.0	173.1	173.0	173.35	-9,990.6	34.1	2,852.7	2,681.6	171.06	16.677	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3258.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #131H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

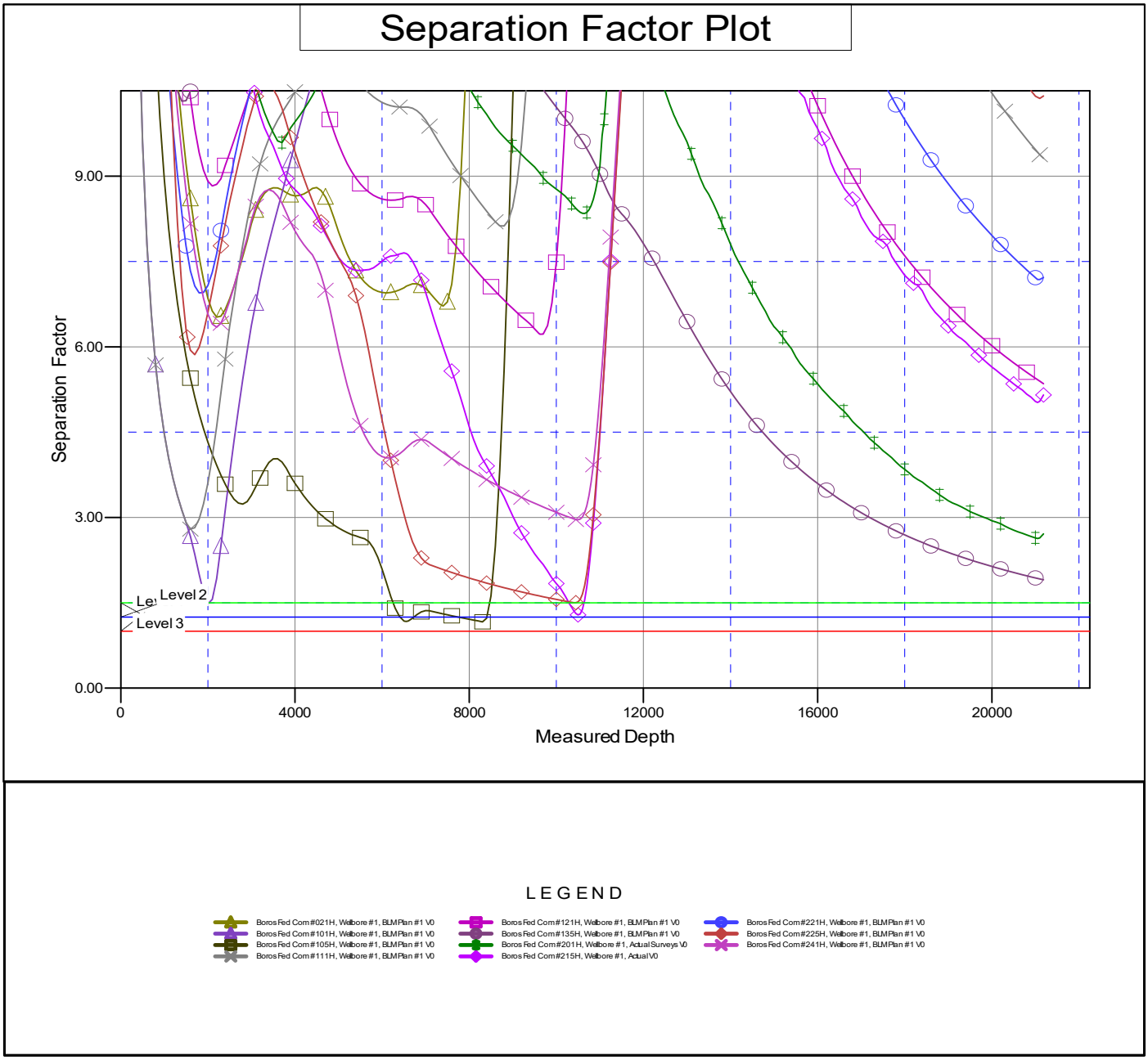


Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3258.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3258.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3258.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #131H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°



Company: Matador Production Company
Well: Boros Fed Com #131H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 9/10/2020

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 6.39°
To convert a Magnetic Direction to a True Direction, Add 6.68° East
To convert a True Direction to a Grid Direction, Subtract 0.30°

T G M

Azimuths to Grid North
True North: -0.30°
Magnetic North: 6.38°

Magnetic Field
Strength: 47483.1snT
Dip Angle: 59.83°
Date: 9/10/2020
Model: IGRF2015

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.0	21187.1	BLM Plan #1 (Wellbore #1)	MWD

WELL DETAILS: Boros Fed Com #131H

GL @ 3230.0 KB @ 3258.5usft

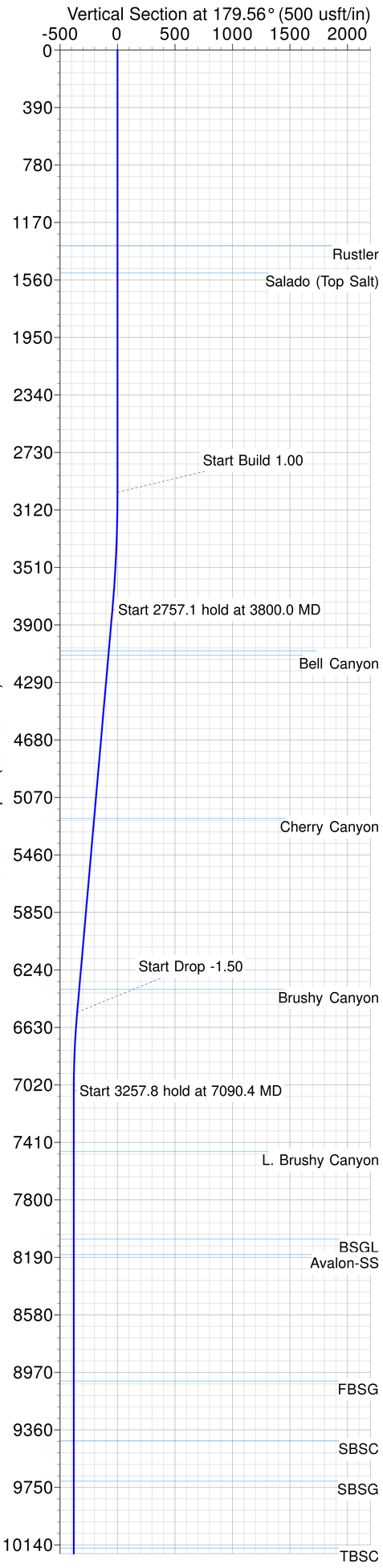
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	381937.60	673947.51	32° 2' 55.746 N	103° 46' 18.872 W	

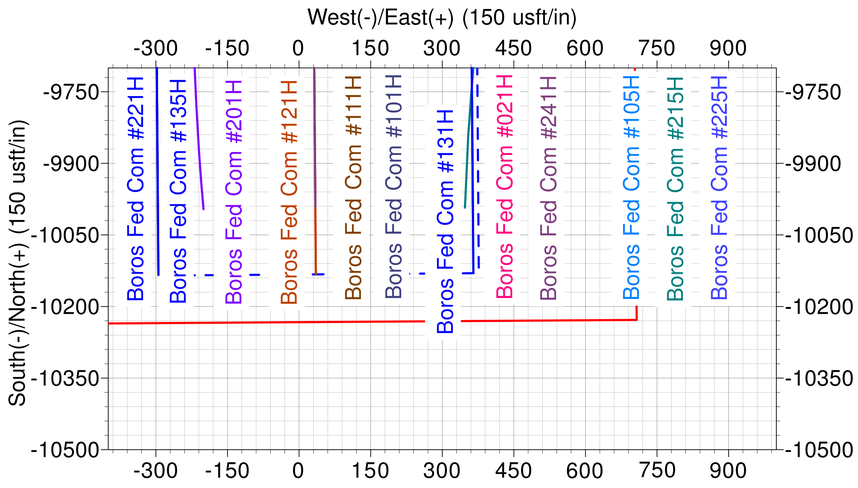
DESIGN TARGET DETAILS

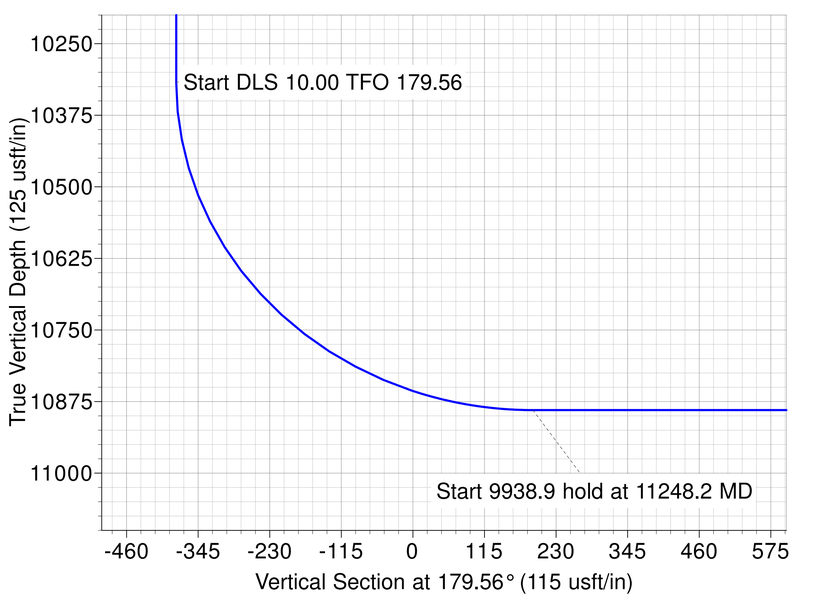
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Fed Com #131H	10317.0	382.4	284.5	382320.00	674232.00	32° 2' 59.515 N	103° 46' 15.544 W
BHL - Boros Fed Com #131H	10890.0	-10129.2	365.1	371807.73	674312.64	32° 1' 15.479 N	103° 46' 15.243 W

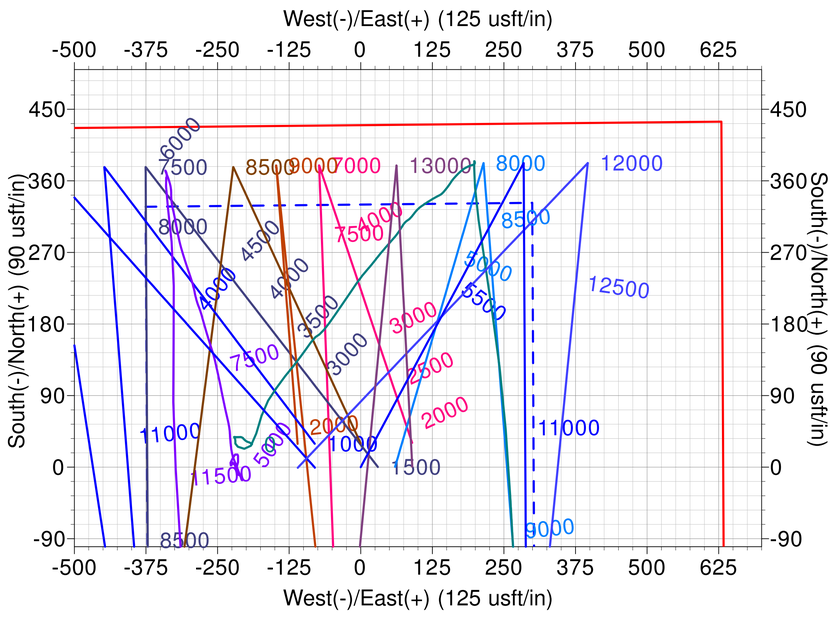
SECTION DETAILS

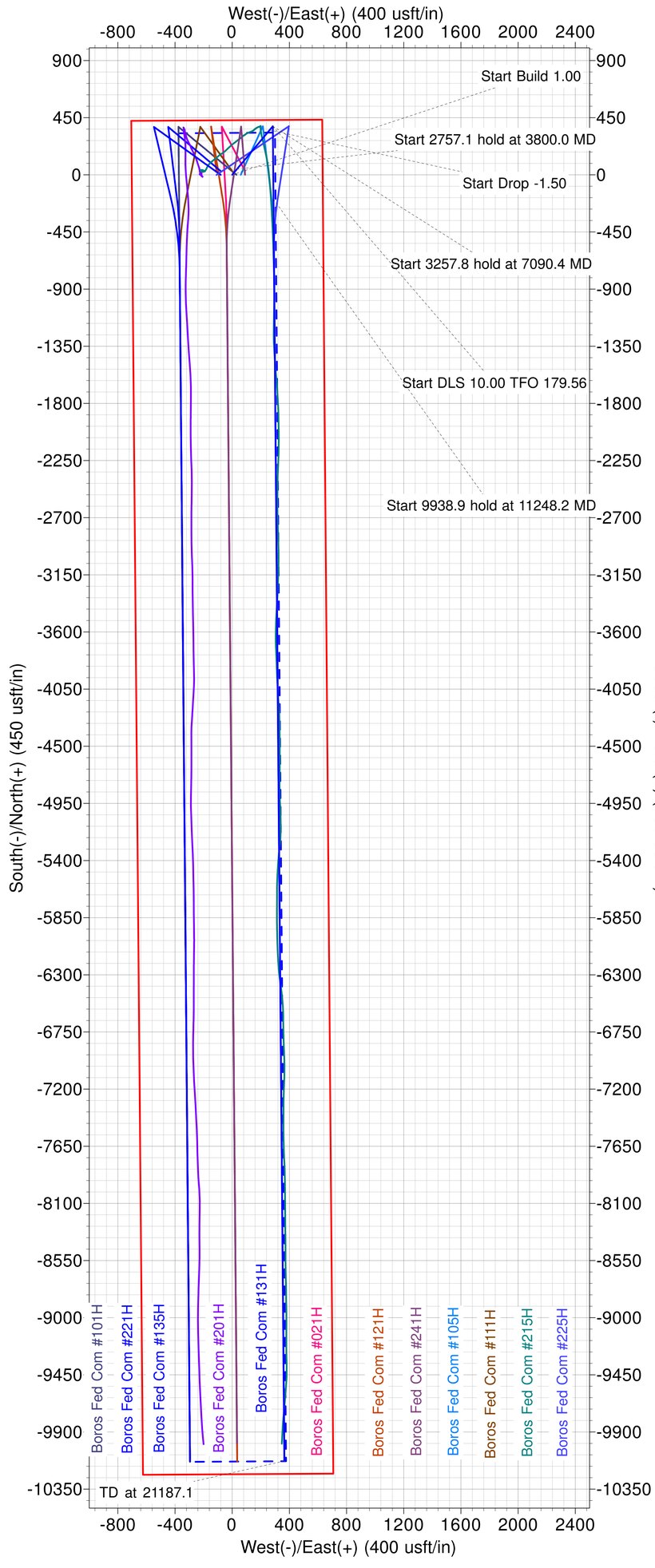
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
3800.0	8.00	36.65	3797.4	44.7	33.3	1.00	36.65	-44.5	Start 2757.1 hold at 3800.0 MD
6557.1	8.00	36.65	6527.6	352.6	262.3	0.00	0.00	-350.6	Start Drop -1.50
7090.4	0.00	0.00	7059.2	382.4	284.5	1.50	180.00	-380.2	Start 3257.8 hold at 7090.4 MD
10348.2	0.00	0.00	10317.0	382.4	284.5	0.00	0.00	-380.2	Start DLS 10.00 TFO 179.56
11248.2	90.00	179.56	10890.0	-190.5	288.9	10.00	179.56	192.7	Start 9938.9 hold at 11248.2 MD
21187.1	90.00	179.56	10890.0	-10129.2	365.1	0.00	0.00	10131.7	TD at 21187.1

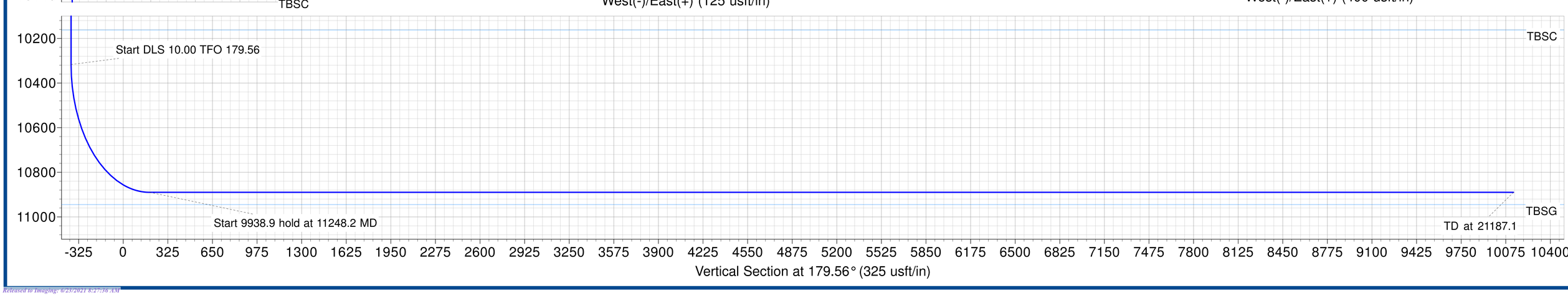












Matador Production Company

Rustler Breaks
Boros
Boros Fed Com #131H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

10 September, 2020

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Project Rustler Breaks,

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site Boros

Site Position:		**Northing:**	381,953.36 usft	**Latitude:**	32° 2' 55.786 N
From:	Lat/Long	**Easting:**	676,179.89 usft	**Longitude:**	103° 45' 52.934 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.30 °

Well Boros Fed Com #131H

Well Position	**+N/-S**	-15.8 usft	**Northing:**	381,937.60 usft	**Latitude:**	32° 2' 55.746 N
	+E/-W	-2,232.5 usft	**Easting:**	673,947.50 usft	**Longitude:**	103° 46' 18.872 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,230.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/10/2020	6.68	59.83	47,483.11401843

Design BLM Plan #1

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	179.56

Plan Survey Tool Program **Date** 9/10/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,187.1	BLM Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,800.0	8.00	36.65	3,797.4	44.7	33.3	1.00	1.00	0.00	36.65	
6,557.1	8.00	36.65	6,527.6	352.6	262.3	0.00	0.00	0.00	0.00	
7,090.4	0.00	0.00	7,059.2	382.4	284.5	1.50	-1.50	0.00	180.00	
10,348.2	0.00	0.00	10,317.0	382.4	284.5	0.00	0.00	0.00	0.00	VP - Boros Fed Cor
11,248.2	90.00	179.56	10,890.0	-190.5	288.9	10.00	10.00	19.95	179.56	
21,187.1	90.00	179.56	10,890.0	-10,129.2	365.1	0.00	0.00	0.00	0.00	BHL - Boros Fed Co

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
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
1,328.6	0.00	0.00	1,328.6	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
1,512.7	0.00	0.00	1,512.7	0.0	0.0	0.0	0.00	0.00	0.00
Salado (Top Salt)									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
3,100.0	1.00	36.65	3,100.0	0.7	0.5	-0.7	1.00	1.00	0.00
3,200.0	2.00	36.65	3,200.0	2.8	2.1	-2.8	1.00	1.00	0.00
3,300.0	3.00	36.65	3,299.9	6.3	4.7	-6.3	1.00	1.00	0.00
3,400.0	4.00	36.65	3,399.7	11.2	8.3	-11.1	1.00	1.00	0.00
3,500.0	5.00	36.65	3,499.4	17.5	13.0	-17.4	1.00	1.00	0.00
3,600.0	6.00	36.65	3,598.9	25.2	18.7	-25.0	1.00	1.00	0.00
3,700.0	7.00	36.65	3,698.3	34.3	25.5	-34.1	1.00	1.00	0.00
3,800.0	8.00	36.65	3,797.4	44.7	33.3	-44.5	1.00	1.00	0.00
Start 2757.1 hold at 3800.0 MD									
3,900.0	8.00	36.65	3,896.4	55.9	41.6	-55.6	0.00	0.00	0.00
4,000.0	8.00	36.65	3,995.5	67.1	49.9	-66.7	0.00	0.00	0.00
4,080.8	8.00	36.65	4,075.5	76.1	56.6	-75.7	0.00	0.00	0.00
Base Salt									
4,100.0	8.00	36.65	4,094.5	78.2	58.2	-77.8	0.00	0.00	0.00
4,111.4	8.00	36.65	4,105.8	79.5	59.2	-79.1	0.00	0.00	0.00
Bell Canyon									
4,200.0	8.00	36.65	4,193.5	89.4	66.5	-88.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.0	8.00	36.65	4,292.5	100.6	74.8	-100.0	0.00	0.00	0.00
4,400.0	8.00	36.65	4,391.6	111.7	83.1	-111.1	0.00	0.00	0.00
4,500.0	8.00	36.65	4,490.6	122.9	91.4	-122.2	0.00	0.00	0.00
4,600.0	8.00	36.65	4,589.6	134.1	99.7	-133.3	0.00	0.00	0.00
4,700.0	8.00	36.65	4,688.6	145.2	108.0	-144.4	0.00	0.00	0.00
4,800.0	8.00	36.65	4,787.7	156.4	116.4	-155.5	0.00	0.00	0.00
4,900.0	8.00	36.65	4,886.7	167.6	124.7	-166.6	0.00	0.00	0.00
5,000.0	8.00	36.65	4,985.7	178.7	133.0	-177.7	0.00	0.00	0.00
5,100.0	8.00	36.65	5,084.8	189.9	141.3	-188.8	0.00	0.00	0.00
5,200.0	8.00	36.65	5,183.8	201.1	149.6	-199.9	0.00	0.00	0.00
5,229.9	8.00	36.65	5,213.4	204.4	152.1	-203.2	0.00	0.00	0.00
Cherry Canyon									
5,300.0	8.00	36.65	5,282.8	212.2	157.9	-211.0	0.00	0.00	0.00
5,400.0	8.00	36.65	5,381.8	223.4	166.2	-222.1	0.00	0.00	0.00
5,500.0	8.00	36.65	5,480.9	234.6	174.5	-233.2	0.00	0.00	0.00
5,600.0	8.00	36.65	5,579.9	245.7	182.8	-244.3	0.00	0.00	0.00
5,700.0	8.00	36.65	5,678.9	256.9	191.1	-255.4	0.00	0.00	0.00
5,800.0	8.00	36.65	5,777.9	268.1	199.4	-266.5	0.00	0.00	0.00
5,900.0	8.00	36.65	5,877.0	279.2	207.7	-277.6	0.00	0.00	0.00
6,000.0	8.00	36.65	5,976.0	290.4	216.0	-288.7	0.00	0.00	0.00
6,100.0	8.00	36.65	6,075.0	301.6	224.3	-299.8	0.00	0.00	0.00
6,200.0	8.00	36.65	6,174.0	312.7	232.7	-310.9	0.00	0.00	0.00
6,300.0	8.00	36.65	6,273.1	323.9	241.0	-322.0	0.00	0.00	0.00
6,398.9	8.00	36.65	6,371.1	334.9	249.2	-333.0	0.00	0.00	0.00
Brushy Canyon									
6,400.0	8.00	36.65	6,372.1	335.1	249.3	-333.1	0.00	0.00	0.00
6,500.0	8.00	36.65	6,471.1	346.2	257.6	-344.2	0.00	0.00	0.00
6,557.1	8.00	36.65	6,527.6	352.6	262.3	-350.6	0.00	0.00	0.00
Start Drop -1.50									
6,600.0	7.36	36.65	6,570.2	357.2	265.7	-355.1	1.50	-1.50	0.00
6,700.0	5.86	36.65	6,669.5	366.4	272.6	-364.3	1.50	-1.50	0.00
6,800.0	4.36	36.65	6,769.1	373.6	277.9	-371.4	1.50	-1.50	0.00
6,900.0	2.86	36.65	6,868.9	378.6	281.7	-376.4	1.50	-1.50	0.00
7,000.0	1.36	36.65	6,968.8	381.6	283.9	-379.4	1.50	-1.50	0.00
7,090.4	0.00	0.00	7,059.2	382.4	284.5	-380.2	1.50	-1.50	0.00
Start 3257.8 hold at 7090.4 MD									
7,100.0	0.00	0.00	7,068.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,168.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,268.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,368.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,468.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,503.5	0.00	0.00	7,472.3	382.4	284.5	-380.2	0.00	0.00	0.00
L. Brushy Canyon									
7,600.0	0.00	0.00	7,568.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,668.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,768.8	382.4	284.5	-380.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,868.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,968.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,096.9	0.00	0.00	8,065.7	382.4	284.5	-380.2	0.00	0.00	0.00
BSGL									
8,100.0	0.00	0.00	8,068.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,168.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,202.0	0.00	0.00	8,170.9	382.4	284.5	-380.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Avalon-SS									
8,300.0	0.00	0.00	8,268.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,368.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,468.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,568.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,668.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,768.8	382.4	284.5	-380.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,868.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,968.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,059.7	0.00	0.00	9,028.5	382.4	284.5	-380.2	0.00	0.00	0.00
FBSG									
9,100.0	0.00	0.00	9,068.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,168.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,268.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,368.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,464.6	0.00	0.00	9,433.4	382.4	284.5	-380.2	0.00	0.00	0.00
SBSC									
9,500.0	0.00	0.00	9,468.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,568.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,668.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,738.7	0.00	0.00	9,707.5	382.4	284.5	-380.2	0.00	0.00	0.00
SBSG									
9,800.0	0.00	0.00	9,768.8	382.4	284.5	-380.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,868.8	382.4	284.5	-380.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,968.8	382.4	284.5	-380.2	0.00	0.00	0.00
10,100.0	0.00	0.00	10,068.8	382.4	284.5	-380.2	0.00	0.00	0.00
10,193.7	0.00	0.00	10,162.6	382.4	284.5	-380.2	0.00	0.00	0.00
TBSC									
10,200.0	0.00	0.00	10,168.8	382.4	284.5	-380.2	0.00	0.00	0.00
10,300.0	0.00	0.00	10,268.8	382.4	284.5	-380.2	0.00	0.00	0.00
10,348.2	0.00	0.00	10,317.0	382.4	284.5	-380.2	0.00	0.00	0.00
Start DLS 10.00 TFO 179.56 - VP - Boros Fed Com #131H									
10,400.0	5.18	179.56	10,368.8	380.1	284.5	-377.9	10.00	10.00	0.00
10,500.0	15.18	179.56	10,467.1	362.4	284.7	-360.2	10.00	10.00	0.00
10,600.0	25.18	179.56	10,560.8	328.0	284.9	-325.8	10.00	10.00	0.00
10,700.0	35.18	179.56	10,647.1	277.7	285.3	-275.5	10.00	10.00	0.00
10,800.0	45.18	179.56	10,723.4	213.3	285.8	-211.1	10.00	10.00	0.00
10,900.0	55.18	179.56	10,787.4	136.6	286.4	-134.4	10.00	10.00	0.00
11,000.0	65.18	179.56	10,837.1	49.9	287.1	-47.7	10.00	10.00	0.00
11,100.0	75.18	179.56	10,870.9	-44.0	287.8	46.2	10.00	10.00	0.00
11,200.0	85.18	179.56	10,887.9	-142.4	288.5	144.6	10.00	10.00	0.00
11,248.2	90.00	179.56	10,890.0	-190.5	288.9	192.7	10.00	10.00	0.00
Start 9938.9 hold at 11248.2 MD									
11,300.0	90.00	179.56	10,890.0	-242.4	289.3	244.6	0.00	0.00	0.00
11,400.0	90.00	179.56	10,890.0	-342.4	290.1	344.6	0.00	0.00	0.00
11,500.0	90.00	179.56	10,890.0	-442.4	290.8	444.6	0.00	0.00	0.00
11,600.0	90.00	179.56	10,890.0	-542.4	291.6	544.6	0.00	0.00	0.00
11,700.0	90.00	179.56	10,890.0	-642.4	292.4	644.6	0.00	0.00	0.00
11,800.0	90.00	179.56	10,890.0	-742.3	293.1	744.6	0.00	0.00	0.00
11,900.0	90.00	179.56	10,890.0	-842.3	293.9	844.6	0.00	0.00	0.00
12,000.0	90.00	179.56	10,890.0	-942.3	294.7	944.6	0.00	0.00	0.00
12,100.0	90.00	179.56	10,890.0	-1,042.3	295.4	1,044.6	0.00	0.00	0.00
12,200.0	90.00	179.56	10,890.0	-1,142.3	296.2	1,144.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,300.0	90.00	179.56	10,890.0	-1,242.3	297.0	1,244.6	0.00	0.00	0.00
12,400.0	90.00	179.56	10,890.0	-1,342.3	297.7	1,344.6	0.00	0.00	0.00
12,500.0	90.00	179.56	10,890.0	-1,442.3	298.5	1,444.6	0.00	0.00	0.00
12,600.0	90.00	179.56	10,890.0	-1,542.3	299.3	1,544.6	0.00	0.00	0.00
12,700.0	90.00	179.56	10,890.0	-1,642.3	300.0	1,644.6	0.00	0.00	0.00
12,800.0	90.00	179.56	10,890.0	-1,742.3	300.8	1,744.6	0.00	0.00	0.00
12,900.0	90.00	179.56	10,890.0	-1,842.3	301.6	1,844.6	0.00	0.00	0.00
13,000.0	90.00	179.56	10,890.0	-1,942.3	302.3	1,944.6	0.00	0.00	0.00
13,100.0	90.00	179.56	10,890.0	-2,042.3	303.1	2,044.6	0.00	0.00	0.00
13,200.0	90.00	179.56	10,890.0	-2,142.3	303.9	2,144.6	0.00	0.00	0.00
13,300.0	90.00	179.56	10,890.0	-2,242.3	304.6	2,244.6	0.00	0.00	0.00
13,400.0	90.00	179.56	10,890.0	-2,342.3	305.4	2,344.6	0.00	0.00	0.00
13,500.0	90.00	179.56	10,890.0	-2,442.3	306.2	2,444.6	0.00	0.00	0.00
13,600.0	90.00	179.56	10,890.0	-2,542.3	306.9	2,544.6	0.00	0.00	0.00
13,700.0	90.00	179.56	10,890.0	-2,642.3	307.7	2,644.6	0.00	0.00	0.00
13,800.0	90.00	179.56	10,890.0	-2,742.3	308.5	2,744.6	0.00	0.00	0.00
13,900.0	90.00	179.56	10,890.0	-2,842.3	309.2	2,844.6	0.00	0.00	0.00
14,000.0	90.00	179.56	10,890.0	-2,942.3	310.0	2,944.6	0.00	0.00	0.00
14,100.0	90.00	179.56	10,890.0	-3,042.3	310.8	3,044.6	0.00	0.00	0.00
14,200.0	90.00	179.56	10,890.0	-3,142.3	311.5	3,144.6	0.00	0.00	0.00
14,300.0	90.00	179.56	10,890.0	-3,242.3	312.3	3,244.6	0.00	0.00	0.00
14,400.0	90.00	179.56	10,890.0	-3,342.3	313.1	3,344.6	0.00	0.00	0.00
14,500.0	90.00	179.56	10,890.0	-3,442.3	313.8	3,444.6	0.00	0.00	0.00
14,600.0	90.00	179.56	10,890.0	-3,542.3	314.6	3,544.6	0.00	0.00	0.00
14,700.0	90.00	179.56	10,890.0	-3,642.3	315.4	3,644.6	0.00	0.00	0.00
14,800.0	90.00	179.56	10,890.0	-3,742.3	316.1	3,744.6	0.00	0.00	0.00
14,900.0	90.00	179.56	10,890.0	-3,842.3	316.9	3,844.6	0.00	0.00	0.00
15,000.0	90.00	179.56	10,890.0	-3,942.3	317.7	3,944.6	0.00	0.00	0.00
15,100.0	90.00	179.56	10,890.0	-4,042.3	318.4	4,044.6	0.00	0.00	0.00
15,200.0	90.00	179.56	10,890.0	-4,142.2	319.2	4,144.6	0.00	0.00	0.00
15,300.0	90.00	179.56	10,890.0	-4,242.2	320.0	4,244.6	0.00	0.00	0.00
15,400.0	90.00	179.56	10,890.0	-4,342.2	320.7	4,344.6	0.00	0.00	0.00
15,500.0	90.00	179.56	10,890.0	-4,442.2	321.5	4,444.6	0.00	0.00	0.00
15,600.0	90.00	179.56	10,890.0	-4,542.2	322.3	4,544.6	0.00	0.00	0.00
15,700.0	90.00	179.56	10,890.0	-4,642.2	323.0	4,644.6	0.00	0.00	0.00
15,800.0	90.00	179.56	10,890.0	-4,742.2	323.8	4,744.6	0.00	0.00	0.00
15,900.0	90.00	179.56	10,890.0	-4,842.2	324.6	4,844.6	0.00	0.00	0.00
16,000.0	90.00	179.56	10,890.0	-4,942.2	325.3	4,944.6	0.00	0.00	0.00
16,100.0	90.00	179.56	10,890.0	-5,042.2	326.1	5,044.6	0.00	0.00	0.00
16,200.0	90.00	179.56	10,890.0	-5,142.2	326.9	5,144.6	0.00	0.00	0.00
16,300.0	90.00	179.56	10,890.0	-5,242.2	327.6	5,244.6	0.00	0.00	0.00
16,400.0	90.00	179.56	10,890.0	-5,342.2	328.4	5,344.6	0.00	0.00	0.00
16,500.0	90.00	179.56	10,890.0	-5,442.2	329.2	5,444.6	0.00	0.00	0.00
16,600.0	90.00	179.56	10,890.0	-5,542.2	329.9	5,544.6	0.00	0.00	0.00
16,700.0	90.00	179.56	10,890.0	-5,642.2	330.7	5,644.6	0.00	0.00	0.00
16,800.0	90.00	179.56	10,890.0	-5,742.2	331.5	5,744.6	0.00	0.00	0.00
16,900.0	90.00	179.56	10,890.0	-5,842.2	332.2	5,844.6	0.00	0.00	0.00
17,000.0	90.00	179.56	10,890.0	-5,942.2	333.0	5,944.6	0.00	0.00	0.00
17,100.0	90.00	179.56	10,890.0	-6,042.2	333.8	6,044.6	0.00	0.00	0.00
17,200.0	90.00	179.56	10,890.0	-6,142.2	334.5	6,144.6	0.00	0.00	0.00
17,300.0	90.00	179.56	10,890.0	-6,242.2	335.3	6,244.6	0.00	0.00	0.00
17,400.0	90.00	179.56	10,890.0	-6,342.2	336.1	6,344.6	0.00	0.00	0.00
17,500.0	90.00	179.56	10,890.0	-6,442.2	336.8	6,444.6	0.00	0.00	0.00
17,600.0	90.00	179.56	10,890.0	-6,542.2	337.6	6,544.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,700.0	90.00	179.56	10,890.0	-6,642.2	338.4	6,644.6	0.00	0.00	0.00
17,800.0	90.00	179.56	10,890.0	-6,742.2	339.1	6,744.6	0.00	0.00	0.00
17,900.0	90.00	179.56	10,890.0	-6,842.2	339.9	6,844.6	0.00	0.00	0.00
18,000.0	90.00	179.56	10,890.0	-6,942.2	340.7	6,944.6	0.00	0.00	0.00
18,100.0	90.00	179.56	10,890.0	-7,042.2	341.4	7,044.6	0.00	0.00	0.00
18,200.0	90.00	179.56	10,890.0	-7,142.2	342.2	7,144.6	0.00	0.00	0.00
18,300.0	90.00	179.56	10,890.0	-7,242.2	343.0	7,244.6	0.00	0.00	0.00
18,400.0	90.00	179.56	10,890.0	-7,342.2	343.7	7,344.6	0.00	0.00	0.00
18,500.0	90.00	179.56	10,890.0	-7,442.2	344.5	7,444.6	0.00	0.00	0.00
18,600.0	90.00	179.56	10,890.0	-7,542.1	345.3	7,544.6	0.00	0.00	0.00
18,700.0	90.00	179.56	10,890.0	-7,642.1	346.0	7,644.6	0.00	0.00	0.00
18,800.0	90.00	179.56	10,890.0	-7,742.1	346.8	7,744.6	0.00	0.00	0.00
18,900.0	90.00	179.56	10,890.0	-7,842.1	347.6	7,844.6	0.00	0.00	0.00
19,000.0	90.00	179.56	10,890.0	-7,942.1	348.3	7,944.6	0.00	0.00	0.00
19,100.0	90.00	179.56	10,890.0	-8,042.1	349.1	8,044.6	0.00	0.00	0.00
19,200.0	90.00	179.56	10,890.0	-8,142.1	349.9	8,144.6	0.00	0.00	0.00
19,300.0	90.00	179.56	10,890.0	-8,242.1	350.6	8,244.6	0.00	0.00	0.00
19,400.0	90.00	179.56	10,890.0	-8,342.1	351.4	8,344.6	0.00	0.00	0.00
19,500.0	90.00	179.56	10,890.0	-8,442.1	352.2	8,444.6	0.00	0.00	0.00
19,600.0	90.00	179.56	10,890.0	-8,542.1	352.9	8,544.6	0.00	0.00	0.00
19,700.0	90.00	179.56	10,890.0	-8,642.1	353.7	8,644.6	0.00	0.00	0.00
19,800.0	90.00	179.56	10,890.0	-8,742.1	354.5	8,744.6	0.00	0.00	0.00
19,900.0	90.00	179.56	10,890.0	-8,842.1	355.2	8,844.6	0.00	0.00	0.00
20,000.0	90.00	179.56	10,890.0	-8,942.1	356.0	8,944.6	0.00	0.00	0.00
20,100.0	90.00	179.56	10,890.0	-9,042.1	356.8	9,044.6	0.00	0.00	0.00
20,200.0	90.00	179.56	10,890.0	-9,142.1	357.5	9,144.6	0.00	0.00	0.00
20,300.0	90.00	179.56	10,890.0	-9,242.1	358.3	9,244.6	0.00	0.00	0.00
20,400.0	90.00	179.56	10,890.0	-9,342.1	359.1	9,344.6	0.00	0.00	0.00
20,500.0	90.00	179.56	10,890.0	-9,442.1	359.8	9,444.6	0.00	0.00	0.00
20,600.0	90.00	179.56	10,890.0	-9,542.1	360.6	9,544.6	0.00	0.00	0.00
20,700.0	90.00	179.56	10,890.0	-9,642.1	361.4	9,644.6	0.00	0.00	0.00
20,800.0	90.00	179.56	10,890.0	-9,742.1	362.1	9,744.6	0.00	0.00	0.00
20,900.0	90.00	179.56	10,890.0	-9,842.1	362.9	9,844.6	0.00	0.00	0.00
21,000.0	90.00	179.56	10,890.0	-9,942.1	363.7	9,944.6	0.00	0.00	0.00
21,100.0	90.00	179.56	10,890.0	-10,042.1	364.4	10,044.6	0.00	0.00	0.00
21,187.1	90.00	179.56	10,890.0	-10,129.2	365.1	10,131.7	0.00	0.00	0.00
TD at 21187.1 - BHL - Boros Fed Com #131H									

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 - Boros Fed Com # - plan hits target center - Point	0.00	0.00	10,317.0	382.4	284.5	382,320.00	674,232.00	32° 2' 59.515 N	103° 46' 15.544 W
BHL - Boros Fed Com - plan hits target center - Point	0.00	0.01	10,890.0	-10,129.2	365.1	371,807.73	674,312.64	32° 1' 15.479 N	103° 46' 15.243 W

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #131H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3258.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3258.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #131H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,328.6	1,328.6	Rustler			
1,512.7	1,512.7	Salado (Top Salt)			
4,080.8	4,075.5	Base Salt			
4,111.4	4,105.8	Bell Canyon			
5,229.9	5,213.4	Cherry Canyon			
6,398.9	6,371.1	Brushy Canyon			
7,503.5	7,472.3	L. Brushy Canyon			
8,096.9	8,065.7	BSGL			
8,202.0	8,170.9	Avalon-SS			
9,059.7	9,028.5	FBSG			
9,464.6	9,433.4	SBSC			
9,738.7	9,707.5	SBSG			
10,193.7	10,162.6	TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,000.0	3,000.0	0.0	0.0	Start Build 1.00
3,800.0	3,797.4	44.7	33.3	Start 2757.1 hold at 3800.0 MD
6,557.1	6,527.6	352.6	262.3	Start Drop -1.50
7,090.4	7,059.2	382.4	284.5	Start 3257.8 hold at 7090.4 MD
10,348.2	10,317.0	382.4	284.5	Start DLS 10.00 TFO 179.56
11,248.2	10,890.0	-190.5	288.9	Start 9938.9 hold at 11248.2 MD
21,187.1	10,890.0	-10,129.2	365.1	TD at 21187.1

Drill Plan

Boros Fed Com 131H
SHL: 430' FNL & 704' FWL Section 15
BHL: 100' FSL & 990' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3230

Drilling Operation Plan

Proposed Drilling Depth: 21187' MD / 10890' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.0499903039418 N / -103.77145908030442 W
TD Lat/Long (NAD83): 32.02109175208097 N / -103.77137407535753 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,329	1,329	184	Anhydrite	Barren
Salado (Top of Salt)	1,513	1,513	2,563	Salt	Barren
Lamar (Base of Salt)	4,076	4,076	30	Salt	Barren
Bell Canyon	4,106	4,106	1,107	Sandstone	Oil/Natural Gas
Cherry Canyon	5,213	5,213	1,158	Sandstone	Oil/Natural Gas
Brushy Canyon	6,371	6,371	1,695	Sandstone	Oil/Natural Gas
Bone Spring Lime	8,066	8,066	104	Limestone	Oil/Natural Gas
Avalon	8,170	8,170	859	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,029	9,029	404	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	9,433	9,433	275	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,708	9,708	609	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	10,163	10,163	386	Carbonate	Oil/Natural Gas
KOP	**10,348**	**10,317**	**-**	**Carbonate**	**Oil/Natural Gas**
3rd Bone Spring Sand	10,640	10,549	-	Sandstone	Oil/Natural Gas
TD	**21,187**	**10,890**		**Sandstone**	**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' 5000-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 5000 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 - 1354	0 - 1354	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10248	0 - 10248	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21187	0 - 10890	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 option to deepen Intermediate 1 set depth into curve, no changes in pipe weight or grade 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	680	1.72	1170	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	1054	C	5% NaCl + LCM
Intermediate 1	Lead	900	3.66	3296	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	230	1.38	311	13.2	35%	9248	A/C	5% NaCl + LCM
Production	Lead	10	3.66	28	10.3	10%	10048	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	750	1.35	1006	13.2	10%	10348	A/C	Fluid Loss + Dispersant + Retarder + LCM

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 - 1354	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Bine Emulsion	1354 - 10248	8.7 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	10248 - 21187	8.6 - 9.4	28-30	NC

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

No abnormal pressure or temperature is expected. Maximum anticipated surface pressure is 2927 psi. Expected bottom hole temperature is 186 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 a "H2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have a H2S safety package on all wells, attached is a "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 the 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 29582

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 29582
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 5/27/2021	5/27/2021

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CONDITIONS

Action 29582

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 29582
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CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	5/27/2021