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

Sundry Print Report

04/21/2021

Well Name: BOROS FED COM

Well Location: T26S / R31E / SEC 15 / NWNW / 32.0490254 / -103.7726422

County or Parish/State: EDDY / NM

Well Number: 021H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM138865

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001547220

Well Status: Drilling Well

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: 04:21

Date proposed operation will begin: 02/27/2021

Procedure Description: BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Per WIS Electronic Submission #532818 Matador requests the name of the Boros Federal Com 021H be changed to the Boros Fed Com 135H. Matador also requests the pool be changed from BIG SINKS DELAWARE,SOUTHEAST (Pool Code 96411) to the JENNINGS;BONE SPRING, WEST (Pool Code 97860). Please see the attached C102 and directional data to revise the BHL from 100' FSL and 660' FWL of Section 22 Township 26 South Range 31 East to 100' FSL and 330' FWL of Section 22 Township 26 South Range 31 East. Lastly, Matador request to the option to amend the casing and cement design to the attached plan. Deepen well down to a 3rd Bone Spring. 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__532818_20210222161937.pdf

Well Name: BOROS FED COM

Well Location: T26S / R31E / SEC 15 / NWNW / 32.0490254 / -103.7726422

County or Parish/State: EDDY / NM

Well Number: 021H

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Allottee or Tribe Name:

Lease Number: NMNM138865

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001547220

Well Status: Drilling Well

Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Additional Reviews

BOROS_FEDERAL_COM_135H_Sundry_APD_Calculations_20210316182422.pdf

BOROS_FEDERAL_COM_135H__Sundry_COA_20210316182409.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 04:19 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: 04/21/2021

Signature: Chris Walls

BOROS FEDERAL COM 135H 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	2748	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	1.89	10,240	2	3.45	1.95	304,128
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	10,240				304,128

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	2654	36	9.40	2727	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	2.59	2.35	2.89	21,182	3	5.27	4.77	423,640
w/8.4#/g mud, 30min Sfc Csg Test psig:	2,236					Totals:	21,182				423,640

The cement volume(s) are intended to achieve a top of 10040 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

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**MATADOR PRODUCTION COMPANY**
LEASE NO.:	**NMNM138865**
WELL NAME & NO.:	BOROS FEDERAL COM 135H
SURFACE HOLE FOOTAGE:	400'/N & 624'/W
BOTTOM HOLE FOOTAGE	100'/S & 330/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 hsall be set at approximately **10240 feet**. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

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

Option 2:

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

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

b. Second stage above DV tool:

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

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

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

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

RI03162021

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM138865

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
BOROS FEDERAL COM 021H

2. Name of Operator
MATADOR PRODUCTION COMPANY
Contact: NICKY FITZGERALD
E-Mail: nicky.fitzgerald@matadorresources.com

9. API Well No.
30-015-47220

3a. Address
5400 LBJ FREEWAY, SUITE 1500
DALLAS, TX 75240

3b. Phone No. (include area code)
Ph: 972-371-5448

10. Field and Pool or Exploratory Area
BIG SINKS DELAWARE,SE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T26S R31E 400FNL 624FWL

11. County or Parish, State
EDDY COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

BLM Bond No.: NMB001079
Surety Bond No.: RLB0015172

Matador requests the name of the Boros Federal Com 021H be changed to the Boros Fed Com 135H.

Matador also requests the pool be changed from BIG SINKS DELAWARE,SOUTHEAST (Pool Code 96411) to the JENNINGS;BONE SPRING, WEST (Pool Code 97860).

Please see the attached C102 and directional data to revise the BHL from 100? FSL and 660? FWL of Section 22 Township 26 South Range 31 East to 100? FSL and 330? FWL of Section 22 Township 26 South Range 31 East.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #532818 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad

Name *(Printed/Typed)* NICKY FITZGERALD — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 10/05/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

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.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #532818 that would not fit on the form

32. Additional remarks, continued

Lastly, Matador request to the option to amend the casing and cement design to the attached plan. Deepen well down to a 3rd Bone Spring. 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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-015-47220	97860	JENNINGS; BONE SPRING, WEST

[4]Property Code	[5]Property Name	[6]Well Number
327154	BOROS FED COM	135H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3231'

[10]Surface Location

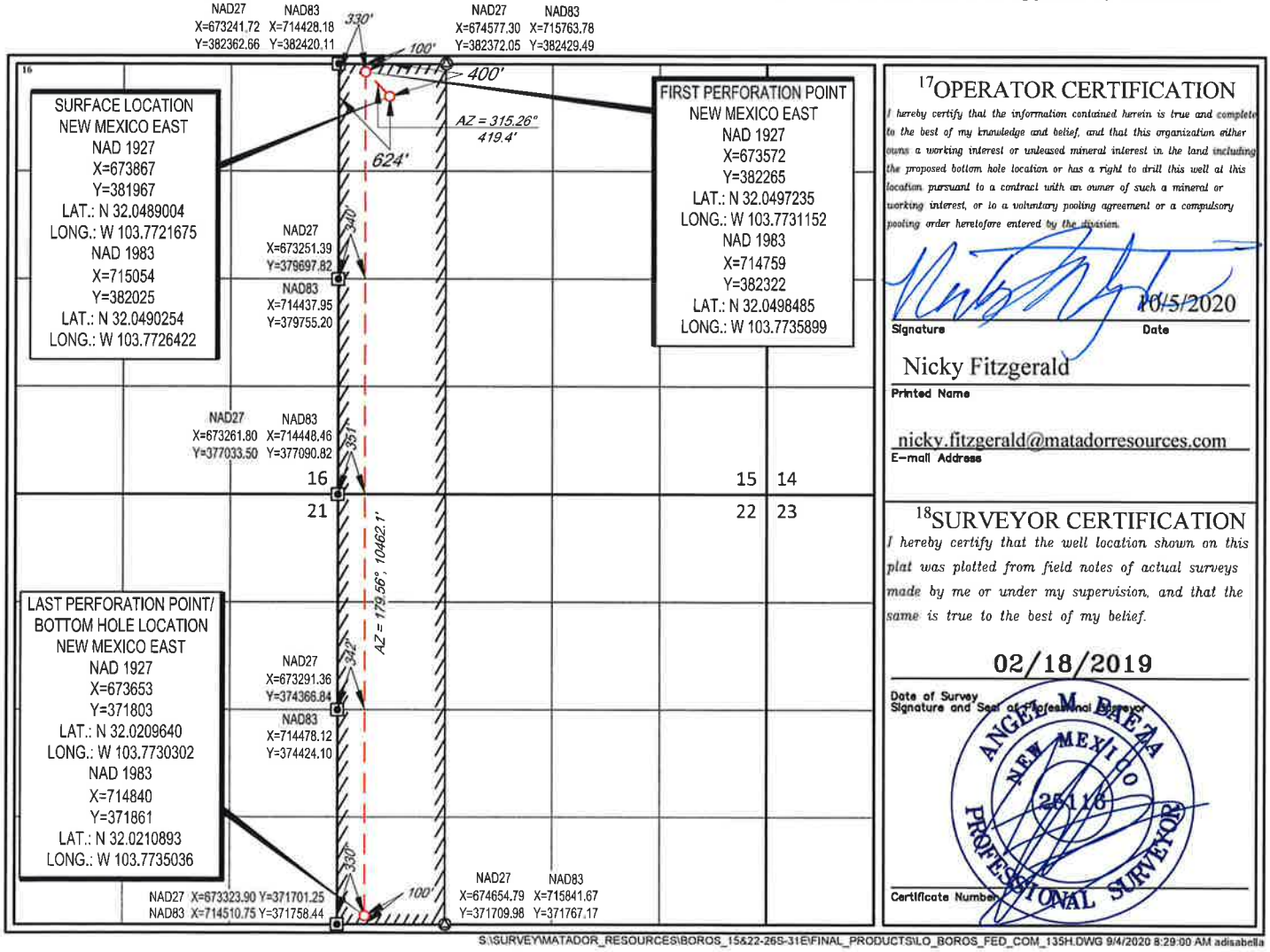
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	15	26-S	31-E	–	400'	NORTH	624'	WEST	EDDY

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	26-S	31-E	–	100'	SOUTH	330'	WEST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
320			

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



[17]OPERATOR CERTIFICATION

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

Signature — Date: 10/5/2020

Nicky Fitzgerald
Printed Name

nicky.fitzgerald@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

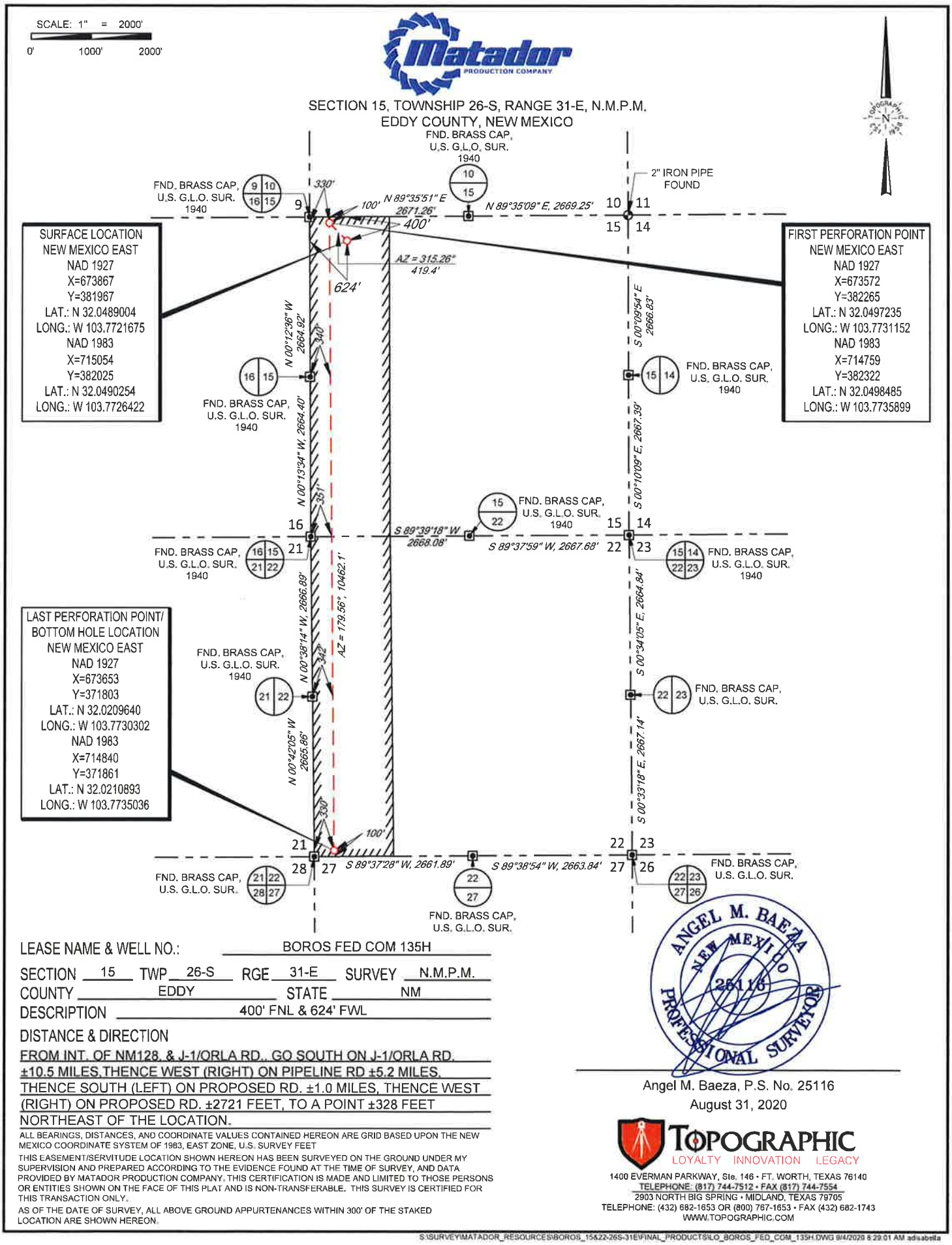
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

02/18/2019
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. PEÑA — NEW MEXICO — 25116 — PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FED_COM_135H.DWG 9/4/2020 8:29:00 AM adisabella



LEASE NAME & WELL NO.: BOROS FED COM 135H

SECTION 15 TWP 26-S RGE 31-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 400' FNL & 624' FWL

DISTANCE & DIRECTION

FROM INT. OF NM128. & J-1/ORLA RD., GO SOUTH ON J-1/ORLA RD. ±10.5 MILES, THENCE WEST (RIGHT) ON PIPELINE RD ±5.2 MILES, THENCE SOUTH (LEFT) ON PROPOSED RD. ±1.0 MILES, THENCE WEST (RIGHT) ON PROPOSED RD. ±2721 FEET, TO A POINT ±328 FEET NORTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

Angel M. Baeza, P.S. No. 25116
August 31, 2020

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

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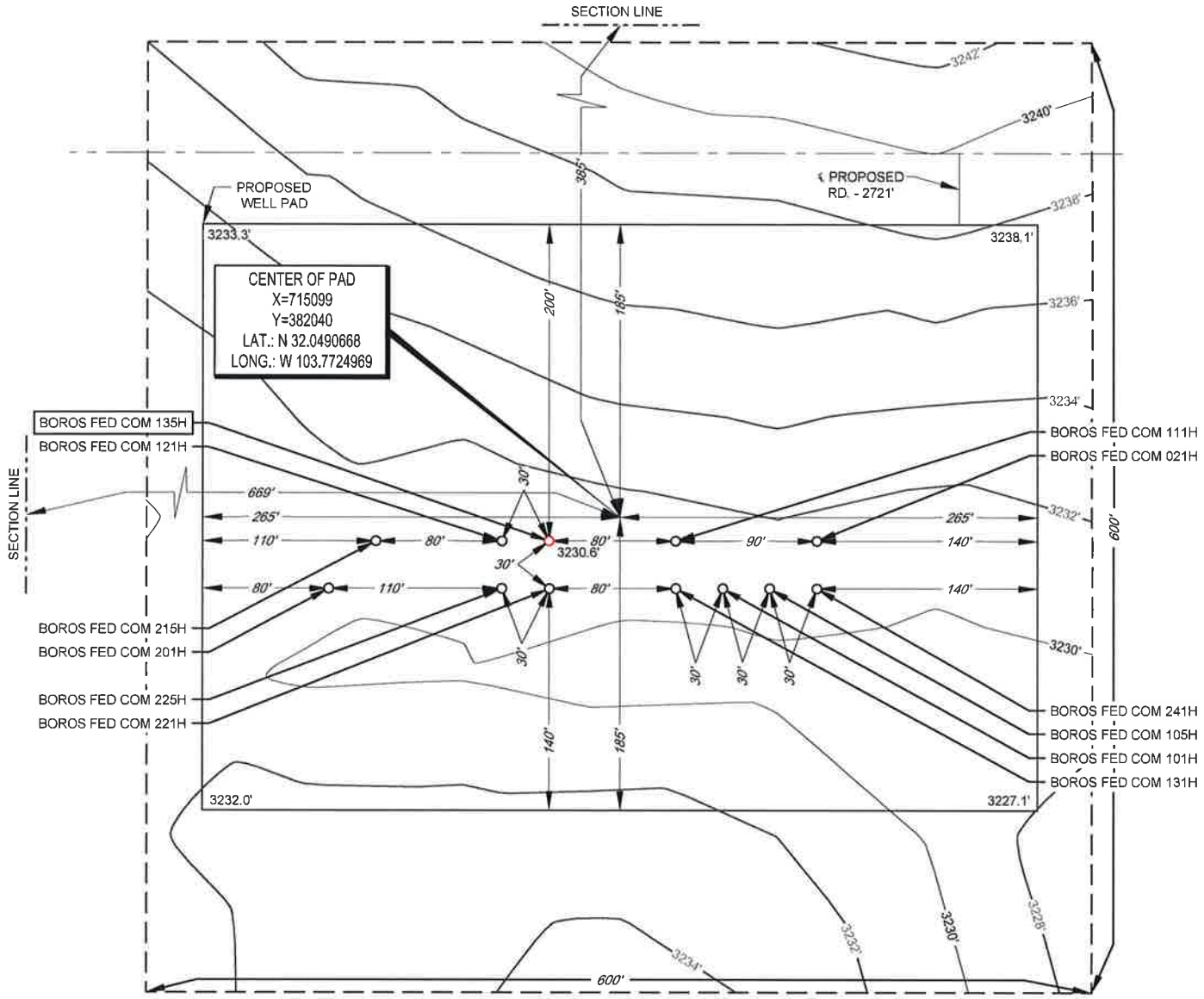
Matador PRODUCTION COMPANY

SECTION 15, TOWNSHIP 26-S, RANGE 31-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'

LEGEND

SECTION LINE
PROPOSED ROAD
ARCH SURVEY



LEASE NAME & WELL NO.: BOROS FED COM 135H

135H LATITUDE N 32.0490254 135H LONGITUDE W 103.7726422

CENTER OF PAD IS 385' FNL & 669' FWL

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Angel M. Baeza, P.S. No. 25116

SCALE: 1" = 100'

0' 50' 100'

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

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Drill Plan

Boros Fed Com 135H
SHL: 400' FNL & 624' FWL Section 15
BHL: 100' FSL & 330' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3231

Drilling Operation Plan

Proposed Drilling Depth: 21182' MD / 10163' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.04998701584504 N / -103.77382175014307 W
TD Lat/Long (NAD83): 32.021089245787294 N / -103.77350355448475 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	1,878	Salt	Barren
Lamar (Base of Salt)	3,391	3,391	685	Salt	Barren
Bell Canyon	4,076	4,076	30	Sandstone	Oil/Natural Gas
Cherry Canyon	4,106	4,106	1,107	Sandstone	Oil/Natural Gas
Brushy Canyon	5,213	5,213	1,158	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,371	6,371	1,695	Limestone	Oil/Natural Gas
Avalon	8,066	8,066	963	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	599	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	10,271	10,250	299	Carbonate	Oil/Natural Gas
KOP	**10,340**	**10,307**	**-**	**Carbonate**	**Oil/Natural Gas**
3rd Bone Spring Sand	10,640	10,549	-	Sandstone	Oil/Natural Gas
TD	**21,182**	**10,163**		**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 - 10240	0 - 10240	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21182	0 - 10163	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	3294	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	230	1.38	311	13.2	35%	9240	A/C	5% NaCl + LCM
Production	Lead	10	3.66	28	10.3	10%	10040	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	750	1.35	1006	13.2	10%	10340	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 - 10240	8.7 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	10240 - 21182	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 2732 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.

Casing Table Specification Sheet

Boros Fed Com 135H
SHL: 400' FNL & 624' FWL Section 15
BHL: 100' FSL & 330' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3231

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 - 10240	0 - 10240	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21182	0 - 10163	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

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

HUNTING

Generated on Sep 03, 2019

Matador Production Company

Rustler Breaks
Boros
Boros Fed Com #135H

Wellbore #1
BLM Plan #1

Anticollision Report

10 September, 2020

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	21,181.8	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	1,000.0	1,000.0	170.1	163.3	25.347	CC
Boros Fed Com #021H - Wellbore #1 - BLM Plan #1	1,100.0	1,100.0	170.7	163.3	22.994	ES
Boros Fed Com #021H - Wellbore #1 - BLM Plan #1	7,300.0	7,287.3	375.6	323.0	7.148	SF
Boros Fed Com #101H - Wellbore #1 - BLM Plan #1	7,710.0	7,712.3	72.0	16.3	1.293	Level 3, CC, ES, SF
Boros Fed Com #105H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	143.3	136.5	21.341	CC, ES
Boros Fed Com #105H - Wellbore #1 - BLM Plan #1	8,400.0	8,369.4	665.1	604.9	11.053	SF
Boros Fed Com #111H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	80.0	73.3	11.924	CC
Boros Fed Com #111H - Wellbore #1 - BLM Plan #1	1,100.0	1,101.0	80.7	73.2	10.862	ES
Boros Fed Com #111H - Wellbore #1 - BLM Plan #1	8,839.2	8,838.6	221.5	158.5	3.514	SF
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	1,497.4	1,496.7	20.8	10.5	2.022	CC
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	1,500.0	1,499.4	20.8	10.5	2.018	ES
Boros Fed Com #121H - Wellbore #1 - BLM Plan #1	1,600.0	1,599.3	22.2	11.2	2.015	SF
Boros Fed Com #131H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	85.5	78.8	12.737	CC, ES
Boros Fed Com #131H - Wellbore #1 - BLM Plan #1	21,182.4	21,186.4	660.0	313.6	1.905	SF
Boros Fed Com #201H - Wellbore #1 - Actual Surveys	1,983.1	1,975.9	103.2	89.7	7.654	CC
Boros Fed Com #201H - Wellbore #1 - Actual Surveys	10,500.0	10,484.1	106.8	32.5	1.437	Level 3, ES, SF
Boros Fed Com #215H - Wellbore #1 - Actual	2,081.2	2,075.3	82.7	68.4	5.769	CC
Boros Fed Com #215H - Wellbore #1 - Actual	2,100.0	2,094.0	82.8	68.3	5.715	ES
Boros Fed Com #215H - Wellbore #1 - Actual	21,046.6	21,907.0	1,058.9	812.9	4.305	SF
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	30.0	23.3	4.477	CC
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	5,700.0	5,700.7	63.1	19.8	1.457	Level 3, ES
Boros Fed Com #221H - Wellbore #1 - BLM Plan #1	10,350.0	10,355.7	100.0	25.9	1.349	Level 3, SF
Boros Fed Com #225H - Wellbore #1 - BLM Plan #1	1,171.9	1,172.7	9.0	1.0	1.126	Level 2, CC, ES, SF
Boros Fed Com #241H - Wellbore #1 - BLM Plan #1	1,000.0	1,001.0	172.7	166.0	25.727	CC, ES
Boros Fed Com #241H - Wellbore #1 - BLM Plan #1	10,650.0	10,627.3	508.1	432.0	6.680	SF

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	0.0	0.0	0.0	0.0	89.60	1.2	170.0	170.1				
100.0	100.0	100.0	100.0	0.1	0.1	89.60	1.2	170.0	170.1	169.8	0.26	663.463	
200.0	200.0	200.0	200.0	0.5	0.5	89.60	1.2	170.0	170.1	169.1	0.97	174.724	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
300.0	300.0	300.0	300.0	0.8	0.8	89.60	1.2	170.0	170.1	168.4	1.69	100.610	
400.0	400.0	400.0	400.0	1.2	1.2	89.60	1.2	170.0	170.1	167.6	2.41	70.644	
500.0	500.0	500.0	500.0	1.6	1.6	89.60	1.2	170.0	170.1	166.9	3.12	54.432	
600.0	600.0	600.0	600.0	1.9	1.9	89.60	1.2	170.0	170.1	166.2	3.84	44.272	
700.0	700.0	700.0	700.0	2.3	2.3	89.60	1.2	170.0	170.1	165.5	4.56	37.308	
800.0	800.0	800.0	800.0	2.6	2.6	89.60	1.2	170.0	170.1	164.8	5.27	32.238	
900.0	900.0	900.0	900.0	3.0	3.0	89.60	1.2	170.0	170.1	164.1	5.99	28.380	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.60	1.2	170.0	170.1	163.3	6.71	25.347	CC
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	136.35	1.2	170.0	170.7	163.3	7.42	22.994	ES
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	136.94	1.2	170.0	172.6	164.4	8.14	21.215	
1,300.0	1,299.9	1,300.1	1,299.9	4.4	4.4	137.89	1.2	170.0	175.8	166.9	8.85	19.867	
1,400.0	1,399.7	1,400.3	1,399.7	4.8	4.8	139.16	1.2	170.0	180.4	170.8	9.56	18.861	
1,500.0	1,499.4	1,499.4	1,499.4	5.1	5.1	140.69	1.2	170.0	186.4	176.1	10.28	18.139	
1,600.0	1,598.9	1,600.6	1,600.6	5.5	5.5	142.25	2.0	169.7	193.5	182.5	11.00	17.594	
1,700.0	1,698.3	1,702.1	1,702.0	5.9	5.9	143.55	4.4	168.5	201.1	189.4	11.72	17.166	
1,800.0	1,797.4	1,803.6	1,803.5	6.3	6.2	144.63	8.5	166.7	209.4	196.9	12.44	16.830	
1,900.0	1,896.4	1,905.4	1,905.0	6.6	6.6	145.41	14.2	164.0	217.4	204.2	13.17	16.511	
2,000.0	1,995.5	2,007.3	2,006.6	7.0	7.0	145.75	21.5	160.6	224.4	210.6	13.89	16.153	
2,100.0	2,094.5	2,109.4	2,108.3	7.4	7.3	145.69	30.5	156.4	230.5	215.9	14.63	15.758	
2,200.0	2,193.5	2,211.6	2,209.8	7.8	7.7	145.28	41.2	151.4	235.6	220.2	15.37	15.330	
2,300.0	2,292.5	2,313.5	2,310.8	8.2	8.1	144.52	53.4	145.7	239.7	223.6	16.11	14.876	
2,400.0	2,391.6	2,413.3	2,409.6	8.6	8.5	143.67	66.0	139.9	243.5	226.6	16.86	14.439	
2,500.0	2,490.6	2,513.2	2,508.5	9.0	8.8	142.85	78.6	134.0	247.3	229.7	17.62	14.039	
2,600.0	2,589.6	2,613.1	2,607.4	9.4	9.2	142.05	91.2	128.1	251.2	232.8	18.38	13.670	
2,700.0	2,688.6	2,712.9	2,706.3	9.8	9.6	141.28	103.8	122.3	255.1	236.0	19.14	13.330	
2,800.0	2,787.7	2,812.8	2,805.2	10.2	10.0	140.53	116.4	116.4	259.1	239.2	19.91	13.015	
2,900.0	2,886.7	2,912.7	2,904.1	10.6	10.4	139.80	129.0	110.5	263.1	242.5	20.68	12.724	
3,000.0	2,985.7	3,012.5	3,003.0	11.0	10.8	139.10	141.6	104.7	267.2	245.8	21.46	12.453	
3,100.0	3,084.8	3,112.4	3,101.9	11.4	11.2	138.42	154.2	98.8	271.3	249.1	22.24	12.201	
3,200.0	3,183.8	3,212.3	3,200.8	11.8	11.6	137.75	166.8	92.9	275.5	252.4	23.02	11.966	
3,300.0	3,282.8	3,312.1	3,299.7	12.3	12.0	137.11	179.4	87.1	279.6	255.8	23.81	11.747	
3,400.0	3,381.8	3,412.0	3,398.6	12.7	12.4	136.48	192.0	81.2	283.9	259.3	24.59	11.542	
3,500.0	3,480.9	3,511.8	3,497.5	13.1	12.8	135.88	204.6	75.4	288.1	262.7	25.38	11.350	
3,600.0	3,579.9	3,611.7	3,596.3	13.5	13.2	135.29	217.2	69.5	292.4	266.2	26.18	11.169	
3,700.0	3,678.9	3,711.6	3,695.2	13.9	13.6	134.72	229.8	63.6	296.7	269.7	26.97	10.999	
3,800.0	3,777.9	3,811.4	3,794.1	14.3	14.0	134.16	242.4	57.8	301.0	273.2	27.77	10.840	
3,900.0	3,877.0	3,911.3	3,893.0	14.7	14.4	133.63	255.0	51.9	305.4	276.8	28.57	10.689	
4,000.0	3,976.0	4,011.2	3,991.9	15.1	14.8	133.10	267.6	46.0	309.8	280.4	29.37	10.547	
4,100.0	4,075.0	4,111.0	4,090.8	15.6	15.2	132.59	280.2	40.2	314.2	284.0	30.17	10.412	
4,200.0	4,174.0	4,210.9	4,189.7	16.0	15.6	132.10	292.8	34.3	318.6	287.6	30.98	10.285	
4,300.0	4,273.1	4,310.8	4,288.6	16.4	16.0	131.62	305.4	28.4	323.1	291.3	31.78	10.165	
4,400.0	4,372.1	4,410.2	4,387.1	16.8	16.4	131.15	318.0	22.6	327.6	295.0	32.59	10.052	
4,500.0	4,471.1	4,507.3	4,483.4	17.2	16.8	130.97	328.8	17.6	332.6	299.3	33.37	9.967	
4,600.0	4,570.2	4,604.2	4,579.9	17.6	17.2	131.18	337.4	13.6	338.5	304.4	34.13	9.919	
4,700.0	4,669.2	4,701.0	4,676.4	18.0	17.5	131.77	343.7	10.6	345.3	310.4	34.86	9.906	
4,767.4	4,735.9	4,766.0	4,741.3	18.3	17.8	132.37	346.8	9.2	350.4	315.1	35.33	9.918	
4,800.0	4,768.2	4,797.4	4,772.7	18.5	17.9	132.72	347.9	8.7	352.9	317.4	35.56	9.926	
4,900.0	4,867.5	4,893.6	4,868.8	18.9	18.2	133.81	349.8	7.8	360.2	324.0	36.23	9.943	
5,000.0	4,967.1	5,008.2	4,967.1	19.2	18.6	134.87	350.0	7.7	366.6	329.6	36.95	9.921	
5,100.0	5,066.9	5,108.4	5,066.9	19.6	18.9	135.64	350.0	7.7	371.2	333.6	37.63	9.866	
5,200.0	5,166.8	5,208.5	5,166.8	20.0	19.3	136.09	350.0	7.7	374.1	335.8	38.31	9.765	
5,300.7	5,267.5	5,307.7	5,267.5	20.3	19.6	89.69	350.0	7.7	375.0	336.0	38.98	9.620	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
5,400.0	5,366.8	5,408.5	5,366.8	20.6	20.0	89.69	350.0	7.7	375.0	335.4	39.66	9.455	
5,500.0	5,466.8	5,508.5	5,466.8	20.9	20.3	89.69	350.0	7.7	375.0	334.7	40.34	9.296	
5,600.0	5,566.8	5,608.5	5,566.8	21.3	20.6	89.69	350.0	7.7	375.0	334.0	41.02	9.142	
5,700.0	5,666.8	5,708.5	5,666.8	21.6	21.0	89.69	350.0	7.7	375.0	333.3	41.70	8.992	
5,800.0	5,766.8	5,808.5	5,766.8	21.9	21.3	89.69	350.0	7.7	375.0	332.6	42.39	8.848	
5,900.0	5,866.8	5,908.5	5,866.8	22.3	21.7	89.69	350.0	7.7	375.0	331.9	43.07	8.707	
6,000.0	5,966.8	6,008.5	5,966.8	22.6	22.0	89.69	350.0	7.7	375.0	331.3	43.76	8.571	
6,100.0	6,066.8	6,108.5	6,066.8	22.9	22.4	89.69	350.0	7.7	375.0	330.6	44.44	8.438	
6,200.0	6,166.8	6,208.5	6,166.8	23.3	22.7	89.69	350.0	7.7	375.0	329.9	45.13	8.310	
6,300.0	6,266.8	6,308.5	6,266.8	23.6	23.0	89.69	350.0	7.7	375.0	329.2	45.82	8.185	
6,400.0	6,366.8	6,408.5	6,366.8	23.9	23.4	89.69	350.0	7.7	375.0	328.5	46.51	8.064	
6,500.0	6,466.8	6,508.5	6,466.8	24.3	23.7	89.69	350.0	7.7	375.0	327.8	47.20	7.946	
6,600.0	6,566.8	6,608.5	6,566.8	24.6	24.1	89.69	350.0	7.7	375.0	327.1	47.89	7.831	
6,700.0	6,666.8	6,708.5	6,666.8	24.9	24.4	89.69	350.0	7.7	375.0	326.4	48.58	7.720	
6,800.0	6,766.8	6,808.5	6,766.8	25.3	24.8	89.69	350.0	7.7	375.0	325.7	49.27	7.612	
6,900.0	6,866.8	6,908.5	6,866.8	25.6	25.1	89.69	350.0	7.7	375.0	325.1	49.96	7.506	
7,000.0	6,966.8	7,008.5	6,966.8	26.0	25.5	89.69	350.0	7.7	375.0	324.4	50.65	7.403	
7,100.0	7,066.8	7,091.5	7,066.8	26.3	25.8	89.69	350.0	7.7	375.0	323.7	51.29	7.312	
7,200.0	7,166.8	7,191.5	7,166.8	26.6	26.1	89.69	350.0	7.7	375.0	323.0	51.98	7.214	
7,300.0	7,266.8	7,287.3	7,262.0	27.0	26.4	91.11	340.6	8.2	375.6	323.0	52.54	7.148	SF
7,400.0	7,366.8	7,377.8	7,349.4	27.3	26.6	94.63	317.5	9.4	378.3	325.4	52.90	7.151	
7,500.0	7,466.8	7,459.3	7,424.0	27.7	26.8	99.44	285.1	11.0	385.9	333.0	52.90	7.294	
7,600.0	7,566.8	7,530.3	7,484.8	28.0	26.9	104.67	248.4	12.9	401.4	349.1	52.29	7.676	
7,700.0	7,666.8	7,591.0	7,532.8	28.3	27.0	109.66	211.4	14.7	427.2	376.3	50.90	8.395	
7,800.0	7,766.8	7,642.3	7,570.1	28.7	27.0	114.10	176.3	16.5	464.2	415.4	48.77	9.518	
7,900.0	7,866.8	7,685.6	7,599.1	29.0	27.1	117.87	144.1	18.2	511.6	465.4	46.17	11.081	
8,000.0	7,966.8	7,722.3	7,621.7	29.4	27.1	121.03	115.2	19.6	568.3	524.9	43.41	13.089	
8,100.0	8,066.8	7,750.0	7,637.5	29.7	27.2	123.35	92.5	20.8	632.6	592.0	40.58	15.588	
8,200.0	8,166.8	7,780.3	7,653.5	30.1	27.2	125.83	66.8	22.1	702.9	664.7	38.25	18.377	
8,300.0	8,266.8	7,800.0	7,663.1	30.4	27.2	127.39	49.7	22.9	778.2	742.3	35.91	21.671	
8,400.0	8,366.8	7,823.4	7,673.8	30.7	27.3	129.20	28.9	24.0	857.4	823.3	34.11	25.138	
8,500.0	8,466.8	7,850.0	7,684.9	31.1	27.3	131.17	4.7	25.2	939.7	907.0	32.74	28.701	
8,600.0	8,566.8	7,850.0	7,684.9	31.4	27.3	131.17	4.7	25.2	1,024.4	993.6	30.81	33.256	
8,700.0	8,666.8	7,870.1	7,692.6	31.8	27.4	132.59	-13.8	26.2	1,111.2	1,081.4	29.79	37.304	
8,800.0	8,766.8	7,882.2	7,696.9	32.1	27.4	133.44	-25.2	26.7	1,199.6	1,170.9	28.75	41.722	
8,900.0	8,866.8	7,900.0	7,702.8	32.5	27.4	134.63	-41.9	27.6	1,289.5	1,261.5	28.05	45.965	
9,000.0	8,966.8	7,900.0	7,702.8	32.8	27.4	134.63	-41.9	27.6	1,380.5	1,353.4	27.07	50.992	
9,100.0	9,066.8	7,900.0	7,702.8	33.2	27.4	134.63	-41.9	27.6	1,472.6	1,446.3	26.27	56.065	
9,200.0	9,166.8	7,920.0	7,708.7	33.5	27.5	135.93	-61.0	28.5	1,565.2	1,539.2	26.02	60.152	
9,300.0	9,266.8	7,927.4	7,710.8	33.9	27.5	136.40	-68.0	28.9	1,658.7	1,633.1	25.60	64.788	
9,400.0	9,366.8	7,950.0	7,716.4	34.2	27.5	137.78	-89.9	30.0	1,753.1	1,727.5	25.56	68.599	
9,500.0	9,466.8	7,950.0	7,716.4	34.6	27.5	137.78	-89.9	30.0	1,847.5	1,822.4	25.16	73.441	
9,600.0	9,566.8	7,950.0	7,716.4	34.9	27.5	137.78	-89.9	30.0	1,942.5	1,917.7	24.84	78.198	
9,700.0	9,666.8	7,950.0	7,716.4	35.2	27.5	137.78	-89.9	30.0	2,038.0	2,013.4	24.60	82.856	
9,800.0	9,766.8	7,950.0	7,716.4	35.6	27.5	137.78	-89.9	30.0	2,133.9	2,109.5	24.41	87.402	
9,900.0	9,866.8	7,950.0	7,716.4	35.9	27.5	137.78	-89.9	30.0	2,230.2	2,205.9	24.29	91.827	
10,000.0	9,966.8	7,950.0	7,716.4	36.3	27.5	137.78	-89.9	30.0	2,326.7	2,302.5	24.21	96.126	
10,100.0	10,066.8	7,950.0	7,716.4	36.6	27.5	137.78	-89.9	30.0	2,423.6	2,399.4	24.16	100.295	
10,200.0	10,166.8	7,972.8	7,721.2	37.0	27.6	139.11	-112.1	31.1	2,520.1	2,495.7	24.43	103.170	
10,300.0	10,266.8	7,976.3	7,721.9	37.3	27.6	139.30	-115.6	31.3	2,617.3	2,592.8	24.48	106.913	
10,340.2	10,307.0	7,977.6	7,722.2	37.5	27.6	139.38	-116.9	31.4	2,656.4	2,631.9	24.51	108.386	
10,350.0	10,316.8	7,977.9	7,722.2	37.5	27.6	-32.20	-117.2	31.4	2,665.9	2,641.4	24.51	108.746	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,400.0	10,366.7	7,980.1	7,722.6	37.7	27.6	-24.00	-119.3	31.5	2,713.9	2,689.4	24.53	110.623	
10,450.0	10,416.1	8,000.0	7,725.9	37.8	27.6	-18.69	-138.9	32.5	2,761.1	2,736.4	24.71	111.736	
10,500.0	10,464.7	8,000.0	7,725.9	37.9	27.6	-15.55	-138.9	32.5	2,806.3	2,781.7	24.65	113.856	
10,550.0	10,512.1	8,000.0	7,725.9	38.1	27.6	-13.34	-138.9	32.5	2,849.9	2,825.3	24.57	116.004	
10,600.0	10,558.0	8,000.0	7,725.9	38.2	27.6	-11.72	-138.9	32.5	2,891.4	2,866.9	24.47	118.155	
10,650.0	10,601.9	8,000.0	7,725.9	38.3	27.6	-10.49	-138.9	32.5	2,930.7	2,906.4	24.37	120.281	
10,700.0	10,643.6	8,000.0	7,725.9	38.3	27.6	-9.54	-138.9	32.5	2,967.6	2,943.4	24.26	122.351	
10,750.0	10,682.7	8,000.0	7,725.9	38.4	27.6	-8.79	-138.9	32.5	3,002.0	2,977.8	24.15	124.329	
10,800.0	10,719.0	8,000.0	7,725.9	38.5	27.6	-8.19	-138.9	32.5	3,033.5	3,009.5	24.04	126.179	
10,850.0	10,752.1	8,023.7	7,728.8	38.5	27.7	-7.64	-162.4	33.7	3,061.5	3,037.4	24.11	126.965	
10,900.0	10,781.9	8,050.0	7,731.0	38.6	27.8	-7.19	-188.6	35.0	3,087.1	3,062.9	24.20	127.576	
10,950.0	10,808.0	8,050.0	7,731.0	38.6	27.8	-6.90	-188.6	35.0	3,108.8	3,084.7	24.11	128.921	
11,000.0	10,830.3	8,050.0	7,731.0	38.6	27.8	-6.66	-188.6	35.0	3,127.2	3,103.1	24.06	129.989	
11,050.0	10,848.7	8,050.0	7,731.0	38.6	27.8	-6.48	-188.6	35.0	3,142.2	3,118.2	24.03	130.742	
11,100.0	10,862.9	8,050.0	7,731.0	38.7	27.8	-6.35	-188.6	35.0	3,153.8	3,129.7	24.05	131.149	
11,150.0	10,872.9	8,067.1	7,731.7	38.7	27.8	-6.24	-205.7	35.9	3,161.6	3,137.4	24.16	130.843	
11,200.0	10,878.5	8,083.7	7,732.0	38.8	27.9	-6.17	-222.3	36.7	3,165.9	3,141.6	24.30	130.292	
11,240.2	10,880.0	8,083.7	7,732.0	38.9	27.9	-6.17	-222.3	36.7	3,166.5	3,142.1	24.39	129.835	
11,300.0	10,880.0	8,131.2	7,732.0	39.0	28.1	-6.13	-269.7	38.7	3,166.1	3,141.5	24.69	128.227	
11,400.0	10,880.0	8,239.9	7,732.0	39.3	28.5	-6.03	-378.4	40.6	3,165.6	3,140.2	25.34	124.924	
11,500.0	10,880.0	8,339.9	7,732.0	39.7	29.0	-5.99	-478.4	41.3	3,165.3	3,139.2	26.06	121.450	
11,528.2	10,880.0	8,368.1	7,732.0	39.8	29.1	-5.99	-506.5	41.5	3,165.3	3,139.0	26.28	120.435	
11,600.0	10,880.0	8,439.9	7,732.0	40.1	29.5	-5.99	-578.3	42.1	3,165.3	3,138.4	26.87	117.801	
11,700.0	10,880.0	8,539.9	7,732.0	40.6	30.2	-5.99	-678.3	42.8	3,165.3	3,137.5	27.75	114.083	
11,800.0	10,880.0	8,639.9	7,732.0	41.1	30.9	-5.99	-778.3	43.6	3,165.3	3,136.6	28.68	110.356	
11,900.0	10,880.0	8,739.9	7,732.0	41.7	31.7	-5.99	-878.3	44.4	3,165.3	3,135.6	29.67	106.668	
12,000.0	10,880.0	8,839.9	7,732.0	42.4	32.6	-5.99	-978.3	45.1	3,165.3	3,134.6	30.71	103.054	
12,100.0	10,880.0	8,939.9	7,732.0	43.1	33.5	-5.99	-1,078.3	45.9	3,165.3	3,133.5	31.80	99.538	
12,200.0	10,880.0	9,039.9	7,732.0	43.8	34.5	-5.99	-1,178.3	46.7	3,165.3	3,132.4	32.92	96.138	
12,300.0	10,880.0	9,139.9	7,732.0	44.7	35.5	-5.99	-1,278.3	47.4	3,165.3	3,131.2	34.08	92.865	
12,400.0	10,880.0	9,239.9	7,732.0	45.5	36.6	-5.99	-1,378.3	48.2	3,165.3	3,130.0	35.28	89.726	
12,500.0	10,880.0	9,339.9	7,732.0	46.4	37.7	-5.99	-1,478.3	49.0	3,165.3	3,128.8	36.50	86.722	
12,600.0	10,880.0	9,439.9	7,732.0	47.3	38.9	-5.99	-1,578.3	49.7	3,165.3	3,127.5	37.75	83.854	
12,700.0	10,880.0	9,539.9	7,732.0	48.3	40.0	-5.99	-1,678.3	50.5	3,165.3	3,126.3	39.02	81.120	
12,800.0	10,880.0	9,639.9	7,732.0	49.3	41.3	-5.99	-1,778.3	51.3	3,165.3	3,125.0	40.31	78.515	
12,900.0	10,880.0	9,739.9	7,732.0	50.4	42.5	-5.99	-1,878.3	52.0	3,165.3	3,123.6	41.63	76.036	
13,000.0	10,880.0	9,839.9	7,732.0	51.5	43.8	-5.99	-1,978.3	52.8	3,165.3	3,122.3	42.96	73.678	
13,100.0	10,880.0	9,939.9	7,732.0	52.6	45.1	-5.99	-2,078.3	53.6	3,165.3	3,121.0	44.31	71.435	
13,200.0	10,880.0	10,039.9	7,732.0	53.7	46.4	-5.99	-2,178.3	54.3	3,165.3	3,119.6	45.67	69.301	
13,300.0	10,880.0	10,139.9	7,732.0	54.9	47.8	-5.99	-2,278.3	55.1	3,165.3	3,118.2	47.05	67.271	
13,400.0	10,880.0	10,239.9	7,732.0	56.0	49.1	-5.99	-2,378.3	55.9	3,165.3	3,116.8	48.44	65.339	
13,500.0	10,880.0	10,339.9	7,732.0	57.3	50.5	-5.99	-2,478.3	56.6	3,165.3	3,115.4	49.85	63.500	
13,600.0	10,880.0	10,439.9	7,732.0	58.5	51.9	-5.99	-2,578.3	57.4	3,165.3	3,114.0	51.26	61.748	
13,700.0	10,880.0	10,539.9	7,732.0	59.7	53.3	-5.99	-2,678.3	58.1	3,165.3	3,112.6	52.69	60.079	
13,800.0	10,880.0	10,639.9	7,732.0	61.0	54.7	-5.99	-2,778.3	58.9	3,165.3	3,111.2	54.12	58.488	
13,900.0	10,880.0	10,739.9	7,732.0	62.3	56.2	-5.99	-2,878.3	59.7	3,165.3	3,109.7	55.56	56.969	
14,000.0	10,880.0	10,839.9	7,732.0	63.6	57.6	-5.99	-2,978.3	60.4	3,165.3	3,108.3	57.01	55.520	
14,100.0	10,880.0	10,939.9	7,732.0	64.9	59.1	-5.99	-3,078.3	61.2	3,165.3	3,106.8	58.47	54.136	
14,200.0	10,880.0	11,039.9	7,732.0	66.2	60.5	-5.99	-3,178.3	62.0	3,165.3	3,105.3	59.93	52.813	
14,300.0	10,880.0	11,139.9	7,732.0	67.6	62.0	-5.99	-3,278.3	62.7	3,165.3	3,103.9	61.40	51.548	
14,400.0	10,880.0	11,239.9	7,732.0	69.0	63.5	-5.99	-3,378.3	63.5	3,165.3	3,102.4	62.88	50.337	
14,500.0	10,880.0	11,339.9	7,732.0	70.3	65.0	-5.99	-3,478.3	64.3	3,165.3	3,100.9	64.36	49.178	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,600.0	10,880.0	11,439.9	7,732.0	71.7	66.5	-5.99	-3,578.3	65.0	3,165.3	3,099.4	65.85	48.067	
14,700.0	10,880.0	11,539.9	7,732.0	73.1	68.0	-5.99	-3,678.3	65.8	3,165.3	3,097.9	67.34	47.001	
14,800.0	10,880.0	11,639.9	7,732.0	74.5	69.5	-5.99	-3,778.3	66.6	3,165.3	3,096.4	68.84	45.979	
14,900.0	10,880.0	11,739.9	7,732.0	75.9	71.0	-5.99	-3,878.3	67.3	3,165.3	3,094.9	70.34	44.997	
15,000.0	10,880.0	11,839.9	7,732.0	77.4	72.6	-5.99	-3,978.2	68.1	3,165.3	3,093.4	71.85	44.054	
15,100.0	10,880.0	11,939.9	7,732.0	78.8	74.1	-5.99	-4,078.2	68.9	3,165.3	3,091.9	73.36	43.147	
15,200.0	10,880.0	12,039.9	7,732.0	80.3	75.6	-5.99	-4,178.2	69.6	3,165.3	3,090.4	74.87	42.275	
15,300.0	10,880.0	12,139.9	7,732.0	81.7	77.2	-5.99	-4,278.2	70.4	3,165.3	3,088.9	76.39	41.436	
15,400.0	10,880.0	12,239.9	7,732.0	83.2	78.7	-5.99	-4,378.2	71.2	3,165.3	3,087.4	77.91	40.627	
15,500.0	10,880.0	12,339.9	7,732.0	84.6	80.3	-5.99	-4,478.2	71.9	3,165.3	3,085.8	79.43	39.848	
15,600.0	10,880.0	12,439.9	7,732.0	86.1	81.8	-5.99	-4,578.2	72.7	3,165.3	3,084.3	80.96	39.097	
15,700.0	10,880.0	12,539.9	7,732.0	87.6	83.4	-5.99	-4,678.2	73.5	3,165.3	3,082.8	82.49	38.373	
15,800.0	10,880.0	12,639.9	7,732.0	89.1	85.0	-5.99	-4,778.2	74.2	3,165.3	3,081.2	84.02	37.674	
15,900.0	10,880.0	12,739.9	7,732.0	90.6	86.5	-5.99	-4,878.2	75.0	3,165.3	3,079.7	85.55	36.998	
16,000.0	10,880.0	12,839.9	7,732.0	92.1	88.1	-5.99	-4,978.2	75.7	3,165.3	3,078.2	87.09	36.346	
16,100.0	10,880.0	12,939.9	7,732.0	93.6	89.7	-5.99	-5,078.2	76.5	3,165.3	3,076.6	88.63	35.715	
16,200.0	10,880.0	13,039.9	7,732.0	95.1	91.2	-5.99	-5,178.2	77.3	3,165.3	3,075.1	90.17	35.105	
16,300.0	10,880.0	13,139.9	7,732.0	96.6	92.8	-5.99	-5,278.2	78.0	3,165.3	3,073.6	91.71	34.515	
16,400.0	10,880.0	13,239.9	7,732.0	98.1	94.4	-5.99	-5,378.2	78.8	3,165.3	3,072.0	93.25	33.943	
16,500.0	10,880.0	13,339.9	7,732.0	99.6	96.0	-5.99	-5,478.2	79.6	3,165.3	3,070.5	94.80	33.390	
16,600.0	10,880.0	13,439.9	7,732.0	101.1	97.6	-5.99	-5,578.2	80.3	3,165.3	3,068.9	96.34	32.853	
16,700.0	10,880.0	13,539.9	7,732.0	102.7	99.1	-5.99	-5,678.2	81.1	3,165.3	3,067.4	97.89	32.334	
16,800.0	10,880.0	13,639.9	7,732.0	104.2	100.7	-5.99	-5,778.2	81.9	3,165.3	3,065.8	99.44	31.829	
16,900.0	10,880.0	13,739.9	7,732.0	105.7	102.3	-5.99	-5,878.2	82.6	3,165.3	3,064.3	101.00	31.340	
17,000.0	10,880.0	13,839.9	7,732.0	107.3	103.9	-5.99	-5,978.2	83.4	3,165.3	3,062.7	102.55	30.865	
17,100.0	10,880.0	13,939.9	7,732.0	108.8	105.5	-5.99	-6,078.2	84.2	3,165.3	3,061.2	104.11	30.404	
17,200.0	10,880.0	14,039.9	7,732.0	110.4	107.1	-5.99	-6,178.2	84.9	3,165.3	3,059.6	105.66	29.957	
17,300.0	10,880.0	14,139.9	7,732.0	111.9	108.7	-5.99	-6,278.2	85.7	3,165.3	3,058.0	107.22	29.521	
17,400.0	10,880.0	14,239.9	7,732.0	113.5	110.3	-5.99	-6,378.2	86.5	3,165.3	3,056.5	108.78	29.098	
17,500.0	10,880.0	14,339.9	7,732.0	115.0	111.9	-5.99	-6,478.2	87.2	3,165.3	3,054.9	110.34	28.687	
17,600.0	10,880.0	14,439.9	7,732.0	116.6	113.5	-5.99	-6,578.2	88.0	3,165.3	3,053.4	111.90	28.287	
17,700.0	10,880.0	14,539.9	7,732.0	118.2	115.1	-5.99	-6,678.2	88.8	3,165.3	3,051.8	113.46	27.898	
17,800.0	10,880.0	14,639.9	7,732.0	119.7	116.7	-5.99	-6,778.2	89.5	3,165.3	3,050.2	115.02	27.518	
17,900.0	10,880.0	14,739.9	7,732.0	121.3	118.3	-5.99	-6,878.2	90.3	3,165.3	3,048.7	116.59	27.149	
18,000.0	10,880.0	14,839.9	7,732.0	122.8	119.9	-5.99	-6,978.2	91.0	3,165.3	3,047.1	118.15	26.790	
18,100.0	10,880.0	14,939.9	7,732.0	124.4	121.6	-5.99	-7,078.2	91.8	3,165.3	3,045.5	119.72	26.439	
18,200.0	10,880.0	15,039.9	7,732.0	126.0	123.2	-5.99	-7,178.2	92.6	3,165.3	3,044.0	121.28	26.098	
18,300.0	10,880.0	15,139.9	7,732.0	127.6	124.8	-5.99	-7,278.2	93.3	3,165.3	3,042.4	122.85	25.765	
18,400.0	10,880.0	15,239.9	7,732.0	129.1	126.4	-5.99	-7,378.2	94.1	3,165.3	3,040.8	124.42	25.440	
18,500.0	10,880.0	15,339.9	7,732.0	130.7	128.0	-5.99	-7,478.1	94.9	3,165.3	3,039.3	125.99	25.123	
18,600.0	10,880.0	15,439.9	7,732.0	132.3	129.6	-5.99	-7,578.1	95.6	3,165.3	3,037.7	127.56	24.814	
18,700.0	10,880.0	15,539.9	7,732.0	133.9	131.2	-5.99	-7,678.1	96.4	3,165.3	3,036.1	129.13	24.512	
18,800.0	10,880.0	15,639.9	7,732.0	135.5	132.8	-5.99	-7,778.1	97.2	3,165.3	3,034.6	130.70	24.218	
18,900.0	10,880.0	15,739.9	7,732.0	137.0	134.5	-5.99	-7,878.1	97.9	3,165.3	3,033.0	132.27	23.930	
19,000.0	10,880.0	15,839.9	7,732.0	138.6	136.1	-5.99	-7,978.1	98.7	3,165.3	3,031.4	133.84	23.649	
19,100.0	10,880.0	15,939.9	7,732.0	140.2	137.7	-5.99	-8,078.1	99.5	3,165.3	3,029.8	135.42	23.374	
19,200.0	10,880.0	16,039.9	7,732.0	141.8	139.3	-5.99	-8,178.1	100.2	3,165.3	3,028.3	136.99	23.106	
19,300.0	10,880.0	16,139.9	7,732.0	143.4	140.9	-5.98	-8,278.1	101.0	3,165.3	3,026.7	138.56	22.843	
19,400.0	10,880.0	16,239.9	7,732.0	145.0	142.6	-5.98	-8,378.1	101.8	3,165.3	3,025.1	140.14	22.587	
19,500.0	10,880.0	16,339.9	7,732.0	146.6	144.2	-5.98	-8,478.1	102.5	3,165.3	3,023.5	141.71	22.335	
19,600.0	10,880.0	16,439.9	7,732.0	148.2	145.8	-5.98	-8,578.1	103.3	3,165.3	3,022.0	143.29	22.090	
19,700.0	10,880.0	16,539.9	7,732.0	149.8	147.4	-5.98	-8,678.1	104.1	3,165.3	3,020.4	144.87	21.849	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
19,800.0	10,880.0	16,639.9	7,732.0	151.4	149.1	-5.98	-8,778.1	104.8	3,165.3	3,018.8	146.44	21.614	
19,900.0	10,880.0	16,739.9	7,732.0	153.0	150.7	-5.98	-8,878.1	105.6	3,165.3	3,017.2	148.02	21.384	
20,000.0	10,880.0	16,839.9	7,732.0	154.6	152.3	-5.98	-8,978.1	106.4	3,165.3	3,015.7	149.60	21.158	
20,100.0	10,880.0	16,939.9	7,732.0	156.2	153.9	-5.98	-9,078.1	107.1	3,165.3	3,014.1	151.18	20.937	
20,200.0	10,880.0	17,039.9	7,732.0	157.8	155.6	-5.98	-9,178.1	107.9	3,165.2	3,012.5	152.75	20.721	
20,300.0	10,880.0	17,139.9	7,732.0	159.4	157.2	-5.98	-9,278.1	108.6	3,165.2	3,010.9	154.33	20.509	
20,400.0	10,880.0	17,239.9	7,732.0	161.0	158.8	-5.98	-9,378.1	109.4	3,165.2	3,009.3	155.91	20.301	
20,500.0	10,880.0	17,339.9	7,732.0	162.6	160.4	-5.98	-9,478.1	110.2	3,165.2	3,007.8	157.49	20.098	
20,600.0	10,880.0	17,439.9	7,732.0	164.2	162.1	-5.98	-9,578.1	110.9	3,165.2	3,006.2	159.07	19.898	
20,700.0	10,880.0	17,539.9	7,732.0	165.8	163.7	-5.98	-9,678.1	111.7	3,165.2	3,004.6	160.65	19.702	
20,800.0	10,880.0	17,639.9	7,732.0	167.4	165.3	-5.98	-9,778.1	112.5	3,165.2	3,003.0	162.23	19.510	
20,900.0	10,880.0	17,739.9	7,732.0	169.0	167.0	-5.98	-9,878.1	113.2	3,165.2	3,001.4	163.82	19.322	
21,000.0	10,880.0	17,839.9	7,732.0	170.6	168.6	-5.98	-9,978.1	114.0	3,165.2	2,999.9	165.40	19.137	
21,100.0	10,880.0	17,939.9	7,732.0	172.2	170.2	-5.98	-10,078.1	114.8	3,165.2	2,998.3	166.98	18.956	
21,182.4	10,880.0	18,022.3	7,732.0	173.4	171.6	-5.98	-10,160.5	115.4	3,165.2	2,997.3	167.97	18.844	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	-1.0	0.0	0.0	104.86	-29.3	110.2	114.1				
100.0	100.0	101.0	99.0	0.1	0.1	104.86	-29.3	110.2	114.1	113.8	0.26	438.884	
200.0	200.0	201.0	199.0	0.5	0.5	104.86	-29.3	110.2	114.1	113.1	0.98	116.768	
300.0	300.0	301.0	299.0	0.8	0.8	104.86	-29.3	110.2	114.1	112.4	1.69	67.342	
400.0	400.0	401.0	399.0	1.2	1.2	104.86	-29.3	110.2	114.1	111.7	2.41	47.315	
500.0	500.0	501.0	499.0	1.6	1.6	104.86	-29.3	110.2	114.1	110.9	3.13	36.469	
600.0	600.0	601.0	599.0	1.9	1.9	104.86	-29.3	110.2	114.1	110.2	3.84	29.668	
700.0	700.0	701.0	699.0	2.3	2.3	104.86	-29.3	110.2	114.1	109.5	4.56	25.005	
800.0	800.0	801.0	799.0	2.6	2.6	104.86	-29.3	110.2	114.1	108.8	5.28	21.609	
900.0	900.0	901.0	899.0	3.0	3.0	104.86	-29.3	110.2	114.1	108.1	6.00	19.025	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	104.86	-29.3	110.2	114.1	107.4	6.71	16.993	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	151.62	-29.3	110.2	114.8	107.4	7.43	15.462	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	152.22	-29.3	110.2	117.1	109.0	8.14	14.393	
1,300.0	1,299.9	1,301.1	1,298.9	4.4	4.4	153.16	-29.3	110.2	121.0	112.2	8.85	13.671	
1,400.0	1,399.7	1,401.3	1,398.7	4.8	4.8	154.38	-29.3	110.2	126.5	116.9	9.57	13.222	
1,500.0	1,499.4	1,498.4	1,498.4	5.1	5.1	155.81	-29.3	110.2	133.6	123.3	10.27	13.009	
1,600.0	1,598.9	1,600.2	1,600.2	5.5	5.5	157.26	-28.7	109.6	141.6	130.6	10.99	12.887	
1,700.0	1,698.3	1,702.2	1,702.2	5.9	5.9	158.55	-26.8	107.6	149.7	138.0	11.71	12.787	
1,800.0	1,797.4	1,804.4	1,804.3	6.3	6.2	159.72	-23.8	104.3	157.8	145.3	12.42	12.701	
1,900.0	1,896.4	1,906.9	1,906.5	6.6	6.6	160.69	-19.4	99.7	165.0	151.9	13.14	12.563	
2,000.0	1,995.5	2,009.5	2,008.9	7.0	7.0	161.40	-13.8	93.7	170.6	156.8	13.85	12.320	
2,100.0	2,094.5	2,112.4	2,111.2	7.4	7.3	161.88	-7.0	86.3	174.6	160.0	14.57	11.985	
2,200.0	2,193.5	2,215.4	2,213.5	7.8	7.7	162.16	1.1	77.6	176.8	161.5	15.28	11.572	
2,300.0	2,292.5	2,317.9	2,315.1	8.2	8.1	162.26	10.4	67.6	177.3	161.4	15.99	11.089	
2,400.0	2,391.6	2,417.9	2,414.1	8.6	8.5	162.30	19.9	57.4	177.3	160.6	16.72	10.605	
2,500.0	2,490.6	2,517.9	2,513.2	9.0	8.9	162.34	29.4	47.2	177.3	159.8	17.45	10.160	
2,600.0	2,589.6	2,617.9	2,612.2	9.4	9.2	162.37	38.8	37.0	177.2	159.1	18.18	9.750	
2,700.0	2,688.6	2,717.9	2,711.2	9.8	9.6	162.41	48.3	26.8	177.2	158.3	18.91	9.371	
2,800.0	2,787.7	2,817.9	2,810.2	10.2	10.0	162.45	57.8	16.6	177.2	157.5	19.64	9.019	
2,900.0	2,886.7	2,917.9	2,909.3	10.6	10.4	162.49	67.3	6.5	177.1	156.7	20.38	8.692	
3,000.0	2,985.7	3,017.9	3,008.3	11.0	10.8	162.53	76.8	-3.7	177.1	156.0	21.11	8.388	
3,100.0	3,084.8	3,117.9	3,107.3	11.4	11.2	162.57	86.2	-13.9	177.0	155.2	21.85	8.104	
3,200.0	3,183.8	3,217.9	3,206.4	11.8	11.6	162.61	95.7	-24.1	177.0	154.4	22.58	7.837	
3,300.0	3,282.8	3,317.9	3,305.4	12.3	12.0	162.65	105.2	-34.3	177.0	153.6	23.32	7.588	
3,400.0	3,381.8	3,417.9	3,404.4	12.7	12.4	162.69	114.7	-44.5	176.9	152.9	24.06	7.353	
3,500.0	3,480.9	3,517.9	3,503.4	13.1	12.8	162.73	124.2	-54.7	176.9	152.1	24.80	7.133	
3,600.0	3,579.9	3,617.9	3,602.5	13.5	13.2	162.77	133.6	-64.9	176.9	151.3	25.54	6.925	
3,700.0	3,678.9	3,717.9	3,701.5	13.9	13.6	162.81	143.1	-75.1	176.8	150.5	26.28	6.728	
3,800.0	3,777.9	3,817.9	3,800.5	14.3	14.0	162.85	152.6	-85.3	176.8	149.8	27.02	6.542	
3,900.0	3,877.0	3,917.9	3,899.5	14.7	14.4	162.89	162.1	-95.5	176.7	149.0	27.76	6.366	
4,000.0	3,976.0	4,017.9	3,998.6	15.1	14.8	162.93	171.5	-105.6	176.7	148.2	28.50	6.199	
4,100.0	4,075.0	4,117.9	4,097.6	15.6	15.2	162.96	181.0	-115.8	176.7	147.4	29.25	6.041	
4,200.0	4,174.0	4,217.9	4,196.6	16.0	15.6	163.00	190.5	-126.0	176.6	146.6	29.99	5.890	
4,300.0	4,273.1	4,317.9	4,295.6	16.4	16.1	163.04	200.0	-136.2	176.6	145.9	30.73	5.747	
4,400.0	4,372.1	4,417.9	4,394.7	16.8	16.5	163.08	209.5	-146.4	176.6	145.1	31.47	5.610	
4,500.0	4,471.1	4,517.9	4,493.7	17.2	16.9	163.12	218.9	-156.6	176.5	144.3	32.22	5.479	
4,600.0	4,570.2	4,617.9	4,592.7	17.6	17.3	163.16	228.4	-166.8	176.5	143.5	32.96	5.355	
4,700.0	4,669.2	4,717.9	4,691.8	18.0	17.7	163.20	237.9	-177.0	176.5	142.8	33.70	5.235	
4,767.4	4,735.9	4,785.3	4,758.5	18.3	18.0	163.23	244.3	-183.8	176.4	142.2	34.21	5.158	
4,800.0	4,768.2	4,817.9	4,790.8	18.5	18.1	163.23	247.4	-187.2	176.3	141.8	34.45	5.117	
4,900.0	4,867.5	4,917.9	4,889.8	18.9	18.5	163.05	256.9	-197.4	174.2	139.0	35.19	4.949	
5,000.0	4,967.1	5,017.7	4,988.7	19.2	18.9	162.60	266.3	-207.5	169.6	133.6	35.94	4.719	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	5,066.9	5,117.5	5,087.4	19.6	19.3	161.83	275.8	-217.7	162.5	125.8	36.68	4.430	
5,200.0	5,166.8	5,217.0	5,186.0	20.0	19.7	160.67	285.2	-227.8	153.0	115.6	37.43	4.087	
5,300.7	5,267.5	5,316.9	5,284.9	20.3	20.2	112.39	294.7	-238.0	141.0	102.8	38.19	3.692	
5,400.0	5,366.8	5,415.2	5,382.3	20.6	20.6	110.23	304.0	-248.0	128.1	89.2	38.96	3.289	
5,500.0	5,466.8	5,514.2	5,480.3	20.9	21.0	107.57	313.4	-258.1	115.4	75.7	39.75	2.903	
5,600.0	5,566.8	5,613.2	5,578.4	21.3	21.4	104.26	322.8	-268.2	103.0	62.4	40.58	2.538	
5,700.0	5,666.8	5,710.3	5,674.6	21.6	21.8	100.58	331.1	-277.2	92.1	50.6	41.45	2.221	
5,800.0	5,766.8	5,807.9	5,771.8	21.9	22.2	96.96	337.8	-284.4	83.7	41.4	42.31	1.979	
5,900.0	5,866.8	5,906.0	5,869.6	22.3	22.5	93.75	342.9	-289.8	77.7	34.6	43.14	1.802	
6,000.0	5,966.8	6,004.4	5,967.8	22.6	22.9	91.35	346.2	-293.4	73.9	30.0	43.91	1.684	
6,100.0	6,066.8	6,102.9	6,066.4	22.9	23.2	90.11	347.8	-295.1	72.2	27.5	44.62	1.617	
6,158.3	6,125.1	6,160.7	6,124.1	23.1	23.4	89.98	348.0	-295.3	72.0	27.0	45.00	1.600	
6,200.0	6,166.8	6,202.4	6,165.8	23.3	23.5	89.98	348.0	-295.3	72.0	26.7	45.28	1.589	
6,300.0	6,266.8	6,302.4	6,265.8	23.6	23.9	89.98	348.0	-295.3	72.0	26.0	45.97	1.566	
6,400.0	6,366.8	6,402.4	6,365.8	23.9	24.2	89.98	348.0	-295.3	72.0	25.3	46.65	1.543	
6,500.0	6,466.8	6,502.4	6,465.8	24.3	24.5	89.98	348.0	-295.3	72.0	24.6	47.33	1.521	
6,600.0	6,566.8	6,602.4	6,565.8	24.6	24.9	89.98	348.0	-295.3	72.0	24.0	48.01	1.499	Level 3
6,700.0	6,666.8	6,702.4	6,665.8	24.9	25.2	89.98	348.0	-295.3	72.0	23.3	48.70	1.478	Level 3
6,800.0	6,766.8	6,802.4	6,765.8	25.3	25.5	89.98	348.0	-295.3	72.0	22.6	49.39	1.458	Level 3
6,900.0	6,866.8	6,902.4	6,865.8	25.6	25.9	89.98	348.0	-295.3	72.0	21.9	50.07	1.438	Level 3
7,000.0	6,966.8	7,002.4	6,965.8	26.0	26.2	89.98	348.0	-295.3	72.0	21.2	50.76	1.418	Level 3
7,100.0	7,066.8	7,102.4	7,065.8	26.3	26.5	89.98	348.0	-295.3	72.0	20.5	51.45	1.399	Level 3
7,200.0	7,166.8	7,202.4	7,165.8	26.6	26.9	89.98	348.0	-295.3	72.0	19.8	52.14	1.381	Level 3
7,300.0	7,266.8	7,302.4	7,265.8	27.0	27.2	89.98	348.0	-295.3	72.0	19.2	52.83	1.363	Level 3
7,400.0	7,366.8	7,402.4	7,365.8	27.3	27.6	89.98	348.0	-295.3	72.0	18.5	53.52	1.345	Level 3
7,500.0	7,466.8	7,502.4	7,465.8	27.7	27.9	89.98	348.0	-295.3	72.0	17.8	54.21	1.328	Level 3
7,600.0	7,566.8	7,602.4	7,565.8	28.0	28.2	89.98	348.0	-295.3	72.0	17.1	54.90	1.311	Level 3
7,700.0	7,666.8	7,702.4	7,665.8	28.3	28.6	89.98	348.0	-295.3	72.0	16.4	55.59	1.295	Level 3
7,710.0	7,676.8	7,712.3	7,675.8	28.4	28.6	89.98	348.0	-295.3	72.0	16.3	55.66	1.293	Level 3, CC, ES, SF
7,800.0	7,766.8	7,801.3	7,764.3	28.7	28.9	96.44	339.8	-295.2	72.5	16.6	55.94	1.296	Level 3
7,900.0	7,866.8	7,894.9	7,854.8	29.0	29.1	113.42	316.6	-295.1	79.5	24.3	55.17	1.440	Level 3
8,000.0	7,966.8	7,979.0	7,932.0	29.4	29.2	131.64	283.5	-294.8	102.7	50.1	52.54	1.954	
8,100.0	8,066.8	8,052.0	7,994.6	29.7	29.4	144.54	245.8	-294.5	144.2	95.4	48.82	2.954	
8,200.0	8,166.8	8,114.1	8,043.6	30.1	29.4	152.48	207.7	-294.2	199.9	154.7	45.11	4.431	
8,300.0	8,266.8	8,166.4	8,081.5	30.4	29.5	157.41	171.7	-293.9	265.4	223.6	41.78	6.353	
8,400.0	8,366.8	8,210.4	8,110.6	30.7	29.5	160.62	138.8	-293.7	338.0	299.1	38.89	8.692	
8,500.0	8,466.8	8,250.0	8,134.7	31.1	29.5	162.94	107.4	-293.5	415.9	379.2	36.69	11.335	
8,600.0	8,566.8	8,278.9	8,150.9	31.4	29.5	164.37	83.4	-293.3	497.6	463.2	34.36	14.484	
8,700.0	8,666.8	8,300.0	8,161.9	31.8	29.5	165.29	65.4	-293.1	582.4	550.2	32.19	18.092	
8,800.0	8,766.8	8,328.7	8,175.8	32.1	29.5	166.41	40.3	-292.9	669.5	638.3	31.16	21.484	
8,900.0	8,866.8	8,350.0	8,185.3	32.5	29.5	167.15	21.3	-292.8	758.5	728.4	30.03	25.260	
9,000.0	8,966.8	8,366.2	8,192.1	32.8	29.5	167.67	6.6	-292.7	849.0	820.0	28.95	29.323	
9,100.0	9,066.8	8,381.5	8,198.1	33.2	29.5	168.13	-7.5	-292.6	940.7	912.5	28.13	33.444	
9,200.0	9,166.8	8,400.0	8,204.8	33.5	29.5	168.65	-24.8	-292.4	1,033.4	1,005.8	27.65	37.375	
9,300.0	9,266.8	8,400.0	8,204.8	33.9	29.5	168.65	-24.8	-292.4	1,127.0	1,100.4	26.64	42.304	
9,400.0	9,366.8	8,417.9	8,210.8	34.2	29.5	169.11	-41.6	-292.3	1,221.2	1,194.7	26.46	46.161	
9,500.0	9,466.8	8,427.6	8,213.9	34.6	29.5	169.34	-50.9	-292.2	1,316.1	1,290.0	26.10	50.418	
9,600.0	9,566.8	8,450.0	8,220.2	34.9	29.5	169.85	-72.3	-292.1	1,411.7	1,385.5	26.20	53.874	
9,700.0	9,666.8	8,450.0	8,220.2	35.2	29.5	169.85	-72.3	-292.1	1,507.3	1,481.5	25.76	58.503	
9,800.0	9,766.8	8,450.0	8,220.2	35.6	29.5	169.85	-72.3	-292.1	1,603.4	1,578.0	25.44	63.035	
9,900.0	9,866.8	8,450.0	8,220.2	35.9	29.5	169.85	-72.3	-292.1	1,700.0	1,674.8	25.20	67.454	
10,000.0	9,966.8	8,450.0	8,220.2	36.3	29.5	169.85	-72.3	-292.1	1,797.0	1,772.0	25.04	71.752	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,100.0	10,066.8	8,470.0	8,225.2	36.6	29.5	170.27	-91.7	-291.9	1,893.8	1,868.5	25.31	74.821	
10,200.0	10,166.8	8,475.3	8,226.4	37.0	29.5	170.38	-96.8	-291.9	1,991.1	1,965.8	25.33	78.605	
10,300.0	10,266.8	8,480.1	8,227.5	37.3	29.5	170.47	-101.5	-291.9	2,088.6	2,063.2	25.38	82.295	
10,340.2	10,307.0	8,500.0	8,231.4	37.5	29.5	170.84	-121.0	-291.7	2,128.2	2,102.5	25.69	82.839	
10,350.0	10,316.8	8,500.0	8,231.4	37.5	29.5	-2.75	-121.0	-291.7	2,137.8	2,112.1	25.69	83.220	
10,400.0	10,366.7	8,500.0	8,231.4	37.7	29.5	-2.03	-121.0	-291.7	2,185.8	2,160.1	25.65	85.230	
10,450.0	10,416.1	8,500.0	8,231.4	37.8	29.5	-1.61	-121.0	-291.7	2,232.5	2,207.0	25.56	87.330	
10,500.0	10,464.7	8,500.0	8,231.4	37.9	29.5	-1.34	-121.0	-291.7	2,277.8	2,252.3	25.45	89.489	
10,550.0	10,512.1	8,500.0	8,231.4	38.1	29.5	-1.15	-121.0	-291.7	2,321.2	2,295.9	25.32	91.681	
10,600.0	10,558.0	8,500.0	8,231.4	38.2	29.5	-1.01	-121.0	-291.7	2,362.7	2,337.5	25.17	93.878	
10,650.0	10,601.9	8,500.0	8,231.4	38.3	29.5	-0.90	-121.0	-291.7	2,401.9	2,376.9	25.01	96.047	
10,700.0	10,643.6	8,500.0	8,231.4	38.3	29.5	-0.82	-121.0	-291.7	2,438.8	2,413.9	24.85	98.153	
10,750.0	10,682.7	8,522.7	8,235.1	38.4	29.5	-0.68	-143.4	-291.5	2,472.5	2,447.6	24.92	99.217	
10,800.0	10,719.0	8,529.9	8,236.1	38.5	29.5	-0.61	-150.6	-291.5	2,503.7	2,478.9	24.83	100.843	
10,850.0	10,752.1	8,550.0	8,238.4	38.5	29.5	-0.52	-170.5	-291.3	2,532.1	2,507.2	24.86	101.864	
10,900.0	10,781.9	8,550.0	8,238.4	38.6	29.5	-0.50	-170.5	-291.3	2,557.0	2,532.3	24.72	103.443	
10,950.0	10,808.0	8,550.0	8,238.4	38.6	29.5	-0.47	-170.5	-291.3	2,578.9	2,554.3	24.62	104.758	
11,000.0	10,830.3	8,550.0	8,238.4	38.6	29.5	-0.46	-170.5	-291.3	2,597.6	2,573.0	24.56	105.766	
11,050.0	10,848.7	8,550.0	8,238.4	38.6	29.5	-0.45	-170.5	-291.3	2,613.0	2,588.4	24.55	106.428	
11,100.0	10,862.9	8,579.2	8,240.4	38.7	29.6	-0.37	-199.6	-291.1	2,624.2	2,599.5	24.72	106.158	
11,150.0	10,872.9	8,604.6	8,241.0	38.7	29.7	-0.31	-225.0	-290.9	2,632.7	2,607.8	24.89	105.792	
11,200.0	10,878.5	8,604.6	8,241.0	38.8	29.7	-0.31	-225.0	-290.9	2,637.0	2,612.0	24.99	105.515	
11,240.2	10,880.0	8,608.0	8,241.0	38.9	29.7	-0.31	-221.6	-290.9	2,638.0	2,612.9	25.14	104.928	
11,300.0	10,880.0	8,660.7	8,241.0	39.0	29.9	-0.20	-281.1	-290.5	2,638.0	2,612.5	25.48	103.544	
11,400.0	10,880.0	8,760.5	8,241.0	39.3	30.3	-0.06	-380.9	-289.7	2,638.0	2,611.9	26.13	100.953	
11,500.0	10,880.0	8,860.5	8,241.0	39.7	30.8	0.00	-480.9	-288.9	2,638.0	2,611.1	26.85	98.241	
11,524.8	10,880.0	8,885.3	8,241.0	39.8	30.9	0.00	-505.7	-288.7	2,638.0	2,611.0	27.04	97.562	
11,528.2	10,880.0	8,888.7	8,241.0	39.8	30.9	0.00	-509.1	-288.7	2,638.0	2,610.9	27.06	97.471	
11,600.0	10,880.0	8,960.5	8,241.0	40.1	31.3	0.00	-580.9	-288.2	2,638.0	2,610.4	27.64	95.452	
11,700.0	10,880.0	9,060.5	8,241.0	40.6	31.9	0.00	-680.9	-287.4	2,638.0	2,609.5	28.49	92.609	
11,800.0	10,880.0	9,160.5	8,241.0	41.1	32.6	0.00	-780.9	-286.6	2,638.0	2,608.6	29.39	89.750	
11,900.0	10,880.0	9,260.5	8,241.0	41.7	33.4	0.00	-880.9	-285.9	2,638.0	2,607.6	30.35	86.911	
12,000.0	10,880.0	9,360.5	8,241.0	42.4	34.2	0.00	-980.9	-285.1	2,638.0	2,606.6	31.36	84.118	
12,100.0	10,880.0	9,460.5	8,241.0	43.1	35.0	0.00	-1,080.9	-284.3	2,638.0	2,605.6	32.41	81.390	
12,200.0	10,880.0	9,560.5	8,241.0	43.8	36.0	0.00	-1,180.9	-283.6	2,638.0	2,604.5	33.50	78.741	
12,300.0	10,880.0	9,660.5	8,241.0	44.7	36.9	0.00	-1,280.9	-282.8	2,638.0	2,603.4	34.63	76.182	
12,400.0	10,880.0	9,760.5	8,241.0	45.5	37.9	0.00	-1,380.9	-282.0	2,638.0	2,602.2	35.79	73.717	
12,500.0	10,880.0	9,860.5	8,241.0	46.4	39.0	0.00	-1,480.8	-281.3	2,638.0	2,601.0	36.97	71.351	
12,600.0	10,880.0	9,960.5	8,241.0	47.3	40.1	0.00	-1,580.8	-280.5	2,638.0	2,599.8	38.19	69.084	
12,700.0	10,880.0	10,060.5	8,241.0	48.3	41.2	0.00	-1,680.8	-279.7	2,638.0	2,598.6	39.42	66.915	
12,800.0	10,880.0	10,160.5	8,241.0	49.3	42.4	0.00	-1,780.8	-279.0	2,638.0	2,597.3	40.68	64.844	
12,900.0	10,880.0	10,260.5	8,241.0	50.4	43.6	0.00	-1,880.8	-278.2	2,638.0	2,596.0	41.96	62.867	
13,000.0	10,880.0	10,360.5	8,241.0	51.5	44.8	0.00	-1,980.8	-277.4	2,638.0	2,594.7	43.26	60.981	
13,100.0	10,880.0	10,460.5	8,241.0	52.6	46.1	0.00	-2,080.8	-276.7	2,638.0	2,593.4	44.57	59.183	
13,200.0	10,880.0	10,560.5	8,241.0	53.7	47.4	0.00	-2,180.8	-275.9	2,638.0	2,592.1	45.90	57.468	
13,300.0	10,880.0	10,660.5	8,241.0	54.9	48.7	0.00	-2,280.8	-275.1	2,638.0	2,590.8	47.25	55.834	
13,400.0	10,880.0	10,760.5	8,241.0	56.0	50.0	0.00	-2,380.8	-274.3	2,638.0	2,589.4	48.60	54.275	
13,500.0	10,880.0	10,860.5	8,241.0	57.3	51.3	0.00	-2,480.8	-273.6	2,638.0	2,588.0	49.97	52.788	
13,600.0	10,880.0	10,960.5	8,241.0	58.5	52.7	0.00	-2,580.8	-272.8	2,638.0	2,586.6	51.35	51.369	
13,700.0	10,880.0	11,060.5	8,241.0	59.7	54.1	0.00	-2,680.8	-272.0	2,638.0	2,585.3	52.74	50.015	
13,800.0	10,880.0	11,160.5	8,241.0	61.0	55.5	0.00	-2,780.8	-271.3	2,638.0	2,583.9	54.14	48.722	
13,900.0	10,880.0	11,260.5	8,241.0	62.3	56.9	0.00	-2,880.8	-270.5	2,638.0	2,582.4	55.55	47.487	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,000.0	10,880.0	11,360.5	8,241.0	63.6	58.3	0.00	-2,980.8	-269.7	2,638.0	2,581.0	56.97	46.306	
14,100.0	10,880.0	11,460.5	8,241.0	64.9	59.7	0.00	-3,080.8	-269.0	2,638.0	2,579.6	58.39	45.176	
14,200.0	10,880.0	11,560.5	8,241.0	66.2	61.2	0.00	-3,180.8	-268.2	2,638.0	2,578.2	59.83	44.095	
14,300.0	10,880.0	11,660.5	8,241.0	67.6	62.6	0.00	-3,280.8	-267.4	2,638.0	2,576.7	61.26	43.060	
14,400.0	10,880.0	11,760.5	8,241.0	69.0	64.1	0.00	-3,380.8	-266.7	2,638.0	2,575.3	62.71	42.069	
14,500.0	10,880.0	11,860.5	8,241.0	70.3	65.5	0.00	-3,480.8	-265.9	2,638.0	2,573.8	64.16	41.118	
14,600.0	10,880.0	11,960.5	8,241.0	71.7	67.0	0.00	-3,580.8	-265.1	2,638.0	2,572.4	65.61	40.206	
14,700.0	10,880.0	12,060.5	8,241.0	73.1	68.5	0.00	-3,680.8	-264.4	2,638.0	2,570.9	67.07	39.331	
14,800.0	10,880.0	12,160.5	8,241.0	74.5	70.0	0.00	-3,780.8	-263.6	2,638.0	2,569.5	68.54	38.490	
14,900.0	10,880.0	12,260.5	8,241.0	75.9	71.5	0.00	-3,880.8	-262.8	2,638.0	2,568.0	70.01	37.682	
15,000.0	10,880.0	12,360.5	8,241.0	77.4	73.0	0.00	-3,980.8	-262.1	2,638.0	2,566.5	71.48	36.905	
15,100.0	10,880.0	12,460.5	8,241.0	78.8	74.5	0.00	-4,080.8	-261.3	2,638.0	2,565.0	72.96	36.158	
15,200.0	10,880.0	12,560.5	8,241.0	80.3	76.0	0.00	-4,180.8	-260.5	2,638.0	2,563.6	74.44	35.438	
15,300.0	10,880.0	12,660.5	8,241.0	81.7	77.6	0.00	-4,280.8	-259.8	2,638.0	2,562.1	75.92	34.745	
15,400.0	10,880.0	12,760.5	8,241.0	83.2	79.1	0.00	-4,380.8	-259.0	2,638.0	2,560.6	77.41	34.077	
15,500.0	10,880.0	12,860.5	8,241.0	84.6	80.6	0.00	-4,480.8	-258.2	2,638.0	2,559.1	78.90	33.433	
15,600.0	10,880.0	12,960.5	8,241.0	86.1	82.2	0.00	-4,580.8	-257.5	2,638.0	2,557.6	80.40	32.812	
15,700.0	10,880.0	13,060.5	8,241.0	87.6	83.7	0.00	-4,680.8	-256.7	2,638.0	2,556.1	81.89	32.212	
15,800.0	10,880.0	13,160.5	8,241.0	89.1	85.3	0.00	-4,780.8	-255.9	2,638.0	2,554.6	83.39	31.633	
15,900.0	10,880.0	13,260.5	8,241.0	90.6	86.8	0.00	-4,880.7	-255.1	2,638.0	2,553.1	84.90	31.074	
16,000.0	10,880.0	13,360.5	8,241.0	92.1	88.4	0.00	-4,980.7	-254.4	2,638.0	2,551.6	86.40	30.533	
16,100.0	10,880.0	13,460.5	8,241.0	93.6	89.9	0.00	-5,080.7	-253.6	2,638.0	2,550.1	87.91	30.009	
16,200.0	10,880.0	13,560.5	8,241.0	95.1	91.5	0.00	-5,180.7	-252.8	2,638.0	2,548.6	89.41	29.503	
16,300.0	10,880.0	13,660.5	8,241.0	96.6	93.1	0.00	-5,280.7	-252.1	2,638.0	2,547.1	90.93	29.013	
16,400.0	10,880.0	13,760.5	8,241.0	98.1	94.6	0.00	-5,380.7	-251.3	2,638.0	2,545.6	92.44	28.538	
16,500.0	10,880.0	13,860.5	8,241.0	99.6	96.2	0.00	-5,480.7	-250.5	2,638.0	2,544.0	93.95	28.078	
16,600.0	10,880.0	13,960.5	8,241.0	101.1	97.8	0.00	-5,580.7	-249.8	2,638.0	2,542.5	95.47	27.632	
16,700.0	10,880.0	14,060.5	8,241.0	102.7	99.3	0.00	-5,680.7	-249.0	2,638.0	2,541.0	96.99	27.200	
16,800.0	10,880.0	14,160.5	8,241.0	104.2	100.9	0.00	-5,780.7	-248.2	2,638.0	2,539.5	98.51	26.780	
16,900.0	10,880.0	14,260.5	8,241.0	105.7	102.5	0.00	-5,880.7	-247.5	2,638.0	2,538.0	100.03	26.373	
17,000.0	10,880.0	14,360.5	8,241.0	107.3	104.1	0.00	-5,980.7	-246.7	2,638.0	2,536.4	101.55	25.977	
17,100.0	10,880.0	14,460.5	8,241.0	108.8	105.7	0.00	-6,080.7	-245.9	2,638.0	2,534.9	103.07	25.593	
17,200.0	10,880.0	14,560.5	8,241.0	110.4	107.3	0.00	-6,180.7	-245.2	2,638.0	2,533.4	104.60	25.220	
17,300.0	10,880.0	14,660.5	8,241.0	111.9	108.9	0.00	-6,280.7	-244.4	2,638.0	2,531.9	106.13	24.857	
17,400.0	10,880.0	14,760.5	8,241.0	113.5	110.4	0.00	-6,380.7	-243.6	2,638.0	2,530.3	107.65	24.505	
17,500.0	10,880.0	14,860.5	8,241.0	115.0	112.0	0.00	-6,480.7	-242.9	2,638.0	2,528.8	109.18	24.161	
17,600.0	10,880.0	14,960.5	8,241.0	116.6	113.6	0.00	-6,580.7	-242.1	2,638.0	2,527.3	110.71	23.828	
17,700.0	10,880.0	15,060.5	8,241.0	118.2	115.2	0.00	-6,680.7	-241.3	2,638.0	2,525.8	112.24	23.502	
17,800.0	10,880.0	15,160.5	8,241.0	119.7	116.8	0.00	-6,780.7	-240.6	2,638.0	2,524.2	113.78	23.186	
17,900.0	10,880.0	15,260.5	8,241.0	121.3	118.4	0.00	-6,880.7	-239.8	2,638.0	2,522.7	115.31	22.878	
18,000.0	10,880.0	15,360.5	8,241.0	122.8	120.0	0.00	-6,980.7	-239.0	2,638.0	2,521.2	116.84	22.577	
18,100.0	10,880.0	15,460.5	8,241.0	124.4	121.6	0.00	-7,080.7	-238.3	2,638.0	2,519.6	118.38	22.285	
18,200.0	10,880.0	15,560.5	8,241.0	126.0	123.2	0.00	-7,180.7	-237.5	2,638.0	2,518.1	119.91	21.999	
18,300.0	10,880.0	15,660.5	8,241.0	127.6	124.8	0.00	-7,280.7	-236.7	2,638.0	2,516.5	121.45	21.721	
18,400.0	10,880.0	15,760.5	8,241.0	129.1	126.4	0.00	-7,380.7	-236.0	2,638.0	2,515.0	122.99	21.449	
18,500.0	10,880.0	15,860.5	8,241.0	130.7	128.0	0.00	-7,480.7	-235.2	2,638.0	2,513.5	124.53	21.184	
18,600.0	10,880.0	15,960.5	8,241.0	132.3	129.7	0.00	-7,580.7	-234.4	2,638.0	2,511.9	126.07	20.926	
18,700.0	10,880.0	16,060.5	8,241.0	133.9	131.3	0.00	-7,680.7	-233.6	2,638.0	2,510.4	127.61	20.673	
18,800.0	10,880.0	16,160.5	8,241.0	135.5	132.9	0.00	-7,780.7	-232.9	2,638.0	2,508.9	129.15	20.426	
18,900.0	10,880.0	16,260.5	8,241.0	137.0	134.5	0.00	-7,880.7	-232.1	2,638.0	2,507.3	130.69	20.186	
19,000.0	10,880.0	16,360.5	8,241.0	138.6	136.1	0.00	-7,980.7	-231.3	2,638.0	2,505.8	132.23	19.950	
19,100.0	10,880.0	16,460.5	8,241.0	140.2	137.7	0.00	-8,080.7	-230.6	2,638.0	2,504.2	133.77	19.720	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
19,200.0	10,880.0	16,560.5	8,241.0	141.8	139.3	0.00	-8,180.6	-229.8	2,638.0	2,502.7	135.32	19.495	
19,300.0	10,880.0	16,660.5	8,241.0	143.4	140.9	0.00	-8,280.6	-229.0	2,638.0	2,501.1	136.86	19.275	
19,400.0	10,880.0	16,760.5	8,241.0	145.0	142.6	0.00	-8,380.6	-228.3	2,638.0	2,499.6	138.40	19.060	
19,500.0	10,880.0	16,860.5	8,241.0	146.6	144.2	0.00	-8,480.6	-227.5	2,638.0	2,498.1	139.95	18.850	
19,600.0	10,880.0	16,960.5	8,241.0	148.2	145.8	0.00	-8,580.6	-226.7	2,638.0	2,496.5	141.49	18.644	
19,700.0	10,880.0	17,060.5	8,241.0	149.8	147.4	0.00	-8,680.6	-226.0	2,638.0	2,495.0	143.04	18.442	
19,800.0	10,880.0	17,160.5	8,241.0	151.4	149.0	0.00	-8,780.6	-225.2	2,638.0	2,493.4	144.59	18.245	
19,900.0	10,880.0	17,260.5	8,241.0	153.0	150.7	0.00	-8,880.6	-224.4	2,638.0	2,491.9	146.13	18.052	
20,000.0	10,880.0	17,360.5	8,241.0	154.6	152.3	0.00	-8,980.6	-223.7	2,638.0	2,490.3	147.68	17.863	
20,100.0	10,880.0	17,460.5	8,241.0	156.2	153.9	0.00	-9,080.6	-222.9	2,638.0	2,488.8	149.23	17.678	
20,200.0	10,880.0	17,560.5	8,241.0	157.8	155.5	0.00	-9,180.6	-222.1	2,638.0	2,487.2	150.78	17.496	
20,300.0	10,880.0	17,660.5	8,241.0	159.4	157.1	0.00	-9,280.6	-221.4	2,638.0	2,485.7	152.33	17.318	
20,400.0	10,880.0	17,760.5	8,241.0	161.0	158.8	0.00	-9,380.6	-220.6	2,638.0	2,484.1	153.88	17.144	
20,500.0	10,880.0	17,860.5	8,241.0	162.6	160.4	0.00	-9,480.6	-219.8	2,638.0	2,482.6	155.42	16.973	
20,600.0	10,880.0	17,960.5	8,241.0	164.2	162.0	0.00	-9,580.6	-219.1	2,638.0	2,481.0	156.98	16.805	
20,700.0	10,880.0	18,060.5	8,241.0	165.8	163.6	0.00	-9,680.6	-218.3	2,638.0	2,479.5	158.53	16.641	
20,800.0	10,880.0	18,160.5	8,241.0	167.4	165.3	0.00	-9,780.6	-217.5	2,638.0	2,477.9	160.08	16.480	
20,900.0	10,880.0	18,260.5	8,241.0	169.0	166.9	0.00	-9,880.6	-216.8	2,638.0	2,476.4	161.63	16.321	
21,000.0	10,880.0	18,360.5	8,241.0	170.6	168.5	0.00	-9,980.6	-216.0	2,638.0	2,474.8	163.18	16.166	
21,100.0	10,880.0	18,460.5	8,241.0	172.2	170.1	0.00	-10,080.6	-215.2	2,638.0	2,473.3	164.73	16.014	
21,182.4	10,880.0	18,542.9	8,241.0	173.4	171.5	0.00	-10,163.0	-214.6	2,638.0	2,472.3	165.69	15.921	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	-1.0	0.0	0.0	101.71	-29.1	140.3	143.3				
100.0	100.0	101.0	99.0	0.1	0.1	101.71	-29.1	140.3	143.3	143.0	0.26	551.193	
200.0	200.0	201.0	199.0	0.5	0.5	101.71	-29.1	140.3	143.3	142.3	0.98	146.648	
300.0	300.0	301.0	299.0	0.8	0.8	101.71	-29.1	140.3	143.3	141.6	1.69	84.575	
400.0	400.0	401.0	399.0	1.2	1.2	101.71	-29.1	140.3	143.3	140.8	2.41	59.422	
500.0	500.0	501.0	499.0	1.6	1.6	101.71	-29.1	140.3	143.3	140.1	3.13	45.801	
600.0	600.0	601.0	599.0	1.9	1.9	101.71	-29.1	140.3	143.3	139.4	3.84	37.260	
700.0	700.0	701.0	699.0	2.3	2.3	101.71	-29.1	140.3	143.3	138.7	4.56	31.404	
800.0	800.0	801.0	799.0	2.6	2.6	101.71	-29.1	140.3	143.3	138.0	5.28	27.139	
900.0	900.0	901.0	899.0	3.0	3.0	101.71	-29.1	140.3	143.3	137.3	6.00	23.893	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	101.71	-29.1	140.3	143.3	136.5	6.71	21.341	CC, ES
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	148.44	-29.1	140.3	144.0	136.6	7.43	19.389	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	148.96	-29.1	140.3	146.2	138.1	8.14	17.967	
1,300.0	1,299.9	1,301.1	1,298.9	4.4	4.4	149.80	-29.1	140.3	150.0	141.1	8.85	16.943	
1,400.0	1,399.7	1,401.3	1,398.7	4.8	4.8	150.91	-29.1	140.3	155.3	145.7	9.57	16.233	
1,500.0	1,499.4	1,501.6	1,498.4	5.1	5.2	152.22	-29.1	140.3	162.2	151.9	10.28	15.774	
1,600.0	1,598.9	1,602.1	1,597.9	5.5	5.5	153.68	-29.1	140.3	170.7	159.7	11.00	15.522	
1,700.0	1,698.3	1,702.7	1,697.3	5.9	5.9	155.23	-29.1	140.3	181.0	169.3	11.72	15.442	
1,800.0	1,797.4	1,803.6	1,796.4	6.3	6.2	156.80	-29.1	140.3	192.9	180.5	12.44	15.508	
1,900.0	1,896.4	1,904.6	1,895.4	6.6	6.6	158.33	-29.1	140.3	205.8	192.6	13.16	15.636	
2,000.0	1,995.5	2,005.5	1,994.5	7.0	7.0	159.67	-29.1	140.3	218.8	204.9	13.88	15.761	
2,100.0	2,094.5	2,106.5	2,093.5	7.4	7.3	160.86	-29.1	140.3	231.9	217.3	14.61	15.879	
2,200.0	2,193.5	2,207.5	2,192.5	7.8	7.7	161.93	-29.1	140.3	245.1	229.8	15.33	15.992	
2,300.0	2,292.5	2,308.5	2,291.5	8.2	8.0	162.89	-29.1	140.3	258.4	242.4	16.05	16.098	
2,400.0	2,391.6	2,409.4	2,390.6	8.6	8.4	163.75	-29.1	140.3	271.7	255.0	16.78	16.198	
2,500.0	2,490.6	2,489.6	2,489.6	9.0	8.7	164.53	-29.1	140.3	285.1	267.7	17.43	16.363	
2,600.0	2,589.6	2,589.2	2,589.2	9.4	9.1	165.11	-28.4	140.5	298.5	280.4	18.15	16.450	
2,700.0	2,688.6	2,688.9	2,688.9	9.8	9.4	165.33	-26.2	141.4	311.7	292.8	18.87	16.519	
2,800.0	2,787.7	2,788.7	2,788.6	10.2	9.8	165.22	-22.3	143.0	324.7	305.1	19.59	16.572	
2,900.0	2,886.7	2,888.5	2,888.2	10.6	10.1	164.82	-16.9	145.2	337.4	317.1	20.32	16.611	
3,000.0	2,985.7	2,988.3	2,987.7	11.0	10.5	164.17	-9.8	148.1	350.1	329.0	21.04	16.637	
3,100.0	3,084.8	3,087.9	3,086.9	11.4	10.8	163.29	-1.1	151.6	362.6	340.8	21.77	16.654	
3,200.0	3,183.8	3,187.4	3,185.8	11.8	11.2	162.21	9.1	155.7	375.0	352.5	22.50	16.667	
3,300.0	3,282.8	3,286.6	3,284.2	12.3	11.6	160.94	20.9	160.5	387.6	364.3	23.24	16.677	
3,400.0	3,381.8	3,385.4	3,382.0	12.7	11.9	159.60	33.7	165.6	400.2	376.2	23.98	16.691	
3,500.0	3,480.9	3,484.2	3,479.8	13.1	12.3	158.35	46.4	170.8	413.1	388.4	24.72	16.710	
3,600.0	3,579.9	3,583.0	3,577.6	13.5	12.7	157.17	59.1	175.9	426.1	400.7	25.47	16.732	
3,700.0	3,678.9	3,681.8	3,675.4	13.9	13.0	156.06	71.9	181.1	439.3	413.1	26.22	16.758	
3,800.0	3,777.9	3,780.5	3,773.3	14.3	13.4	155.01	84.6	186.2	452.7	425.7	26.97	16.785	
3,900.0	3,877.0	3,879.3	3,871.1	14.7	13.8	154.02	97.4	191.4	466.2	438.5	27.73	16.814	
4,000.0	3,976.0	3,978.1	3,968.9	15.1	14.2	153.09	110.1	196.6	479.9	451.4	28.49	16.845	
4,100.0	4,075.0	4,076.8	4,066.7	15.6	14.5	152.21	122.9	201.7	493.6	464.4	29.25	16.877	
4,200.0	4,174.0	4,175.6	4,164.5	16.0	14.9	151.38	135.6	206.9	507.5	477.5	30.01	16.909	
4,300.0	4,273.1	4,274.4	4,262.3	16.4	15.3	150.59	148.3	212.0	521.5	490.7	30.78	16.942	
4,400.0	4,372.1	4,373.2	4,360.1	16.8	15.7	149.85	161.1	217.2	535.5	504.0	31.55	16.975	
4,500.0	4,471.1	4,471.9	4,457.9	17.2	16.1	149.14	173.8	222.3	549.7	517.3	32.32	17.008	
4,600.0	4,570.2	4,570.7	4,555.7	17.6	16.5	148.47	186.6	227.5	563.9	530.8	33.09	17.041	
4,700.0	4,669.2	4,669.5	4,653.5	18.0	16.9	147.83	199.3	232.6	578.2	544.3	33.86	17.075	
4,767.4	4,735.9	4,736.1	4,719.5	18.3	17.1	147.41	207.9	236.1	587.9	553.5	34.38	17.097	
4,800.0	4,768.2	4,768.2	4,751.4	18.5	17.2	147.25	212.1	237.8	592.4	557.8	34.64	17.104	
4,900.0	4,867.5	4,867.2	4,849.3	18.9	17.6	146.66	224.8	242.9	605.1	569.7	35.41	17.088	
5,000.0	4,967.1	4,966.3	4,947.4	19.2	18.0	145.95	237.6	248.1	615.6	579.5	36.18	17.017	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	5,066.9	5,065.4	5,045.6	19.6	18.4	145.11	250.4	253.3	624.2	587.2	36.94	16.896	
5,200.0	5,166.8	5,164.5	5,143.8	20.0	18.8	144.15	263.2	258.5	630.8	593.1	37.70	16.731	
5,300.7	5,267.5	5,264.4	5,242.7	20.3	19.2	96.50	276.1	263.7	635.5	597.0	38.46	16.524	
5,400.0	5,366.8	5,362.7	5,340.0	20.6	19.6	95.32	288.8	268.8	639.4	600.2	39.20	16.311	
5,500.0	5,466.8	5,461.7	5,438.1	20.9	20.0	94.14	301.5	274.0	643.5	603.6	39.94	16.111	
5,600.0	5,566.8	5,560.7	5,536.1	21.3	20.4	92.98	314.3	279.1	648.0	607.3	40.69	15.926	
5,700.0	5,666.8	5,663.9	5,638.4	21.6	20.8	91.84	327.0	284.3	652.5	611.0	41.46	15.737	
5,800.0	5,766.8	5,769.8	5,743.7	21.9	21.2	90.91	337.5	288.5	656.3	614.0	42.24	15.536	
5,900.0	5,866.8	5,876.2	5,849.7	22.3	21.6	90.22	345.4	291.7	659.2	616.2	43.01	15.327	
6,000.0	5,966.8	5,983.0	5,956.4	22.6	22.0	89.78	350.5	293.8	661.1	617.3	43.76	15.108	
6,100.0	6,066.8	6,090.0	6,063.4	22.9	22.4	89.58	352.8	294.7	662.0	617.5	44.49	14.879	
6,200.0	6,166.8	6,207.6	6,165.8	23.3	22.8	89.57	353.0	294.8	662.1	616.8	45.24	14.634	
6,300.0	6,266.8	6,307.6	6,265.8	23.6	23.1	89.57	353.0	294.8	662.1	616.1	45.93	14.416	
6,400.0	6,366.8	6,407.6	6,365.8	23.9	23.5	89.57	353.0	294.8	662.1	615.5	46.61	14.203	
6,500.0	6,466.8	6,507.6	6,465.8	24.3	23.8	89.57	353.0	294.8	662.1	614.8	47.30	13.997	
6,600.0	6,566.8	6,607.6	6,565.8	24.6	24.2	89.57	353.0	294.8	662.1	614.1	47.99	13.796	
6,700.0	6,666.8	6,707.6	6,665.8	24.9	24.5	89.57	353.0	294.8	662.1	613.4	48.68	13.600	
6,800.0	6,766.8	6,807.6	6,765.8	25.3	24.9	89.57	353.0	294.8	662.1	612.7	49.37	13.410	
6,900.0	6,866.8	6,907.6	6,865.8	25.6	25.2	89.57	353.0	294.8	662.1	612.0	50.06	13.225	
7,000.0	6,966.8	7,007.6	6,965.8	26.0	25.5	89.57	353.0	294.8	662.1	611.3	50.75	13.045	
7,100.0	7,066.8	7,107.6	7,065.8	26.3	25.9	89.57	353.0	294.8	662.1	610.6	51.45	12.869	
7,200.0	7,166.8	7,207.6	7,165.8	26.6	26.2	89.57	353.0	294.8	662.1	609.9	52.14	12.698	
7,300.0	7,266.8	7,307.6	7,265.8	27.0	26.6	89.57	353.0	294.8	662.1	609.2	52.83	12.532	
7,400.0	7,366.8	7,407.6	7,365.8	27.3	26.9	89.57	353.0	294.8	662.1	608.5	53.53	12.369	
7,500.0	7,466.8	7,507.6	7,465.8	27.7	27.3	89.57	353.0	294.8	662.1	607.8	54.22	12.210	
7,600.0	7,566.8	7,607.6	7,565.8	28.0	27.6	89.57	353.0	294.8	662.1	607.1	54.92	12.056	
7,700.0	7,666.8	7,707.6	7,665.8	28.3	28.0	89.57	353.0	294.8	662.1	606.5	55.61	11.905	
7,800.0	7,766.8	7,807.6	7,765.8	28.7	28.3	89.57	353.0	294.8	662.1	605.8	56.31	11.758	
7,900.0	7,866.8	7,907.6	7,865.8	29.0	28.7	89.57	353.0	294.8	662.1	605.1	57.01	11.614	
8,000.0	7,966.8	8,007.6	7,965.8	29.4	29.0	89.57	353.0	294.8	662.1	604.4	57.70	11.473	
8,100.0	8,066.8	8,107.6	8,065.8	29.7	29.4	89.57	353.0	294.8	662.1	603.7	58.40	11.336	
8,200.0	8,166.8	8,192.4	8,165.8	30.1	29.7	89.57	353.0	294.8	662.1	603.0	59.05	11.212	
8,300.0	8,266.8	8,283.5	8,256.7	30.4	30.0	89.98	348.2	295.3	662.6	602.9	59.66	11.106	
8,400.0	8,366.8	8,369.4	8,340.7	30.7	30.2	91.47	330.9	297.1	665.1	604.9	60.17	11.053 SF	
8,500.0	8,466.8	8,448.6	8,415.1	31.1	30.4	93.76	304.1	300.0	670.6	610.1	60.52	11.081	
8,600.0	8,566.8	8,519.2	8,477.7	31.4	30.5	96.47	271.8	303.4	680.7	620.1	60.61	11.232	
8,700.0	8,666.8	8,580.7	8,528.6	31.8	30.6	99.29	237.6	307.1	697.0	636.6	60.33	11.552	
8,800.0	8,766.8	8,633.6	8,569.3	32.1	30.6	101.99	204.0	310.7	720.4	660.8	59.61	12.085	
8,900.0	8,866.8	8,678.9	8,601.5	32.5	30.7	104.45	172.3	314.1	751.6	693.2	58.43	12.863	
9,000.0	8,966.8	8,717.7	8,627.0	32.8	30.7	106.65	143.3	317.2	790.6	733.8	56.87	13.903	
9,100.0	9,066.8	8,750.0	8,646.7	33.2	30.8	108.51	117.8	319.9	837.1	782.1	55.01	15.219	
9,200.0	9,166.8	8,779.6	8,663.5	33.5	30.8	110.24	93.6	322.5	890.4	837.4	53.03	16.790	
9,300.0	9,266.8	8,800.0	8,674.3	33.9	30.8	111.44	76.4	324.3	949.7	898.8	50.88	18.667	
9,400.0	9,366.8	8,826.1	8,687.2	34.2	30.9	112.97	53.8	326.7	1,014.2	965.2	48.97	20.710	
9,500.0	9,466.8	8,850.0	8,698.1	34.6	30.9	114.36	32.7	329.0	1,083.3	1,036.1	47.17	22.965	
9,600.0	9,566.8	8,850.0	8,698.1	34.9	30.9	114.36	32.7	329.0	1,156.3	1,111.3	45.01	25.692	
9,700.0	9,666.8	8,876.7	8,709.3	35.2	30.9	115.91	8.5	331.6	1,232.3	1,188.7	43.64	28.240	
9,800.0	9,766.8	8,900.0	8,718.0	35.6	31.0	117.23	-12.9	333.9	1,311.3	1,269.0	42.36	30.956	
9,900.0	9,866.8	8,900.0	8,718.0	35.9	31.0	117.23	-12.9	333.9	1,392.5	1,351.8	40.79	34.143	
10,000.0	9,966.8	8,900.0	8,718.0	36.3	31.0	117.23	-12.9	333.9	1,476.1	1,436.7	39.40	37.463	
10,100.0	10,066.8	8,922.4	8,725.6	36.6	31.0	118.49	-33.8	336.1	1,560.9	1,522.4	38.59	40.448	
10,200.0	10,166.8	8,931.2	8,728.4	37.0	31.0	118.98	-42.2	337.0	1,647.5	1,609.8	37.67	43.738	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,300.0	10,266.8	8,950.0	8,733.9	37.3	31.1	120.02	-60.1	338.9	1,735.5	1,698.5	37.03	46.868	
10,340.2	10,307.0	8,950.0	8,733.9	37.5	31.1	120.02	-60.1	338.9	1,771.1	1,734.4	36.68	48.283	
10,350.0	10,316.8	8,950.0	8,733.9	37.5	31.1	-52.29	-60.1	338.9	1,779.8	1,743.2	36.60	48.630	
10,400.0	10,366.7	8,950.0	8,733.9	37.7	31.1	-45.52	-60.1	338.9	1,823.5	1,787.3	36.16	50.431	
10,450.0	10,416.1	8,950.0	8,733.9	37.8	31.1	-40.04	-60.1	338.9	1,866.0	1,830.3	35.70	52.265	
10,500.0	10,464.7	8,950.0	8,733.9	37.9	31.1	-35.63	-60.1	338.9	1,907.0	1,871.8	35.24	54.117	
10,550.0	10,512.1	8,950.0	8,733.9	38.1	31.1	-32.05	-60.1	338.9	1,946.5	1,911.7	34.77	55.973	
10,600.0	10,558.0	8,972.3	8,739.6	38.2	31.1	-28.80	-81.5	341.2	1,983.5	1,948.9	34.61	57.314	
10,650.0	10,601.9	8,980.0	8,741.4	38.3	31.1	-26.40	-89.0	342.0	2,018.7	1,984.4	34.24	58.955	
10,700.0	10,643.6	9,000.0	8,745.5	38.3	31.2	-24.33	-108.4	344.1	2,051.6	2,017.6	34.03	60.298	
10,750.0	10,682.7	9,000.0	8,745.5	38.4	31.2	-22.81	-108.4	344.1	2,081.8	2,048.3	33.58	61.996	
10,800.0	10,719.0	9,000.0	8,745.5	38.5	31.2	-21.55	-108.4	344.1	2,109.5	2,076.4	33.17	63.604	
10,850.0	10,752.1	9,000.0	8,745.5	38.5	31.2	-20.51	-108.4	344.1	2,134.7	2,101.9	32.79	65.096	
10,900.0	10,781.9	9,025.1	8,749.7	38.6	31.2	-19.55	-133.0	346.7	2,156.4	2,123.7	32.68	65.979	
10,950.0	10,808.0	9,050.0	8,752.9	38.6	31.3	-18.78	-157.6	349.3	2,175.7	2,143.1	32.58	66.772	
11,000.0	10,830.3	9,050.0	8,752.9	38.6	31.3	-18.25	-157.6	349.3	2,191.4	2,159.1	32.32	67.800	
11,050.0	10,848.7	9,050.0	8,752.9	38.6	31.3	-17.84	-157.6	349.3	2,204.2	2,172.1	32.13	68.610	
11,100.0	10,862.9	9,050.0	8,752.9	38.7	31.3	-17.54	-157.6	349.3	2,214.0	2,182.0	32.00	69.178	
11,150.0	10,872.9	9,076.6	8,755.0	38.7	31.4	-17.31	-183.9	352.1	2,220.1	2,188.1	32.07	69.227	
11,200.0	10,878.5	9,100.0	8,755.9	38.8	31.4	-17.21	-207.2	354.6	2,223.4	2,191.2	32.16	69.146	
11,240.2	10,880.0	9,100.0	8,755.9	38.9	31.4	-17.21	-207.2	354.6	2,223.4	2,191.2	32.20	69.047	
11,288.7	10,880.0	9,106.1	8,755.9	39.0	31.5	-17.23	-213.2	355.3	2,222.7	2,190.4	32.34	68.735	
11,300.0	10,880.0	9,109.6	8,756.0	39.0	31.5	-17.23	-216.8	355.6	2,222.7	2,190.4	32.38	68.643	
11,400.0	10,880.0	9,232.3	8,756.0	39.3	31.9	-17.27	-339.0	366.1	2,223.2	2,190.3	32.97	67.442	
11,500.0	10,880.0	9,362.2	8,756.0	39.7	32.4	-17.28	-468.8	371.4	2,223.4	2,189.7	33.65	66.074	
11,528.2	10,880.0	9,402.5	8,756.0	39.8	32.6	-17.28	-504.0	371.8	2,223.4	2,189.5	33.87	65.638	
11,600.0	10,880.0	9,469.3	8,756.0	40.1	33.0	-17.28	-575.8	372.4	2,223.4	2,189.0	34.37	64.682	
11,700.0	10,880.0	9,569.3	8,756.0	40.6	33.5	-17.28	-675.8	373.1	2,223.4	2,188.2	35.16	63.235	
11,800.0	10,880.0	9,669.3	8,756.0	41.1	34.2	-17.28	-775.8	373.9	2,223.4	2,187.4	36.02	61.728	
11,900.0	10,880.0	9,769.3	8,756.0	41.7	34.9	-17.28	-875.8	374.7	2,223.4	2,186.4	36.94	60.183	
12,000.0	10,880.0	9,869.3	8,756.0	42.4	35.7	-17.28	-975.8	375.4	2,223.4	2,185.5	37.93	58.617	
12,100.0	10,880.0	9,969.3	8,756.0	43.1	36.5	-17.28	-1,075.8	376.2	2,223.4	2,184.4	38.97	57.048	
12,200.0	10,880.0	10,069.3	8,756.0	43.8	37.4	-17.28	-1,175.8	376.9	2,223.4	2,183.3	40.07	55.487	
12,300.0	10,880.0	10,169.3	8,756.0	44.7	38.3	-17.28	-1,275.8	377.7	2,223.4	2,182.2	41.21	53.947	
12,400.0	10,880.0	10,269.3	8,756.0	45.5	39.3	-17.28	-1,375.8	378.5	2,223.4	2,181.0	42.40	52.434	
12,500.0	10,880.0	10,369.3	8,756.0	46.4	40.3	-17.28	-1,475.8	379.2	2,223.4	2,179.7	43.63	50.957	
12,600.0	10,880.0	10,469.3	8,756.0	47.3	41.4	-17.28	-1,575.8	380.0	2,223.4	2,178.5	44.90	49.519	
12,700.0	10,880.0	10,569.3	8,756.0	48.3	42.5	-17.28	-1,675.8	380.7	2,223.4	2,177.2	46.20	48.124	
12,800.0	10,880.0	10,669.3	8,756.0	49.3	43.6	-17.28	-1,775.8	381.5	2,223.4	2,175.8	47.53	46.775	
12,900.0	10,880.0	10,769.3	8,756.0	50.4	44.8	-17.28	-1,875.8	382.3	2,223.4	2,174.5	48.90	45.472	
13,000.0	10,880.0	10,869.3	8,756.0	51.5	46.0	-17.28	-1,975.8	383.0	2,223.4	2,173.1	50.28	44.216	
13,100.0	10,880.0	10,969.3	8,756.0	52.6	47.2	-17.28	-2,075.8	383.8	2,223.4	2,171.7	51.70	43.008	
13,200.0	10,880.0	11,069.3	8,756.0	53.7	48.5	-17.28	-2,175.8	384.6	2,223.4	2,170.2	53.13	41.846	
13,300.0	10,880.0	11,169.3	8,756.0	54.9	49.7	-17.28	-2,275.8	385.3	2,223.4	2,168.8	54.59	40.729	
13,400.0	10,880.0	11,269.3	8,756.0	56.0	51.0	-17.28	-2,375.8	386.1	2,223.4	2,167.3	56.06	39.657	
13,500.0	10,880.0	11,369.3	8,756.0	57.3	52.3	-17.28	-2,475.8	386.8	2,223.4	2,165.8	57.56	38.628	
13,600.0	10,880.0	11,469.3	8,756.0	58.5	53.7	-17.28	-2,575.8	387.6	2,223.4	2,164.3	59.07	37.640	
13,700.0	10,880.0	11,569.3	8,756.0	59.7	55.0	-17.28	-2,675.8	388.4	2,223.4	2,162.8	60.59	36.693	
13,800.0	10,880.0	11,669.3	8,756.0	61.0	56.4	-17.28	-2,775.8	389.1	2,223.4	2,161.2	62.13	35.784	
13,900.0	10,880.0	11,769.3	8,756.0	62.3	57.8	-17.28	-2,875.8	389.9	2,223.4	2,159.7	63.69	34.911	
14,000.0	10,880.0	11,869.3	8,756.0	63.6	59.2	-17.28	-2,975.8	390.7	2,223.3	2,158.1	65.25	34.074	
14,100.0	10,880.0	11,969.3	8,756.0	64.9	60.6	-17.28	-3,075.8	391.4	2,223.3	2,156.5	66.83	33.270	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,200.0	10,880.0	12,069.3	8,756.0	66.2	62.0	-17.28	-3,175.8	392.2	2,223.3	2,154.9	68.41	32.499	
14,300.0	10,880.0	12,169.3	8,756.0	67.6	63.4	-17.28	-3,275.8	392.9	2,223.3	2,153.3	70.01	31.758	
14,400.0	10,880.0	12,269.3	8,756.0	69.0	64.9	-17.28	-3,375.8	393.7	2,223.3	2,151.7	71.62	31.046	
14,500.0	10,880.0	12,369.3	8,756.0	70.3	66.3	-17.28	-3,475.8	394.5	2,223.3	2,150.1	73.23	30.361	
14,600.0	10,880.0	12,469.3	8,756.0	71.7	67.8	-17.28	-3,575.8	395.2	2,223.3	2,148.5	74.85	29.703	
14,700.0	10,880.0	12,569.3	8,756.0	73.1	69.3	-17.28	-3,675.7	396.0	2,223.3	2,146.9	76.48	29.070	
14,800.0	10,880.0	12,669.3	8,756.0	74.5	70.8	-17.28	-3,775.7	396.7	2,223.3	2,145.2	78.12	28.461	
14,900.0	10,880.0	12,769.3	8,756.0	75.9	72.2	-17.28	-3,875.7	397.5	2,223.3	2,143.6	79.76	27.874	
15,000.0	10,880.0	12,869.3	8,756.0	77.4	73.7	-17.28	-3,975.7	398.3	2,223.3	2,141.9	81.41	27.310	
15,100.0	10,880.0	12,969.3	8,756.0	78.8	75.2	-17.28	-4,075.7	399.0	2,223.3	2,140.3	83.07	26.765	
15,200.0	10,880.0	13,069.3	8,756.0	80.3	76.7	-17.28	-4,175.7	399.8	2,223.3	2,138.6	84.73	26.240	
15,300.0	10,880.0	13,169.3	8,756.0	81.7	78.3	-17.28	-4,275.7	400.6	2,223.3	2,136.9	86.40	25.734	
15,400.0	10,880.0	13,269.3	8,756.0	83.2	79.8	-17.28	-4,375.7	401.3	2,223.3	2,135.3	88.07	25.246	
15,500.0	10,880.0	13,369.3	8,756.0	84.6	81.3	-17.28	-4,475.7	402.1	2,223.3	2,133.6	89.74	24.774	
15,600.0	10,880.0	13,469.3	8,756.0	86.1	82.8	-17.28	-4,575.7	402.8	2,223.3	2,131.9	91.42	24.319	
15,700.0	10,880.0	13,569.3	8,756.0	87.6	84.4	-17.28	-4,675.7	403.6	2,223.3	2,130.2	93.11	23.879	
15,800.0	10,880.0	13,669.3	8,756.0	89.1	85.9	-17.28	-4,775.7	404.4	2,223.3	2,128.5	94.80	23.454	
15,900.0	10,880.0	13,769.3	8,756.0	90.6	87.4	-17.28	-4,875.7	405.1	2,223.3	2,126.8	96.49	23.042	
16,000.0	10,880.0	13,869.3	8,756.0	92.1	89.0	-17.28	-4,975.7	405.9	2,223.3	2,125.1	98.18	22.644	
16,100.0	10,880.0	13,969.3	8,756.0	93.6	90.5	-17.28	-5,075.7	406.7	2,223.3	2,123.4	99.88	22.259	
16,200.0	10,880.0	14,069.3	8,756.0	95.1	92.1	-17.28	-5,175.7	407.4	2,223.3	2,121.7	101.59	21.886	
16,300.0	10,880.0	14,169.3	8,756.0	96.6	93.6	-17.28	-5,275.7	408.2	2,223.3	2,120.0	103.29	21.525	
16,400.0	10,880.0	14,269.3	8,756.0	98.1	95.2	-17.28	-5,375.7	408.9	2,223.3	2,118.3	105.00	21.174	
16,500.0	10,880.0	14,369.3	8,756.0	99.6	96.8	-17.28	-5,475.7	409.7	2,223.3	2,116.6	106.71	20.835	
16,600.0	10,880.0	14,469.3	8,756.0	101.1	98.3	-17.28	-5,575.7	410.5	2,223.3	2,114.9	108.42	20.506	
16,700.0	10,880.0	14,569.3	8,756.0	102.7	99.9	-17.28	-5,675.7	411.2	2,223.3	2,113.2	110.14	20.186	
16,800.0	10,880.0	14,669.3	8,756.0	104.2	101.5	-17.28	-5,775.7	412.0	2,223.3	2,111.4	111.86	19.876	
16,900.0	10,880.0	14,769.3	8,756.0	105.7	103.1	-17.28	-5,875.7	412.7	2,223.3	2,109.7	113.58	19.575	
17,000.0	10,880.0	14,869.3	8,756.0	107.3	104.6	-17.28	-5,975.7	413.5	2,223.3	2,108.0	115.30	19.282	
17,100.0	10,880.0	14,969.3	8,756.0	108.8	106.2	-17.27	-6,075.7	414.3	2,223.3	2,106.3	117.03	18.998	
17,200.0	10,880.0	15,069.3	8,756.0	110.4	107.8	-17.27	-6,175.7	415.0	2,223.3	2,104.5	118.75	18.722	
17,300.0	10,880.0	15,169.3	8,756.0	111.9	109.4	-17.27	-6,275.7	415.8	2,223.3	2,102.8	120.48	18.453	
17,400.0	10,880.0	15,269.3	8,756.0	113.5	111.0	-17.27	-6,375.7	416.6	2,223.3	2,101.1	122.21	18.192	
17,500.0	10,880.0	15,369.3	8,756.0	115.0	112.5	-17.27	-6,475.7	417.3	2,223.3	2,099.3	123.95	17.938	
17,600.0	10,880.0	15,469.3	8,756.0	116.6	114.1	-17.27	-6,575.7	418.1	2,223.3	2,097.6	125.68	17.690	
17,700.0	10,880.0	15,569.3	8,756.0	118.2	115.7	-17.27	-6,675.7	418.8	2,223.3	2,095.9	127.42	17.449	
17,800.0	10,880.0	15,669.3	8,756.0	119.7	117.3	-17.27	-6,775.7	419.6	2,223.3	2,094.1	129.15	17.214	
17,900.0	10,880.0	15,769.3	8,756.0	121.3	118.9	-17.27	-6,875.7	420.4	2,223.3	2,092.4	130.89	16.986	
18,000.0	10,880.0	15,869.3	8,756.0	122.8	120.5	-17.27	-6,975.7	421.1	2,223.3	2,090.6	132.63	16.763	
18,100.0	10,880.0	15,969.3	8,756.0	124.4	122.1	-17.27	-7,075.7	421.9	2,223.3	2,088.9	134.37	16.546	
18,200.0	10,880.0	16,069.3	8,756.0	126.0	123.7	-17.27	-7,175.6	422.7	2,223.3	2,087.2	136.12	16.334	
18,300.0	10,880.0	16,169.3	8,756.0	127.6	125.3	-17.27	-7,275.6	423.4	2,223.3	2,085.4	137.86	16.127	
18,400.0	10,880.0	16,269.3	8,756.0	129.1	126.9	-17.27	-7,375.6	424.2	2,223.3	2,083.7	139.60	15.925	
18,500.0	10,880.0	16,369.3	8,756.0	130.7	128.5	-17.27	-7,475.6	424.9	2,223.3	2,081.9	141.35	15.729	
18,600.0	10,880.0	16,469.3	8,756.0	132.3	130.1	-17.27	-7,575.6	425.7	2,223.3	2,080.2	143.10	15.537	
18,700.0	10,880.0	16,569.3	8,756.0	133.9	131.7	-17.27	-7,675.6	426.5	2,223.3	2,078.4	144.85	15.349	
18,800.0	10,880.0	16,669.3	8,756.0	135.5	133.3	-17.27	-7,775.6	427.2	2,223.3	2,076.7	146.60	15.166	
18,900.0	10,880.0	16,769.3	8,756.0	137.0	134.9	-17.27	-7,875.6	428.0	2,223.3	2,074.9	148.35	14.987	
19,000.0	10,880.0	16,869.3	8,756.0	138.6	136.5	-17.27	-7,975.6	428.7	2,223.3	2,073.2	150.10	14.812	
19,100.0	10,880.0	16,969.3	8,756.0	140.2	138.1	-17.27	-8,075.6	429.5	2,223.3	2,071.4	151.85	14.641	
19,200.0	10,880.0	17,069.3	8,756.0	141.8	139.8	-17.27	-8,175.6	430.3	2,223.3	2,069.6	153.61	14.474	
19,300.0	10,880.0	17,169.3	8,756.0	143.4	141.4	-17.27	-8,275.6	431.0	2,223.2	2,067.9	155.36	14.310	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
19,400.0	10,880.0	17,269.3	8,756.0	145.0	143.0	-17.27	-8,375.6	431.8	2,223.2	2,066.1	157.11	14.150	
19,500.0	10,880.0	17,369.3	8,756.0	146.6	144.6	-17.27	-8,475.6	432.6	2,223.2	2,064.4	158.87	13.994	
19,600.0	10,880.0	17,469.3	8,756.0	148.2	146.2	-17.27	-8,575.6	433.3	2,223.2	2,062.6	160.63	13.841	
19,700.0	10,880.0	17,569.3	8,756.0	149.8	147.8	-17.27	-8,675.6	434.1	2,223.2	2,060.9	162.39	13.691	
19,800.0	10,880.0	17,669.3	8,756.0	151.4	149.4	-17.27	-8,775.6	434.8	2,223.2	2,059.1	164.14	13.544	
19,900.0	10,880.0	17,769.3	8,756.0	153.0	151.1	-17.27	-8,875.6	435.6	2,223.2	2,057.3	165.90	13.401	
20,000.0	10,880.0	17,869.3	8,756.0	154.6	152.7	-17.27	-8,975.6	436.4	2,223.2	2,055.6	167.66	13.260	
20,100.0	10,880.0	17,969.3	8,756.0	156.2	154.3	-17.27	-9,075.6	437.1	2,223.2	2,053.8	169.42	13.122	
20,200.0	10,880.0	18,069.3	8,756.0	157.8	155.9	-17.27	-9,175.6	437.9	2,223.2	2,052.0	171.18	12.987	
20,300.0	10,880.0	18,169.3	8,756.0	159.4	157.5	-17.27	-9,275.6	438.7	2,223.2	2,050.3	172.95	12.855	
20,400.0	10,880.0	18,269.3	8,756.0	161.0	159.1	-17.27	-9,375.6	439.4	2,223.2	2,048.5	174.71	12.725	
20,500.0	10,880.0	18,369.3	8,756.0	162.6	160.8	-17.27	-9,475.6	440.2	2,223.2	2,046.8	176.47	12.598	
20,600.0	10,880.0	18,469.3	8,756.0	164.2	162.4	-17.27	-9,575.6	440.9	2,223.2	2,045.0	178.23	12.474	
20,700.0	10,880.0	18,569.3	8,756.0	165.8	164.0	-17.27	-9,675.6	441.7	2,223.2	2,043.2	180.00	12.351	
20,800.0	10,880.0	18,669.3	8,756.0	167.4	165.6	-17.27	-9,775.6	442.5	2,223.2	2,041.5	181.76	12.231	
20,900.0	10,880.0	18,769.3	8,756.0	169.0	167.3	-17.27	-9,875.6	443.2	2,223.2	2,039.7	183.53	12.114	
21,000.0	10,880.0	18,869.3	8,756.0	170.6	168.9	-17.27	-9,975.6	444.0	2,223.2	2,037.9	185.29	11.998	
21,100.0	10,880.0	18,969.3	8,756.0	172.2	170.5	-17.27	-10,075.6	444.7	2,223.2	2,036.2	187.06	11.885	
21,182.4	10,880.0	19,051.7	8,756.0	173.4	171.8	-17.27	-10,158.0	445.4	2,223.2	2,035.0	188.24	11.811	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	1.0	0.0	0.0	89.62	0.5	80.0	80.0				
100.0	100.0	101.0	101.0	0.1	0.1	89.62	0.5	80.0	80.0	79.8	0.26	307.960	
200.0	200.0	201.0	201.0	0.5	0.5	89.62	0.5	80.0	80.0	79.1	0.98	81.934	
300.0	300.0	301.0	301.0	0.8	0.8	89.62	0.5	80.0	80.0	78.3	1.69	47.253	
400.0	400.0	401.0	401.0	1.2	1.2	89.62	0.5	80.0	80.0	77.6	2.41	33.200	
500.0	500.0	501.0	501.0	1.6	1.6	89.62	0.5	80.0	80.0	76.9	3.13	25.590	
600.0	600.0	601.0	601.0	1.9	1.9	89.62	0.5	80.0	80.0	76.2	3.84	20.818	
700.0	700.0	701.0	701.0	2.3	2.3	89.62	0.5	80.0	80.0	75.5	4.56	17.546	
800.0	800.0	801.0	801.0	2.6	2.6	89.62	0.5	80.0	80.0	74.8	5.28	15.163	
900.0	900.0	901.0	901.0	3.0	3.0	89.62	0.5	80.0	80.0	74.0	6.00	13.350	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	89.62	0.5	80.0	80.0	73.3	6.71	11.924	CC
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	136.60	0.5	80.0	80.7	73.2	7.43	10.862	ES
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	137.83	0.5	80.0	82.6	74.5	8.14	10.148	
1,300.0	1,299.9	1,300.9	1,300.9	4.4	4.4	139.77	0.5	80.0	85.9	77.0	8.85	9.702	
1,400.0	1,399.7	1,400.7	1,400.7	4.8	4.8	142.23	0.5	80.0	90.6	81.1	9.56	9.475	
1,500.0	1,499.4	1,500.4	1,500.4	5.1	5.1	145.03	0.5	80.0	96.9	86.7	10.28	9.432	
1,600.0	1,598.9	1,601.2	1,601.2	5.5	5.5	147.67	1.3	79.6	104.3	93.3	11.00	9.489	
1,700.0	1,698.3	1,702.1	1,702.1	5.9	5.9	149.78	3.5	78.1	112.2	100.5	11.71	9.577	
1,800.0	1,797.4	1,803.2	1,803.1	6.3	6.2	151.43	7.3	75.7	120.4	107.9	12.43	9.683	
1,900.0	1,896.4	1,904.6	1,904.2	6.6	6.6	152.57	12.6	72.3	128.1	114.9	13.15	9.742	
2,000.0	1,995.5	2,006.1	2,005.4	7.0	7.0	153.08	19.3	68.0	134.5	120.6	13.87	9.699	
2,100.0	2,094.5	2,107.8	2,106.7	7.4	7.3	153.06	27.7	62.7	139.6	125.0	14.59	9.568	
2,200.0	2,193.5	2,209.6	2,207.8	7.8	7.7	152.58	37.5	56.4	143.4	128.0	15.32	9.360	
2,300.0	2,292.5	2,311.3	2,308.6	8.2	8.1	151.65	48.8	49.1	145.8	129.8	16.05	9.086	
2,400.0	2,391.6	2,411.2	2,407.5	8.6	8.5	150.58	60.5	41.6	147.8	131.0	16.79	8.802	
2,500.0	2,490.6	2,511.2	2,506.5	9.0	8.8	149.54	72.2	34.1	149.8	132.3	17.54	8.542	
2,600.0	2,589.6	2,611.1	2,605.5	9.4	9.2	148.53	84.0	26.6	151.9	133.6	18.29	8.304	
2,700.0	2,688.6	2,711.1	2,704.5	9.8	9.6	147.54	95.7	19.1	154.0	135.0	19.05	8.085	
2,800.0	2,787.7	2,811.0	2,803.4	10.2	10.0	146.59	107.4	11.6	156.2	136.4	19.81	7.884	
2,900.0	2,886.7	2,910.9	2,902.4	10.6	10.4	145.66	119.1	4.2	158.4	137.8	20.57	7.698	
3,000.0	2,985.7	3,010.9	3,001.4	11.0	10.8	144.75	130.8	-3.3	160.6	139.3	21.34	7.526	
3,100.0	3,084.8	3,110.8	3,100.3	11.4	11.2	143.87	142.5	-10.8	162.9	140.8	22.11	7.366	
3,200.0	3,183.8	3,210.8	3,199.3	11.8	11.6	143.01	154.3	-18.3	165.2	142.3	22.89	7.218	
3,300.0	3,282.8	3,310.7	3,298.3	12.3	12.0	142.18	166.0	-25.8	167.6	143.9	23.67	7.080	
3,400.0	3,381.8	3,410.7	3,397.3	12.7	12.4	141.37	177.7	-33.3	170.0	145.5	24.45	6.952	
3,500.0	3,480.9	3,510.6	3,496.2	13.1	12.8	140.59	189.4	-40.8	172.4	147.2	25.24	6.832	
3,600.0	3,579.9	3,610.5	3,595.2	13.5	13.2	139.82	201.1	-48.3	174.9	148.8	26.02	6.719	
3,700.0	3,678.9	3,710.5	3,694.2	13.9	13.6	139.08	212.8	-55.8	177.4	150.5	26.82	6.614	
3,800.0	3,777.9	3,810.4	3,793.1	14.3	14.0	138.36	224.6	-63.3	179.9	152.3	27.61	6.515	
3,900.0	3,877.0	3,910.4	3,892.1	14.7	14.4	137.66	236.3	-70.8	182.4	154.0	28.40	6.422	
4,000.0	3,976.0	4,010.3	3,991.1	15.1	14.8	136.98	248.0	-78.3	185.0	155.8	29.20	6.335	
4,100.0	4,075.0	4,110.3	4,090.0	15.6	15.2	136.31	259.7	-85.8	187.6	157.6	30.00	6.252	
4,200.0	4,174.0	4,210.2	4,189.0	16.0	15.6	135.67	271.4	-93.3	190.2	159.4	30.80	6.175	
4,300.0	4,273.1	4,310.1	4,288.0	16.4	16.0	135.04	283.1	-100.8	192.8	161.2	31.61	6.101	
4,400.0	4,372.1	4,410.1	4,387.0	16.8	16.4	134.43	294.9	-108.3	195.5	163.1	32.41	6.032	
4,500.0	4,471.1	4,510.0	4,485.9	17.2	16.8	133.83	306.6	-115.8	198.2	165.0	33.22	5.966	
4,600.0	4,570.2	4,609.6	4,584.5	17.6	17.2	133.26	318.2	-123.3	200.9	166.9	34.03	5.905	
4,700.0	4,669.2	4,707.0	4,681.2	18.0	17.6	133.11	328.3	-129.7	204.4	169.6	34.81	5.873	
4,767.4	4,735.9	4,772.6	4,746.5	18.3	17.9	133.34	333.9	-133.3	207.5	172.2	35.32	5.876	
4,800.0	4,768.2	4,804.3	4,778.0	18.5	18.0	133.54	336.3	-134.8	209.1	173.6	35.56	5.882	
4,900.0	4,867.5	4,901.5	4,875.0	18.9	18.4	134.18	342.2	-138.6	213.7	177.4	36.27	5.892	
5,000.0	4,967.1	4,998.6	4,971.9	19.2	18.7	134.87	346.1	-141.1	217.7	180.8	36.95	5.893	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
5,100.0	5,066.9	5,095.6	5,068.9	19.6	19.1	135.61	347.8	-142.2	221.3	183.7	37.60	5.885	
5,200.0	5,166.8	5,205.5	5,167.8	20.0	19.4	136.30	347.9	-142.3	224.0	185.7	38.30	5.850	
5,300.7	5,267.5	5,304.8	5,268.5	20.3	19.8	90.00	347.9	-142.3	225.0	186.0	38.97	5.774	
5,400.0	5,366.8	5,405.5	5,367.8	20.6	20.1	90.00	347.9	-142.3	225.0	185.4	39.65	5.675	
5,500.0	5,466.8	5,505.5	5,467.8	20.9	20.4	90.00	347.9	-142.3	225.0	184.7	40.32	5.580	
5,600.0	5,566.8	5,605.5	5,567.8	21.3	20.8	90.00	347.9	-142.3	225.0	184.0	41.00	5.487	
5,700.0	5,666.8	5,705.5	5,667.8	21.6	21.1	90.00	347.9	-142.3	225.0	183.3	41.69	5.398	
5,800.0	5,766.8	5,805.5	5,767.8	21.9	21.4	90.00	347.9	-142.3	225.0	182.6	42.37	5.311	
5,900.0	5,866.8	5,905.5	5,867.8	22.3	21.8	90.00	347.9	-142.3	225.0	182.0	43.05	5.226	
6,000.0	5,966.8	6,005.5	5,967.8	22.6	22.1	90.00	347.9	-142.3	225.0	181.3	43.73	5.145	
6,100.0	6,066.8	6,105.5	6,067.8	22.9	22.5	90.00	347.9	-142.3	225.0	180.6	44.42	5.065	
6,200.0	6,166.8	6,205.5	6,167.8	23.3	22.8	90.00	347.9	-142.3	225.0	179.9	45.11	4.988	
6,300.0	6,266.8	6,305.5	6,267.8	23.6	23.2	90.00	347.9	-142.3	225.0	179.2	45.79	4.913	
6,400.0	6,366.8	6,405.5	6,367.8	23.9	23.5	90.00	347.9	-142.3	225.0	178.5	46.48	4.841	
6,500.0	6,466.8	6,505.5	6,467.8	24.3	23.8	90.00	347.9	-142.3	225.0	177.8	47.17	4.770	
6,600.0	6,566.8	6,605.5	6,567.8	24.6	24.2	90.00	347.9	-142.3	225.0	177.1	47.86	4.701	
6,700.0	6,666.8	6,705.5	6,667.8	24.9	24.5	90.00	347.9	-142.3	225.0	176.5	48.55	4.634	
6,800.0	6,766.8	6,805.5	6,767.8	25.3	24.9	90.00	347.9	-142.3	225.0	175.8	49.24	4.569	
6,900.0	6,866.8	6,905.5	6,867.8	25.6	25.2	90.00	347.9	-142.3	225.0	175.1	49.94	4.506	
7,000.0	6,966.8	7,005.5	6,967.8	26.0	25.6	90.00	347.9	-142.3	225.0	174.4	50.63	4.444	
7,100.0	7,066.8	7,105.5	7,067.8	26.3	25.9	90.00	347.9	-142.3	225.0	173.7	51.32	4.384	
7,200.0	7,166.8	7,205.5	7,167.8	26.6	26.3	90.00	347.9	-142.3	225.0	173.0	52.02	4.326	
7,300.0	7,266.8	7,305.5	7,267.8	27.0	26.6	90.00	347.9	-142.3	225.0	172.3	52.71	4.269	
7,400.0	7,366.8	7,405.5	7,367.8	27.3	27.0	90.00	347.9	-142.3	225.0	171.6	53.41	4.213	
7,500.0	7,466.8	7,505.5	7,467.8	27.7	27.3	90.00	347.9	-142.3	225.0	170.9	54.10	4.159	
7,600.0	7,566.8	7,605.5	7,567.8	28.0	27.6	90.00	347.9	-142.3	225.0	170.2	54.80	4.106	
7,700.0	7,666.8	7,705.5	7,667.8	28.3	28.0	90.00	347.9	-142.3	225.0	169.5	55.49	4.055	
7,800.0	7,766.8	7,805.5	7,767.8	28.7	28.3	90.00	347.9	-142.3	225.0	168.8	56.19	4.004	
7,900.0	7,866.8	7,905.5	7,867.8	29.0	28.7	90.00	347.9	-142.3	225.0	168.1	56.89	3.955	
8,000.0	7,966.8	8,005.5	7,967.8	29.4	29.0	90.00	347.9	-142.3	225.0	167.4	57.59	3.907	
8,100.0	8,066.8	8,105.5	8,067.8	29.7	29.4	90.00	347.9	-142.3	225.0	166.7	58.29	3.860	
8,200.0	8,166.8	8,205.5	8,167.8	30.1	29.7	90.00	347.9	-142.3	225.0	166.0	58.99	3.814	
8,300.0	8,266.8	8,305.5	8,267.8	30.4	30.1	90.00	347.9	-142.3	225.0	165.3	59.69	3.770	
8,400.0	8,366.8	8,405.5	8,367.8	30.7	30.4	90.00	347.9	-142.3	225.0	164.6	60.39	3.726	
8,500.0	8,466.8	8,505.5	8,467.8	31.1	30.8	90.00	347.9	-142.3	225.0	163.9	61.09	3.683	
8,600.0	8,566.8	8,594.5	8,567.8	31.4	31.1	90.00	347.9	-142.3	225.0	163.3	61.75	3.644	
8,700.0	8,666.8	8,699.2	8,672.3	31.8	31.4	91.21	343.2	-143.1	224.3	161.8	62.43	3.592	
8,800.0	8,766.8	8,801.2	8,771.8	32.1	31.7	96.87	321.4	-147.0	221.9	159.0	62.91	3.527	
8,839.2	8,806.0	8,838.6	8,807.0	32.3	31.8	100.10	309.1	-149.2	221.5	158.5	63.04	3.514	SF
8,900.0	8,866.8	8,892.9	8,856.6	32.5	31.9	105.82	287.2	-153.1	222.9	159.8	63.06	3.535	
9,000.0	8,966.8	8,972.0	8,924.4	32.8	32.1	115.88	247.5	-160.2	234.2	172.1	62.13	3.770	
9,100.0	9,066.8	9,038.3	8,976.7	33.2	32.2	125.14	207.2	-167.3	260.9	201.5	59.47	4.388	
9,200.0	9,166.8	9,093.5	9,016.2	33.5	32.2	132.74	169.4	-174.1	303.6	248.1	55.49	5.471	
9,300.0	9,266.8	9,139.3	9,046.2	33.9	32.3	138.65	135.3	-180.2	359.6	308.5	51.18	7.027	
9,400.0	9,366.8	9,177.4	9,068.9	34.2	32.3	143.18	105.2	-185.5	425.8	378.6	47.22	9.017	
9,500.0	9,466.8	9,209.4	9,086.4	34.6	32.3	146.66	78.8	-190.2	499.2	455.4	43.84	11.388	
9,600.0	9,566.8	9,236.5	9,100.0	34.9	32.3	149.38	55.7	-194.3	578.0	537.0	41.05	14.082	
9,700.0	9,666.8	9,250.0	9,106.4	35.2	32.4	150.65	44.0	-196.4	660.9	622.7	38.20	17.300	
9,800.0	9,766.8	9,279.5	9,119.3	35.6	32.4	153.27	17.9	-201.1	746.4	709.5	36.92	20.217	
9,900.0	9,866.8	9,300.0	9,127.5	35.9	32.4	154.94	-0.6	-204.4	834.3	798.7	35.57	23.453	
10,000.0	9,966.8	9,300.0	9,127.5	36.3	32.4	154.94	-0.6	-204.4	924.2	890.5	33.71	27.417	
10,100.0	10,066.8	9,325.2	9,136.6	36.6	32.4	156.86	-23.7	-208.5	1,015.1	981.9	33.23	30.546	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	10,166.8	9,350.0	9,144.5	37.0	32.5	158.60	-46.8	-212.6	1,107.6	1,074.7	32.91	33.659	
10,300.0	10,266.8	9,350.0	9,144.5	37.3	32.5	158.60	-46.8	-212.6	1,200.6	1,168.7	31.90	37.631	
10,340.2	10,307.0	9,350.0	9,144.5	37.5	32.5	158.60	-46.8	-212.6	1,238.3	1,206.7	31.57	39.224	
10,350.0	10,316.8	9,350.0	9,144.5	37.5	32.5	-14.52	-46.8	-212.6	1,247.5	1,216.0	31.49	39.615	
10,400.0	10,366.7	9,350.0	9,144.5	37.7	32.5	-11.82	-46.8	-212.6	1,293.6	1,262.5	31.04	41.669	
10,450.0	10,416.1	9,350.0	9,144.5	37.8	32.5	-9.95	-46.8	-212.6	1,338.2	1,307.6	30.54	43.812	
10,500.0	10,464.7	9,371.3	9,150.6	37.9	32.5	-7.97	-66.9	-216.2	1,380.6	1,350.1	30.55	45.196	
10,550.0	10,512.1	9,379.2	9,152.6	38.1	32.6	-6.86	-74.4	-217.5	1,421.4	1,391.2	30.15	47.150	
10,600.0	10,558.0	9,400.0	9,157.4	38.2	32.6	-5.74	-94.4	-221.1	1,460.1	1,430.1	30.01	48.654	
10,650.0	10,601.9	9,400.0	9,157.4	38.3	32.6	-5.24	-94.4	-221.1	1,496.2	1,466.8	29.37	50.949	
10,700.0	10,643.6	9,400.0	9,157.4	38.3	32.6	-4.83	-94.4	-221.1	1,530.0	1,501.3	28.74	53.230	
10,750.0	10,682.7	9,400.0	9,157.4	38.4	32.6	-4.50	-94.4	-221.1	1,561.5	1,533.4	28.16	55.456	
10,800.0	10,719.0	9,426.9	9,162.6	38.5	32.7	-3.87	-120.3	-225.7	1,589.7	1,561.7	28.06	56.663	
10,850.0	10,752.1	9,450.0	9,166.1	38.5	32.7	-3.39	-142.8	-229.7	1,615.6	1,587.7	27.88	57.952	
10,900.0	10,781.9	9,450.0	9,166.1	38.6	32.7	-3.24	-142.8	-229.7	1,638.2	1,610.8	27.38	59.834	
10,950.0	10,808.0	9,450.0	9,166.1	38.6	32.7	-3.12	-142.8	-229.7	1,658.1	1,631.1	26.97	61.474	
11,000.0	10,830.3	9,471.6	9,168.5	38.6	32.8	-2.79	-164.0	-233.5	1,674.8	1,647.9	26.87	62.320	
11,050.0	10,848.7	9,500.0	9,170.4	38.6	32.9	-2.44	-191.9	-238.4	1,688.7	1,661.8	26.87	62.854	
11,100.0	10,862.9	9,500.0	9,170.4	38.7	32.9	-2.39	-191.9	-238.4	1,698.9	1,672.2	26.69	63.653	
11,150.0	10,872.9	9,500.0	9,170.4	38.7	32.9	-2.36	-191.9	-238.4	1,706.2	1,679.6	26.65	64.027	
11,200.0	10,878.5	9,524.7	9,171.0	38.8	33.0	-2.11	-216.1	-242.8	1,710.2	1,683.5	26.79	63.836	
11,240.2	10,880.0	9,540.8	9,171.0	38.9	33.0	-1.96	-232.0	-245.5	1,711.1	1,684.1	26.94	63.516	
11,300.0	10,880.0	9,597.5	9,171.0	39.0	33.2	-1.48	-288.0	-254.6	1,710.6	1,683.4	27.25	62.782	
11,400.0	10,880.0	9,694.3	9,171.0	39.3	33.6	-0.83	-383.9	-267.5	1,710.2	1,682.3	27.85	61.408	
11,500.0	10,880.0	9,792.7	9,171.0	39.7	34.0	-0.39	-481.8	-277.4	1,710.0	1,681.5	28.53	59.936	
11,528.2	10,880.0	9,820.7	9,171.0	39.8	34.1	-0.31	-509.7	-279.5	1,710.0	1,681.3	28.74	59.508	
11,600.0	10,880.0	9,892.2	9,171.0	40.1	34.5	-0.14	-581.1	-283.9	1,710.0	1,680.7	29.27	58.418	
11,700.0	10,880.0	9,992.0	9,171.0	40.6	35.0	-0.02	-680.9	-286.9	1,710.0	1,679.9	30.07	56.873	
11,730.8	10,880.0	10,022.8	9,171.0	40.7	35.2	0.00	-711.6	-287.1	1,710.0	1,679.7	30.32	56.391	
11,800.0	10,880.0	10,108.0	9,171.0	41.1	35.8	0.00	-780.9	-286.8	1,710.0	1,679.0	30.99	55.183	
11,900.0	10,880.0	10,208.0	9,171.0	41.7	36.5	0.00	-880.9	-286.0	1,710.0	1,678.1	31.89	53.626	
12,000.0	10,880.0	10,308.0	9,171.0	42.4	37.2	0.00	-980.9	-285.2	1,710.0	1,677.2	32.84	52.075	
12,100.0	10,880.0	10,408.0	9,171.0	43.1	38.0	0.00	-1,080.9	-284.4	1,710.0	1,676.2	33.83	50.543	
12,200.0	10,880.0	10,508.0	9,171.0	43.8	38.9	0.00	-1,180.9	-283.7	1,710.0	1,675.1	34.87	49.039	
12,300.0	10,880.0	10,608.0	9,171.0	44.7	39.8	0.00	-1,280.9	-282.9	1,710.0	1,674.1	35.95	47.573	
12,400.0	10,880.0	10,708.0	9,171.0	45.5	40.7	0.00	-1,380.8	-282.1	1,710.0	1,672.9	37.05	46.148	
12,500.0	10,880.0	10,808.0	9,171.0	46.4	41.7	0.00	-1,480.8	-281.4	1,710.0	1,671.8	38.20	44.768	
12,600.0	10,880.0	10,908.0	9,171.0	47.3	42.7	0.00	-1,580.8	-280.6	1,710.0	1,670.6	39.37	43.437	
12,700.0	10,880.0	11,008.0	9,171.0	48.3	43.8	0.00	-1,680.8	-279.8	1,710.0	1,669.4	40.56	42.155	
12,800.0	10,880.0	11,108.0	9,171.0	49.3	44.9	0.00	-1,780.8	-279.1	1,710.0	1,668.2	41.79	40.923	
12,900.0	10,880.0	11,208.0	9,171.0	50.4	46.1	0.00	-1,880.8	-278.3	1,710.0	1,667.0	43.03	39.741	
13,000.0	10,880.0	11,308.0	9,171.0	51.5	47.2	0.00	-1,980.8	-277.5	1,710.0	1,665.7	44.29	38.607	
13,100.0	10,880.0	11,408.0	9,171.0	52.6	48.4	0.00	-2,080.8	-276.8	1,710.0	1,664.4	45.58	37.520	
13,200.0	10,880.0	11,508.0	9,171.0	53.7	49.7	0.00	-2,180.8	-276.0	1,710.0	1,663.1	46.88	36.480	
13,300.0	10,880.0	11,608.0	9,171.0	54.9	50.9	0.00	-2,280.8	-275.2	1,710.0	1,661.8	48.19	35.484	
13,400.0	10,880.0	11,708.0	9,171.0	56.0	52.2	0.00	-2,380.8	-274.4	1,710.0	1,660.5	49.52	34.531	
13,500.0	10,880.0	11,808.0	9,171.0	57.3	53.5	0.00	-2,480.8	-273.7	1,710.0	1,659.1	50.86	33.619	
13,600.0	10,880.0	11,908.0	9,171.0	58.5	54.8	0.00	-2,580.8	-272.9	1,710.0	1,657.8	52.22	32.746	
13,700.0	10,880.0	12,008.0	9,171.0	59.7	56.1	0.00	-2,680.8	-272.1	1,710.0	1,656.4	53.59	31.910	
13,800.0	10,880.0	12,108.0	9,171.0	61.0	57.5	0.00	-2,780.8	-271.4	1,710.0	1,655.0	54.97	31.110	
13,900.0	10,880.0	12,208.0	9,171.0	62.3	58.8	0.00	-2,880.8	-270.6	1,710.0	1,653.6	56.35	30.344	
14,000.0	10,880.0	12,308.0	9,171.0	63.6	60.2	0.00	-2,980.8	-269.8	1,710.0	1,652.2	57.75	29.610	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,100.0	10,880.0	12,408.0	9,171.0	64.9	61.6	0.00	-3,080.8	-269.1	1,710.0	1,650.8	59.16	28.906	
14,200.0	10,880.0	12,508.0	9,171.0	66.2	63.0	0.00	-3,180.8	-268.3	1,710.0	1,649.4	60.57	28.232	
14,300.0	10,880.0	12,608.0	9,171.0	67.6	64.4	0.00	-3,280.8	-267.5	1,710.0	1,648.0	61.99	27.585	
14,400.0	10,880.0	12,708.0	9,171.0	69.0	65.8	0.00	-3,380.8	-266.8	1,710.0	1,646.6	63.42	26.964	
14,500.0	10,880.0	12,808.0	9,171.0	70.3	67.3	0.00	-3,480.8	-266.0	1,710.0	1,645.1	64.85	26.367	
14,600.0	10,880.0	12,908.0	9,171.0	71.7	68.7	0.00	-3,580.8	-265.2	1,710.0	1,643.7	66.29	25.794	
14,700.0	10,880.0	13,008.0	9,171.0	73.1	70.2	0.00	-3,680.8	-264.4	1,710.0	1,642.3	67.74	25.244	
14,800.0	10,880.0	13,108.0	9,171.0	74.5	71.6	0.00	-3,780.8	-263.7	1,710.0	1,640.8	69.19	24.714	
14,900.0	10,880.0	13,208.0	9,171.0	75.9	73.1	0.00	-3,880.8	-262.9	1,710.0	1,639.4	70.65	24.205	
15,000.0	10,880.0	13,308.0	9,171.0	77.4	74.6	0.00	-3,980.8	-262.1	1,710.0	1,637.9	72.11	23.714	
15,100.0	10,880.0	13,408.0	9,171.0	78.8	76.1	0.00	-4,080.8	-261.4	1,710.0	1,636.4	73.57	23.242	
15,200.0	10,880.0	13,508.0	9,171.0	80.3	77.6	0.00	-4,180.8	-260.6	1,710.0	1,635.0	75.04	22.787	
15,300.0	10,880.0	13,608.0	9,171.0	81.7	79.1	0.00	-4,280.8	-259.8	1,710.0	1,633.5	76.52	22.348	
15,400.0	10,880.0	13,708.0	9,171.0	83.2	80.6	0.00	-4,380.8	-259.1	1,710.0	1,632.0	78.00	21.924	
15,500.0	10,880.0	13,808.0	9,171.0	84.6	82.1	0.00	-4,480.8	-258.3	1,710.0	1,630.5	79.48	21.516	
15,600.0	10,880.0	13,908.0	9,171.0	86.1	83.6	0.00	-4,580.8	-257.5	1,710.0	1,629.0	80.96	21.121	
15,700.0	10,880.0	14,008.0	9,171.0	87.6	85.1	0.00	-4,680.7	-256.8	1,710.0	1,627.6	82.45	20.740	
15,800.0	10,880.0	14,108.0	9,171.0	89.1	86.7	0.00	-4,780.7	-256.0	1,710.0	1,626.1	83.94	20.372	
15,900.0	10,880.0	14,208.0	9,171.0	90.6	88.2	0.00	-4,880.7	-255.2	1,710.0	1,624.6	85.43	20.016	
16,000.0	10,880.0	14,308.0	9,171.0	92.1	89.7	0.00	-4,980.7	-254.4	1,710.0	1,623.1	86.93	19.672	
16,100.0	10,880.0	14,408.0	9,171.0	93.6	91.3	0.00	-5,080.7	-253.7	1,710.0	1,621.6	88.43	19.338	
16,200.0	10,880.0	14,508.0	9,171.0	95.1	92.8	0.00	-5,180.7	-252.9	1,710.0	1,620.1	89.93	19.016	
16,300.0	10,880.0	14,608.0	9,171.0	96.6	94.4	0.00	-5,280.7	-252.1	1,710.0	1,618.6	91.43	18.703	
16,400.0	10,880.0	14,708.0	9,171.0	98.1	95.9	0.00	-5,380.7	-251.4	1,710.0	1,617.1	92.93	18.400	
16,500.0	10,880.0	14,808.0	9,171.0	99.6	97.5	0.00	-5,480.7	-250.6	1,710.0	1,615.6	94.44	18.106	
16,600.0	10,880.0	14,908.0	9,171.0	101.1	99.0	0.00	-5,580.7	-249.8	1,710.0	1,614.0	95.95	17.822	
16,700.0	10,880.0	15,008.0	9,171.0	102.7	100.6	0.00	-5,680.7	-249.1	1,710.0	1,612.5	97.46	17.545	
16,800.0	10,880.0	15,108.0	9,171.0	104.2	102.1	0.00	-5,780.7	-248.3	1,710.0	1,611.0	98.98	17.277	
16,900.0	10,880.0	15,208.0	9,171.0	105.7	103.7	0.00	-5,880.7	-247.5	1,710.0	1,609.5	100.49	17.017	
17,000.0	10,880.0	15,308.0	9,171.0	107.3	105.3	0.00	-5,980.7	-246.8	1,710.0	1,608.0	102.01	16.764	
17,100.0	10,880.0	15,408.0	9,171.0	108.8	106.8	0.00	-6,080.7	-246.0	1,710.0	1,606.5	103.52	16.518	
17,200.0	10,880.0	15,508.0	9,171.0	110.4	108.4	0.00	-6,180.7	-245.2	1,710.0	1,605.0	105.04	16.279	
17,300.0	10,880.0	15,608.0	9,171.0	111.9	110.0	0.00	-6,280.7	-244.4	1,710.0	1,603.4	106.56	16.047	
17,400.0	10,880.0	15,708.0	9,171.0	113.5	111.6	0.00	-6,380.7	-243.7	1,710.0	1,601.9	108.09	15.821	
17,500.0	10,880.0	15,808.0	9,171.0	115.0	113.2	0.00	-6,480.7	-242.9	1,710.0	1,600.4	109.61	15.601	
17,600.0	10,880.0	15,908.0	9,171.0	116.6	114.7	0.00	-6,580.7	-242.1	1,710.0	1,598.9	111.14	15.387	
17,700.0	10,880.0	16,008.0	9,171.0	118.2	116.3	0.00	-6,680.7	-241.4	1,710.0	1,597.3	112.66	15.178	
17,800.0	10,880.0	16,108.0	9,171.0	119.7	117.9	0.00	-6,780.7	-240.6	1,710.0	1,595.8	114.19	14.975	
17,900.0	10,880.0	16,208.0	9,171.0	121.3	119.5	0.00	-6,880.7	-239.8	1,710.0	1,594.3	115.72	14.777	
18,000.0	10,880.0	16,308.0	9,171.0	122.8	121.1	0.00	-6,980.7	-239.1	1,710.0	1,592.8	117.25	14.585	
18,100.0	10,880.0	16,408.0	9,171.0	124.4	122.7	0.00	-7,080.7	-238.3	1,710.0	1,591.2	118.78	14.397	
18,200.0	10,880.0	16,508.0	9,171.0	126.0	124.3	0.00	-7,180.7	-237.5	1,710.0	1,589.7	120.31	14.213	
18,300.0	10,880.0	16,608.0	9,171.0	127.6	125.9	0.00	-7,280.7	-236.7	1,710.0	1,588.2	121.84	14.035	
18,400.0	10,880.0	16,708.0	9,171.0	129.1	127.5	0.00	-7,380.7	-236.0	1,710.0	1,586.6	123.37	13.860	
18,500.0	10,880.0	16,808.0	9,171.0	130.7	129.1	0.00	-7,480.7	-235.2	1,710.0	1,585.1	124.91	13.690	
18,600.0	10,880.0	16,908.0	9,171.0	132.3	130.7	0.00	-7,580.7	-234.4	1,710.0	1,583.6	126.44	13.524	
18,700.0	10,880.0	17,008.0	9,171.0	133.9	132.3	0.00	-7,680.7	-233.7	1,710.0	1,582.0	127.98	13.361	
18,800.0	10,880.0	17,108.0	9,171.0	135.5	133.9	0.00	-7,780.7	-232.9	1,710.0	1,580.5	129.52	13.203	
18,900.0	10,880.0	17,208.0	9,171.0	137.0	135.5	0.00	-7,880.7	-232.1	1,710.0	1,578.9	131.05	13.048	
19,000.0	10,880.0	17,308.0	9,171.0	138.6	137.1	0.00	-7,980.7	-231.4	1,710.0	1,577.4	132.59	12.897	
19,100.0	10,880.0	17,408.0	9,171.0	140.2	138.7	0.00	-8,080.6	-230.6	1,710.0	1,575.9	134.13	12.749	
19,200.0	10,880.0	17,508.0	9,171.0	141.8	140.3	0.00	-8,180.6	-229.8	1,710.0	1,574.3	135.67	12.604	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
19,300.0	10,880.0	17,608.0	9,171.0	143.4	141.9	0.00	-8,280.6	-229.1	1,710.0	1,572.8	137.21	12.462	
19,400.0	10,880.0	17,708.0	9,171.0	145.0	143.5	0.00	-8,380.6	-228.3	1,710.0	1,571.2	138.75	12.324	
19,500.0	10,880.0	17,808.0	9,171.0	146.6	145.1	0.00	-8,480.6	-227.5	1,710.0	1,569.7	140.30	12.189	
19,600.0	10,880.0	17,908.0	9,171.0	148.2	146.7	0.00	-8,580.6	-226.7	1,710.0	1,568.2	141.84	12.056	
19,700.0	10,880.0	18,008.0	9,171.0	149.8	148.3	0.00	-8,680.6	-226.0	1,710.0	1,566.6	143.38	11.926	
19,800.0	10,880.0	18,108.0	9,171.0	151.4	149.9	0.00	-8,780.6	-225.2	1,710.0	1,565.1	144.92	11.799	
19,900.0	10,880.0	18,208.0	9,171.0	153.0	151.5	0.00	-8,880.6	-224.4	1,710.0	1,563.5	146.47	11.675	
20,000.0	10,880.0	18,308.0	9,171.0	154.6	153.2	0.00	-8,980.6	-223.7	1,710.0	1,562.0	148.01	11.553	
20,100.0	10,880.0	18,408.0	9,171.0	156.2	154.8	0.00	-9,080.6	-222.9	1,710.0	1,560.4	149.56	11.434	
20,200.0	10,880.0	18,508.0	9,171.0	157.8	156.4	0.00	-9,180.6	-222.1	1,710.0	1,558.9	151.10	11.317	
20,300.0	10,880.0	18,608.0	9,171.0	159.4	158.0	0.00	-9,280.6	-221.4	1,710.0	1,557.4	152.65	11.202	
20,400.0	10,880.0	18,708.0	9,171.0	161.0	159.6	0.00	-9,380.6	-220.6	1,710.0	1,555.8	154.20	11.090	
20,500.0	10,880.0	18,808.0	9,171.0	162.6	161.2	0.00	-9,480.6	-219.8	1,710.0	1,554.3	155.74	10.980	
20,600.0	10,880.0	18,908.0	9,171.0	164.2	162.9	0.00	-9,580.6	-219.1	1,710.0	1,552.7	157.29	10.872	
20,700.0	10,880.0	19,008.0	9,171.0	165.8	164.5	0.00	-9,680.6	-218.3	1,710.0	1,551.2	158.84	10.766	
20,800.0	10,880.0	19,108.0	9,171.0	167.4	166.1	0.00	-9,780.6	-217.5	1,710.0	1,549.6	160.39	10.662	
20,900.0	10,880.0	19,208.0	9,171.0	169.0	167.7	0.00	-9,880.6	-216.7	1,710.0	1,548.1	161.94	10.560	
21,000.0	10,880.0	19,308.0	9,171.0	170.6	169.3	0.00	-9,980.6	-216.0	1,710.0	1,546.5	163.48	10.460	
21,100.0	10,880.0	19,392.0	9,171.0	172.2	170.7	0.00	-10,080.6	-215.2	1,710.0	1,545.1	164.91	10.369	
21,182.4	10,880.0	19,474.4	9,171.0	173.4	171.9	0.00	-10,163.0	-214.6	1,710.0	1,544.4	165.58	10.327	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	0.0	0.0	0.0	0.0	-90.44	-0.2	-29.9	29.9				
100.0	100.0	100.0	100.0	0.1	0.1	-90.44	-0.2	-29.9	29.9	29.7	0.26	116.783	
200.0	200.0	200.0	200.0	0.5	0.5	-90.44	-0.2	-29.9	29.9	29.0	0.97	30.755	
300.0	300.0	300.0	300.0	0.8	0.8	-90.44	-0.2	-29.9	29.9	28.2	1.69	17.709	
400.0	400.0	400.0	400.0	1.2	1.2	-90.44	-0.2	-29.9	29.9	27.5	2.41	12.435	
500.0	500.0	500.0	500.0	1.6	1.6	-90.44	-0.2	-29.9	29.9	26.8	3.12	9.581	
600.0	600.0	600.0	600.0	1.9	1.9	-90.44	-0.2	-29.9	29.9	26.1	3.84	7.793	
700.0	700.0	700.0	700.0	2.3	2.3	-90.44	-0.2	-29.9	29.9	25.4	4.56	6.567	
800.0	800.0	800.0	800.0	2.6	2.6	-90.44	-0.2	-29.9	29.9	24.7	5.27	5.674	
900.0	900.0	900.0	900.0	3.0	3.0	-90.44	-0.2	-29.9	29.9	23.9	5.99	4.996	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-90.44	-0.2	-29.9	29.9	23.2	6.71	4.462	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	-45.07	-0.2	-29.9	29.3	21.9	7.42	3.949	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	-48.95	-0.2	-29.9	27.5	19.4	8.14	3.383	
1,300.0	1,299.9	1,300.1	1,299.9	4.4	4.4	-56.56	-0.2	-29.9	24.9	16.0	8.85	2.811	
1,400.0	1,399.7	1,400.3	1,399.7	4.8	4.8	-69.89	-0.2	-29.9	22.1	12.5	9.57	2.311	
1,497.4	1,496.7	1,496.7	1,496.7	5.1	5.1	-90.00	-0.2	-29.9	20.8	10.5	10.26	2.022	CC
1,500.0	1,499.4	1,499.4	1,499.4	5.1	5.1	-90.63	-0.2	-29.9	20.8	10.5	10.28	2.018	ES
1,600.0	1,598.9	1,599.3	1,599.3	5.5	5.5	-114.37	0.6	-30.0	22.2	11.2	11.01	2.015	SF
1,700.0	1,698.3	1,699.2	1,699.2	5.9	5.9	-134.95	3.2	-30.3	26.2	14.5	11.72	2.233	
1,800.0	1,797.4	1,799.2	1,799.1	6.3	6.2	-150.92	7.5	-30.8	32.3	19.9	12.43	2.602	
1,900.0	1,896.4	1,899.3	1,899.0	6.6	6.6	-162.64	13.6	-31.4	39.4	26.3	13.14	2.998	
2,000.0	1,995.5	1,999.5	1,998.9	7.0	6.9	-171.71	21.4	-32.2	46.1	32.2	13.85	3.328	
2,100.0	2,094.5	2,099.8	2,098.7	7.4	7.3	-179.56	31.0	-33.3	52.2	37.7	14.56	3.589	
2,200.0	2,193.5	2,200.1	2,198.3	7.8	7.7	173.09	42.2	-34.5	58.0	42.7	15.28	3.794	
2,300.0	2,292.5	2,300.3	2,297.7	8.2	8.0	165.87	55.3	-35.8	63.4	47.4	16.02	3.960	
2,400.0	2,391.6	2,400.2	2,396.3	8.6	8.4	159.30	69.0	-37.3	69.3	52.5	16.78	4.131	
2,500.0	2,490.6	2,500.6	2,494.8	9.0	8.8	153.81	82.8	-38.8	76.0	58.4	17.55	4.328	
2,600.0	2,589.6	2,601.1	2,593.4	9.4	9.2	149.24	96.6	-40.3	83.2	64.9	18.33	4.539	
2,700.0	2,688.6	2,701.6	2,692.0	9.8	9.6	145.41	110.4	-41.7	90.9	71.7	19.11	4.754	
2,800.0	2,787.7	2,802.0	2,790.5	10.2	10.0	142.19	124.1	-43.2	98.9	79.0	19.90	4.968	
2,900.0	2,886.7	2,902.5	2,889.1	10.6	10.4	139.45	137.9	-44.7	107.1	86.4	20.69	5.178	
3,000.0	2,985.7	3,003.0	2,987.7	11.0	10.7	137.12	151.7	-46.1	115.6	94.1	21.49	5.381	
3,100.0	3,084.8	3,103.4	3,086.2	11.4	11.1	135.10	165.5	-47.6	124.3	102.0	22.29	5.576	
3,200.0	3,183.8	3,203.9	3,184.8	11.8	11.5	133.35	179.2	-49.1	133.0	110.0	23.09	5.763	
3,300.0	3,282.8	3,304.3	3,283.4	12.3	11.9	131.81	193.0	-50.5	141.9	118.0	23.89	5.942	
3,400.0	3,381.8	3,404.8	3,381.9	12.7	12.3	130.46	206.8	-52.0	150.9	126.2	24.69	6.112	
3,500.0	3,480.9	3,505.3	3,480.5	13.1	12.7	129.26	220.6	-53.5	160.0	134.5	25.50	6.274	
3,600.0	3,579.9	3,605.7	3,579.1	13.5	13.1	128.19	234.3	-54.9	169.1	142.8	26.30	6.428	
3,700.0	3,678.9	3,706.2	3,677.6	13.9	13.5	127.23	248.1	-56.4	178.2	151.1	27.11	6.575	
3,800.0	3,777.9	3,806.7	3,776.2	14.3	14.0	126.36	261.9	-57.9	187.5	159.5	27.92	6.714	
3,900.0	3,877.0	3,907.1	3,874.8	14.7	14.4	125.57	275.7	-59.3	196.7	168.0	28.73	6.847	
4,000.0	3,976.0	4,007.6	3,973.3	15.1	14.8	124.86	289.4	-60.8	206.0	176.4	29.54	6.974	
4,100.0	4,075.0	4,091.9	4,071.9	15.6	15.1	124.20	303.2	-62.3	215.3	185.0	30.28	7.109	
4,200.0	4,174.0	4,191.7	4,170.7	16.0	15.5	123.63	316.9	-63.7	224.6	193.5	31.09	7.224	
4,300.0	4,273.1	4,291.9	4,270.2	16.4	15.9	123.58	328.7	-65.0	233.7	201.8	31.89	7.329	
4,400.0	4,372.1	4,392.2	4,370.1	16.8	16.3	124.16	337.9	-66.0	242.6	209.9	32.67	7.425	
4,500.0	4,471.1	4,492.3	4,470.0	17.2	16.7	125.29	344.5	-66.7	251.2	217.8	33.42	7.516	
4,600.0	4,570.2	4,592.2	4,569.8	17.6	17.0	126.92	348.5	-67.1	259.7	225.6	34.15	7.606	
4,700.0	4,669.2	4,691.6	4,669.2	18.0	17.4	128.99	349.9	-67.3	268.4	233.5	34.84	7.703	
4,767.4	4,735.9	4,758.4	4,735.9	18.3	17.6	130.51	349.9	-67.3	274.4	239.1	35.30	7.774	
4,800.0	4,768.2	4,809.3	4,768.2	18.5	17.8	131.23	349.9	-67.3	277.3	241.7	35.58	7.793	
4,900.0	4,867.5	4,890.0	4,867.5	18.9	18.0	133.09	349.9	-67.3	285.2	249.0	36.20	7.880	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
5,000.0	4,967.1	4,989.6	4,967.1	19.2	18.4	134.47	349.9	-67.3	291.6	254.7	36.88	7.908	
5,100.0	5,066.9	5,089.3	5,066.9	19.6	18.7	135.42	349.9	-67.3	296.2	258.7	37.55	7.888	
5,200.0	5,166.8	5,189.3	5,166.8	20.0	19.1	135.98	349.9	-67.3	299.1	260.8	38.23	7.822	
5,300.7	5,267.5	5,290.0	5,267.5	20.3	19.4	89.62	349.9	-67.3	300.0	261.1	38.92	7.709	
5,400.0	5,366.8	5,389.2	5,366.8	20.6	19.7	89.62	349.9	-67.3	300.0	260.4	39.59	7.578	
5,500.0	5,466.8	5,489.2	5,466.8	20.9	20.1	89.62	349.9	-67.3	300.0	259.7	40.27	7.450	
5,600.0	5,566.8	5,589.2	5,566.8	21.3	20.4	89.62	349.9	-67.3	300.0	259.1	40.95	7.326	
5,700.0	5,666.8	5,689.2	5,666.8	21.6	20.8	89.62	349.9	-67.3	300.0	258.4	41.64	7.206	
5,800.0	5,766.8	5,789.2	5,766.8	21.9	21.1	89.62	349.9	-67.3	300.0	257.7	42.32	7.089	
5,900.0	5,866.8	5,889.2	5,866.8	22.3	21.5	89.62	349.9	-67.3	300.0	257.0	43.01	6.976	
6,000.0	5,966.8	5,989.2	5,966.8	22.6	21.8	89.62	349.9	-67.3	300.0	256.3	43.69	6.867	
6,100.0	6,066.8	6,089.2	6,066.8	22.9	22.2	89.62	349.9	-67.3	300.0	255.6	44.38	6.760	
6,200.0	6,166.8	6,189.2	6,166.8	23.3	22.5	89.62	349.9	-67.3	300.0	255.0	45.07	6.657	
6,300.0	6,266.8	6,289.2	6,266.8	23.6	22.8	89.62	349.9	-67.3	300.0	254.3	45.76	6.557	
6,400.0	6,366.8	6,389.2	6,366.8	23.9	23.2	89.62	349.9	-67.3	300.0	253.6	46.45	6.460	
6,500.0	6,466.8	6,489.2	6,466.8	24.3	23.5	89.62	349.9	-67.3	300.0	252.9	47.14	6.365	
6,600.0	6,566.8	6,589.2	6,566.8	24.6	23.9	89.62	349.9	-67.3	300.0	252.2	47.83	6.273	
6,700.0	6,666.8	6,689.2	6,666.8	24.9	24.2	89.62	349.9	-67.3	300.0	251.5	48.52	6.184	
6,800.0	6,766.8	6,789.2	6,766.8	25.3	24.6	89.62	349.9	-67.3	300.0	250.8	49.21	6.096	
6,900.0	6,866.8	6,889.2	6,866.8	25.6	24.9	89.62	349.9	-67.3	300.0	250.1	49.91	6.012	
7,000.0	6,966.8	6,989.2	6,966.8	26.0	25.3	89.62	349.9	-67.3	300.0	249.4	50.60	5.929	
7,100.0	7,066.8	7,089.2	7,066.8	26.3	25.6	89.62	349.9	-67.3	300.0	248.7	51.29	5.849	
7,200.0	7,166.8	7,189.2	7,166.8	26.6	26.0	89.62	349.9	-67.3	300.0	248.0	51.99	5.771	
7,300.0	7,266.8	7,289.2	7,266.8	27.0	26.3	89.62	349.9	-67.3	300.0	247.3	52.69	5.695	
7,400.0	7,366.8	7,389.2	7,366.8	27.3	26.7	89.62	349.9	-67.3	300.0	246.6	53.38	5.620	
7,500.0	7,466.8	7,489.2	7,466.8	27.7	27.0	89.62	349.9	-67.3	300.0	245.9	54.08	5.548	
7,600.0	7,566.8	7,589.2	7,566.8	28.0	27.4	89.62	349.9	-67.3	300.0	245.2	54.78	5.477	
7,700.0	7,666.8	7,689.2	7,666.8	28.3	27.7	89.62	349.9	-67.3	300.0	244.5	55.47	5.408	
7,800.0	7,766.8	7,789.2	7,766.8	28.7	28.1	89.62	349.9	-67.3	300.0	243.9	56.17	5.341	
7,900.0	7,866.8	7,889.2	7,866.8	29.0	28.4	89.62	349.9	-67.3	300.0	243.2	56.87	5.275	
8,000.0	7,966.8	7,989.2	7,966.8	29.4	28.8	89.62	349.9	-67.3	300.0	242.5	57.57	5.211	
8,100.0	8,066.8	8,089.2	8,066.8	29.7	29.1	89.62	349.9	-67.3	300.0	241.8	58.27	5.149	
8,200.0	8,166.8	8,189.2	8,166.8	30.1	29.5	89.62	349.9	-67.3	300.0	241.1	58.97	5.088	
8,300.0	8,266.8	8,289.2	8,266.8	30.4	29.8	89.62	349.9	-67.3	300.0	240.4	59.67	5.028	
8,400.0	8,366.8	8,389.2	8,366.8	30.7	30.2	89.62	349.9	-67.3	300.0	239.7	60.37	4.970	
8,500.0	8,466.8	8,489.2	8,466.8	31.1	30.5	89.62	349.9	-67.3	300.0	238.9	61.07	4.912	
8,600.0	8,566.8	8,589.2	8,566.8	31.4	30.9	89.62	349.9	-67.3	300.0	238.2	61.78	4.857	
8,700.0	8,666.8	8,689.2	8,666.8	31.8	31.3	89.62	349.9	-67.3	300.0	237.5	62.48	4.802	
8,800.0	8,766.8	8,789.2	8,766.8	32.1	31.6	89.62	349.9	-67.3	300.0	236.8	63.18	4.749	
8,900.0	8,866.8	8,889.2	8,866.8	32.5	32.0	89.62	349.9	-67.3	300.0	236.1	63.88	4.696	
9,000.0	8,966.8	8,989.2	8,966.8	32.8	32.3	89.62	349.9	-67.3	300.0	235.4	64.59	4.645	
9,100.0	9,066.8	9,089.2	9,066.8	33.2	32.7	89.62	349.9	-67.3	300.0	234.7	65.29	4.595	
9,200.0	9,166.8	9,189.2	9,166.8	33.5	33.0	89.62	349.9	-67.3	300.0	234.0	65.99	4.546	
9,300.0	9,266.8	9,289.2	9,266.8	33.9	33.4	89.62	349.9	-67.3	300.0	233.3	66.70	4.498	
9,307.4	9,274.2	9,303.3	9,274.2	33.9	33.4	89.62	349.9	-67.3	300.0	233.3	66.77	4.493	
9,400.0	9,366.8	9,387.8	9,365.3	34.2	33.7	89.68	349.6	-67.2	300.1	232.7	67.38	4.453	
9,500.0	9,466.8	9,479.8	9,456.6	34.6	34.0	91.68	339.1	-65.7	301.9	234.0	67.90	4.446	
9,600.0	9,566.8	9,566.3	9,539.9	34.9	34.2	95.96	316.1	-62.5	307.7	239.5	68.12	4.517	
9,700.0	9,666.8	9,644.3	9,611.2	35.2	34.4	101.50	285.0	-58.0	320.5	252.7	67.71	4.733	
9,800.0	9,766.8	9,712.7	9,669.7	35.6	34.5	107.30	250.1	-53.1	343.1	276.8	66.33	5.173	
9,900.0	9,866.8	9,771.4	9,716.3	35.9	34.6	112.65	214.7	-48.0	377.3	313.3	63.91	5.903	
10,000.0	9,966.8	9,821.4	9,752.9	36.3	34.7	117.25	181.0	-43.2	422.6	361.8	60.77	6.954	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,100.0	10,066.8	9,863.9	9,781.6	36.6	34.8	121.08	150.0	-38.8	477.9	420.5	57.36	8.332	
10,200.0	10,166.8	9,900.0	9,804.1	37.0	34.8	124.19	122.1	-34.8	541.4	487.3	54.02	10.021	
10,300.0	10,266.8	9,931.1	9,822.0	37.3	34.9	126.76	96.9	-31.3	611.3	560.4	50.99	11.989	
10,340.2	10,307.0	9,950.0	9,832.2	37.5	34.9	128.26	81.2	-29.0	641.1	590.8	50.30	12.746	
10,350.0	10,316.8	9,950.0	9,832.2	37.5	34.9	-44.77	81.2	-29.0	648.3	598.5	49.88	12.997	
10,400.0	10,366.7	9,950.0	9,832.2	37.7	34.9	-41.08	81.2	-29.0	685.1	637.3	47.79	14.335	
10,450.0	10,416.1	9,973.8	9,844.3	37.8	35.0	-36.60	60.9	-26.1	720.5	673.5	46.97	15.339	
10,500.0	10,464.7	10,000.0	9,856.7	37.9	35.0	-32.87	38.0	-22.9	754.7	708.5	46.24	16.324	
10,550.0	10,512.1	10,000.0	9,856.7	38.1	35.0	-30.63	38.0	-22.9	787.1	742.9	44.25	17.790	
10,600.0	10,558.0	10,021.4	9,865.9	38.2	35.0	-28.14	18.8	-20.1	817.8	774.5	43.29	18.892	
10,650.0	10,601.9	10,050.0	9,877.2	38.3	35.1	-25.94	-7.1	-16.4	846.9	804.2	42.63	19.867	
10,700.0	10,643.6	10,050.0	9,877.2	38.3	35.1	-24.60	-7.1	-16.4	873.5	832.7	40.83	21.396	
10,750.0	10,682.7	10,072.8	9,885.2	38.4	35.1	-23.14	-28.2	-13.4	898.2	858.2	39.99	22.463	
10,800.0	10,719.0	10,100.0	9,893.7	38.5	35.2	-21.89	-53.9	-9.8	920.8	881.5	39.32	23.415	
10,850.0	10,752.1	10,100.0	9,893.7	38.5	35.2	-21.09	-53.9	-9.8	940.9	903.1	37.85	24.861	
10,900.0	10,781.9	10,126.4	9,900.7	38.6	35.3	-20.24	-79.1	-6.2	958.6	921.3	37.28	25.711	
10,950.0	10,808.0	10,150.0	9,906.0	38.6	35.3	-19.58	-101.8	-3.0	974.0	937.3	36.70	26.538	
11,000.0	10,830.3	10,150.0	9,906.0	38.6	35.3	-19.13	-101.8	-3.0	987.1	951.4	35.72	27.633	
11,050.0	10,848.7	10,181.5	9,911.5	38.6	35.4	-18.71	-132.5	1.4	997.2	961.7	35.52	28.076	
11,100.0	10,862.9	10,200.0	9,914.0	38.7	35.4	-18.44	-150.7	4.0	1,005.0	969.8	35.20	28.556	
11,150.0	10,872.9	10,218.7	9,915.9	38.7	35.5	-18.28	-169.1	6.6	1,010.3	975.3	35.03	28.844	
11,200.0	10,878.5	10,250.0	9,917.7	38.8	35.5	-18.23	-200.0	11.0	1,013.1	978.1	35.09	28.876	
11,240.2	10,880.0	10,250.0	9,917.7	38.9	35.5	-18.23	-200.0	11.0	1,013.2	978.1	35.11	28.854	
11,260.5	10,880.0	10,259.9	9,917.9	38.9	35.6	-18.25	-209.8	12.4	1,013.0	977.8	35.21	28.768	
11,300.0	10,880.0	10,289.0	9,918.0	39.0	35.6	-18.32	-238.6	16.4	1,013.5	978.0	35.44	28.598	
11,400.0	10,880.0	10,401.5	9,918.0	39.3	36.0	-18.56	-350.4	29.2	1,014.9	978.8	36.05	28.152	
11,500.0	10,880.0	10,514.2	9,918.0	39.7	36.4	-18.78	-462.8	37.7	1,016.1	979.4	36.73	27.662	
11,528.2	10,880.0	10,546.0	9,918.0	39.8	36.5	-18.83	-494.6	39.3	1,016.5	979.5	36.95	27.509	
11,600.0	10,880.0	10,627.1	9,918.0	40.1	36.9	-18.93	-575.6	41.7	1,017.0	979.5	37.47	27.142	
11,700.0	10,880.0	10,729.8	9,918.0	40.6	37.5	-18.93	-678.3	42.6	1,017.0	978.8	38.19	26.628	
11,800.0	10,880.0	10,829.8	9,918.0	41.1	38.0	-18.93	-778.3	43.3	1,017.0	978.0	38.99	26.086	
11,900.0	10,880.0	10,929.8	9,918.0	41.7	38.7	-18.93	-878.3	44.1	1,017.0	977.2	39.85	25.522	
12,000.0	10,880.0	11,029.8	9,918.0	42.4	39.4	-18.93	-978.3	44.9	1,017.0	976.3	40.77	24.943	
12,100.0	10,880.0	11,129.8	9,918.0	43.1	40.2	-18.93	-1,078.3	45.6	1,017.0	975.3	41.76	24.355	
12,200.0	10,880.0	11,229.8	9,918.0	43.8	41.0	-18.93	-1,178.3	46.4	1,017.0	974.2	42.80	23.762	
12,300.0	10,880.0	11,329.8	9,918.0	44.7	41.8	-18.93	-1,278.3	47.2	1,017.0	973.1	43.89	23.171	
12,400.0	10,880.0	11,429.8	9,918.0	45.5	42.8	-18.93	-1,378.3	47.9	1,017.0	972.0	45.03	22.584	
12,500.0	10,880.0	11,529.8	9,918.0	46.4	43.7	-18.93	-1,478.3	48.7	1,017.0	970.8	46.22	22.005	
12,600.0	10,880.0	11,629.8	9,918.0	47.3	44.7	-18.93	-1,578.3	49.5	1,017.0	969.6	47.44	21.436	
12,700.0	10,880.0	11,729.8	9,918.0	48.3	45.7	-18.93	-1,678.3	50.2	1,017.0	968.3	48.71	20.880	
12,800.0	10,880.0	11,829.8	9,918.0	49.3	46.8	-18.93	-1,778.3	51.0	1,017.0	967.0	50.01	20.337	
12,900.0	10,880.0	11,929.8	9,918.0	50.4	47.9	-18.93	-1,878.3	51.8	1,017.0	965.7	51.34	19.810	
13,000.0	10,880.0	12,029.8	9,918.0	51.5	49.0	-18.93	-1,978.3	52.6	1,017.0	964.3	52.70	19.298	
13,100.0	10,880.0	12,129.8	9,918.0	52.6	50.2	-18.93	-2,078.3	53.3	1,017.0	962.9	54.09	18.802	
13,200.0	10,880.0	12,229.8	9,918.0	53.7	51.4	-18.93	-2,178.3	54.1	1,017.0	961.5	55.51	18.323	
13,300.0	10,880.0	12,329.8	9,918.0	54.9	52.6	-18.93	-2,278.3	54.9	1,017.0	960.1	56.95	17.860	
13,400.0	10,880.0	12,429.8	9,918.0	56.0	53.9	-18.93	-2,378.3	55.6	1,017.0	958.6	58.41	17.413	
13,500.0	10,880.0	12,529.8	9,918.0	57.3	55.1	-18.93	-2,478.3	56.4	1,017.0	957.1	59.89	16.982	
13,600.0	10,880.0	12,629.8	9,918.0	58.5	56.4	-18.93	-2,578.3	57.2	1,017.0	955.6	61.39	16.567	
13,700.0	10,880.0	12,729.8	9,918.0	59.7	57.7	-18.93	-2,678.3	57.9	1,017.0	954.1	62.91	16.167	
13,800.0	10,880.0	12,829.8	9,918.0	61.0	59.0	-18.93	-2,778.3	58.7	1,017.0	952.6	64.44	15.783	
13,900.0	10,880.0	12,929.8	9,918.0	62.3	60.3	-18.93	-2,878.3	59.5	1,017.0	951.0	65.99	15.412	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	10,880.0	13,029.8	9,918.0	63.6	61.7	-18.93	-2,978.3	60.2	1,017.0	949.5	67.55	15.055	
14,100.0	10,880.0	13,129.8	9,918.0	64.9	63.1	-18.93	-3,078.3	61.0	1,017.0	947.9	69.13	14.712	
14,200.0	10,880.0	13,229.8	9,918.0	66.2	64.4	-18.93	-3,178.3	61.8	1,017.0	946.3	70.72	14.381	
14,300.0	10,880.0	13,329.8	9,918.0	67.6	65.8	-18.93	-3,278.3	62.5	1,017.0	944.7	72.32	14.063	
14,400.0	10,880.0	13,429.8	9,918.0	69.0	67.2	-18.93	-3,378.3	63.3	1,017.0	943.1	73.93	13.757	
14,500.0	10,880.0	13,529.8	9,918.0	70.3	68.6	-18.93	-3,478.2	64.1	1,017.0	941.5	75.55	13.461	
14,600.0	10,880.0	13,629.8	9,918.0	71.7	70.1	-18.93	-3,578.2	64.8	1,017.0	939.8	77.18	13.177	
14,700.0	10,880.0	13,729.8	9,918.0	73.1	71.5	-18.93	-3,678.2	65.6	1,017.0	938.2	78.82	12.903	
14,800.0	10,880.0	13,829.8	9,918.0	74.5	72.9	-18.93	-3,778.2	66.4	1,017.0	936.6	80.47	12.639	
14,900.0	10,880.0	13,929.8	9,918.0	75.9	74.4	-18.93	-3,878.2	67.1	1,017.0	934.9	82.13	12.384	
15,000.0	10,880.0	14,029.8	9,918.0	77.4	75.8	-18.93	-3,978.2	67.9	1,017.0	933.2	83.79	12.138	
15,100.0	10,880.0	14,129.8	9,918.0	78.8	77.3	-18.93	-4,078.2	68.7	1,017.0	931.6	85.46	11.901	
15,200.0	10,880.0	14,229.8	9,918.0	80.3	78.8	-18.93	-4,178.2	69.4	1,017.0	929.9	87.14	11.672	
15,300.0	10,880.0	14,329.8	9,918.0	81.7	80.3	-18.93	-4,278.2	70.2	1,017.0	928.2	88.82	11.451	
15,400.0	10,880.0	14,429.8	9,918.0	83.2	81.8	-18.93	-4,378.2	71.0	1,017.0	926.5	90.51	11.237	
15,500.0	10,880.0	14,529.8	9,918.0	84.6	83.3	-18.93	-4,478.2	71.8	1,017.0	924.8	92.20	11.030	
15,600.0	10,880.0	14,629.8	9,918.0	86.1	84.8	-18.93	-4,578.2	72.5	1,017.0	923.1	93.90	10.831	
15,700.0	10,880.0	14,729.8	9,918.0	87.6	86.3	-18.93	-4,678.2	73.3	1,017.0	921.4	95.60	10.638	
15,800.0	10,880.0	14,829.8	9,918.0	89.1	87.8	-18.93	-4,778.2	74.1	1,017.0	919.7	97.31	10.451	
15,900.0	10,880.0	14,929.8	9,918.0	90.6	89.3	-18.93	-4,878.2	74.8	1,017.0	918.0	99.03	10.270	
16,000.0	10,880.0	15,029.8	9,918.0	92.1	90.8	-18.93	-4,978.2	75.6	1,017.0	916.3	100.74	10.095	
16,100.0	10,880.0	15,129.8	9,918.0	93.6	92.3	-18.93	-5,078.2	76.4	1,017.0	914.6	102.47	9.926	
16,200.0	10,880.0	15,229.8	9,918.0	95.1	93.9	-18.93	-5,178.2	77.1	1,017.0	912.8	104.19	9.761	
16,300.0	10,880.0	15,329.8	9,918.0	96.6	95.4	-18.93	-5,278.2	77.9	1,017.0	911.1	105.92	9.602	
16,400.0	10,880.0	15,429.8	9,918.0	98.1	96.9	-18.93	-5,378.2	78.7	1,017.0	909.4	107.65	9.447	
16,500.0	10,880.0	15,529.8	9,918.0	99.6	98.5	-18.93	-5,478.2	79.4	1,017.0	907.6	109.39	9.297	
16,600.0	10,880.0	15,629.8	9,918.0	101.1	100.0	-18.93	-5,578.2	80.2	1,017.0	905.9	111.13	9.152	
16,700.0	10,880.0	15,729.8	9,918.0	102.7	101.6	-18.93	-5,678.2	81.0	1,017.0	904.2	112.87	9.011	
16,800.0	10,880.0	15,829.8	9,918.0	104.2	103.1	-18.93	-5,778.2	81.7	1,017.0	902.4	114.61	8.874	
16,900.0	10,880.0	15,929.8	9,918.0	105.7	104.7	-18.93	-5,878.2	82.5	1,017.0	900.7	116.36	8.740	
17,000.0	10,880.0	16,029.8	9,918.0	107.3	106.2	-18.93	-5,978.2	83.3	1,017.0	898.9	118.11	8.611	
17,100.0	10,880.0	16,129.8	9,918.0	108.8	107.8	-18.93	-6,078.2	84.0	1,017.0	897.2	119.86	8.485	
17,200.0	10,880.0	16,229.8	9,918.0	110.4	109.4	-18.93	-6,178.2	84.8	1,017.0	895.4	121.62	8.363	
17,300.0	10,880.0	16,329.8	9,918.0	111.9	110.9	-18.93	-6,278.2	85.6	1,017.0	893.6	123.37	8.244	
17,400.0	10,880.0	16,429.8	9,918.0	113.5	112.5	-18.93	-6,378.2	86.3	1,017.0	891.9	125.13	8.128	
17,500.0	10,880.0	16,529.8	9,918.0	115.0	114.1	-18.93	-6,478.2	87.1	1,017.0	890.1	126.89	8.015	
17,600.0	10,880.0	16,629.8	9,918.0	116.6	115.6	-18.93	-6,578.2	87.9	1,017.0	888.4	128.65	7.905	
17,700.0	10,880.0	16,729.8	9,918.0	118.2	117.2	-18.93	-6,678.2	88.6	1,017.0	886.6	130.42	7.798	
17,800.0	10,880.0	16,829.8	9,918.0	119.7	118.8	-18.93	-6,778.1	89.4	1,017.0	884.8	132.19	7.694	
17,900.0	10,880.0	16,929.8	9,918.0	121.3	120.4	-18.93	-6,878.1	90.2	1,017.0	883.1	133.96	7.592	
18,000.0	10,880.0	17,029.8	9,918.0	122.8	121.9	-18.93	-6,978.1	90.9	1,017.0	881.3	135.73	7.493	
18,100.0	10,880.0	17,129.8	9,918.0	124.4	123.5	-18.93	-7,078.1	91.7	1,017.0	879.5	137.50	7.397	
18,200.0	10,880.0	17,229.8	9,918.0	126.0	125.1	-18.93	-7,178.1	92.5	1,017.0	877.7	139.27	7.302	
18,300.0	10,880.0	17,329.8	9,918.0	127.6	126.7	-18.93	-7,278.1	93.3	1,017.0	876.0	141.05	7.211	
18,400.0	10,880.0	17,429.8	9,918.0	129.1	128.3	-18.93	-7,378.1	94.0	1,017.0	874.2	142.82	7.121	
18,500.0	10,880.0	17,529.8	9,918.0	130.7	129.9	-18.93	-7,478.1	94.8	1,017.0	872.4	144.60	7.033	
18,600.0	10,880.0	17,629.8	9,918.0	132.3	131.5	-18.93	-7,578.1	95.6	1,017.0	870.6	146.38	6.948	
18,700.0	10,880.0	17,729.8	9,918.0	133.9	133.1	-18.93	-7,678.1	96.3	1,017.0	868.9	148.16	6.864	
18,800.0	10,880.0	17,829.8	9,918.0	135.5	134.7	-18.93	-7,778.1	97.1	1,017.0	867.1	149.94	6.783	
18,900.0	10,880.0	17,929.8	9,918.0	137.0	136.3	-18.93	-7,878.1	97.9	1,017.0	865.3	151.72	6.703	
19,000.0	10,880.0	18,029.8	9,918.0	138.6	137.9	-18.93	-7,978.1	98.6	1,017.0	863.5	153.51	6.625	
19,100.0	10,880.0	18,129.8	9,918.0	140.2	139.5	-18.93	-8,078.1	99.4	1,017.0	861.7	155.29	6.549	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	10,880.0	18,229.8	9,918.0	141.8	141.1	-18.93	-8,178.1	100.2	1,017.0	859.9	157.08	6.475	
19,300.0	10,880.0	18,329.8	9,918.0	143.4	142.7	-18.93	-8,278.1	100.9	1,017.0	858.1	158.87	6.402	
19,400.0	10,880.0	18,429.8	9,918.0	145.0	144.3	-18.93	-8,378.1	101.7	1,017.0	856.4	160.66	6.330	
19,500.0	10,880.0	18,529.8	9,918.0	146.6	145.9	-18.93	-8,478.1	102.5	1,017.0	854.6	162.44	6.261	
19,600.0	10,880.0	18,629.8	9,918.0	148.2	147.5	-18.93	-8,578.1	103.2	1,017.0	852.8	164.23	6.192	
19,700.0	10,880.0	18,729.8	9,918.0	149.8	149.1	-18.93	-8,678.1	104.0	1,017.0	851.0	166.03	6.126	
19,800.0	10,880.0	18,829.8	9,918.0	151.4	150.7	-18.93	-8,778.1	104.8	1,017.0	849.2	167.82	6.060	
19,900.0	10,880.0	18,929.8	9,918.0	153.0	152.3	-18.93	-8,878.1	105.5	1,017.0	847.4	169.61	5.996	
20,000.0	10,880.0	19,029.8	9,918.0	154.6	153.9	-18.93	-8,978.1	106.3	1,017.0	845.6	171.40	5.933	
20,100.0	10,880.0	19,129.8	9,918.0	156.2	155.5	-18.93	-9,078.1	107.1	1,017.0	843.8	173.20	5.872	
20,200.0	10,880.0	19,229.8	9,918.0	157.8	157.1	-18.93	-9,178.1	107.8	1,017.0	842.0	174.99	5.812	
20,300.0	10,880.0	19,329.8	9,918.0	159.4	158.7	-18.93	-9,278.1	108.6	1,017.0	840.2	176.79	5.753	
20,400.0	10,880.0	19,429.8	9,918.0	161.0	160.3	-18.93	-9,378.1	109.4	1,017.0	838.4	178.59	5.695	
20,500.0	10,880.0	19,529.8	9,918.0	162.6	161.9	-18.93	-9,478.1	110.1	1,017.0	836.6	180.39	5.638	
20,600.0	10,880.0	19,629.8	9,918.0	164.2	163.6	-18.93	-9,578.1	110.9	1,017.0	834.8	182.18	5.582	
20,700.0	10,880.0	19,729.8	9,918.0	165.8	165.2	-18.93	-9,678.1	111.7	1,017.0	833.0	183.98	5.528	
20,800.0	10,880.0	19,829.8	9,918.0	167.4	166.8	-18.93	-9,778.1	112.5	1,017.0	831.2	185.78	5.474	
20,900.0	10,880.0	19,929.8	9,918.0	169.0	168.4	-18.93	-9,878.1	113.2	1,017.0	829.4	187.58	5.422	
21,000.0	10,880.0	20,029.8	9,918.0	170.6	170.0	-18.93	-9,978.1	114.0	1,017.0	827.6	189.38	5.370	
21,100.0	10,880.0	20,129.8	9,918.0	172.2	171.6	-18.93	-10,078.1	114.8	1,017.0	825.8	191.18	5.320	
21,182.4	10,880.0	20,212.2	9,918.0	173.4	173.0	-18.93	-10,160.5	115.4	1,017.0	824.6	192.40	5.286	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 #131H - 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	110.17	-29.5	80.3	85.5				
100.0	100.0	101.0	99.0	0.1	0.1	110.17	-29.5	80.3	85.5	85.2	0.26	328.977	
200.0	200.0	201.0	199.0	0.5	0.5	110.17	-29.5	80.3	85.5	84.5	0.98	87.526	
300.0	300.0	301.0	299.0	0.8	0.8	110.17	-29.5	80.3	85.5	83.8	1.69	50.478	
400.0	400.0	401.0	399.0	1.2	1.2	110.17	-29.5	80.3	85.5	83.1	2.41	35.466	
500.0	500.0	501.0	499.0	1.6	1.6	110.17	-29.5	80.3	85.5	82.4	3.13	27.336	
600.0	600.0	601.0	599.0	1.9	1.9	110.17	-29.5	80.3	85.5	81.7	3.84	22.239	
700.0	700.0	701.0	699.0	2.3	2.3	110.17	-29.5	80.3	85.5	80.9	4.56	18.743	
800.0	800.0	801.0	799.0	2.6	2.6	110.17	-29.5	80.3	85.5	80.2	5.28	16.198	
900.0	900.0	901.0	899.0	3.0	3.0	110.17	-29.5	80.3	85.5	79.5	6.00	14.261	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	110.17	-29.5	80.3	85.5	78.8	6.71	12.737	CC, ES
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	156.95	-29.5	80.3	86.3	78.9	7.43	11.621	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	157.60	-29.5	80.3	88.7	80.6	8.14	10.900	
1,300.0	1,299.9	1,301.1	1,298.9	4.4	4.4	158.61	-29.5	80.3	92.8	83.9	8.85	10.479	
1,400.0	1,399.7	1,401.3	1,398.7	4.8	4.8	159.89	-29.5	80.3	98.5	88.9	9.57	10.293	
1,500.0	1,499.4	1,501.6	1,498.4	5.1	5.2	161.33	-29.5	80.3	105.9	95.6	10.28	10.297	
1,600.0	1,598.9	1,602.1	1,597.9	5.5	5.5	162.83	-29.5	80.3	115.0	104.0	11.00	10.455	
1,700.0	1,698.3	1,702.7	1,697.3	5.9	5.9	164.32	-29.5	80.3	125.9	114.1	11.72	10.742	
1,800.0	1,797.4	1,803.6	1,796.4	6.3	6.2	165.75	-29.5	80.3	138.5	126.0	12.44	11.135	
1,900.0	1,896.4	1,904.6	1,895.4	6.6	6.6	167.04	-29.5	80.3	152.0	138.9	13.16	11.554	
2,000.0	1,995.5	2,005.5	1,994.5	7.0	7.0	168.12	-29.5	80.3	165.6	151.7	13.88	11.934	
2,100.0	2,094.5	2,106.5	2,093.5	7.4	7.3	169.03	-29.5	80.3	179.3	164.7	14.60	12.279	
2,200.0	2,193.5	2,207.5	2,192.5	7.8	7.7	169.82	-29.5	80.3	193.0	177.6	15.32	12.594	
2,300.0	2,292.5	2,308.5	2,291.5	8.2	8.0	170.50	-29.5	80.3	206.7	190.6	16.04	12.881	
2,400.0	2,391.6	2,409.4	2,390.6	8.6	8.4	171.10	-29.5	80.3	220.4	203.6	16.77	13.145	
2,500.0	2,490.6	2,489.6	2,489.6	9.0	8.7	171.62	-29.5	80.3	234.2	216.8	17.42	13.445	
2,600.0	2,589.6	2,588.6	2,588.6	9.4	9.0	172.09	-29.5	80.3	248.0	229.8	18.13	13.673	
2,700.0	2,688.6	2,687.6	2,687.6	9.8	9.4	172.51	-29.5	80.3	261.7	242.9	18.85	13.884	
2,800.0	2,787.7	2,786.7	2,786.7	10.2	9.8	172.89	-29.5	80.3	275.6	256.0	19.57	14.080	
2,900.0	2,886.7	2,885.7	2,885.7	10.6	10.1	173.23	-29.5	80.3	289.4	269.1	20.29	14.262	
3,000.0	2,985.7	2,984.7	2,984.7	11.0	10.5	173.54	-29.5	80.3	303.2	282.2	21.01	14.432	
3,100.0	3,084.8	3,083.8	3,083.8	11.4	10.8	173.71	-29.0	80.6	317.0	295.3	21.73	14.591	
3,200.0	3,183.8	3,182.9	3,182.9	11.8	11.2	173.57	-27.1	82.0	330.8	308.4	22.44	14.741	
3,300.0	3,282.8	3,281.9	3,281.8	12.3	11.5	173.16	-23.9	84.4	344.6	321.5	23.16	14.881	
3,400.0	3,381.8	3,380.9	3,380.6	12.7	11.9	172.50	-19.3	87.8	358.5	334.6	23.88	15.013	
3,500.0	3,480.9	3,479.6	3,479.0	13.1	12.2	171.63	-13.4	92.2	372.4	347.8	24.60	15.142	
3,600.0	3,579.9	3,578.1	3,577.2	13.5	12.6	170.56	-6.1	97.6	386.5	361.2	25.31	15.268	
3,700.0	3,678.9	3,676.4	3,674.8	13.9	12.9	169.34	2.5	104.1	400.8	374.8	26.03	15.396	
3,800.0	3,777.9	3,774.3	3,771.9	14.3	13.3	167.97	12.4	111.4	415.4	388.7	26.75	15.527	
3,900.0	3,877.0	3,872.4	3,869.1	14.7	13.7	166.52	23.3	119.6	430.4	402.9	27.48	15.662	
4,000.0	3,976.0	3,970.7	3,966.4	15.1	14.0	165.17	34.3	127.7	445.6	417.4	28.21	15.796	
4,100.0	4,075.0	4,069.0	4,063.8	15.6	14.4	163.90	45.3	135.9	461.1	432.2	28.95	15.930	
4,200.0	4,174.0	4,167.3	4,161.1	16.0	14.7	162.71	56.3	144.0	476.8	447.1	29.69	16.062	
4,300.0	4,273.1	4,265.6	4,258.4	16.4	15.1	161.60	67.2	152.2	492.7	462.2	30.43	16.192	
4,400.0	4,372.1	4,363.9	4,355.8	16.8	15.5	160.56	78.2	160.4	508.7	477.5	31.17	16.320	
4,500.0	4,471.1	4,462.2	4,453.1	17.2	15.9	159.59	89.2	168.5	524.9	493.0	31.92	16.446	
4,600.0	4,570.2	4,560.4	4,550.5	17.6	16.2	158.67	100.2	176.7	541.2	508.6	32.67	16.569	
4,700.0	4,669.2	4,658.7	4,647.8	18.0	16.6	157.80	111.1	184.9	557.7	524.3	33.42	16.689	
4,767.4	4,735.9	4,725.0	4,713.4	18.3	16.9	157.25	118.5	190.4	568.9	535.0	33.92	16.769	
4,800.0	4,768.2	4,757.0	4,745.1	18.5	17.0	157.01	122.1	193.0	574.2	540.0	34.17	16.803	
4,900.0	4,867.5	4,855.6	4,842.7	18.9	17.4	156.24	133.1	201.2	588.9	554.0	34.92	16.864	
5,000.0	4,967.1	4,954.3	4,940.5	19.2	17.8	155.41	144.1	209.4	601.4	565.7	35.67	16.859	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 #131H - 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	5,066.9	5,053.3	5,038.5	19.6	18.1	154.49	155.2	217.6	611.7	575.3	36.42	16.796	
5,200.0	5,166.8	5,152.3	5,136.5	20.0	18.5	153.49	166.2	225.9	619.9	582.7	37.17	16.678	
5,300.7	5,267.5	5,252.0	5,235.3	20.3	18.9	105.83	177.4	234.2	625.9	588.0	37.91	16.511	
5,400.0	5,366.8	5,350.3	5,332.6	20.6	19.3	104.67	188.4	242.3	631.0	592.4	38.64	16.331	
5,500.0	5,466.8	5,449.4	5,430.7	20.9	19.7	103.52	199.4	250.6	636.4	597.0	39.37	16.163	
5,600.0	5,566.8	5,548.4	5,528.8	21.3	20.1	102.38	210.5	258.8	642.0	601.9	40.11	16.008	
5,700.0	5,666.8	5,647.4	5,626.8	21.6	20.5	101.27	221.5	267.0	647.9	607.1	40.84	15.864	
5,800.0	5,766.8	5,746.4	5,724.9	21.9	20.9	100.18	232.6	275.2	654.1	612.5	41.58	15.731	
5,900.0	5,866.8	5,845.5	5,823.0	22.3	21.3	99.10	243.6	283.5	660.4	618.1	42.31	15.608	
6,000.0	5,966.8	5,944.5	5,921.0	22.6	21.7	98.05	254.7	291.7	667.0	624.0	43.05	15.496	
6,100.0	6,066.8	6,043.5	6,019.1	22.9	22.0	97.02	265.8	299.9	673.9	630.1	43.78	15.392	
6,200.0	6,166.8	6,142.5	6,117.2	23.3	22.4	96.01	276.8	308.1	680.9	636.4	44.51	15.297	
6,300.0	6,266.8	6,241.6	6,215.2	23.6	22.8	95.02	287.9	316.4	688.1	642.9	45.25	15.209	
6,400.0	6,366.8	6,340.6	6,313.3	23.9	23.2	94.05	298.9	324.6	695.6	649.6	45.98	15.129	
6,500.0	6,466.8	6,439.6	6,411.3	24.3	23.6	93.10	310.0	332.8	703.2	656.5	46.71	15.056	
6,600.0	6,566.8	6,538.7	6,509.4	24.6	24.0	92.17	321.1	341.0	711.1	663.6	47.44	14.990	
6,700.0	6,666.8	6,647.6	6,617.4	24.9	24.5	91.24	332.4	349.5	718.5	670.3	48.25	14.890	
6,800.0	6,766.8	6,759.5	6,728.7	25.3	24.9	90.51	341.4	356.2	724.5	675.4	49.08	14.762	
6,900.0	6,866.8	6,871.9	6,840.9	25.6	25.3	90.00	347.9	361.0	728.7	678.9	49.88	14.610	
7,000.0	6,966.8	6,984.8	6,953.6	26.0	25.7	89.70	351.8	363.9	731.3	680.6	50.66	14.436	
7,100.0	7,066.8	7,103.0	7,065.8	26.3	26.1	89.61	352.9	364.8	732.1	680.6	51.43	14.235	
7,200.0	7,166.8	7,203.0	7,165.8	26.6	26.5	89.61	352.9	364.8	732.1	679.9	52.12	14.046	
7,300.0	7,266.8	7,303.0	7,265.8	27.0	26.8	89.61	352.9	364.8	732.1	679.2	52.81	13.862	
7,400.0	7,366.8	7,403.0	7,365.8	27.3	27.2	89.61	352.9	364.8	732.1	678.6	53.50	13.682	
7,500.0	7,466.8	7,503.0	7,465.8	27.7	27.5	89.61	352.9	364.8	732.1	677.9	54.20	13.507	
7,600.0	7,566.8	7,603.0	7,565.8	28.0	27.8	89.61	352.9	364.8	732.1	677.2	54.89	13.336	
7,700.0	7,666.8	7,703.0	7,665.8	28.3	28.2	89.61	352.9	364.8	732.1	676.5	55.59	13.170	
7,800.0	7,766.8	7,803.0	7,765.8	28.7	28.5	89.61	352.9	364.8	732.1	675.8	56.28	13.007	
7,900.0	7,866.8	7,903.0	7,865.8	29.0	28.9	89.61	352.9	364.8	732.1	675.1	56.98	12.848	
8,000.0	7,966.8	8,003.0	7,965.8	29.4	29.2	89.61	352.9	364.8	732.1	674.4	57.67	12.693	
8,100.0	8,066.8	8,103.0	8,065.8	29.7	29.6	89.61	352.9	364.8	732.1	673.7	58.37	12.542	
8,200.0	8,166.8	8,203.0	8,165.8	30.1	29.9	89.61	352.9	364.8	732.1	673.0	59.07	12.394	
8,300.0	8,266.8	8,303.0	8,265.8	30.4	30.3	89.61	352.9	364.8	732.1	672.3	59.76	12.249	
8,400.0	8,366.8	8,403.0	8,365.8	30.7	30.6	89.61	352.9	364.8	732.1	671.6	60.46	12.108	
8,500.0	8,466.8	8,503.0	8,465.8	31.1	31.0	89.61	352.9	364.8	732.1	670.9	61.16	11.969	
8,600.0	8,566.8	8,603.0	8,565.8	31.4	31.3	89.61	352.9	364.8	732.1	670.2	61.86	11.834	
8,700.0	8,666.8	8,703.0	8,665.8	31.8	31.7	89.61	352.9	364.8	732.1	669.5	62.56	11.702	
8,800.0	8,766.8	8,803.0	8,765.8	32.1	32.0	89.61	352.9	364.8	732.1	668.8	63.26	11.572	
8,900.0	8,866.8	8,903.0	8,865.8	32.5	32.3	89.61	352.9	364.8	732.1	668.1	63.96	11.446	
9,000.0	8,966.8	9,003.0	8,965.8	32.8	32.7	89.61	352.9	364.8	732.1	667.4	64.66	11.322	
9,100.0	9,066.8	9,103.0	9,065.8	33.2	33.0	89.61	352.9	364.8	732.1	666.7	65.36	11.200	
9,200.0	9,166.8	9,203.0	9,165.8	33.5	33.4	89.61	352.9	364.8	732.1	666.0	66.06	11.082	
9,300.0	9,266.8	9,303.0	9,265.8	33.9	33.7	89.61	352.9	364.8	732.1	665.3	66.76	10.965	
9,400.0	9,366.8	9,403.0	9,365.8	34.2	34.1	89.61	352.9	364.8	732.1	664.6	67.46	10.851	
9,500.0	9,466.8	9,503.0	9,465.8	34.6	34.4	89.61	352.9	364.8	732.1	663.9	68.17	10.739	
9,600.0	9,566.8	9,603.0	9,565.8	34.9	34.8	89.61	352.9	364.8	732.1	663.2	68.87	10.630	
9,700.0	9,666.8	9,703.0	9,665.8	35.2	35.1	89.61	352.9	364.8	732.1	662.5	69.57	10.522	
9,800.0	9,766.8	9,803.0	9,765.8	35.6	35.5	89.61	352.9	364.8	732.1	661.8	70.27	10.417	
9,900.0	9,866.8	9,903.0	9,865.8	35.9	35.8	89.61	352.9	364.8	732.1	661.1	70.98	10.314	
10,000.0	9,966.8	10,003.0	9,965.8	36.3	36.2	89.61	352.9	364.8	732.1	660.4	71.68	10.213	
10,100.0	10,066.8	10,103.0	10,065.8	36.6	36.5	89.61	352.9	364.8	732.1	659.7	72.39	10.113	
10,200.0	10,166.8	10,203.0	10,165.8	37.0	36.9	89.61	352.9	364.8	732.1	659.0	73.09	10.016	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 #131H - 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
10,300.0	10,266.8	10,303.0	10,265.8	37.3	37.2	89.61	352.9	364.8	732.1	658.3	73.79	9.920	
10,340.2	10,307.0	10,337.2	10,306.0	37.5	37.4	89.61	352.9	364.8	732.1	658.0	74.06	9.885	
10,350.0	10,316.8	10,347.0	10,315.8	37.5	37.4	-84.20	352.9	364.8	732.1	657.9	74.12	9.876	
10,400.0	10,366.7	10,396.9	10,365.7	37.7	37.5	-84.30	350.9	364.8	731.7	657.3	74.43	9.831	
10,450.0	10,416.1	10,447.0	10,415.4	37.8	37.7	-84.45	344.4	364.8	731.0	656.3	74.72	9.783	
10,500.0	10,464.7	10,497.1	10,464.3	37.9	37.8	-84.64	333.7	364.9	729.8	654.9	74.99	9.733	
10,550.0	10,512.1	10,547.3	10,512.2	38.1	37.9	-84.86	318.7	365.0	728.3	653.0	75.23	9.680	
10,600.0	10,558.0	10,597.6	10,558.6	38.2	38.1	-85.13	299.5	365.2	726.3	650.8	75.46	9.624	
10,650.0	10,601.9	10,647.9	10,603.3	38.3	38.2	-85.43	276.3	365.3	723.9	648.2	75.67	9.566	
10,700.0	10,643.6	10,698.3	10,645.7	38.3	38.2	-85.77	249.2	365.6	721.1	645.2	75.86	9.506	
10,750.0	10,682.7	10,748.7	10,685.7	38.4	38.3	-86.14	218.6	365.8	718.0	642.0	76.04	9.443	
10,800.0	10,719.0	10,799.1	10,722.8	38.5	38.4	-86.54	184.4	366.1	714.5	638.3	76.20	9.377	
10,850.0	10,752.1	10,849.6	10,756.8	38.5	38.4	-86.97	147.2	366.3	710.8	634.4	76.37	9.308	
10,900.0	10,781.9	10,900.1	10,787.5	38.6	38.5	-87.42	107.0	366.6	706.8	630.2	76.52	9.236	
10,950.0	10,808.0	10,950.7	10,814.4	38.6	38.5	-87.90	64.3	367.0	702.5	625.8	76.68	9.161	
11,000.0	10,830.3	11,001.2	10,837.6	38.6	38.5	-88.40	19.3	367.3	698.0	621.2	76.84	9.084	
11,050.0	10,848.7	11,051.8	10,856.7	38.6	38.6	-88.91	-27.5	367.7	693.4	616.3	77.01	9.004	
11,100.0	10,862.9	11,102.5	10,871.5	38.7	38.6	-89.43	-75.9	368.0	688.6	611.4	77.18	8.921	
11,150.0	10,872.9	11,153.1	10,882.1	38.7	38.7	-89.97	-125.4	368.4	683.6	606.3	77.36	8.837	
11,200.0	10,878.5	11,203.8	10,888.2	38.8	38.8	-90.50	-175.7	368.8	678.7	601.1	77.55	8.751	
11,240.2	10,880.0	11,244.6	10,889.9	38.9	38.9	-90.94	-216.4	369.1	674.6	596.9	77.71	8.681	
11,300.0	10,880.0	11,304.2	10,890.0	39.0	39.0	-90.94	-276.1	369.6	669.3	591.3	77.98	8.583	
11,400.0	10,880.0	11,404.0	10,890.0	39.3	39.3	-90.95	-375.9	370.3	663.0	584.5	78.52	8.444	
11,500.0	10,880.0	11,504.0	10,890.0	39.7	39.6	-90.95	-475.8	371.1	660.3	581.1	79.20	8.337	
11,528.2	10,880.0	11,532.2	10,890.0	39.8	39.7	-90.95	-504.0	371.3	660.2	580.8	79.42	8.312	
11,600.0	10,880.0	11,604.0	10,890.0	40.1	40.0	-90.95	-575.8	371.9	660.2	580.2	80.01	8.251	
11,700.0	10,880.0	11,704.0	10,890.0	40.6	40.5	-90.95	-675.8	372.6	660.2	579.2	80.94	8.156	
11,800.0	10,880.0	11,804.0	10,890.0	41.1	41.0	-90.95	-775.8	373.4	660.2	578.2	82.00	8.051	
11,900.0	10,880.0	11,904.0	10,890.0	41.7	41.6	-90.95	-875.8	374.2	660.2	577.0	83.18	7.937	
12,000.0	10,880.0	12,004.0	10,890.0	42.4	42.2	-90.95	-975.8	374.9	660.2	575.7	84.46	7.816	
12,100.0	10,880.0	12,104.0	10,890.0	43.1	42.9	-90.95	-1,075.8	375.7	660.2	574.3	85.86	7.689	
12,200.0	10,880.0	12,204.0	10,890.0	43.8	43.7	-90.95	-1,175.8	376.5	660.2	572.8	87.36	7.557	
12,300.0	10,880.0	12,304.0	10,890.0	44.7	44.5	-90.95	-1,275.8	377.2	660.2	571.2	88.95	7.421	
12,400.0	10,880.0	12,404.0	10,890.0	45.5	45.3	-90.95	-1,375.8	378.0	660.2	569.5	90.64	7.283	
12,500.0	10,880.0	12,504.0	10,890.0	46.4	46.2	-90.95	-1,475.8	378.8	660.2	567.7	92.42	7.143	
12,600.0	10,880.0	12,604.0	10,890.0	47.3	47.1	-90.95	-1,575.8	379.5	660.2	565.9	94.28	7.002	
12,700.0	10,880.0	12,704.0	10,890.0	48.3	48.1	-90.95	-1,675.8	380.3	660.2	563.9	96.21	6.861	
12,800.0	10,880.0	12,804.0	10,890.0	49.3	49.1	-90.95	-1,775.8	381.1	660.2	561.9	98.22	6.721	
12,900.0	10,880.0	12,904.0	10,890.0	50.4	50.1	-90.95	-1,875.8	381.8	660.2	559.9	100.30	6.582	
13,000.0	10,880.0	13,004.0	10,890.0	51.5	51.2	-90.95	-1,975.8	382.6	660.2	557.7	102.45	6.444	
13,100.0	10,880.0	13,104.0	10,890.0	52.6	52.3	-90.95	-2,075.8	383.4	660.2	555.5	104.65	6.308	
13,200.0	10,880.0	13,204.0	10,890.0	53.7	53.4	-90.95	-2,175.8	384.1	660.1	553.2	106.91	6.175	
13,300.0	10,880.0	13,304.0	10,890.0	54.9	54.5	-90.95	-2,275.8	384.9	660.1	550.9	109.22	6.044	
13,400.0	10,880.0	13,404.0	10,890.0	56.0	55.7	-90.95	-2,375.7	385.7	660.1	548.6	111.59	5.916	
13,500.0	10,880.0	13,504.0	10,890.0	57.3	56.9	-90.95	-2,475.7	386.4	660.1	546.1	114.00	5.791	
13,600.0	10,880.0	13,604.0	10,890.0	58.5	58.1	-90.95	-2,575.7	387.2	660.1	543.7	116.45	5.669	
13,700.0	10,880.0	13,704.0	10,890.0	59.7	59.4	-90.95	-2,675.7	388.0	660.1	541.2	118.95	5.550	
13,800.0	10,880.0	13,804.0	10,890.0	61.0	60.6	-90.95	-2,775.7	388.7	660.1	538.7	121.48	5.434	
13,900.0	10,880.0	13,904.0	10,890.0	62.3	61.9	-90.95	-2,875.7	389.5	660.1	536.1	124.05	5.322	
14,000.0	10,880.0	14,004.0	10,890.0	63.6	63.2	-90.95	-2,975.7	390.3	660.1	533.5	126.65	5.212	
14,100.0	10,880.0	14,104.0	10,890.0	64.9	64.5	-90.95	-3,075.7	391.0	660.1	530.8	129.29	5.106	
14,200.0	10,880.0	14,204.0	10,890.0	66.2	65.9	-90.95	-3,175.7	391.8	660.1	528.2	131.96	5.003	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 #131H - 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	10,880.0	14,304.0	10,890.0	67.6	67.2	-90.95	-3,275.7	392.6	660.1	525.5	134.65	4.902	
14,400.0	10,880.0	14,404.0	10,890.0	69.0	68.6	-90.95	-3,375.7	393.4	660.1	522.8	137.37	4.805	
14,500.0	10,880.0	14,504.0	10,890.0	70.3	69.9	-90.95	-3,475.7	394.1	660.1	520.0	140.12	4.711	
14,600.0	10,880.0	14,604.0	10,890.0	71.7	71.3	-90.95	-3,575.7	394.9	660.1	517.2	142.89	4.620	
14,700.0	10,880.0	14,704.0	10,890.0	73.1	72.7	-90.95	-3,675.7	395.7	660.1	514.4	145.68	4.531	
14,800.0	10,880.0	14,804.0	10,890.0	74.5	74.1	-90.95	-3,775.7	396.4	660.1	511.6	148.50	4.445	
14,900.0	10,880.0	14,904.0	10,890.0	75.9	75.5	-90.95	-3,875.7	397.2	660.1	508.8	151.33	4.362	
15,000.0	10,880.0	15,004.0	10,890.0	77.4	77.0	-90.95	-3,975.7	398.0	660.1	505.9	154.18	4.281	
15,100.0	10,880.0	15,104.0	10,890.0	78.8	78.4	-90.95	-4,075.7	398.7	660.1	503.1	157.05	4.203	
15,200.0	10,880.0	15,204.0	10,890.0	80.3	79.8	-90.95	-4,175.7	399.5	660.1	500.2	159.94	4.127	
15,300.0	10,880.0	15,304.0	10,890.0	81.7	81.3	-90.95	-4,275.7	400.3	660.1	497.3	162.84	4.054	
15,400.0	10,880.0	15,404.0	10,890.0	83.2	82.7	-90.95	-4,375.7	401.0	660.1	494.4	165.76	3.982	
15,500.0	10,880.0	15,504.0	10,890.0	84.6	84.2	-90.95	-4,475.7	401.8	660.1	491.4	168.70	3.913	
15,600.0	10,880.0	15,604.0	10,890.0	86.1	85.7	-90.95	-4,575.7	402.6	660.1	488.5	171.64	3.846	
15,700.0	10,880.0	15,704.0	10,890.0	87.6	87.1	-90.95	-4,675.7	403.3	660.1	485.5	174.60	3.781	
15,800.0	10,880.0	15,804.0	10,890.0	89.1	88.6	-90.95	-4,775.7	404.1	660.1	482.5	177.57	3.717	
15,900.0	10,880.0	15,904.0	10,890.0	90.6	90.1	-90.95	-4,875.7	404.9	660.1	479.6	180.55	3.656	
16,000.0	10,880.0	16,004.0	10,890.0	92.1	91.6	-90.95	-4,975.7	405.6	660.1	476.6	183.55	3.596	
16,100.0	10,880.0	16,104.0	10,890.0	93.6	93.1	-90.95	-5,075.7	406.4	660.1	473.6	186.55	3.538	
16,200.0	10,880.0	16,204.0	10,890.0	95.1	94.6	-90.95	-5,175.7	407.2	660.1	470.5	189.57	3.482	
16,300.0	10,880.0	16,304.0	10,890.0	96.6	96.1	-90.95	-5,275.7	407.9	660.1	467.5	192.59	3.428	
16,400.0	10,880.0	16,404.0	10,890.0	98.1	97.6	-90.95	-5,375.7	408.7	660.1	464.5	195.62	3.374	
16,500.0	10,880.0	16,504.0	10,890.0	99.6	99.2	-90.95	-5,475.7	409.5	660.1	461.4	198.66	3.323	
16,600.0	10,880.0	16,604.0	10,890.0	101.1	100.7	-90.95	-5,575.7	410.2	660.1	458.4	201.71	3.272	
16,700.0	10,880.0	16,704.0	10,890.0	102.7	102.2	-90.95	-5,675.7	411.0	660.1	455.3	204.77	3.224	
16,800.0	10,880.0	16,804.0	10,890.0	104.2	103.8	-90.95	-5,775.6	411.8	660.1	452.3	207.84	3.176	
16,900.0	10,880.0	16,904.0	10,890.0	105.7	105.3	-90.95	-5,875.6	412.5	660.1	449.2	210.91	3.130	
17,000.0	10,880.0	17,004.0	10,890.0	107.3	106.8	-90.95	-5,975.6	413.3	660.1	446.1	213.99	3.085	
17,100.0	10,880.0	17,104.0	10,890.0	108.8	108.4	-90.95	-6,075.6	414.1	660.1	443.0	217.08	3.041	
17,200.0	10,880.0	17,204.0	10,890.0	110.4	109.9	-90.95	-6,175.6	414.8	660.1	439.9	220.17	2.998	
17,300.0	10,880.0	17,304.0	10,890.0	111.9	111.5	-90.95	-6,275.6	415.6	660.1	436.8	223.27	2.956	
17,400.0	10,880.0	17,404.0	10,890.0	113.5	113.0	-90.95	-6,375.6	416.4	660.1	433.7	226.37	2.916	
17,500.0	10,880.0	17,504.0	10,890.0	115.0	114.6	-90.95	-6,475.6	417.1	660.1	430.6	229.48	2.876	
17,600.0	10,880.0	17,604.0	10,890.0	116.6	116.1	-90.95	-6,575.6	417.9	660.1	427.5	232.60	2.838	
17,700.0	10,880.0	17,704.0	10,890.0	118.2	117.7	-90.95	-6,675.6	418.7	660.1	424.4	235.72	2.800	
17,800.0	10,880.0	17,804.0	10,890.0	119.7	119.2	-90.95	-6,775.6	419.4	660.1	421.2	238.84	2.764	
17,900.0	10,880.0	17,904.0	10,890.0	121.3	120.8	-90.95	-6,875.6	420.2	660.1	418.1	241.97	2.728	
18,000.0	10,880.0	18,004.0	10,890.0	122.8	122.4	-90.95	-6,975.6	421.0	660.1	415.0	245.11	2.693	
18,100.0	10,880.0	18,104.0	10,890.0	124.4	123.9	-90.95	-7,075.6	421.7	660.1	411.8	248.25	2.659	
18,200.0	10,880.0	18,204.0	10,890.0	126.0	125.5	-90.95	-7,175.6	422.5	660.1	408.7	251.39	2.626	
18,300.0	10,880.0	18,304.0	10,890.0	127.6	127.1	-90.95	-7,275.6	423.3	660.1	405.5	254.54	2.593	
18,400.0	10,880.0	18,404.0	10,890.0	129.1	128.7	-90.95	-7,375.6	424.0	660.1	402.4	257.69	2.561	
18,500.0	10,880.0	18,504.0	10,890.0	130.7	130.2	-90.95	-7,475.6	424.8	660.1	399.2	260.85	2.530	
18,600.0	10,880.0	18,604.0	10,890.0	132.3	131.8	-90.95	-7,575.6	425.6	660.1	396.1	264.01	2.500	
18,700.0	10,880.0	18,704.0	10,890.0	133.9	133.4	-90.95	-7,675.6	426.3	660.1	392.9	267.17	2.471	
18,800.0	10,880.0	18,804.0	10,890.0	135.5	135.0	-90.95	-7,775.6	427.1	660.1	389.7	270.34	2.442	
18,900.0	10,880.0	18,904.0	10,890.0	137.0	136.6	-90.95	-7,875.6	427.9	660.1	386.6	273.51	2.413	
19,000.0	10,880.0	19,004.0	10,890.0	138.6	138.2	-90.95	-7,975.6	428.6	660.1	383.4	276.68	2.386	
19,100.0	10,880.0	19,104.0	10,890.0	140.2	139.7	-90.95	-8,075.6	429.4	660.1	380.2	279.85	2.359	
19,200.0	10,880.0	19,204.0	10,890.0	141.8	141.3	-90.95	-8,175.6	430.2	660.1	377.0	283.03	2.332	
19,300.0	10,880.0	19,304.0	10,890.0	143.4	142.9	-90.95	-8,275.6	430.9	660.1	373.8	286.21	2.306	
19,400.0	10,880.0	19,404.0	10,890.0	145.0	144.5	-90.95	-8,375.6	431.7	660.1	370.7	289.40	2.281	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 #131H - 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	10,880.0	19,504.0	10,890.0	146.6	146.1	-90.95	-8,475.6	432.5	660.1	367.5	292.59	2.256	
19,600.0	10,880.0	19,604.0	10,890.0	148.2	147.7	-90.95	-8,575.6	433.2	660.1	364.3	295.78	2.232	
19,700.0	10,880.0	19,704.0	10,890.0	149.8	149.3	-90.95	-8,675.6	434.0	660.1	361.1	298.97	2.208	
19,800.0	10,880.0	19,804.0	10,890.0	151.4	150.9	-90.95	-8,775.6	434.8	660.1	357.9	302.16	2.184	
19,900.0	10,880.0	19,904.0	10,890.0	153.0	152.5	-90.95	-8,875.6	435.5	660.0	354.7	305.36	2.162	
20,000.0	10,880.0	20,004.0	10,890.0	154.6	154.1	-90.95	-8,975.6	436.3	660.0	351.5	308.56	2.139	
20,100.0	10,880.0	20,104.0	10,890.0	156.2	155.7	-90.95	-9,075.6	437.1	660.0	348.3	311.76	2.117	
20,200.0	10,880.0	20,204.0	10,890.0	157.8	157.3	-90.95	-9,175.5	437.8	660.0	345.1	314.96	2.096	
20,300.0	10,880.0	20,304.0	10,890.0	159.4	158.9	-90.95	-9,275.5	438.6	660.0	341.9	318.17	2.075	
20,400.0	10,880.0	20,404.0	10,890.0	161.0	160.5	-90.95	-9,375.5	439.4	660.0	338.7	321.38	2.054	
20,500.0	10,880.0	20,504.0	10,890.0	162.6	162.1	-90.95	-9,475.5	440.1	660.0	335.5	324.59	2.033	
20,600.0	10,880.0	20,604.0	10,890.0	164.2	163.7	-90.95	-9,575.5	440.9	660.0	332.2	327.80	2.014	
20,700.0	10,880.0	20,704.0	10,890.0	165.8	165.3	-90.95	-9,675.5	441.7	660.0	329.0	331.01	1.994	
20,800.0	10,880.0	20,804.0	10,890.0	167.4	166.9	-90.95	-9,775.5	442.4	660.0	325.8	334.23	1.975	
20,900.0	10,880.0	20,904.0	10,890.0	169.0	168.5	-90.95	-9,875.5	443.2	660.0	322.6	337.44	1.956	
21,000.0	10,880.0	21,004.0	10,890.0	170.6	170.1	-90.95	-9,975.5	444.0	660.0	319.4	340.66	1.937	
21,100.0	10,880.0	21,104.0	10,890.0	172.2	171.7	-90.95	-10,075.5	444.7	660.0	316.1	343.88	1.919	
21,182.4	10,880.0	21,186.4	10,890.0	173.4	173.1	-90.95	-10,157.9	445.4	660.0	313.6	346.38	1.905	SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	-102.50	-31.0	-139.8	143.2				
100.0	100.0	98.5	98.5	0.1	0.2	-102.56	-31.1	-139.6	143.0	142.7	0.28	510.701	
200.0	200.0	198.9	198.9	0.5	0.3	-102.74	-31.4	-139.0	142.5	141.7	0.79	179.848	
300.0	300.0	298.6	298.6	0.8	0.7	-102.94	-31.8	-138.4	142.0	140.5	1.51	93.779	
400.0	400.0	398.8	398.8	1.2	1.0	-103.10	-32.1	-137.9	141.5	139.3	2.23	63.429	
500.0	500.0	499.3	499.3	1.6	1.4	-103.27	-32.3	-137.0	140.8	137.8	2.95	47.729	
600.0	600.0	598.8	598.8	1.9	1.7	-103.41	-32.5	-136.2	140.0	136.4	3.66	38.231	
700.0	700.0	698.3	698.2	2.3	2.1	-103.44	-32.5	-135.8	139.7	135.3	4.37	31.931	
800.0	800.0	798.2	798.2	2.6	2.4	-103.42	-32.4	-135.7	139.5	134.4	5.09	27.428	
900.0	900.0	898.2	898.1	3.0	2.8	-103.39	-32.3	-135.6	139.3	133.6	5.80	24.044	
945.6	945.6	943.7	943.6	3.2	3.0	-103.39	-32.3	-135.5	139.3	133.2	6.12	22.780	
1,000.0	1,000.0	997.9	997.8	3.4	3.1	-103.42	-32.3	-135.6	139.4	132.9	6.50	21.446	
1,100.0	1,100.0	1,097.7	1,097.6	3.7	3.5	-57.25	-32.6	-135.7	139.1	131.9	7.20	19.332	
1,200.0	1,200.0	1,197.6	1,197.6	4.1	3.8	-58.13	-32.5	-136.0	138.0	130.1	7.89	17.493	
1,300.0	1,299.9	1,297.6	1,297.6	4.4	4.2	-59.53	-32.2	-136.4	136.0	127.4	8.58	15.841	
1,400.0	1,399.7	1,397.7	1,397.7	4.8	4.5	-61.53	-31.5	-136.6	133.0	123.8	9.28	14.333	
1,500.0	1,499.4	1,498.5	1,498.5	5.1	4.9	-64.19	-30.5	-136.7	129.1	119.1	9.99	12.921	
1,600.0	1,598.9	1,600.0	1,599.9	5.5	5.2	-67.42	-28.1	-135.9	123.6	112.8	10.71	11.536	
1,700.0	1,698.3	1,701.5	1,701.3	5.9	5.6	-71.13	-23.8	-134.1	116.1	104.7	11.43	10.158	
1,800.0	1,797.4	1,798.3	1,798.0	6.3	5.9	-75.46	-18.8	-133.1	108.9	96.7	12.16	8.959	
1,900.0	1,896.4	1,895.4	1,895.0	6.6	6.3	-80.17	-14.3	-134.5	104.5	91.6	12.89	8.108	
1,983.1	1,978.7	1,975.9	1,975.4	7.0	6.5	-84.74	-12.3	-136.5	103.2	89.7	13.49	7.654	CC
2,000.0	1,995.5	1,992.2	1,991.7	7.0	6.6	-85.80	-12.2	-136.9	103.3	89.7	13.61	7.589	
2,100.0	2,094.5	2,088.6	2,088.1	7.4	6.9	-92.83	-13.9	-139.3	106.1	91.8	14.32	7.408	
2,200.0	2,193.5	2,188.2	2,187.6	7.8	7.3	-100.00	-16.8	-141.7	111.6	96.5	15.06	7.410	
2,300.0	2,292.5	2,287.6	2,287.0	8.2	7.6	-106.34	-19.2	-144.0	118.0	102.2	15.79	7.475	
2,400.0	2,391.6	2,386.1	2,385.3	8.6	7.9	-112.10	-21.7	-146.0	125.9	109.3	16.51	7.623	
2,500.0	2,490.6	2,485.3	2,484.5	9.0	8.3	-117.47	-24.9	-147.4	135.2	118.0	17.23	7.846	
2,600.0	2,589.6	2,587.0	2,586.2	9.4	8.6	-122.71	-26.9	-147.4	144.2	126.2	17.97	8.025	
2,700.0	2,688.6	2,687.8	2,687.0	9.8	9.0	-127.75	-27.3	-145.9	152.5	133.8	18.69	8.158	
2,800.0	2,787.7	2,787.5	2,786.7	10.2	9.3	-131.96	-27.0	-145.0	161.1	141.7	19.40	8.300	
2,900.0	2,886.7	2,887.0	2,886.2	10.6	9.7	-135.41	-26.2	-145.1	169.9	149.8	20.12	8.447	
3,000.0	2,985.7	2,986.1	2,985.3	11.0	10.0	-138.48	-25.3	-145.3	179.3	158.5	20.83	8.609	
3,100.0	3,084.8	3,085.0	3,084.2	11.4	10.4	-141.24	-24.5	-145.4	189.1	167.6	21.53	8.784	
3,200.0	3,183.8	3,183.7	3,182.9	11.8	10.7	-143.75	-23.9	-145.4	199.6	177.3	22.24	8.975	
3,300.0	3,282.8	3,282.0	3,281.1	12.3	11.1	-146.06	-23.4	-145.2	210.6	187.7	22.94	9.183	
3,400.0	3,381.8	3,380.0	3,379.1	12.7	11.4	-148.24	-23.3	-144.4	222.4	198.8	23.64	9.411	
3,500.0	3,480.9	3,474.8	3,474.0	13.1	11.8	-150.27	-23.9	-142.9	235.5	211.2	24.30	9.690	
3,600.0	3,579.9	3,568.2	3,567.3	13.5	12.1	-152.18	-26.1	-140.3	250.8	225.9	24.94	10.055	
3,700.0	3,678.9	3,666.1	3,665.1	13.9	12.4	-153.92	-29.8	-137.3	267.8	242.1	25.63	10.446	
3,800.0	3,777.9	3,765.9	3,764.8	14.3	12.8	-155.10	-33.8	-136.1	284.5	258.1	26.35	10.797	
3,900.0	3,877.0	3,868.6	3,867.5	14.7	13.1	-156.05	-37.3	-135.8	300.4	273.3	27.10	11.088	
4,000.0	3,976.0	3,972.1	3,970.9	15.1	13.5	-157.21	-38.8	-134.7	314.9	287.1	27.84	11.313	
4,100.0	4,075.0	4,071.5	4,070.3	15.6	13.8	-158.36	-39.2	-133.3	328.8	300.2	28.55	11.515	
4,200.0	4,174.0	4,171.1	4,169.9	16.0	14.2	-159.40	-39.4	-132.0	342.5	313.2	29.26	11.703	
4,300.0	4,273.1	4,268.7	4,267.5	16.4	14.5	-160.32	-39.7	-130.8	356.4	326.4	29.96	11.895	
4,400.0	4,372.1	4,366.7	4,365.4	16.8	14.9	-161.15	-40.4	-129.7	370.7	340.0	30.67	12.088	
4,500.0	4,471.1	4,465.3	4,464.1	17.2	15.2	-161.86	-41.4	-128.9	385.2	353.8	31.37	12.278	
4,600.0	4,570.2	4,564.3	4,563.0	17.6	15.6	-162.45	-42.6	-128.4	399.8	367.7	32.08	12.460	
4,700.0	4,669.2	4,664.2	4,663.0	18.0	15.9	-163.00	-43.8	-128.1	414.2	381.4	32.80	12.627	
4,767.4	4,735.9	4,731.7	4,730.4	18.3	16.2	-163.35	-44.4	-127.9	423.8	390.5	33.29	12.732	
4,800.0	4,768.2	4,764.3	4,763.0	18.5	16.3	-163.53	-44.6	-127.8	428.3	394.8	33.52	12.776	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	4,867.5	4,864.7	4,863.5	18.9	16.6	-164.02	-45.2	-127.6	440.2	405.9	34.24	12.855	
5,000.0	4,967.1	4,964.7	4,963.5	19.2	17.0	-164.39	-45.4	-127.3	449.4	414.4	34.95	12.856	
5,100.0	5,066.9	5,064.2	5,062.9	19.6	17.3	-164.66	-45.7	-127.0	456.1	420.4	35.66	12.790	
5,200.0	5,166.8	5,165.5	5,164.3	20.0	17.7	-164.83	-45.9	-126.6	460.3	423.9	36.37	12.653	
5,300.7	5,267.5	5,269.0	5,267.7	20.3	18.0	148.58	-45.8	-126.8	461.4	424.3	37.10	12.437	
5,400.0	5,366.8	5,368.6	5,367.4	20.6	18.4	148.62	-45.4	-127.3	460.8	423.0	37.78	12.196	
5,500.0	5,466.8	5,468.3	5,467.0	20.9	18.7	148.65	-45.1	-127.8	460.3	421.8	38.47	11.964	
5,600.0	5,566.8	5,569.1	5,567.8	21.3	19.1	148.66	-44.7	-128.2	459.7	420.6	39.17	11.737	
5,700.0	5,666.8	5,670.2	5,668.9	21.6	19.4	148.62	-43.9	-128.3	458.9	419.1	39.87	11.512	
5,800.0	5,766.8	5,771.8	5,770.5	21.9	19.8	148.58	-42.8	-128.6	457.9	417.3	40.57	11.286	
5,900.0	5,866.8	5,876.0	5,874.7	22.3	20.1	148.60	-41.5	-129.5	456.4	415.1	41.29	11.054	
6,000.0	5,966.8	5,996.0	5,994.6	22.6	20.6	148.57	-37.0	-132.1	452.0	410.0	42.05	10.751	
6,100.0	6,066.8	6,102.6	6,100.8	22.9	20.9	148.47	-29.3	-135.8	444.1	401.3	42.74	10.389	
6,200.0	6,166.8	6,199.2	6,197.2	23.3	21.3	148.42	-22.7	-139.4	436.3	392.9	43.43	10.045	
6,300.0	6,266.8	6,301.8	6,299.4	23.6	21.6	148.36	-16.0	-143.1	428.8	384.7	44.13	9.718	
6,400.0	6,366.8	6,407.8	6,405.0	23.9	22.0	148.00	-6.6	-145.7	420.0	375.2	44.81	9.373	
6,500.0	6,466.8	6,503.3	6,500.1	24.3	22.3	147.46	3.0	-147.2	410.7	365.2	45.51	9.025	
6,600.0	6,566.8	6,597.1	6,593.4	24.6	22.7	146.94	11.2	-148.1	402.8	356.6	46.20	8.719	
6,700.0	6,666.8	6,707.7	6,703.6	24.9	23.1	146.33	21.0	-149.5	394.8	347.9	46.88	8.421	
6,800.0	6,766.8	6,821.5	6,816.5	25.3	23.5	145.70	34.4	-153.3	383.1	335.6	47.50	8.066	
6,900.0	6,866.8	6,912.0	6,906.4	25.6	23.8	145.19	45.0	-156.7	371.3	323.0	48.24	7.696	
7,000.0	6,966.8	7,006.7	7,000.5	26.0	24.1	144.66	55.1	-159.6	360.8	311.8	48.96	7.369	
7,100.0	7,066.8	7,103.4	7,096.7	26.3	24.5	144.13	64.5	-162.3	351.3	301.6	49.66	7.073	
7,200.0	7,166.8	7,200.5	7,193.4	26.6	24.8	143.60	73.2	-164.7	342.6	292.2	50.37	6.801	
7,300.0	7,266.8	7,298.3	7,290.8	27.0	25.2	143.10	81.2	-167.0	334.5	283.4	51.07	6.550	
7,400.0	7,366.8	7,397.1	7,389.2	27.3	25.5	142.63	88.8	-169.4	327.0	275.2	51.77	6.316	
7,500.0	7,466.8	7,497.8	7,489.6	27.7	25.9	142.12	96.6	-171.8	319.3	266.9	52.47	6.086	
7,600.0	7,566.8	7,600.0	7,591.5	28.0	26.3	141.55	105.0	-174.4	311.3	258.2	53.16	5.856	
7,700.0	7,666.8	7,704.4	7,695.4	28.3	26.6	140.96	114.6	-178.1	302.0	248.1	53.84	5.608	
7,800.0	7,766.8	7,805.5	7,795.9	28.7	27.0	140.38	124.8	-182.5	291.4	236.8	54.53	5.343	
7,900.0	7,866.8	7,904.6	7,894.3	29.0	27.4	139.75	134.8	-186.9	280.8	225.5	55.24	5.083	
8,000.0	7,966.8	8,003.7	7,992.9	29.4	27.7	139.04	144.9	-191.0	270.3	214.4	55.94	4.832	
8,100.0	8,066.8	8,102.9	8,091.5	29.7	28.1	138.24	155.0	-195.0	260.0	203.4	56.65	4.590	
8,200.0	8,166.8	8,199.5	8,187.5	30.1	28.4	137.44	164.4	-198.7	250.2	192.8	57.37	4.361	
8,300.0	8,266.8	8,295.5	8,283.1	30.4	28.8	136.86	171.9	-202.4	241.9	183.8	58.10	4.163	
8,400.0	8,366.8	8,396.8	8,384.1	30.7	29.2	136.27	179.3	-206.0	234.2	175.4	58.80	3.983	
8,500.0	8,466.8	8,499.1	8,486.0	31.1	29.5	135.20	188.7	-209.2	225.4	165.9	59.49	3.788	
8,600.0	8,566.8	8,598.5	8,584.7	31.4	29.9	133.94	198.7	-212.4	216.0	155.8	60.20	3.588	
8,700.0	8,666.8	8,697.8	8,683.5	31.8	30.3	132.83	207.9	-216.2	206.9	146.0	60.91	3.397	
8,800.0	8,766.8	8,798.8	8,784.0	32.1	30.6	131.69	217.2	-220.5	197.5	135.9	61.61	3.205	
8,900.0	8,866.8	8,899.7	8,884.3	32.5	31.0	130.32	227.3	-225.2	187.4	125.1	62.30	3.008	
9,000.0	8,966.8	8,998.4	8,982.4	32.8	31.4	128.75	237.5	-229.7	177.3	114.3	63.03	2.813	
9,100.0	9,066.8	9,098.2	9,081.6	33.2	31.8	126.88	247.9	-233.9	167.5	103.8	63.75	2.628	
9,200.0	9,166.8	9,200.0	9,182.5	33.5	32.1	124.06	260.6	-238.1	156.9	92.4	64.44	2.434	
9,300.0	9,266.8	9,299.3	9,280.5	33.9	32.5	120.03	275.6	-242.1	145.4	80.2	65.21	2.230	
9,400.0	9,366.8	9,395.9	9,376.2	34.2	32.9	116.06	288.5	-245.7	135.8	69.8	66.04	2.057	
9,500.0	9,466.8	9,493.0	9,472.7	34.6	33.3	112.55	298.7	-248.8	128.5	61.7	66.84	1.923	
9,600.0	9,566.8	9,590.2	9,569.4	34.9	33.6	108.90	307.9	-250.4	123.6	56.0	67.62	1.827	
9,700.0	9,666.8	9,689.0	9,667.9	35.2	34.0	105.09	316.5	-250.7	120.7	52.3	68.40	1.765	
9,800.0	9,766.8	9,789.8	9,768.5	35.6	34.4	101.76	323.9	-251.9	117.9	48.7	69.18	1.705	
9,900.0	9,866.8	9,890.0	9,868.4	35.9	34.7	99.05	329.9	-254.1	114.7	44.7	69.95	1.639	
10,000.0	9,966.8	9,989.7	9,968.0	36.3	35.1	96.69	334.9	-256.4	111.6	40.9	70.70	1.579	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,100.0	10,066.8	10,089.1	10,067.3	36.6	35.4	94.69	339.0	-258.7	109.0	37.6	71.45	1.526	
10,200.0	10,166.8	10,188.4	10,166.5	37.0	35.8	93.11	342.1	-260.4	107.1	34.9	72.18	1.483	Level 3
10,279.8	10,246.6	10,266.5	10,244.6	37.3	36.1	92.37	343.5	-261.1	106.3	33.6	72.73	1.461	Level 3
10,300.0	10,266.8	10,286.2	10,264.2	37.3	36.1	92.34	343.6	-261.0	106.3	33.5	72.87	1.460	Level 3
10,340.2	10,307.0	10,325.8	10,303.9	37.5	36.3	92.47	343.3	-260.7	106.7	33.6	73.13	1.459	Level 3
10,350.0	10,316.8	10,335.6	10,313.7	37.5	36.3	-81.32	343.2	-260.6	106.8	33.6	73.19	1.459	Level 3
10,400.0	10,366.7	10,385.5	10,363.5	37.7	36.5	-82.59	342.6	-260.1	106.9	33.4	73.54	1.454	Level 3
10,450.0	10,416.1	10,435.1	10,413.2	37.8	36.6	-86.09	341.8	-259.5	106.7	32.8	73.92	1.443	Level 3
10,469.5	10,435.2	10,454.4	10,432.4	37.9	36.7	-88.05	341.5	-259.4	106.6	32.6	74.08	1.440	Level 3
10,500.0	10,464.7	10,484.1	10,462.2	37.9	36.8	-91.72	340.9	-259.1	106.8	32.5	74.33	1.437	Level 3, ES, SF
10,550.0	10,512.1	10,532.1	10,510.1	38.1	37.0	-99.10	340.0	-258.8	108.6	33.8	74.73	1.453	Level 3
10,600.0	10,558.0	10,578.7	10,556.7	38.2	37.1	-107.51	339.0	-258.6	113.4	38.3	75.11	1.510	
10,650.0	10,601.9	10,623.2	10,601.2	38.3	37.3	-115.98	338.0	-258.4	122.8	47.4	75.41	1.629	
10,700.0	10,643.6	10,665.4	10,643.3	38.3	37.4	-123.66	337.2	-258.4	137.9	62.3	75.63	1.823	
10,750.0	10,682.7	10,704.9	10,682.8	38.4	37.5	-130.04	336.5	-258.4	158.8	83.0	75.80	2.095	
10,800.0	10,719.0	10,741.5	10,719.5	38.5	37.7	-134.98	336.0	-258.4	185.2	109.2	75.92	2.439	
10,850.0	10,752.1	10,775.6	10,753.6	38.5	37.8	-138.61	335.5	-258.6	216.3	140.3	76.02	2.845	
10,900.0	10,781.9	10,806.3	10,784.2	38.6	37.9	-140.93	335.0	-258.8	251.5	175.4	76.11	3.305	
10,950.0	10,808.0	10,833.3	10,811.3	38.6	38.0	-141.98	334.6	-259.2	290.2	214.0	76.18	3.810	
11,000.0	10,830.3	10,882.1	10,860.0	38.6	38.1	-146.01	332.3	-259.7	331.3	255.4	75.93	4.363	
11,050.0	10,848.7	10,964.1	10,940.6	38.6	38.4	-152.62	317.5	-259.3	371.8	297.6	74.18	5.011	
11,100.0	10,862.9	11,070.3	11,039.3	38.7	38.6	-157.80	279.6	-253.6	410.2	340.2	69.99	5.860	
11,150.0	10,872.9	11,334.3	11,234.7	38.7	39.1	-166.69	106.8	-247.0	440.7	390.3	50.34	8.755	
11,200.0	10,878.5	11,475.7	11,297.8	38.8	39.4	-169.09	-19.2	-243.8	456.3	414.6	41.69	10.945	
11,240.2	10,880.0	11,520.5	11,312.8	38.9	39.5	-169.30	-61.4	-240.2	468.1	426.9	41.17	11.370	
11,300.0	10,880.0	11,574.2	11,330.9	39.0	39.6	-170.20	-111.8	-235.9	487.8	446.5	41.33	11.803	
11,400.0	10,880.0	11,891.0	11,378.6	39.3	40.5	-173.12	-420.7	-230.0	506.1	470.1	35.95	14.079	
11,500.0	10,880.0	11,963.2	11,375.5	39.7	40.8	-173.72	-492.8	-234.1	500.7	465.1	35.54	14.087	
11,528.2	10,880.0	11,987.1	11,375.1	39.8	40.9	-173.87	-516.6	-235.2	500.1	464.5	35.58	14.055	
11,579.3	10,880.0	12,030.3	11,375.0	40.0	41.0	-174.10	-559.8	-237.0	499.7	464.0	35.70	13.996	
11,600.0	10,880.0	12,047.8	11,375.1	40.1	41.1	-174.18	-577.3	-237.5	499.7	464.0	35.76	13.974	
11,700.0	10,880.0	12,119.4	11,377.8	40.6	41.5	-174.49	-648.8	-239.4	503.2	467.0	36.22	13.893	
11,800.0	10,880.0	12,203.3	11,385.0	41.1	41.9	-174.83	-732.4	-241.1	511.4	474.5	36.91	13.858	
11,900.0	10,880.0	12,290.5	11,394.5	41.7	42.4	-175.25	-819.0	-243.4	522.0	484.3	37.65	13.864	
12,000.0	10,880.0	12,436.8	11,407.1	42.4	43.3	-175.66	-964.6	-245.1	530.9	492.7	38.15	13.915	
12,100.0	10,880.0	12,535.1	11,409.3	43.1	44.0	-175.43	-1,062.9	-242.0	533.3	494.3	39.05	13.657	
12,200.0	10,880.0	12,611.9	11,413.5	43.8	44.6	-175.10	-1,139.5	-238.0	539.1	499.1	39.96	13.491	
12,300.0	10,880.0	12,755.4	11,415.7	44.7	45.7	-174.47	-1,282.7	-230.7	540.2	498.8	41.45	13.034	
12,345.9	10,880.0	12,799.4	11,415.4	45.0	46.1	-174.26	-1,326.6	-228.5	540.1	498.2	41.93	12.881	
12,400.0	10,880.0	12,847.2	11,415.4	45.5	46.5	-174.03	-1,374.4	-225.9	540.4	498.0	42.46	12.728	
12,500.0	10,880.0	12,934.8	11,416.9	46.4	47.3	-173.56	-1,461.7	-220.6	542.7	499.2	43.50	12.476	
12,600.0	10,880.0	13,044.2	11,420.2	47.3	48.3	-172.93	-1,570.9	-213.3	546.5	501.5	44.92	12.165	
12,700.0	10,880.0	13,153.6	11,420.0	48.3	49.3	-172.54	-1,680.2	-208.8	546.6	500.3	46.33	11.798	
12,800.0	10,880.0	13,248.7	11,420.4	49.3	50.3	-172.56	-1,775.2	-208.2	547.0	499.7	47.36	11.551	
12,900.0	10,880.0	13,332.4	11,422.4	50.4	51.1	-172.74	-1,858.9	-209.0	549.2	501.0	48.19	11.398	
13,000.0	10,880.0	13,449.0	11,426.6	51.5	52.3	-172.98	-1,975.4	-209.9	552.8	503.3	49.50	11.167	
13,100.0	10,880.0	13,548.1	11,427.5	52.6	53.4	-173.06	-2,074.5	-209.8	553.6	502.9	50.65	10.930	
13,200.0	10,880.0	13,651.9	11,428.2	53.7	54.6	-173.02	-2,178.3	-208.6	554.3	502.4	51.95	10.670	
13,300.0	10,880.0	13,751.6	11,428.2	54.9	55.7	-172.85	-2,278.0	-206.1	554.6	501.3	53.27	10.411	
13,400.0	10,880.0	13,842.2	11,429.0	56.0	56.8	-172.59	-2,368.5	-202.8	555.8	501.4	54.47	10.204	
13,500.0	10,880.0	13,937.1	11,431.6	57.3	57.9	-172.61	-2,463.4	-201.9	558.6	502.9	55.66	10.036	
13,600.0	10,880.0	14,049.0	11,434.0	58.5	59.3	-172.85	-2,575.3	-203.1	560.5	503.4	57.05	9.824	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
13,700.0	10,880.0	14,153.8	11,434.6	59.7	60.5	-173.09	-2,680.0	-204.6	560.7	502.3	58.34	9.610	
13,800.0	10,880.0	14,257.5	11,434.7	61.0	61.8	-173.16	-2,783.8	-204.5	560.7	501.0	59.70	9.392	
13,900.0	10,880.0	14,359.0	11,433.6	62.3	63.1	-173.24	-2,885.2	-204.6	559.6	498.5	61.04	9.168	
14,000.0	10,880.0	14,456.4	11,433.0	63.6	64.4	-173.13	-2,982.6	-202.8	559.0	496.7	62.38	8.962	
14,094.8	10,880.0	14,548.9	11,432.4	64.8	65.6	-172.89	-3,075.1	-199.8	558.8	495.0	63.75	8.766	
14,100.0	10,880.0	14,553.9	11,432.4	64.9	65.7	-172.87	-3,080.1	-199.6	558.8	495.0	63.82	8.755	
14,200.0	10,880.0	14,664.5	11,431.6	66.2	67.1	-172.64	-3,190.6	-196.6	558.3	492.8	65.55	8.518	
14,300.0	10,880.0	14,754.3	11,430.5	67.6	68.3	-172.74	-3,280.4	-197.1	557.0	490.4	66.66	8.357	
14,300.8	10,880.0	14,754.9	11,430.5	67.6	68.3	-172.74	-3,281.0	-197.1	557.0	490.3	66.66	8.356	
14,400.0	10,880.0	14,846.7	11,431.3	69.0	69.6	-172.71	-3,372.8	-196.0	557.9	489.9	67.91	8.215	
14,500.0	10,880.0	14,958.5	11,431.8	70.3	71.1	-172.61	-3,484.6	-194.0	558.5	488.9	69.63	8.022	
14,560.0	10,880.0	15,014.1	11,431.5	71.2	71.8	-172.56	-3,540.2	-193.2	558.2	487.8	70.41	7.928	
14,600.0	10,880.0	15,050.1	11,431.5	71.7	72.3	-172.50	-3,576.1	-192.3	558.3	487.4	70.92	7.873	
14,700.0	10,880.0	15,169.9	11,430.5	73.1	74.0	-172.41	-3,695.9	-190.6	557.6	484.8	72.84	7.656	
14,800.0	10,880.0	15,253.0	11,429.8	74.5	75.2	-172.38	-3,779.0	-189.8	556.8	482.9	73.91	7.533	
14,826.6	10,880.0	15,285.2	11,429.7	74.9	75.6	-172.35	-3,811.1	-189.3	556.7	482.3	74.43	7.479	
14,900.0	10,880.0	15,365.6	11,428.1	75.9	76.7	-172.27	-3,891.5	-188.1	555.3	479.6	75.70	7.336	
14,973.8	10,880.0	15,428.0	11,427.4	77.0	77.6	-172.18	-3,954.0	-186.8	554.5	478.0	76.57	7.242	
15,000.0	10,880.0	15,453.2	11,427.4	77.4	78.0	-172.14	-3,979.1	-186.2	554.6	477.7	76.95	7.207	
15,100.0	10,880.0	15,563.7	11,426.9	78.8	79.5	-172.48	-4,089.6	-188.8	553.7	475.3	78.42	7.061	
15,200.0	10,880.0	15,666.8	11,425.5	80.3	81.0	-173.10	-4,192.5	-194.2	551.6	472.1	79.57	6.933	
15,300.0	10,880.0	15,767.5	11,424.0	81.7	82.4	-173.71	-4,293.1	-199.5	549.5	468.8	80.69	6.810	
15,400.0	10,880.0	15,865.0	11,422.3	83.2	83.8	-174.29	-4,390.4	-204.5	547.1	465.4	81.76	6.691	
15,500.0	10,880.0	15,966.4	11,420.9	84.6	85.3	-174.40	-4,491.8	-204.9	545.6	462.4	83.20	6.558	
15,600.0	10,880.0	16,063.0	11,418.7	86.1	86.7	-174.44	-4,588.4	-204.8	543.3	458.8	84.56	6.425	
15,700.0	10,880.0	16,157.8	11,418.1	87.6	88.1	-174.51	-4,683.2	-204.7	542.6	456.7	85.88	6.318	
15,800.0	10,880.0	16,259.8	11,417.6	89.1	89.6	-174.67	-4,785.2	-205.6	541.9	454.6	87.31	6.207	
15,900.0	10,880.0	16,356.5	11,417.0	90.6	91.0	-174.93	-4,881.8	-207.3	541.2	452.6	88.57	6.110	
16,000.0	10,880.0	16,456.0	11,417.1	92.1	92.5	-175.13	-4,981.3	-208.5	541.1	451.2	89.93	6.017	
16,044.2	10,880.0	16,499.2	11,417.0	92.7	93.1	-175.09	-5,024.5	-207.7	541.0	450.5	90.59	5.973	
16,100.0	10,880.0	16,551.5	11,417.1	93.6	93.9	-174.99	-5,076.8	-206.4	541.2	449.8	91.38	5.923	
16,200.0	10,880.0	16,647.1	11,418.0	95.1	95.3	-174.74	-5,172.3	-203.2	542.3	449.4	92.89	5.838	
16,300.0	10,880.0	16,748.4	11,419.2	96.6	96.9	-174.47	-5,273.6	-199.7	543.8	449.2	94.57	5.750	
16,400.0	10,880.0	16,838.0	11,420.7	98.1	98.2	-174.15	-5,363.1	-195.8	545.8	449.8	96.00	5.686	
16,500.0	10,880.0	16,962.5	11,421.5	99.6	100.1	-173.87	-5,487.5	-192.1	546.7	448.4	98.27	5.563	
16,539.3	10,880.0	16,994.6	11,421.3	100.2	100.6	-173.86	-5,519.6	-191.8	546.5	447.8	98.70	5.536	
16,600.0	10,880.0	17,044.6	11,421.8	101.1	101.4	-173.83	-5,569.6	-191.1	547.1	447.7	99.37	5.505	
16,700.0	10,880.0	17,168.0	11,421.9	102.7	103.2	-173.69	-5,693.0	-188.8	547.4	445.9	101.53	5.392	
16,800.0	10,880.0	17,276.3	11,417.0	104.2	104.9	-173.70	-5,801.2	-188.5	542.7	439.5	103.22	5.258	
16,900.0	10,880.0	17,360.1	11,415.3	105.7	106.2	-173.64	-5,884.9	-187.6	540.7	436.3	104.40	5.179	
17,000.0	10,880.0	17,458.1	11,414.8	107.3	107.7	-173.57	-5,982.9	-186.2	540.3	434.3	105.93	5.100	
17,100.0	10,880.0	17,579.4	11,412.7	108.8	109.5	-173.62	-6,104.1	-186.0	538.6	430.7	107.89	4.992	
17,200.0	10,880.0	17,676.6	11,408.0	110.4	111.0	-173.78	-6,201.3	-187.3	533.6	424.3	109.23	4.885	
17,300.0	10,880.0	17,761.7	11,405.9	111.9	112.3	-173.90	-6,286.3	-188.0	531.0	420.6	110.34	4.812	
17,400.0	10,880.0	17,872.7	11,404.7	113.5	114.0	-173.99	-6,397.3	-188.1	529.9	417.8	112.05	4.729	
17,500.0	10,880.0	17,969.1	11,401.5	115.0	115.5	-174.07	-6,493.6	-188.3	526.5	413.0	113.44	4.641	
17,600.0	10,880.0	18,062.2	11,399.9	116.6	117.0	-174.13	-6,586.8	-188.4	524.7	409.9	114.76	4.572	
17,700.0	10,880.0	18,186.2	11,396.3	118.2	118.9	-174.39	-6,710.7	-190.1	521.7	405.1	116.62	4.474	
17,800.0	10,880.0	18,282.9	11,391.5	119.7	120.4	-174.64	-6,807.2	-192.2	516.4	398.5	117.90	4.380	
17,900.0	10,880.0	18,376.6	11,387.1	121.3	121.8	-174.81	-6,900.8	-193.4	511.6	392.4	119.18	4.292	
17,988.0	10,880.0	18,444.2	11,385.7	122.7	122.9	-174.80	-6,968.3	-192.9	509.8	389.7	120.07	4.246	
18,000.0	10,880.0	18,453.4	11,385.7	122.8	123.0	-174.78	-6,977.5	-192.7	509.8	389.7	120.19	4.242	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
18,100.0	10,880.0	18,562.1	11,385.4	124.4	124.7	-174.51	-7,086.3	-189.4	509.8	387.6	122.13	4.174	
18,200.0	10,880.0	18,664.6	11,383.1	126.0	126.3	-174.11	-7,188.6	-185.3	507.9	383.8	124.02	4.095	
18,238.9	10,880.0	18,695.2	11,382.7	126.6	126.8	-173.95	-7,219.2	-183.6	507.5	383.0	124.54	4.075	
18,300.0	10,880.0	18,744.2	11,383.0	127.6	127.6	-173.65	-7,268.1	-180.6	508.3	382.9	125.39	4.054	
18,400.0	10,880.0	18,849.2	11,384.7	129.1	129.2	-173.16	-7,372.9	-175.2	510.4	382.9	127.49	4.003	
18,500.0	10,880.0	18,962.6	11,383.9	130.7	131.0	-172.74	-7,486.2	-170.7	510.0	380.2	129.79	3.929	
18,600.0	10,880.0	19,062.9	11,382.3	132.3	132.6	-172.25	-7,586.4	-165.7	509.0	377.1	131.84	3.860	
18,700.0	10,880.0	19,168.1	11,380.3	133.9	134.3	-172.06	-7,691.5	-163.5	507.3	373.6	133.72	3.794	
18,800.0	10,880.0	19,266.4	11,377.7	135.5	135.8	-171.86	-7,789.8	-161.3	504.9	369.4	135.46	3.727	
18,900.0	10,880.0	19,360.4	11,376.1	137.0	137.3	-171.53	-7,883.7	-157.9	503.6	366.3	137.25	3.669	
18,960.3	10,880.0	19,417.1	11,375.5	138.0	138.2	-171.28	-7,940.3	-155.3	503.4	365.0	138.40	3.637	
19,000.0	10,880.0	19,454.0	11,375.3	138.6	138.8	-171.05	-7,977.2	-153.1	503.5	364.3	139.22	3.616	
19,100.0	10,880.0	19,554.9	11,375.3	140.2	140.4	-170.44	-8,077.9	-146.8	504.3	362.7	141.59	3.562	
19,200.0	10,880.0	19,661.0	11,375.2	141.8	142.1	-170.54	-8,183.9	-146.9	504.1	360.9	143.21	3.520	
19,300.0	10,880.0	19,764.4	11,374.3	143.4	143.7	-170.74	-8,287.4	-148.0	502.9	358.3	144.63	3.477	
19,400.0	10,880.0	19,862.9	11,373.2	145.0	145.3	-170.87	-8,385.8	-148.7	501.6	355.6	146.01	3.435	
19,500.0	10,880.0	19,967.2	11,371.6	146.6	146.9	-170.86	-8,490.1	-148.0	500.0	352.3	147.72	3.385	
19,600.0	10,880.0	20,065.7	11,370.0	148.2	148.5	-170.97	-8,588.6	-148.5	498.2	349.1	149.12	3.341	
19,700.0	10,880.0	20,170.6	11,368.0	149.8	150.1	-171.35	-8,693.5	-151.4	495.8	345.4	150.34	3.298	
19,800.0	10,880.0	20,262.2	11,366.8	151.4	151.6	-171.74	-8,785.0	-154.2	494.0	342.7	151.24	3.266	
19,900.0	10,880.0	20,362.0	11,366.6	153.0	153.2	-172.11	-8,884.7	-156.7	493.3	340.9	152.38	3.237	
20,000.0	10,880.0	20,466.0	11,364.7	154.6	154.8	-172.40	-8,988.7	-158.6	491.1	337.4	153.71	3.195	
20,044.4	10,880.0	20,501.8	11,364.5	155.3	155.4	-172.47	-9,024.5	-159.0	490.7	336.6	154.12	3.184	
20,100.0	10,880.0	20,549.4	11,365.0	156.2	156.1	-172.51	-9,072.2	-159.0	491.3	336.6	154.70	3.176	
20,200.0	10,880.0	20,652.3	11,366.9	157.8	157.8	-172.45	-9,175.0	-157.4	493.2	336.7	156.44	3.152	
20,300.0	10,880.0	20,766.8	11,365.1	159.4	159.6	-172.17	-9,289.4	-154.3	491.8	333.0	158.73	3.098	
20,400.0	10,880.0	20,862.4	11,363.5	161.0	161.1	-171.87	-9,385.0	-151.2	490.4	329.8	160.59	3.054	
20,500.0	10,880.0	20,960.5	11,362.4	162.6	162.7	-171.66	-9,483.0	-148.7	489.6	327.2	162.40	3.015	
20,554.5	10,880.0	21,013.8	11,362.0	163.5	163.6	-171.53	-9,536.3	-147.3	489.3	325.9	163.40	2.995	
20,600.0	10,880.0	21,049.2	11,362.2	164.2	164.1	-171.42	-9,571.7	-146.1	489.7	325.7	163.98	2.986	
20,700.0	10,880.0	21,144.4	11,364.6	165.8	165.7	-171.00	-9,666.8	-141.3	492.9	326.8	166.00	2.969	
20,800.0	10,880.0	21,249.1	11,365.7	167.4	167.4	-170.60	-9,771.3	-136.8	494.4	326.1	168.34	2.937	
20,900.0	10,880.0	21,347.9	11,367.0	169.0	169.0	-170.11	-9,870.0	-131.6	496.5	325.9	170.66	2.909	
21,000.0	10,880.0	21,435.3	11,368.5	170.6	170.4	-169.56	-9,957.1	-125.7	499.3	326.5	172.72	2.891	
21,100.0	10,880.0	21,504.0	11,371.1	172.2	171.5	-169.03	-10,025.6	-120.0	505.2	331.4	173.78	2.907	
21,182.4	10,880.0	21,504.0	11,371.1	173.4	171.5	-169.03	-10,025.6	-120.0	520.5	351.1	169.48	3.071	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	0.0	0.0	0.0	0.0	-90.41	-0.8	-110.0	110.0				
100.0	100.0	100.1	100.1	0.1	0.1	-90.39	-0.7	-110.0	110.0	109.7	0.28	396.875	
200.0	200.0	200.1	200.1	0.5	0.4	-90.33	-0.6	-109.9	109.9	109.0	0.85	129.362	
300.0	300.0	300.1	300.1	0.8	0.7	-90.32	-0.6	-109.8	109.8	108.2	1.56	70.408	
400.0	400.0	400.1	400.1	1.2	1.1	-90.36	-0.7	-109.7	109.7	107.4	2.27	48.384	
442.5	442.5	442.5	442.5	1.4	1.2	-90.36	-0.7	-109.7	109.7	107.1	2.57	42.724	
500.0	500.0	499.9	499.9	1.6	1.4	-90.33	-0.6	-109.7	109.7	106.7	2.97	36.901	
600.0	600.0	599.4	599.4	1.9	1.8	-90.21	-0.4	-110.0	110.0	106.3	3.68	29.901	
700.0	700.0	699.0	699.0	2.3	2.1	-89.98	0.0	-110.7	110.7	106.3	4.38	25.254	
800.0	800.0	798.6	798.6	2.6	2.5	-89.70	0.6	-111.8	111.8	106.7	5.09	21.951	
900.0	900.0	898.4	898.3	3.0	2.8	-89.37	1.2	-113.1	113.1	107.3	5.80	19.501	
1,000.0	1,000.0	998.2	998.1	3.4	3.2	-89.13	1.7	-114.7	114.7	108.2	6.51	17.610	
1,100.0	1,100.0	1,098.0	1,098.0	3.7	3.5	-42.70	2.1	-116.4	115.8	108.5	7.22	16.027	
1,200.0	1,200.0	1,198.0	1,197.9	4.1	3.9	-43.35	2.6	-118.1	115.6	107.7	7.93	14.576	
1,300.0	1,299.9	1,297.9	1,297.8	4.4	4.2	-44.48	3.3	-119.9	114.2	105.6	8.64	13.221	
1,400.0	1,399.7	1,397.6	1,397.5	4.8	4.6	-46.11	4.4	-121.8	111.8	102.5	9.35	11.957	
1,500.0	1,499.4	1,498.0	1,497.9	5.1	4.9	-48.46	5.7	-123.6	108.2	98.1	10.07	10.747	
1,600.0	1,598.9	1,598.3	1,598.2	5.5	5.3	-52.01	6.5	-124.7	103.1	92.3	10.79	9.554	
1,700.0	1,698.3	1,698.3	1,698.2	5.9	5.7	-57.02	7.0	-125.2	96.8	85.3	11.51	8.412	
1,800.0	1,797.4	1,797.1	1,796.9	6.3	6.0	-63.66	7.3	-125.6	90.6	78.4	12.24	7.403	
1,900.0	1,896.4	1,895.8	1,895.6	6.6	6.4	-71.38	7.8	-126.6	86.0	73.0	12.98	6.626	
2,000.0	1,995.5	1,994.9	1,994.7	7.0	6.7	-79.72	8.2	-128.0	83.4	69.7	13.73	6.075	
2,081.2	2,075.8	2,075.3	2,075.2	7.3	7.0	-86.77	8.5	-129.0	82.7	68.4	14.34	5.769	CC
2,100.0	2,094.5	2,094.0	2,093.8	7.4	7.1	-88.42	8.5	-129.3	82.8	68.3	14.48	5.715	ES
2,200.0	2,193.5	2,192.8	2,192.6	7.8	7.4	-97.07	8.6	-130.8	84.4	69.1	15.23	5.541	
2,300.0	2,292.5	2,291.7	2,291.5	8.2	7.8	-105.22	8.3	-132.4	88.3	72.3	15.97	5.527	
2,400.0	2,391.6	2,390.8	2,390.6	8.6	8.1	-112.11	8.1	-134.9	93.9	77.2	16.71	5.622	
2,500.0	2,490.6	2,490.3	2,490.0	9.0	8.5	-117.64	8.3	-138.2	100.7	83.2	17.44	5.773	
2,600.0	2,589.6	2,589.7	2,589.4	9.4	8.8	-123.04	8.5	-140.3	108.1	89.9	18.17	5.951	
2,700.0	2,688.6	2,688.7	2,688.4	9.8	9.2	-128.49	8.4	-140.9	116.4	97.6	18.88	6.168	
2,800.0	2,787.7	2,787.1	2,786.8	10.2	9.5	-133.51	8.0	-140.7	126.1	106.5	19.57	6.443	
2,900.0	2,886.7	2,885.8	2,885.4	10.6	9.9	-138.00	7.2	-140.0	137.0	116.7	20.25	6.763	
3,000.0	2,985.7	2,984.8	2,984.5	11.0	10.2	-141.82	6.4	-139.3	148.5	127.6	20.94	7.094	
3,100.0	3,084.8	3,083.4	3,083.0	11.4	10.5	-145.00	5.6	-138.8	160.6	139.0	21.62	7.429	
3,200.0	3,183.8	3,181.5	3,181.1	11.8	10.9	-147.58	4.3	-138.7	173.5	151.2	22.30	7.780	
3,300.0	3,282.8	3,279.8	3,279.5	12.3	11.2	-149.69	2.6	-138.7	187.1	164.1	22.99	8.137	
3,400.0	3,381.8	3,378.3	3,377.9	12.7	11.5	-151.52	0.7	-138.7	201.1	177.4	23.69	8.489	
3,500.0	3,480.9	3,475.7	3,475.3	13.1	11.9	-153.26	-1.4	-138.1	215.6	191.3	24.37	8.848	
3,600.0	3,579.9	3,572.4	3,571.9	13.5	12.2	-155.28	-3.3	-135.2	231.2	206.1	25.04	9.233	
3,700.0	3,678.9	3,670.3	3,669.7	13.9	12.5	-157.52	-5.1	-130.3	247.5	221.8	25.71	9.628	
3,800.0	3,777.9	3,768.5	3,767.7	14.3	12.9	-159.83	-6.2	-124.0	264.3	237.9	26.39	10.016	
3,900.0	3,877.0	3,874.3	3,873.3	14.7	13.2	-162.24	-5.8	-116.9	280.2	253.1	27.14	10.326	
4,000.0	3,976.0	3,982.5	3,981.2	15.1	13.6	-164.52	-2.0	-110.9	293.4	265.5	27.89	10.517	
4,100.0	4,075.0	4,091.3	4,089.6	15.6	14.0	-166.90	5.6	-105.6	303.6	274.9	28.63	10.603	
4,200.0	4,174.0	4,196.8	4,194.4	16.0	14.3	-169.45	16.9	-100.4	311.2	281.9	29.34	10.606	
4,300.0	4,273.1	4,296.2	4,293.0	16.4	14.7	-171.84	28.4	-95.6	318.6	288.5	30.04	10.603	
4,400.0	4,372.1	4,392.4	4,388.4	16.8	15.0	-174.04	39.6	-90.9	326.5	295.8	30.74	10.621	
4,500.0	4,471.1	4,484.2	4,479.5	17.2	15.3	-176.05	49.1	-85.4	336.7	305.2	31.42	10.716	
4,600.0	4,570.2	4,578.1	4,572.8	17.6	15.7	-177.97	57.5	-78.5	349.2	317.1	32.09	10.879	
4,700.0	4,669.2	4,675.7	4,669.8	18.0	16.0	-179.81	65.7	-71.1	362.6	329.8	32.80	11.057	
4,767.4	4,735.9	4,741.5	4,735.2	18.3	16.3	179.04	71.0	-66.0	372.0	338.8	33.27	11.181	
4,800.0	4,768.2	4,772.9	4,766.4	18.5	16.4	178.51	73.6	-63.6	376.5	343.0	33.50	11.240	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
4,900.0	4,867.5	4,869.8	4,862.6	18.9	16.7	176.94	81.2	-55.7	389.2	355.0	34.20	11.379	
5,000.0	4,967.1	4,967.9	4,960.1	19.2	17.1	175.43	88.7	-47.5	399.9	365.0	34.91	11.456	
5,100.0	5,066.9	5,067.5	5,059.2	19.6	17.5	174.10	95.4	-39.9	408.2	372.6	35.63	11.459	
5,200.0	5,166.8	5,168.4	5,159.7	20.0	17.8	172.92	101.5	-33.0	414.0	377.7	36.35	11.388	
5,300.7	5,267.5	5,270.8	5,261.7	20.3	18.2	125.22	107.5	-26.7	416.9	379.8	37.09	11.240	
5,400.0	5,366.8	5,370.2	5,360.8	20.6	18.5	124.15	113.2	-21.2	418.3	380.5	37.80	11.066	
5,500.0	5,466.8	5,470.0	5,460.3	20.9	18.9	123.21	118.1	-16.1	419.7	381.2	38.51	10.901	
5,600.0	5,566.8	5,570.5	5,560.7	21.3	19.3	122.34	122.6	-11.4	421.3	382.0	39.22	10.740	
5,700.0	5,666.8	5,671.2	5,661.1	21.6	19.6	121.44	127.5	-6.7	422.7	382.7	39.94	10.582	
5,800.0	5,766.8	5,769.2	5,758.9	21.9	20.0	120.66	131.6	-2.4	424.2	383.6	40.63	10.441	
5,900.0	5,866.8	5,867.3	5,856.9	22.3	20.3	120.10	134.2	1.5	426.4	385.0	41.32	10.318	
6,000.0	5,966.8	5,967.3	5,956.9	22.6	20.7	119.64	136.0	5.2	428.7	386.7	42.03	10.200	
6,100.0	6,066.8	6,067.5	6,056.9	22.9	21.0	119.19	137.8	8.9	431.0	388.3	42.74	10.085	
6,200.0	6,166.8	6,167.7	6,157.0	23.3	21.4	118.60	140.6	13.0	433.3	389.8	43.45	9.972	
6,300.0	6,266.8	6,267.9	6,257.0	23.6	21.8	117.79	144.9	17.9	435.5	391.4	44.16	9.862	
6,400.0	6,366.8	6,368.7	6,357.6	23.9	22.1	116.99	149.3	22.7	437.7	392.8	44.89	9.752	
6,500.0	6,466.8	6,468.3	6,457.0	24.3	22.5	116.27	153.3	27.0	439.8	394.2	45.60	9.645	
6,600.0	6,566.8	6,565.6	6,554.0	24.6	22.9	115.32	158.8	32.4	442.3	396.0	46.29	9.555	
6,700.0	6,666.8	6,663.5	6,651.4	24.9	23.2	114.09	166.1	39.2	445.6	398.6	47.00	9.481	
6,800.0	6,766.8	6,762.5	6,749.8	25.3	23.6	112.86	173.5	46.3	449.2	401.5	47.71	9.414	
6,900.0	6,866.8	6,863.0	6,849.8	25.6	24.0	111.68	180.7	53.4	453.0	404.6	48.45	9.351	
7,000.0	6,966.8	6,964.6	6,951.0	26.0	24.3	110.55	187.7	60.0	456.6	407.4	49.19	9.283	
7,100.0	7,066.8	7,064.9	7,050.9	26.3	24.7	109.51	194.4	66.1	460.0	410.1	49.92	9.215	
7,200.0	7,166.8	7,164.8	7,150.4	26.6	25.1	108.55	200.6	71.9	463.5	412.9	50.64	9.153	
7,300.0	7,266.8	7,263.8	7,249.1	27.0	25.4	107.67	206.2	77.5	467.2	415.8	51.36	9.097	
7,400.0	7,366.8	7,362.7	7,347.7	27.3	25.8	106.85	211.5	83.2	471.1	419.0	52.07	9.048	
7,500.0	7,466.8	7,462.8	7,447.5	27.7	26.2	106.08	216.4	88.9	475.2	422.4	52.79	9.001	
7,600.0	7,566.8	7,563.1	7,547.5	28.0	26.5	105.37	221.0	94.4	479.2	425.7	53.51	8.955	
7,700.0	7,666.8	7,659.9	7,644.1	28.3	26.9	104.63	225.9	100.1	483.6	429.4	54.20	8.922	
7,800.0	7,766.8	7,756.5	7,740.3	28.7	27.3	103.76	231.8	106.6	488.6	433.7	54.89	8.902	
7,900.0	7,866.8	7,851.3	7,834.5	29.0	27.6	102.82	238.5	114.0	494.6	439.1	55.56	8.903	
8,000.0	7,966.8	7,946.7	7,929.3	29.4	28.0	101.79	245.7	122.4	501.7	445.5	56.23	8.922	
8,100.0	8,066.8	8,052.5	8,034.5	29.7	28.4	100.77	253.1	131.4	508.6	451.6	57.03	8.918	
8,200.0	8,166.8	8,159.2	8,140.8	30.1	28.8	99.96	259.1	138.7	514.4	456.5	57.83	8.894	
8,300.0	8,266.8	8,267.2	8,248.5	30.4	29.2	99.32	264.0	144.2	518.6	460.0	58.62	8.847	
8,400.0	8,366.8	8,370.1	8,351.2	30.7	29.6	98.81	268.1	148.0	521.7	462.3	59.36	8.787	
8,500.0	8,466.8	8,468.2	8,449.2	31.1	29.9	98.29	272.3	151.8	524.8	464.8	60.06	8.738	
8,600.0	8,566.8	8,565.6	8,546.3	31.4	30.3	97.75	276.8	155.9	528.4	467.7	60.76	8.697	
8,700.0	8,666.8	8,662.6	8,643.2	31.8	30.6	97.33	280.0	160.4	532.6	471.1	61.44	8.668	
8,800.0	8,766.8	8,759.2	8,739.6	32.1	31.0	96.98	282.7	165.4	537.3	475.2	62.13	8.649	
8,900.0	8,866.8	8,855.3	8,835.4	32.5	31.3	96.43	287.2	171.1	542.7	479.9	62.80	8.641	
9,000.0	8,966.8	8,952.2	8,932.0	32.8	31.7	95.74	293.1	177.7	548.8	485.3	63.49	8.644	
9,100.0	9,066.8	9,049.7	9,029.2	33.2	32.1	95.20	297.7	184.5	555.4	491.2	64.18	8.653	
9,200.0	9,166.8	9,152.3	9,131.4	33.5	32.4	94.78	301.2	191.7	562.0	497.1	64.93	8.656	
9,300.0	9,266.8	9,256.7	9,235.6	33.9	32.8	94.41	304.3	198.1	567.9	502.2	65.69	8.646	
9,400.0	9,366.8	9,356.2	9,334.9	34.2	33.2	94.11	306.9	203.8	573.4	507.0	66.40	8.636	
9,500.0	9,466.8	9,455.5	9,433.9	34.6	33.5	93.83	309.3	209.6	579.1	512.0	67.10	8.630	
9,600.0	9,566.8	9,561.4	9,539.7	34.9	33.9	93.58	311.4	215.2	584.2	516.4	67.87	8.608	
9,700.0	9,666.8	9,667.4	9,645.6	35.2	34.3	93.40	313.1	219.6	588.3	519.7	68.63	8.573	
9,800.0	9,766.8	9,757.7	9,735.7	35.6	34.6	93.10	315.9	224.1	593.1	523.8	69.26	8.563	
9,900.0	9,866.8	9,854.0	9,831.7	35.9	35.0	92.59	320.9	229.9	598.8	528.9	69.94	8.562	
10,000.0	9,966.8	9,964.2	9,941.6	36.3	35.4	92.04	326.5	235.7	603.9	533.1	70.75	8.535	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,100.0	10,066.8	10,062.5	10,039.8	36.6	35.8	91.63	330.7	239.5	607.7	536.2	71.46	8.504	
10,200.0	10,166.8	10,147.9	10,124.9	37.0	36.1	91.21	335.0	244.5	613.3	541.3	72.03	8.514	
10,300.0	10,266.8	10,237.9	10,214.5	37.3	36.4	90.70	340.4	251.7	621.2	548.6	72.64	8.553	
10,340.2	10,307.0	10,280.0	10,256.3	37.5	36.6	90.48	342.7	255.2	624.6	551.6	72.95	8.562	
10,350.0	10,316.8	10,290.2	10,266.5	37.5	36.6	-83.30	343.2	256.0	625.3	552.3	73.02	8.564	
10,400.0	10,366.7	10,342.4	10,318.5	37.7	36.8	-83.44	345.5	260.1	628.9	555.5	73.39	8.570	
10,450.0	10,416.1	10,394.2	10,370.1	37.8	37.0	-83.98	347.2	264.0	631.9	558.1	73.74	8.569	
10,500.0	10,464.7	10,449.9	10,425.7	37.9	37.2	-85.03	348.5	267.7	634.2	560.1	74.12	8.556	
10,550.0	10,512.1	10,504.8	10,480.5	38.1	37.4	-86.50	349.5	270.7	635.9	561.4	74.49	8.537	
10,600.0	10,558.0	10,558.2	10,533.8	38.2	37.6	-88.31	350.0	273.0	637.3	562.5	74.82	8.517	
10,650.0	10,601.9	10,609.6	10,585.2	38.3	37.8	-90.36	350.3	274.7	638.8	563.7	75.13	8.502	
10,700.0	10,643.6	10,651.7	10,627.3	38.3	37.9	-92.21	350.5	275.8	641.2	565.9	75.38	8.507	
10,750.0	10,682.7	10,693.1	10,668.7	38.4	38.1	-94.14	350.8	276.8	645.0	569.4	75.62	8.529	
10,800.0	10,719.0	10,731.5	10,707.0	38.5	38.2	-95.93	351.0	277.5	650.5	574.7	75.84	8.578	
10,850.0	10,752.1	10,766.4	10,742.0	38.5	38.3	-97.44	351.2	278.1	658.4	582.3	76.04	8.658	
10,900.0	10,781.9	10,797.7	10,773.3	38.6	38.5	-98.59	351.4	278.5	668.8	592.6	76.22	8.775	
10,950.0	10,808.0	10,823.2	10,798.7	38.6	38.5	-99.10	351.6	278.8	682.3	605.9	76.37	8.934	
11,000.0	10,830.3	10,845.2	10,820.8	38.6	38.6	-99.08	351.9	279.0	698.9	622.4	76.50	9.135	
11,050.0	10,848.7	10,863.1	10,838.6	38.6	38.7	-98.40	352.1	279.1	718.6	642.0	76.61	9.380	
11,100.0	10,862.9	10,876.7	10,852.2	38.7	38.7	-97.00	352.2	279.3	741.4	664.7	76.70	9.667	
11,150.0	10,872.9	10,886.1	10,861.6	38.7	38.8	-94.83	352.4	279.3	767.1	690.3	76.76	9.993	
11,200.0	10,878.5	10,891.3	10,866.8	38.8	38.8	-91.87	352.4	279.4	795.3	718.5	76.80	10.355	
11,240.2	10,880.0	10,892.2	10,867.7	38.9	38.8	-88.91	352.4	279.4	819.6	742.8	76.82	10.669	
11,300.0	10,880.0	10,891.3	10,866.9	39.0	38.8	-88.82	352.4	279.4	858.4	781.5	76.83	11.172	
11,400.0	10,880.0	10,890.0	10,865.5	39.3	38.8	-88.64	352.4	279.4	930.1	853.3	76.87	12.101	
11,500.0	10,880.0	10,888.6	10,864.2	39.7	38.8	-88.45	352.4	279.4	1,008.8	931.9	76.90	13.118	
11,528.2	10,880.0	10,888.2	10,863.8	39.8	38.8	-88.39	352.4	279.4	1,032.0	955.1	76.91	13.419	
11,600.0	10,880.0	10,887.2	10,862.8	40.1	38.8	-88.29	352.4	279.3	1,092.4	1,015.5	76.93	14.199	
11,700.0	10,880.0	12,512.9	11,812.7	40.6	43.4	-144.85	-638.3	368.9	1,141.3	1,084.8	56.49	20.202	
11,800.0	10,880.0	12,602.5	11,815.7	41.1	43.9	-144.87	-727.8	371.3	1,145.1	1,087.9	57.23	20.009	
11,900.0	10,880.0	12,730.7	11,820.6	41.7	44.6	-144.96	-856.0	373.6	1,149.1	1,090.9	58.13	19.766	
12,000.0	10,880.0	12,893.7	11,818.1	42.4	45.7	-144.92	-1,018.9	374.1	1,147.2	1,087.7	59.50	19.281	
12,100.0	10,880.0	12,993.5	11,814.6	43.1	46.4	-144.91	-1,118.6	372.7	1,143.1	1,082.6	60.55	18.880	
12,200.0	10,880.0	13,073.7	11,812.9	43.8	46.9	-144.92	-1,198.8	371.7	1,140.3	1,078.8	61.48	18.546	
12,300.0	10,880.0	13,151.0	11,812.6	44.7	47.5	-144.97	-1,276.1	371.0	1,139.0	1,076.6	62.43	18.243	
12,315.9	10,880.0	13,165.3	11,812.7	44.8	47.7	-144.98	-1,290.4	370.9	1,139.0	1,076.4	62.61	18.192	
12,400.0	10,880.0	13,217.4	11,813.4	45.5	48.1	-144.98	-1,342.5	371.7	1,140.2	1,076.8	63.41	17.982	
12,500.0	10,880.0	13,313.3	11,815.1	46.4	48.9	-144.88	-1,438.2	376.3	1,144.0	1,079.3	64.75	17.669	
12,600.0	10,880.0	13,409.7	11,815.4	47.3	49.8	-144.68	-1,534.5	382.0	1,147.2	1,081.0	66.23	17.322	
12,700.0	10,880.0	13,480.2	11,816.2	48.3	50.4	-144.53	-1,604.8	386.9	1,151.9	1,084.3	67.54	17.054	
12,800.0	10,880.0	12,800.0	11,819.5	49.3	43.9	-144.34	-1,715.7	394.8	1,158.0	1,094.3	63.70	18.179	
12,900.0	10,880.0	13,748.8	11,818.9	50.4	53.1	-144.05	-1,872.8	402.6	1,159.8	1,088.4	71.45	16.233	
13,000.0	10,880.0	13,872.7	11,815.7	51.5	54.4	-143.90	-1,996.6	405.1	1,158.3	1,085.0	73.35	15.792	
13,100.0	10,880.0	13,979.6	11,812.8	52.6	55.5	-143.80	-2,103.5	406.3	1,156.3	1,081.2	75.09	15.399	
13,200.0	10,880.0	14,114.5	11,808.4	53.7	57.0	-143.77	-2,238.3	404.8	1,152.6	1,075.5	77.07	14.955	
13,300.0	10,880.0	14,214.5	11,803.8	54.9	58.1	-143.83	-2,338.2	400.8	1,146.1	1,067.4	78.67	14.569	
13,400.0	10,880.0	14,281.0	11,803.3	56.0	58.9	-143.92	-2,404.6	398.6	1,142.8	1,062.9	79.92	14.299	
13,500.0	10,880.0	14,354.9	11,804.4	57.3	59.7	-144.03	-2,478.5	397.3	1,142.2	1,061.0	81.26	14.056	
13,537.5	10,880.0	14,389.6	11,804.8	57.7	60.1	-144.07	-2,513.2	396.9	1,142.2	1,060.3	81.84	13.956	
13,600.0	10,880.0	14,443.0	11,805.6	58.5	60.8	-144.13	-2,566.6	396.5	1,142.4	1,059.6	82.78	13.801	
13,700.0	10,880.0	14,576.3	11,805.4	59.7	62.4	-144.14	-2,699.9	397.1	1,142.2	1,057.3	84.87	13.458	
13,800.0	10,880.0	14,672.3	11,801.9	61.0	63.6	-143.97	-2,795.8	399.5	1,140.3	1,053.4	86.82	13.134	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
13,900.0	10,880.0	14,771.4	11,798.3	62.3	64.8	-143.79	-2,894.8	402.1	1,138.4	1,049.5	88.84	12.813	
14,000.0	10,880.0	14,857.7	11,796.3	63.6	65.9	-143.66	-2,980.9	404.3	1,137.5	1,046.8	90.70	12.542	
14,100.0	10,880.0	15,009.0	11,791.4	64.9	67.9	-143.58	-3,132.2	403.8	1,134.0	1,040.8	93.19	12.168	
14,200.0	10,880.0	14,200.0	11,784.7	66.2	57.5	-143.58	-3,255.7	400.0	1,127.2	1,040.6	86.64	13.011	
14,300.0	10,880.0	15,203.5	11,781.1	67.6	70.4	-143.60	-3,326.3	397.4	1,120.8	1,023.9	96.92	11.564	
14,400.0	10,880.0	15,323.0	11,777.0	69.0	72.0	-143.75	-3,445.6	391.6	1,114.5	1,015.7	98.84	11.276	
14,500.0	10,880.0	15,388.2	11,774.6	70.3	72.8	-143.86	-3,510.6	387.8	1,108.4	1,008.1	100.29	11.052	
14,600.0	10,880.0	15,525.1	11,772.8	71.7	74.7	-143.97	-3,647.5	384.9	1,106.4	1,003.9	102.46	10.798	
14,700.0	10,880.0	15,570.5	11,771.5	73.1	75.3	-143.95	-3,692.8	384.7	1,102.9	999.0	103.90	10.615	
14,737.0	10,880.0	15,591.1	11,771.1	73.6	75.6	-143.93	-3,713.4	385.1	1,102.6	998.1	104.47	10.554	
14,800.0	10,880.0	15,639.3	11,770.7	74.5	76.2	-143.85	-3,761.6	386.9	1,103.1	997.5	105.64	10.442	
14,900.0	10,880.0	15,734.3	11,770.3	75.9	77.6	-143.72	-3,856.5	390.6	1,104.7	996.9	107.77	10.250	
15,000.0	10,880.0	15,826.1	11,771.1	77.4	78.8	-143.66	-3,948.3	393.4	1,106.6	996.9	109.77	10.081	
15,100.0	10,880.0	15,915.9	11,772.6	78.8	80.1	-143.59	-4,037.9	396.8	1,109.8	998.0	111.77	9.930	
15,200.0	10,880.0	16,022.6	11,773.4	80.3	81.6	-143.43	-4,144.5	402.1	1,112.9	998.7	114.14	9.750	
15,300.0	10,880.0	16,165.9	11,771.9	81.7	83.7	-143.10	-4,287.6	409.9	1,115.4	998.1	117.22	9.515	
15,400.0	10,880.0	16,302.8	11,765.3	83.2	85.7	-142.85	-4,424.3	412.2	1,111.9	991.8	120.08	9.260	
15,500.0	10,880.0	16,383.0	11,760.1	84.6	86.8	-142.69	-4,504.3	412.6	1,106.9	984.7	122.21	9.058	
15,585.6	10,880.0	16,439.9	11,758.2	85.9	87.6	-142.64	-4,561.2	412.8	1,104.8	981.1	123.76	8.927	
15,600.0	10,880.0	16,446.5	11,758.2	86.1	87.7	-142.65	-4,567.8	412.8	1,104.9	980.9	123.97	8.913	
15,700.0	10,880.0	16,535.1	11,761.6	87.6	89.0	-142.77	-4,656.4	413.1	1,107.4	981.7	125.74	8.807	
15,800.0	10,880.0	16,682.8	11,762.4	89.1	91.2	-142.90	-4,804.0	411.6	1,106.7	978.5	128.21	8.632	
15,896.5	10,880.0	16,751.1	11,762.2	90.5	92.2	-142.92	-4,872.3	411.4	1,105.8	975.9	129.90	8.512	
15,900.0	10,880.0	16,753.8	11,762.2	90.6	92.2	-142.92	-4,875.0	411.5	1,105.8	975.8	129.97	8.508	
16,000.0	10,880.0	16,822.6	11,762.6	92.1	93.2	-142.89	-4,943.7	413.1	1,107.2	975.4	131.74	8.404	
16,100.0	10,880.0	16,956.9	11,763.3	93.6	95.2	-142.73	-5,077.9	418.6	1,110.0	975.3	134.62	8.245	
16,200.0	10,880.0	16,200.0	11,761.9	95.1	84.1	-142.73	-5,219.9	418.7	1,109.2	981.5	127.66	8.689	
16,300.0	10,880.0	17,255.1	11,755.3	96.6	99.6	-143.07	-5,375.3	406.6	1,099.5	960.4	139.17	7.901	
16,400.0	10,880.0	17,325.0	11,753.5	98.1	100.6	-143.23	-5,445.1	402.0	1,092.7	951.9	140.84	7.759	
16,500.0	10,880.0	17,414.1	11,752.5	99.6	101.9	-143.43	-5,534.0	397.3	1,088.0	945.5	142.54	7.633	
16,600.0	10,880.0	17,476.1	11,752.0	101.1	102.8	-143.55	-5,595.9	394.4	1,084.3	940.2	144.09	7.525	
16,642.4	10,880.0	17,501.1	11,752.1	101.8	103.2	-143.58	-5,621.0	394.0	1,083.8	939.1	144.74	7.488	
16,700.0	10,880.0	17,546.5	11,752.7	102.7	103.9	-143.61	-5,666.4	394.0	1,084.1	938.4	145.76	7.438	
16,800.0	10,880.0	17,644.2	11,754.6	104.2	105.4	-143.70	-5,764.0	394.1	1,085.3	937.6	147.72	7.347	
16,900.0	10,880.0	17,756.6	11,757.0	105.7	107.1	-143.86	-5,876.4	392.9	1,085.9	936.2	149.75	7.251	
17,000.0	10,880.0	17,879.6	11,754.6	107.3	108.9	-143.75	-5,999.3	394.9	1,084.9	932.5	152.42	7.118	
17,100.0	10,880.0	17,958.4	11,752.4	108.8	110.1	-143.63	-6,078.1	396.5	1,083.4	928.9	154.57	7.009	
17,108.6	10,880.0	17,964.7	11,752.3	109.0	110.2	-143.62	-6,084.4	396.7	1,083.4	928.7	154.75	7.001	
17,200.0	10,880.0	18,048.4	11,751.1	110.4	111.5	-143.48	-6,168.0	399.9	1,084.0	927.1	156.93	6.908	
17,300.0	10,880.0	18,125.5	11,750.1	111.9	112.7	-143.32	-6,245.1	403.5	1,085.4	926.3	159.10	6.822	
17,400.0	10,880.0	18,177.0	11,750.3	113.5	113.5	-143.19	-6,296.4	407.1	1,090.0	929.3	160.67	6.784	
17,500.0	10,880.0	18,247.2	11,752.3	115.0	114.6	-142.99	-6,366.2	414.0	1,098.0	935.3	162.64	6.751	
17,600.0	10,880.0	18,357.1	11,757.6	116.6	116.3	-142.66	-6,475.3	426.7	1,108.4	942.6	165.79	6.686	
17,700.0	10,880.0	18,589.0	11,759.3	118.2	119.9	-142.34	-6,706.7	437.5	1,111.1	940.2	170.86	6.503	
17,800.0	10,880.0	18,670.2	11,756.8	119.7	121.2	-142.23	-6,787.8	438.8	1,109.2	936.1	173.14	6.406	
17,900.0	10,880.0	18,761.5	11,754.8	121.3	122.6	-142.10	-6,879.1	441.2	1,108.6	933.0	175.58	6.314	
18,000.0	10,880.0	18,859.3	11,752.4	122.8	124.1	-141.93	-6,976.8	444.4	1,108.2	930.0	178.19	6.219	
18,008.9	10,880.0	18,866.8	11,752.3	123.0	124.2	-141.92	-6,984.3	444.6	1,108.2	929.8	178.40	6.212	
18,100.0	10,880.0	18,953.2	11,752.1	124.4	125.6	-141.87	-7,070.6	446.3	1,108.7	928.2	180.51	6.142	
18,200.0	10,880.0	19,062.7	11,753.9	126.0	127.3	-142.06	-7,180.1	443.8	1,108.1	925.6	182.45	6.073	
18,225.0	10,880.0	19,083.0	11,754.6	126.4	127.6	-142.12	-7,200.4	443.0	1,108.0	925.2	182.82	6.061	
18,300.0	10,880.0	19,145.5	11,757.3	127.6	128.6	-142.32	-7,262.8	440.6	1,108.5	924.6	183.87	6.029	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
18,400.0	10,880.0	19,286.9	11,760.2	129.1	130.7	-142.51	-7,404.1	439.5	1,109.7	923.5	186.20	5.960	
18,500.0	10,880.0	19,411.1	11,755.0	130.7	132.7	-142.41	-7,528.2	438.8	1,105.5	916.6	188.87	5.853	
18,600.0	10,880.0	19,499.1	11,750.3	132.3	134.1	-142.25	-7,616.1	439.7	1,101.4	910.0	191.42	5.754	
18,700.0	10,880.0	19,581.3	11,746.6	133.9	135.4	-142.10	-7,698.2	441.2	1,098.5	904.6	193.90	5.665	
18,771.8	10,880.0	19,630.4	11,745.1	135.0	136.1	-142.01	-7,747.3	442.5	1,097.7	902.2	195.49	5.615	
18,800.0	10,880.0	19,649.2	11,744.8	135.5	136.4	-141.98	-7,766.0	443.3	1,097.8	901.8	196.09	5.599	
18,900.0	10,880.0	19,763.0	11,743.6	137.0	138.2	-141.79	-7,879.7	447.8	1,099.1	900.1	199.02	5.523	
19,000.0	10,880.0	19,861.1	11,742.5	138.6	139.8	-141.73	-7,977.8	449.1	1,098.6	897.1	201.43	5.454	
19,100.0	10,880.0	19,982.5	11,740.2	140.2	141.7	-141.65	-8,099.2	450.2	1,097.2	893.0	204.17	5.374	
19,200.0	10,880.0	20,066.1	11,738.7	141.8	143.0	-141.60	-8,182.7	450.8	1,095.7	889.3	206.41	5.309	
19,246.6	10,880.0	20,105.4	11,738.6	142.6	143.6	-141.60	-8,222.0	451.1	1,095.6	888.2	207.40	5.282	
19,300.0	10,880.0	20,150.4	11,738.9	143.4	144.3	-141.62	-8,267.0	451.3	1,095.8	887.3	208.47	5.256	
19,400.0	10,880.0	20,246.2	11,740.1	145.0	145.8	-141.65	-8,362.9	452.1	1,096.8	886.2	210.62	5.207	
19,500.0	10,880.0	20,373.8	11,739.5	146.6	147.8	-141.63	-8,490.4	453.1	1,096.4	883.0	213.34	5.139	
19,600.0	10,880.0	20,470.7	11,738.1	148.2	149.4	-141.60	-8,587.3	453.4	1,095.0	879.3	215.67	5.077	
19,700.0	10,880.0	20,564.5	11,736.8	149.8	150.9	-141.53	-8,681.1	454.8	1,094.4	876.2	218.11	5.018	
19,800.0	10,880.0	20,668.5	11,734.9	151.4	152.5	-141.42	-8,785.0	456.8	1,093.6	872.8	220.77	4.954	
19,900.0	10,880.0	20,767.2	11,733.6	153.0	154.1	-141.37	-8,883.7	457.8	1,092.7	869.5	223.21	4.896	
20,000.0	10,880.0	20,864.4	11,732.2	154.6	155.6	-141.29	-8,980.9	459.4	1,092.1	866.4	225.72	4.839	
20,100.0	10,880.0	20,971.1	11,731.8	156.2	157.3	-141.31	-9,087.6	459.5	1,091.5	863.4	228.07	4.786	
20,200.0	10,880.0	21,073.2	11,731.0	157.8	158.9	-141.33	-9,189.7	459.0	1,090.1	859.8	230.35	4.732	
20,300.0	10,880.0	21,163.4	11,730.4	159.4	160.4	-141.34	-9,279.9	459.1	1,089.1	856.6	232.54	4.684	
20,336.4	10,880.0	21,195.3	11,730.3	160.0	160.9	-141.33	-9,311.8	459.4	1,089.1	855.7	233.36	4.667	
20,400.0	10,880.0	21,251.1	11,730.0	161.0	161.7	-141.29	-9,367.6	460.6	1,089.3	854.5	234.84	4.638	
20,500.0	10,880.0	21,410.3	11,728.8	162.6	164.3	-141.35	-9,526.7	459.3	1,088.0	850.4	237.55	4.580	
20,600.0	10,880.0	21,514.5	11,727.9	164.2	165.9	-141.63	-9,630.7	452.8	1,082.9	843.8	239.07	4.530	
20,700.0	10,880.0	21,644.8	11,726.7	165.8	167.9	-142.04	-9,760.6	443.1	1,077.4	837.2	240.18	4.486	
20,800.0	10,880.0	21,721.1	11,725.0	167.4	169.1	-142.28	-9,836.6	436.6	1,070.1	828.3	241.74	4.426	
20,900.0	10,880.0	21,813.8	11,723.8	169.0	170.6	-142.46	-9,929.2	432.0	1,065.4	822.0	243.45	4.377	
21,000.0	10,880.0	21,907.0	11,721.0	170.6	172.0	-142.58	-10,022.3	427.8	1,059.9	814.6	245.34	4.320	
21,046.6	10,880.0	21,907.0	11,721.0	171.4	172.0	-142.58	-10,022.3	427.8	1,058.9	812.9	245.97	4.305 SF	
21,100.0	10,880.0	21,907.0	11,721.0	172.2	172.0	-142.58	-10,022.3	427.8	1,060.2	814.0	246.19	4.306	
21,182.4	10,880.0	21,907.0	11,721.0	173.4	172.0	-142.58	-10,022.3	427.8	1,067.5	822.1	245.42	4.350	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	-1.0	0.0	0.0	179.52	-30.0	0.2	30.0				
100.0	100.0	101.0	99.0	0.1	0.1	179.52	-30.0	0.2	30.0	29.8	0.26	115.622	
200.0	200.0	201.0	199.0	0.5	0.5	179.52	-30.0	0.2	30.0	29.1	0.98	30.762	
300.0	300.0	301.0	299.0	0.8	0.8	179.52	-30.0	0.2	30.0	28.4	1.69	17.741	
400.0	400.0	401.0	399.0	1.2	1.2	179.52	-30.0	0.2	30.0	27.6	2.41	12.465	
500.0	500.0	501.0	499.0	1.6	1.6	179.52	-30.0	0.2	30.0	26.9	3.13	9.608	
600.0	600.0	601.0	599.0	1.9	1.9	179.52	-30.0	0.2	30.0	26.2	3.84	7.816	
700.0	700.0	701.0	699.0	2.3	2.3	179.52	-30.0	0.2	30.0	25.5	4.56	6.588	
800.0	800.0	801.0	799.0	2.6	2.6	179.52	-30.0	0.2	30.0	24.8	5.28	5.693	
900.0	900.0	901.0	899.0	3.0	3.0	179.52	-30.0	0.2	30.0	24.1	6.00	5.012	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	179.52	-30.0	0.2	30.0	23.3	6.71	4.477	CC
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-135.10	-30.0	0.2	30.7	23.2	7.43	4.128	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-138.33	-30.0	0.2	32.6	24.4	8.14	4.001	
1,300.0	1,299.9	1,301.1	1,298.9	4.4	4.4	-142.94	-30.0	0.2	35.9	27.1	8.85	4.059	
1,400.0	1,399.7	1,401.3	1,398.7	4.8	4.8	-148.06	-30.0	0.2	41.0	31.4	9.57	4.282	
1,500.0	1,499.4	1,498.4	1,498.4	5.1	5.1	-153.01	-30.0	0.2	47.8	37.5	10.28	4.654	
1,600.0	1,598.9	1,598.8	1,598.8	5.5	5.5	-157.01	-29.5	-0.4	55.8	44.8	10.99	5.076	
1,700.0	1,698.3	1,699.3	1,699.3	5.9	5.9	-159.89	-27.8	-2.5	64.0	52.3	11.70	5.468	
1,800.0	1,797.4	1,800.1	1,799.9	6.3	6.2	-162.01	-25.1	-5.9	72.3	59.9	12.41	5.827	
1,900.0	1,896.4	1,901.0	1,900.7	6.6	6.6	-163.43	-21.2	-10.7	80.0	66.8	13.12	6.092	
2,000.0	1,995.5	2,002.2	2,001.5	7.0	6.9	-164.20	-16.2	-16.9	86.0	72.1	13.84	6.213	
2,100.0	2,094.5	2,103.5	2,102.4	7.4	7.3	-164.49	-10.0	-24.5	90.3	75.8	14.55	6.209	
2,200.0	2,193.5	2,205.0	2,203.3	7.8	7.7	-164.38	-2.7	-33.5	93.0	77.8	15.26	6.096	
2,300.0	2,292.5	2,306.6	2,303.9	8.2	8.0	-163.90	5.7	-43.9	94.1	78.1	15.98	5.889	
2,400.0	2,391.6	2,406.5	2,402.8	8.6	8.4	-163.27	14.4	-54.7	94.4	77.7	16.71	5.651	
2,500.0	2,490.6	2,506.5	2,501.8	9.0	8.8	-162.65	23.2	-65.6	94.8	77.4	17.45	5.433	
2,600.0	2,589.6	2,606.5	2,600.9	9.4	9.2	-162.03	31.9	-76.4	95.2	77.0	18.19	5.232	
2,700.0	2,688.6	2,706.4	2,699.9	9.8	9.6	-161.41	40.7	-87.2	95.6	76.6	18.93	5.047	
2,800.0	2,787.7	2,806.4	2,798.9	10.2	10.0	-160.80	49.4	-98.0	96.0	76.3	19.68	4.876	
2,900.0	2,886.7	2,906.4	2,897.9	10.6	10.4	-160.20	58.2	-108.9	96.4	75.9	20.43	4.718	
3,000.0	2,985.7	3,006.4	2,996.9	11.0	10.8	-159.60	66.9	-119.7	96.8	75.6	21.18	4.570	
3,100.0	3,084.8	3,106.4	3,096.0	11.4	11.2	-159.00	75.7	-130.5	97.2	75.3	21.93	4.433	
3,200.0	3,183.8	3,206.4	3,195.0	11.8	11.6	-158.42	84.4	-141.3	97.6	74.9	22.68	4.304	
3,300.0	3,282.8	3,306.4	3,294.0	12.3	12.0	-157.83	93.2	-152.1	98.1	74.6	23.44	4.184	
3,400.0	3,381.8	3,406.4	3,393.0	12.7	12.4	-157.25	101.9	-163.0	98.5	74.3	24.20	4.072	
3,500.0	3,480.9	3,506.4	3,492.0	13.1	12.8	-156.68	110.7	-173.8	99.0	74.0	24.96	3.966	
3,600.0	3,579.9	3,606.4	3,591.1	13.5	13.2	-156.11	119.4	-184.6	99.5	73.8	25.72	3.867	
3,700.0	3,678.9	3,706.4	3,690.1	13.9	13.6	-155.55	128.1	-195.4	100.0	73.5	26.49	3.773	
3,800.0	3,777.9	3,806.4	3,789.1	14.3	14.0	-155.00	136.9	-206.3	100.5	73.2	27.26	3.685	
3,900.0	3,877.0	3,906.4	3,888.1	14.7	14.4	-154.44	145.6	-217.1	101.0	72.9	28.03	3.602	
4,000.0	3,976.0	4,006.4	3,987.2	15.1	14.8	-153.90	154.4	-227.9	101.5	72.7	28.80	3.523	
4,100.0	4,075.0	4,106.4	4,086.2	15.6	15.2	-153.36	163.1	-238.7	102.0	72.4	29.57	3.449	
4,200.0	4,174.0	4,206.4	4,185.2	16.0	15.6	-152.82	171.9	-249.5	102.5	72.2	30.35	3.378	
4,300.0	4,273.1	4,306.3	4,284.2	16.4	16.0	-152.30	180.6	-260.4	103.1	71.9	31.13	3.311	
4,400.0	4,372.1	4,406.3	4,383.2	16.8	16.4	-151.77	189.4	-271.2	103.6	71.7	31.90	3.248	
4,500.0	4,471.1	4,506.3	4,482.3	17.2	16.8	-151.26	198.1	-282.0	104.2	71.5	32.69	3.187	
4,600.0	4,570.2	4,606.3	4,581.3	17.6	17.2	-150.74	206.9	-292.8	104.7	71.3	33.47	3.130	
4,700.0	4,669.2	4,706.3	4,680.3	18.0	17.6	-150.24	215.6	-303.7	105.3	71.1	34.25	3.075	
4,767.4	4,735.9	4,773.7	4,747.1	18.3	17.9	-149.90	221.5	-310.9	105.7	70.9	34.78	3.039	
4,800.0	4,768.2	4,806.3	4,779.3	18.5	18.1	-149.70	224.4	-314.5	105.8	70.7	35.04	3.019	
4,900.0	4,867.5	4,906.3	4,878.3	18.9	18.5	-148.59	233.1	-325.3	104.5	68.7	35.85	2.916	
5,000.0	4,967.1	5,006.2	4,977.2	19.2	18.9	-146.63	241.9	-336.1	101.1	64.4	36.68	2.756	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	5,066.9	5,105.9	5,076.0	19.6	19.3	-143.62	250.6	-346.9	95.7	58.1	37.55	2.548	
5,200.0	5,166.8	5,205.4	5,174.5	20.0	19.7	-139.17	259.3	-357.7	88.6	50.1	38.48	2.301	
5,300.7	5,267.5	5,305.3	5,273.5	20.3	20.1	-179.14	268.1	-368.5	80.2	40.7	39.50	2.030	
5,400.0	5,366.8	5,403.6	5,370.8	20.6	20.5	-170.57	276.7	-379.1	72.4	31.9	40.56	1.786	
5,500.0	5,466.8	5,502.6	5,468.9	20.9	20.9	-160.19	285.3	-389.8	66.6	25.0	41.63	1.600	
5,600.0	5,566.8	5,601.7	5,566.9	21.3	21.3	-148.34	294.0	-400.6	63.4	20.8	42.58	1.489	Level 3
5,658.4	5,625.2	5,659.5	5,624.2	21.5	21.6	-141.05	299.0	-406.8	62.9	19.8	43.04	1.461	Level 3
5,700.0	5,666.8	5,700.7	5,665.0	21.6	21.8	-135.83	302.6	-411.3	63.1	19.8	43.32	1.457	Level 3, ES
5,800.0	5,766.8	5,800.3	5,763.0	21.9	22.2	-123.80	311.3	-422.0	65.9	22.1	43.84	1.503	
5,900.0	5,866.8	5,898.7	5,861.1	22.3	22.6	-113.14	320.0	-432.7	71.3	27.1	44.21	1.613	
6,000.0	5,966.8	5,998.4	5,959.8	22.6	23.0	-104.34	328.5	-443.3	78.7	34.1	44.57	1.764	
6,100.0	6,066.8	6,099.1	6,059.9	22.9	23.4	-98.19	335.7	-452.2	86.0	40.9	45.03	1.909	
6,200.0	6,166.8	6,200.4	6,160.8	23.3	23.8	-94.14	341.3	-459.1	92.2	46.6	45.56	2.023	
6,300.0	6,266.8	6,302.1	6,262.3	23.6	24.1	-91.63	345.2	-463.9	96.7	50.6	46.14	2.096	
6,400.0	6,366.8	6,404.0	6,364.2	23.9	24.5	-90.31	347.4	-466.6	99.3	52.6	46.75	2.125	
6,500.0	6,466.8	6,505.7	6,465.8	24.3	24.8	-90.01	347.9	-467.3	100.0	52.6	47.39	2.110	
6,600.0	6,566.8	6,605.7	6,565.8	24.6	25.2	-90.01	347.9	-467.3	100.0	51.9	48.07	2.080	
6,700.0	6,666.8	6,705.7	6,665.8	24.9	25.5	-90.01	347.9	-467.3	100.0	51.2	48.75	2.051	
6,800.0	6,766.8	6,805.7	6,765.8	25.3	25.8	-90.01	347.9	-467.3	100.0	50.6	49.44	2.022	
6,900.0	6,866.8	6,905.7	6,865.8	25.6	26.2	-90.01	347.9	-467.3	100.0	49.9	50.12	1.995	
7,000.0	6,966.8	7,005.7	6,965.8	26.0	26.5	-90.01	347.9	-467.3	100.0	49.2	50.81	1.968	
7,100.0	7,066.8	7,105.7	7,065.8	26.3	26.8	-90.01	347.9	-467.3	100.0	48.5	51.50	1.942	
7,200.0	7,166.8	7,205.7	7,165.8	26.6	27.1	-90.01	347.9	-467.3	100.0	47.8	52.18	1.916	
7,300.0	7,266.8	7,305.7	7,265.8	27.0	27.5	-90.01	347.9	-467.3	100.0	47.1	52.87	1.891	
7,400.0	7,366.8	7,405.7	7,365.8	27.3	27.8	-90.01	347.9	-467.3	100.0	46.4	53.56	1.867	
7,500.0	7,466.8	7,505.7	7,465.8	27.7	28.1	-90.01	347.9	-467.3	100.0	45.7	54.25	1.843	
7,600.0	7,566.8	7,605.7	7,565.8	28.0	28.5	-90.01	347.9	-467.3	100.0	45.0	54.94	1.820	
7,700.0	7,666.8	7,705.7	7,665.8	28.3	28.8	-90.01	347.9	-467.3	100.0	44.4	55.63	1.797	
7,800.0	7,766.8	7,805.7	7,765.8	28.7	29.2	-90.01	347.9	-467.3	100.0	43.7	56.32	1.775	
7,900.0	7,866.8	7,905.7	7,865.8	29.0	29.5	-90.01	347.9	-467.3	100.0	43.0	57.02	1.754	
8,000.0	7,966.8	8,005.7	7,965.8	29.4	29.8	-90.01	347.9	-467.3	100.0	42.3	57.71	1.733	
8,100.0	8,066.8	8,105.7	8,065.8	29.7	30.2	-90.01	347.9	-467.3	100.0	41.6	58.40	1.712	
8,200.0	8,166.8	8,205.7	8,165.8	30.1	30.5	-90.01	347.9	-467.3	100.0	40.9	59.10	1.692	
8,300.0	8,266.8	8,305.7	8,265.8	30.4	30.8	-90.01	347.9	-467.3	100.0	40.2	59.79	1.672	
8,400.0	8,366.8	8,405.7	8,365.8	30.7	31.2	-90.01	347.9	-467.3	100.0	39.5	60.49	1.653	
8,500.0	8,466.8	8,505.7	8,465.8	31.1	31.5	-90.01	347.9	-467.3	100.0	38.8	61.18	1.634	
8,600.0	8,566.8	8,605.7	8,565.8	31.4	31.9	-90.01	347.9	-467.3	100.0	38.1	61.88	1.616	
8,700.0	8,666.8	8,705.7	8,665.8	31.8	32.2	-90.01	347.9	-467.3	100.0	37.4	62.57	1.598	
8,800.0	8,766.8	8,805.7	8,765.8	32.1	32.5	-90.01	347.9	-467.3	100.0	36.7	63.27	1.580	
8,900.0	8,866.8	8,905.7	8,865.8	32.5	32.9	-90.01	347.9	-467.3	100.0	36.0	63.97	1.563	
9,000.0	8,966.8	9,005.7	8,965.8	32.8	33.2	-90.01	347.9	-467.3	100.0	35.3	64.67	1.546	
9,100.0	9,066.8	9,105.7	9,065.8	33.2	33.6	-90.01	347.9	-467.3	100.0	34.6	65.37	1.530	
9,200.0	9,166.8	9,205.7	9,165.8	33.5	33.9	-90.01	347.9	-467.3	100.0	33.9	66.06	1.514	
9,300.0	9,266.8	9,305.7	9,265.8	33.9	34.2	-90.01	347.9	-467.3	100.0	33.2	66.76	1.498	Level 3
9,400.0	9,366.8	9,405.7	9,365.8	34.2	34.6	-90.01	347.9	-467.3	100.0	32.5	67.46	1.482	Level 3
9,500.0	9,466.8	9,505.7	9,465.8	34.6	34.9	-90.01	347.9	-467.3	100.0	31.8	68.16	1.467	Level 3
9,600.0	9,566.8	9,605.7	9,565.8	34.9	35.3	-90.01	347.9	-467.3	100.0	31.1	68.86	1.452	Level 3
9,700.0	9,666.8	9,705.7	9,665.8	35.2	35.6	-90.01	347.9	-467.3	100.0	30.4	69.56	1.437	Level 3
9,800.0	9,766.8	9,805.7	9,765.8	35.6	36.0	-90.01	347.9	-467.3	100.0	29.7	70.26	1.423	Level 3
9,900.0	9,866.8	9,905.7	9,865.8	35.9	36.3	-90.01	347.9	-467.3	100.0	29.0	70.97	1.409	Level 3
10,000.0	9,966.8	10,005.7	9,965.8	36.3	36.7	-90.01	347.9	-467.3	100.0	28.3	71.67	1.395	Level 3
10,100.0	10,066.8	10,105.7	10,065.8	36.6	37.0	-90.01	347.9	-467.3	100.0	27.6	72.37	1.382	Level 3

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,200.0	10,166.8	10,205.7	10,165.8	37.0	37.3	-90.01	347.9	-467.3	100.0	26.9	73.07	1.368	Level 3
10,300.0	10,266.8	10,305.7	10,265.8	37.3	37.7	-90.01	347.9	-467.3	100.0	26.2	73.77	1.355	Level 3
10,340.2	10,307.0	10,345.9	10,306.0	37.5	37.8	-90.01	347.9	-467.3	100.0	25.9	74.06	1.350	Level 3
10,350.0	10,316.8	10,355.7	10,315.8	37.5	37.9	96.24	347.9	-467.3	100.0	25.9	74.12	1.349	Level 3, SF
10,400.0	10,366.7	10,405.6	10,365.7	37.7	38.0	97.92	347.9	-467.3	100.4	26.0	74.40	1.349	Level 3
10,450.0	10,416.1	10,455.0	10,415.1	37.8	38.2	101.86	347.9	-467.3	101.7	27.1	74.59	1.363	Level 3
10,500.0	10,464.7	10,503.6	10,463.7	37.9	38.4	107.66	347.9	-467.3	104.7	30.0	74.73	1.401	Level 3
10,550.0	10,512.1	10,551.0	10,511.1	38.1	38.5	114.61	347.9	-467.3	110.7	35.9	74.87	1.479	Level 3
10,600.0	10,558.0	10,603.1	10,557.0	38.2	38.7	121.84	347.9	-467.3	120.8	45.8	75.07	1.609	
10,650.0	10,601.9	10,640.8	10,600.9	38.3	38.8	128.59	347.9	-467.3	135.8	60.5	75.31	1.803	
10,700.0	10,643.6	10,682.5	10,642.6	38.3	39.0	134.35	347.9	-467.3	155.9	80.3	75.62	2.061	
10,750.0	10,682.7	10,721.6	10,681.7	38.4	39.1	138.95	347.9	-467.3	180.9	105.0	75.96	2.382	
10,800.0	10,719.0	10,757.9	10,718.0	38.5	39.3	142.38	347.9	-467.3	210.5	134.3	76.28	2.760	
10,850.0	10,752.1	10,809.0	10,751.1	38.5	39.4	144.70	347.9	-467.3	244.2	167.5	76.64	3.186	
10,900.0	10,781.9	10,820.8	10,780.9	38.6	39.5	145.98	347.9	-467.3	281.3	204.5	76.83	3.661	
10,950.0	10,808.0	10,846.9	10,807.0	38.6	39.6	146.17	347.9	-467.3	321.5	244.5	77.06	4.173	
11,000.0	10,830.3	10,869.2	10,829.3	38.6	39.6	145.14	347.9	-467.3	364.3	287.1	77.24	4.717	
11,050.0	10,848.7	10,887.5	10,847.7	38.6	39.7	142.47	347.9	-467.3	409.3	331.9	77.39	5.288	
11,100.0	10,862.9	10,901.8	10,861.9	38.7	39.8	137.32	347.9	-467.3	455.9	378.4	77.51	5.882	
11,150.0	10,872.9	10,911.7	10,871.9	38.7	39.8	127.92	347.9	-467.3	503.8	426.2	77.59	6.493	
11,200.0	10,878.5	10,917.4	10,877.5	38.8	39.8	110.98	347.9	-467.3	552.6	474.9	77.66	7.116	
11,240.2	10,880.0	10,918.8	10,879.0	38.9	39.8	90.00	347.9	-467.3	592.1	514.5	77.69	7.622	
11,300.0	10,880.0	10,918.8	10,879.0	39.0	39.8	90.00	347.9	-467.3	651.1	573.3	77.73	8.376	
11,400.0	10,880.0	10,918.8	10,879.0	39.3	39.8	90.00	347.9	-467.3	749.5	671.7	77.79	9.635	
11,500.0	10,880.0	10,918.8	10,879.0	39.7	39.8	90.00	347.9	-467.3	847.7	769.9	77.85	10.890	
11,528.2	10,880.0	10,918.8	10,879.0	39.8	39.8	90.00	347.9	-467.3	875.4	797.5	77.86	11.243	
11,600.0	10,880.0	10,918.8	10,879.0	40.1	39.8	90.00	347.9	-467.3	945.9	868.0	77.90	12.142	
11,700.0	10,880.0	10,918.8	10,879.0	40.6	39.8	90.00	347.9	-467.3	1,044.4	966.4	77.95	13.398	
11,800.0	10,880.0	10,918.8	10,879.0	41.1	39.8	90.00	347.9	-467.3	1,143.1	1,065.1	77.99	14.657	
11,900.0	10,880.0	10,918.8	10,879.0	41.7	39.8	90.00	347.9	-467.3	1,242.1	1,164.1	78.03	15.917	
12,000.0	10,880.0	10,918.8	10,879.0	42.4	39.8	90.00	347.9	-467.3	1,341.2	1,263.1	78.07	17.180	
12,100.0	10,880.0	13,506.6	12,254.0	43.1	47.5	180.00	-1,080.8	-284.4	1,375.0	1,333.9	41.12	33.437	
12,200.0	10,880.0	13,606.6	12,254.0	43.8	48.2	180.00	-1,180.8	-283.6	1,375.0	1,333.0	41.99	32.750	
12,300.0	10,880.0	13,706.6	12,254.0	44.7	49.0	180.00	-1,280.8	-282.8	1,375.0	1,332.1	42.89	32.060	
12,400.0	10,880.0	13,806.6	12,254.0	45.5	49.7	180.00	-1,380.8	-282.0	1,375.0	1,331.2	43.83	31.372	
12,500.0	10,880.0	13,906.6	12,254.0	46.4	50.6	180.00	-1,480.8	-281.3	1,375.0	1,330.2	44.80	30.689	
12,600.0	10,880.0	14,006.6	12,254.0	47.3	51.4	180.00	-1,580.8	-280.5	1,375.0	1,329.2	45.81	30.013	
12,700.0	10,880.0	14,106.6	12,254.0	48.3	52.3	180.00	-1,680.8	-279.7	1,375.0	1,328.1	46.85	29.347	
12,800.0	10,880.0	14,206.6	12,254.0	49.3	53.3	180.00	-1,780.8	-279.0	1,375.0	1,327.1	47.92	28.693	
12,900.0	10,880.0	14,306.6	12,254.0	50.4	54.2	180.00	-1,880.8	-278.2	1,375.0	1,326.0	49.02	28.052	
13,000.0	10,880.0	14,406.6	12,254.0	51.5	55.2	180.00	-1,980.8	-277.4	1,375.0	1,324.9	50.14	27.425	
13,100.0	10,880.0	14,506.6	12,254.0	52.6	56.3	180.00	-2,080.8	-276.7	1,375.0	1,323.7	51.28	26.814	
13,200.0	10,880.0	14,606.6	12,254.0	53.7	57.3	180.00	-2,180.8	-275.9	1,375.0	1,322.6	52.44	26.218	
13,300.0	10,880.0	14,706.6	12,254.0	54.9	58.4	180.00	-2,280.8	-275.1	1,375.0	1,321.4	53.63	25.638	
13,400.0	10,880.0	14,806.6	12,254.0	56.0	59.5	180.00	-2,380.8	-274.4	1,375.0	1,320.2	54.84	25.075	
13,500.0	10,880.0	14,906.6	12,254.0	57.3	60.6	180.00	-2,480.8	-273.6	1,375.0	1,318.9	56.06	24.528	
13,600.0	10,880.0	15,006.6	12,254.0	58.5	61.8	180.00	-2,580.8	-272.8	1,375.0	1,317.7	57.30	23.997	
13,700.0	10,880.0	15,106.6	12,254.0	59.7	63.0	180.00	-2,680.8	-272.1	1,375.0	1,316.4	58.55	23.483	
13,800.0	10,880.0	15,206.6	12,254.0	61.0	64.2	180.00	-2,780.8	-271.3	1,375.0	1,315.2	59.82	22.984	
13,900.0	10,880.0	15,306.6	12,254.0	62.3	65.4	180.00	-2,880.8	-270.5	1,375.0	1,313.9	61.11	22.501	
14,000.0	10,880.0	15,406.6	12,254.0	63.6	66.7	180.00	-2,980.8	-269.8	1,375.0	1,312.6	62.40	22.034	
14,100.0	10,880.0	15,506.6	12,254.0	64.9	67.9	180.00	-3,080.8	-269.0	1,375.0	1,311.3	63.71	21.581	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	10,880.0	15,606.6	12,254.0	66.2	69.2	180.00	-3,180.8	-268.2	1,375.0	1,310.0	65.03	21.143	
14,300.0	10,880.0	15,706.6	12,254.0	67.6	70.5	180.00	-3,280.8	-267.5	1,375.0	1,308.6	66.36	20.719	
14,400.0	10,880.0	15,806.6	12,254.0	69.0	71.8	180.00	-3,380.8	-266.7	1,375.0	1,307.3	67.71	20.308	
14,500.0	10,880.0	15,906.6	12,254.0	70.3	73.1	180.00	-3,480.8	-265.9	1,375.0	1,305.9	69.06	19.911	
14,600.0	10,880.0	16,006.6	12,254.0	71.7	74.4	180.00	-3,580.8	-265.1	1,375.0	1,304.6	70.42	19.527	
14,700.0	10,880.0	16,106.6	12,254.0	73.1	75.8	180.00	-3,680.8	-264.4	1,375.0	1,303.2	71.79	19.154	
14,800.0	10,880.0	16,206.6	12,254.0	74.5	77.2	180.00	-3,780.8	-263.6	1,375.0	1,301.8	73.16	18.794	
14,900.0	10,880.0	16,306.6	12,254.0	75.9	78.5	180.00	-3,880.8	-262.8	1,375.0	1,300.5	74.55	18.445	
15,000.0	10,880.0	16,406.6	12,254.0	77.4	79.9	180.00	-3,980.8	-262.1	1,375.0	1,299.1	75.94	18.107	
15,100.0	10,880.0	16,506.6	12,254.0	78.8	81.3	180.00	-4,080.8	-261.3	1,375.0	1,297.7	77.33	17.780	
15,200.0	10,880.0	16,606.6	12,254.0	80.3	82.7	180.00	-4,180.8	-260.5	1,375.0	1,296.3	78.74	17.463	
15,300.0	10,880.0	16,706.6	12,254.0	81.7	84.1	180.00	-4,280.7	-259.8	1,375.0	1,294.9	80.15	17.155	
15,400.0	10,880.0	16,806.6	12,254.0	83.2	85.5	180.00	-4,380.7	-259.0	1,375.0	1,293.4	81.57	16.858	
15,500.0	10,880.0	16,906.6	12,254.0	84.6	86.9	180.00	-4,480.7	-258.2	1,375.0	1,292.0	82.99	16.569	
15,600.0	10,880.0	17,006.6	12,254.0	86.1	88.4	180.00	-4,580.7	-257.5	1,375.0	1,290.6	84.41	16.289	
15,700.0	10,880.0	17,106.6	12,254.0	87.6	89.8	180.00	-4,680.7	-256.7	1,375.0	1,289.2	85.85	16.017	
15,800.0	10,880.0	17,206.6	12,254.0	89.1	91.3	180.00	-4,780.7	-255.9	1,375.0	1,287.7	87.28	15.753	
15,900.0	10,880.0	17,306.6	12,254.0	90.6	92.7	180.00	-4,880.7	-255.2	1,375.0	1,286.3	88.72	15.497	
16,000.0	10,880.0	17,406.6	12,254.0	92.1	94.2	180.00	-4,980.7	-254.4	1,375.0	1,284.8	90.17	15.249	
16,100.0	10,880.0	17,506.6	12,254.0	93.6	95.7	180.00	-5,080.7	-253.6	1,375.0	1,283.4	91.62	15.008	
16,200.0	10,880.0	17,606.6	12,254.0	95.1	97.1	180.00	-5,180.7	-252.9	1,375.0	1,281.9	93.07	14.774	
16,300.0	10,880.0	17,706.6	12,254.0	96.6	98.6	180.00	-5,280.7	-252.1	1,375.0	1,280.5	94.53	14.546	
16,400.0	10,880.0	17,806.6	12,254.0	98.1	100.1	180.00	-5,380.7	-251.3	1,375.0	1,279.0	95.99	14.324	
16,500.0	10,880.0	17,906.6	12,254.0	99.6	101.6	180.00	-5,480.7	-250.6	1,375.0	1,277.5	97.45	14.109	
16,600.0	10,880.0	18,006.6	12,254.0	101.1	103.1	180.00	-5,580.7	-249.8	1,375.0	1,276.1	98.92	13.900	
16,700.0	10,880.0	18,106.6	12,254.0	102.7	104.6	180.00	-5,680.7	-249.0	1,375.0	1,274.6	100.39	13.697	
16,800.0	10,880.0	18,206.6	12,254.0	104.2	106.1	180.00	-5,780.7	-248.2	1,375.0	1,273.1	101.86	13.498	
16,900.0	10,880.0	18,306.6	12,254.0	105.7	107.6	180.00	-5,880.7	-247.5	1,375.0	1,271.7	103.34	13.306	
17,000.0	10,880.0	18,406.6	12,254.0	107.3	109.1	180.00	-5,980.7	-246.7	1,375.0	1,270.2	104.82	13.118	
17,100.0	10,880.0	18,506.6	12,254.0	108.8	110.6	180.00	-6,080.7	-245.9	1,375.0	1,268.7	106.30	12.935	
17,200.0	10,880.0	18,606.6	12,254.0	110.4	112.1	180.00	-6,180.7	-245.2	1,375.0	1,267.2	107.78	12.757	
17,300.0	10,880.0	18,706.6	12,254.0	111.9	113.7	180.00	-6,280.7	-244.4	1,375.0	1,265.7	109.27	12.584	
17,400.0	10,880.0	18,806.6	12,254.0	113.5	115.2	180.00	-6,380.7	-243.6	1,375.0	1,264.2	110.76	12.414	
17,500.0	10,880.0	18,906.6	12,254.0	115.0	116.7	180.00	-6,480.7	-242.9	1,375.0	1,262.8	112.25	12.250	
17,600.0	10,880.0	19,006.6	12,254.0	116.6	118.3	180.00	-6,580.7	-242.1	1,375.0	1,261.3	113.74	12.089	
17,700.0	10,880.0	19,106.6	12,254.0	118.2	119.8	180.00	-6,680.7	-241.3	1,375.0	1,259.8	115.24	11.932	
17,800.0	10,880.0	19,206.6	12,254.0	119.7	121.3	180.00	-6,780.7	-240.6	1,375.0	1,258.3	116.73	11.779	
17,900.0	10,880.0	19,306.6	12,254.0	121.3	122.9	180.00	-6,880.7	-239.8	1,375.0	1,256.8	118.23	11.630	
18,000.0	10,880.0	19,406.6	12,254.0	122.8	124.4	180.00	-6,980.7	-239.0	1,375.0	1,255.3	119.73	11.484	
18,100.0	10,880.0	19,506.6	12,254.0	124.4	126.0	180.00	-7,080.7	-238.3	1,375.0	1,253.8	121.23	11.342	
18,200.0	10,880.0	19,606.6	12,254.0	126.0	127.5	180.00	-7,180.7	-237.5	1,375.0	1,252.3	122.74	11.203	
18,300.0	10,880.0	19,706.6	12,254.0	127.6	129.1	180.00	-7,280.7	-236.7	1,375.0	1,250.8	124.24	11.067	
18,400.0	10,880.0	19,806.6	12,254.0	129.1	130.6	180.00	-7,380.7	-236.0	1,375.0	1,249.2	125.75	10.934	
18,500.0	10,880.0	19,906.6	12,254.0	130.7	132.2	180.00	-7,480.7	-235.2	1,375.0	1,247.7	127.26	10.805	
18,600.0	10,880.0	20,006.6	12,254.0	132.3	133.8	180.00	-7,580.7	-234.4	1,375.0	1,246.2	128.77	10.678	
18,700.0	10,880.0	20,106.6	12,254.0	133.9	135.3	180.00	-7,680.6	-233.6	1,375.0	1,244.7	130.28	10.554	
18,800.0	10,880.0	20,206.6	12,254.0	135.5	136.9	180.00	-7,780.6	-232.9	1,375.0	1,243.2	131.79	10.433	
18,900.0	10,880.0	20,306.6	12,254.0	137.0	138.5	180.00	-7,880.6	-232.1	1,375.0	1,241.7	133.31	10.315	
19,000.0	10,880.0	20,406.6	12,254.0	138.6	140.0	180.00	-7,980.6	-231.3	1,375.0	1,240.2	134.82	10.199	
19,100.0	10,880.0	20,506.6	12,254.0	140.2	141.6	180.00	-8,080.6	-230.6	1,375.0	1,238.7	136.34	10.085	
19,200.0	10,880.0	20,606.6	12,254.0	141.8	143.2	180.00	-8,180.6	-229.8	1,375.0	1,237.1	137.86	9.974	
19,300.0	10,880.0	20,706.6	12,254.0	143.4	144.8	180.00	-8,280.6	-229.0	1,375.0	1,235.6	139.38	9.865	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	10,880.0	20,806.6	12,254.0	145.0	146.3	180.00	-8,380.6	-228.3	1,375.0	1,234.1	140.90	9.759	
19,500.0	10,880.0	20,906.6	12,254.0	146.6	147.9	180.00	-8,480.6	-227.5	1,375.0	1,232.6	142.42	9.655	
19,600.0	10,880.0	21,006.6	12,254.0	148.2	149.5	180.00	-8,580.6	-226.7	1,375.0	1,231.1	143.94	9.553	
19,700.0	10,880.0	21,106.6	12,254.0	149.8	151.1	180.00	-8,680.6	-226.0	1,375.0	1,229.5	145.46	9.453	
19,800.0	10,880.0	21,206.6	12,254.0	151.4	152.7	180.00	-8,780.6	-225.2	1,375.0	1,228.0	146.99	9.355	
19,900.0	10,880.0	21,306.6	12,254.0	153.0	154.2	180.00	-8,880.6	-224.4	1,375.0	1,226.5	148.51	9.259	
20,000.0	10,880.0	21,406.6	12,254.0	154.6	155.8	180.00	-8,980.6	-223.7	1,375.0	1,225.0	150.04	9.164	
20,100.0	10,880.0	21,506.6	12,254.0	156.2	157.4	180.00	-9,080.6	-222.9	1,375.0	1,223.4	151.56	9.072	
20,200.0	10,880.0	21,606.6	12,254.0	157.8	159.0	180.00	-9,180.6	-222.1	1,375.0	1,221.9	153.09	8.982	
20,300.0	10,880.0	21,706.6	12,254.0	159.4	160.6	180.00	-9,280.6	-221.4	1,375.0	1,220.4	154.62	8.893	
20,400.0	10,880.0	21,806.6	12,254.0	161.0	162.2	180.00	-9,380.6	-220.6	1,375.0	1,218.9	156.15	8.806	
20,500.0	10,880.0	21,906.6	12,254.0	162.6	163.8	180.00	-9,480.6	-219.8	1,375.0	1,217.3	157.68	8.720	
20,600.0	10,880.0	22,006.6	12,254.0	164.2	165.4	180.00	-9,580.6	-219.1	1,375.0	1,215.8	159.21	8.636	
20,700.0	10,880.0	22,106.6	12,254.0	165.8	167.0	180.00	-9,680.6	-218.3	1,375.0	1,214.3	160.74	8.554	
20,800.0	10,880.0	22,206.6	12,254.0	167.4	168.6	180.00	-9,780.6	-217.5	1,375.0	1,212.7	162.27	8.473	
20,900.0	10,880.0	22,306.6	12,254.0	169.0	170.2	180.00	-9,880.6	-216.7	1,375.0	1,211.2	163.81	8.394	
21,000.0	10,880.0	22,393.4	12,254.0	170.6	171.5	180.00	-9,980.6	-216.0	1,375.0	1,209.8	165.24	8.321	
21,000.1	10,880.0	22,393.5	12,254.0	170.6	171.5	180.00	-9,980.7	-216.0	1,375.0	1,209.8	165.24	8.321	
21,100.0	10,880.0	22,435.4	12,254.0	172.2	172.2	180.00	-10,022.6	-215.7	1,376.2	1,210.4	165.78	8.301	
21,182.4	10,880.0	22,435.4	12,254.0	173.4	172.2	180.00	-10,022.6	-215.7	1,382.1	1,216.9	165.20	8.366	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	-1.0	0.0	0.0	-135.47	-30.2	-29.7	42.4				
100.0	100.0	101.0	99.0	0.1	0.1	-135.47	-30.2	-29.7	42.4	42.2	0.26	163.211	
200.0	200.0	201.0	199.0	0.5	0.5	-135.47	-30.2	-29.7	42.4	41.4	0.98	43.423	
300.0	300.0	301.0	299.0	0.8	0.8	-135.47	-30.2	-29.7	42.4	40.7	1.69	25.043	
400.0	400.0	401.0	399.0	1.2	1.2	-135.47	-30.2	-29.7	42.4	40.0	2.41	17.595	
500.0	500.0	499.0	499.0	1.6	1.6	-135.47	-30.2	-29.7	42.4	39.3	3.12	13.593	
600.0	600.0	599.7	599.7	1.9	1.9	-135.65	-29.7	-29.1	41.6	37.7	3.84	10.829	
700.0	700.0	700.4	700.3	2.3	2.3	-136.22	-28.1	-27.0	39.0	34.4	4.56	8.557	
800.0	800.0	800.9	800.8	2.6	2.6	-137.38	-25.5	-23.4	34.7	29.4	5.27	6.575	
900.0	900.0	901.3	901.0	3.0	3.0	-139.57	-21.8	-18.5	28.7	22.7	5.99	4.786	
1,000.0	1,000.0	1,001.4	1,000.8	3.4	3.4	-144.22	-17.0	-12.3	21.0	14.3	6.70	3.139	
1,100.0	1,100.0	1,101.2	1,100.1	3.7	3.7	-114.93	-11.2	-4.6	12.5	5.1	7.42	1.688	
1,171.9	1,171.9	1,172.7	1,171.1	4.0	4.0	-157.02	-6.4	1.7	9.0	1.0	7.96	1.126	Level 2, CC, ES, SF
1,200.0	1,200.0	1,200.5	1,198.8	4.1	4.1	-178.72	-4.4	4.4	9.7	1.6	8.16	1.190	Level 2
1,300.0	1,299.9	1,300.7	1,296.8	4.4	4.5	142.09	3.3	14.7	20.6	11.7	8.85	2.323	
1,400.0	1,399.7	1,402.0	1,394.5	4.8	4.9	132.88	11.6	25.6	36.0	26.5	9.56	3.768	
1,500.0	1,499.4	1,503.4	1,492.1	5.1	5.3	130.63	19.9	36.5	53.0	42.7	10.29	5.149	
1,600.0	1,598.9	1,605.1	1,589.5	5.5	5.7	130.50	28.2	47.5	71.1	60.0	11.02	6.446	
1,700.0	1,698.3	1,706.9	1,686.6	5.9	6.1	131.21	36.4	58.4	90.3	78.5	11.76	7.672	
1,800.0	1,797.4	1,809.0	1,783.6	6.3	6.5	132.30	44.6	69.2	110.6	98.1	12.51	8.840	
1,900.0	1,896.4	1,888.7	1,880.4	6.6	6.8	133.45	52.8	80.1	131.6	118.4	13.18	9.984	
2,000.0	1,995.5	1,986.4	1,977.2	7.0	7.2	134.28	61.0	90.9	152.6	138.7	13.92	10.965	
2,100.0	2,094.5	2,084.2	2,074.0	7.4	7.6	134.90	69.2	101.8	173.7	159.0	14.66	11.847	
2,200.0	2,193.5	2,181.9	2,170.8	7.8	8.0	135.39	77.5	112.6	194.7	179.3	15.40	12.643	
2,300.0	2,292.5	2,279.7	2,267.5	8.2	8.4	135.79	85.7	123.5	215.8	199.6	16.15	13.364	
2,400.0	2,391.6	2,377.4	2,364.3	8.6	8.8	136.12	93.9	134.3	236.9	220.0	16.89	14.021	
2,500.0	2,490.6	2,475.2	2,461.1	9.0	9.3	136.39	102.1	145.2	258.0	240.3	17.64	14.622	
2,600.0	2,589.6	2,572.9	2,557.9	9.4	9.7	136.62	110.3	156.0	279.0	260.7	18.39	15.173	
2,700.0	2,688.6	2,670.7	2,654.7	9.8	10.1	136.82	118.5	166.9	300.1	281.0	19.14	15.680	
2,800.0	2,787.7	2,768.4	2,751.5	10.2	10.5	136.99	126.7	177.7	321.2	301.3	19.89	16.148	
2,900.0	2,886.7	2,866.1	2,848.3	10.6	10.9	137.14	134.9	188.6	342.3	321.7	20.65	16.581	
3,000.0	2,985.7	2,963.9	2,945.1	11.0	11.3	137.28	143.1	199.4	363.4	342.0	21.40	16.983	
3,100.0	3,084.8	3,061.6	3,041.9	11.4	11.7	137.40	151.3	210.3	384.5	362.4	22.15	17.357	
3,200.0	3,183.8	3,159.4	3,138.7	11.8	12.1	137.50	159.5	221.1	405.6	382.7	22.91	17.706	
3,300.0	3,282.8	3,257.1	3,235.5	12.3	12.5	137.60	167.7	231.9	426.7	403.1	23.66	18.033	
3,400.0	3,381.8	3,354.9	3,332.3	12.7	12.9	137.68	175.9	242.8	447.8	423.4	24.42	18.338	
3,500.0	3,480.9	3,452.6	3,429.1	13.1	13.3	137.76	184.1	253.6	469.0	443.8	25.18	18.626	
3,600.0	3,579.9	3,550.4	3,525.9	13.5	13.7	137.84	192.4	264.5	490.1	464.1	25.94	18.896	
3,700.0	3,678.9	3,648.1	3,622.7	13.9	14.1	137.90	200.6	275.3	511.2	484.5	26.69	19.150	
3,800.0	3,777.9	3,745.9	3,719.5	14.3	14.5	137.96	208.8	286.2	532.3	504.8	27.45	19.390	
3,900.0	3,877.0	3,843.6	3,816.3	14.7	14.9	138.02	217.0	297.0	553.4	525.2	28.21	19.617	
4,000.0	3,976.0	3,941.3	3,913.0	15.1	15.3	138.07	225.2	307.9	574.5	545.5	28.97	19.832	
4,100.0	4,075.0	4,039.1	4,009.8	15.6	15.7	138.12	233.4	318.7	595.6	565.9	29.73	20.035	
4,200.0	4,174.0	4,136.8	4,106.6	16.0	16.1	138.17	241.6	329.6	616.7	586.2	30.49	20.229	
4,300.0	4,273.1	4,234.6	4,203.4	16.4	16.6	138.21	249.8	340.4	637.8	606.6	31.25	20.412	
4,400.0	4,372.1	4,332.3	4,300.2	16.8	17.0	138.25	258.0	351.3	658.9	626.9	32.01	20.587	
4,500.0	4,471.1	4,430.1	4,397.0	17.2	17.4	138.29	266.2	362.1	680.0	647.3	32.77	20.754	
4,600.0	4,570.2	4,527.8	4,493.8	17.6	17.8	138.32	274.4	373.0	701.2	667.6	33.53	20.913	
4,700.0	4,669.2	4,625.6	4,590.6	18.0	18.2	138.35	282.6	383.8	722.3	688.0	34.29	21.064	
4,767.4	4,735.9	4,708.5	4,655.9	18.3	18.5	138.37	288.2	391.1	736.5	701.6	34.87	21.123	
4,800.0	4,768.2	4,723.3	4,687.4	18.5	18.6	138.45	290.8	394.7	743.3	708.2	35.05	21.207	
4,900.0	4,867.5	4,821.4	4,784.5	18.9	19.0	138.56	299.1	405.6	762.8	727.0	35.80	21.305	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	4,967.1	4,919.8	4,882.0	19.2	19.4	138.54	307.3	416.5	780.4	743.9	36.55	21.351	
5,100.0	5,066.9	5,018.5	4,979.7	19.6	19.8	138.37	315.6	427.4	796.1	758.8	37.29	21.349	
5,200.0	5,166.8	5,117.3	5,077.6	20.0	20.2	138.07	323.9	438.4	809.9	771.9	38.02	21.302	
5,300.7	5,267.5	5,221.4	5,180.7	20.3	20.7	91.07	332.6	449.9	821.8	783.0	38.78	21.192	
5,400.0	5,366.8	5,340.4	5,298.8	20.6	21.1	90.48	341.0	461.0	831.0	791.4	39.64	20.966	
5,500.0	5,466.8	5,461.0	5,419.0	20.9	21.6	90.05	347.2	469.3	837.8	797.4	40.47	20.704	
5,600.0	5,566.8	5,582.1	5,539.9	21.3	22.0	89.78	351.2	474.5	842.2	800.9	41.27	20.408	
5,700.0	5,666.8	5,703.5	5,661.3	21.6	22.4	89.67	352.9	476.7	844.0	802.0	42.03	20.081	
5,800.0	5,766.8	5,808.0	5,765.8	21.9	22.8	89.66	352.9	476.7	844.0	801.3	42.71	19.761	
5,900.0	5,866.8	5,908.0	5,865.8	22.3	23.1	89.66	352.9	476.7	844.0	800.7	43.38	19.455	
6,000.0	5,966.8	6,008.0	5,965.8	22.6	23.4	89.66	352.9	476.7	844.0	800.0	44.06	19.158	
6,100.0	6,066.8	6,108.0	6,065.8	22.9	23.7	89.66	352.9	476.7	844.0	799.3	44.73	18.869	
6,200.0	6,166.8	6,208.0	6,165.8	23.3	24.0	89.66	352.9	476.7	844.0	798.6	45.41	18.589	
6,300.0	6,266.8	6,308.0	6,265.8	23.6	24.4	89.66	352.9	476.7	844.0	798.0	46.08	18.315	
6,400.0	6,366.8	6,408.0	6,365.8	23.9	24.7	89.66	352.9	476.7	844.0	797.3	46.76	18.050	
6,500.0	6,466.8	6,508.0	6,465.8	24.3	25.0	89.66	352.9	476.7	844.0	796.6	47.44	17.791	
6,600.0	6,566.8	6,608.0	6,565.8	24.6	25.3	89.66	352.9	476.7	844.0	795.9	48.12	17.540	
6,700.0	6,666.8	6,708.0	6,665.8	24.9	25.7	89.66	352.9	476.7	844.0	795.2	48.80	17.295	
6,800.0	6,766.8	6,808.0	6,765.8	25.3	26.0	89.66	352.9	476.7	844.0	794.6	49.48	17.057	
6,900.0	6,866.8	6,908.0	6,865.8	25.6	26.3	89.66	352.9	476.7	844.0	793.9	50.17	16.824	
7,000.0	6,966.8	7,008.0	6,965.8	26.0	26.6	89.66	352.9	476.7	844.0	793.2	50.85	16.598	
7,100.0	7,066.8	7,108.0	7,065.8	26.3	27.0	89.66	352.9	476.7	844.0	792.5	51.54	16.377	
7,200.0	7,166.8	7,208.0	7,165.8	26.6	27.3	89.66	352.9	476.7	844.0	791.8	52.22	16.162	
7,300.0	7,266.8	7,308.0	7,265.8	27.0	27.6	89.66	352.9	476.7	844.0	791.1	52.91	15.952	
7,400.0	7,366.8	7,408.0	7,365.8	27.3	28.0	89.66	352.9	476.7	844.0	790.4	53.60	15.748	
7,500.0	7,466.8	7,508.0	7,465.8	27.7	28.3	89.66	352.9	476.7	844.0	789.8	54.29	15.548	
7,600.0	7,566.8	7,608.0	7,565.8	28.0	28.6	89.66	352.9	476.7	844.0	789.1	54.98	15.353	
7,700.0	7,666.8	7,708.0	7,665.8	28.3	29.0	89.66	352.9	476.7	844.0	788.4	55.67	15.163	
7,800.0	7,766.8	7,808.0	7,765.8	28.7	29.3	89.66	352.9	476.7	844.0	787.7	56.36	14.977	
7,900.0	7,866.8	7,908.0	7,865.8	29.0	29.6	89.66	352.9	476.7	844.0	787.0	57.05	14.796	
8,000.0	7,966.8	8,008.0	7,965.8	29.4	30.0	89.66	352.9	476.7	844.0	786.3	57.74	14.618	
8,100.0	8,066.8	8,108.0	8,065.8	29.7	30.3	89.66	352.9	476.7	844.0	785.6	58.43	14.445	
8,200.0	8,166.8	8,208.0	8,165.8	30.1	30.6	89.66	352.9	476.7	844.0	784.9	59.12	14.276	
8,300.0	8,266.8	8,308.0	8,265.8	30.4	31.0	89.66	352.9	476.7	844.0	784.2	59.82	14.110	
8,400.0	8,366.8	8,408.0	8,365.8	30.7	31.3	89.66	352.9	476.7	844.0	783.5	60.51	13.948	
8,500.0	8,466.8	8,508.0	8,465.8	31.1	31.6	89.66	352.9	476.7	844.0	782.8	61.21	13.790	
8,600.0	8,566.8	8,608.0	8,565.8	31.4	32.0	89.66	352.9	476.7	844.0	782.1	61.90	13.635	
8,700.0	8,666.8	8,708.0	8,665.8	31.8	32.3	89.66	352.9	476.7	844.0	781.4	62.60	13.484	
8,800.0	8,766.8	8,808.0	8,765.8	32.1	32.7	89.66	352.9	476.7	844.0	780.7	63.29	13.336	
8,900.0	8,866.8	8,908.0	8,865.8	32.5	33.0	89.66	352.9	476.7	844.0	780.1	63.99	13.190	
9,000.0	8,966.8	9,008.0	8,965.8	32.8	33.3	89.66	352.9	476.7	844.0	779.4	64.69	13.048	
9,100.0	9,066.8	9,108.0	9,065.8	33.2	33.7	89.66	352.9	476.7	844.0	778.7	65.38	12.909	
9,200.0	9,166.8	9,208.0	9,165.8	33.5	34.0	89.66	352.9	476.7	844.0	778.0	66.08	12.773	
9,300.0	9,266.8	9,308.0	9,265.8	33.9	34.4	89.66	352.9	476.7	844.0	777.3	66.78	12.639	
9,400.0	9,366.8	9,408.0	9,365.8	34.2	34.7	89.66	352.9	476.7	844.0	776.6	67.48	12.508	
9,500.0	9,466.8	9,508.0	9,465.8	34.6	35.0	89.66	352.9	476.7	844.0	775.9	68.18	12.380	
9,600.0	9,566.8	9,608.0	9,565.8	34.9	35.4	89.66	352.9	476.7	844.0	775.2	68.88	12.254	
9,700.0	9,666.8	9,708.0	9,665.8	35.2	35.7	89.66	352.9	476.7	844.0	774.5	69.58	12.131	
9,800.0	9,766.8	9,808.0	9,765.8	35.6	36.1	89.66	352.9	476.7	844.0	773.8	70.28	12.010	
9,900.0	9,866.8	9,908.0	9,865.8	35.9	36.4	89.66	352.9	476.7	844.0	773.1	70.98	11.892	
10,000.0	9,966.8	10,008.0	9,965.8	36.3	36.8	89.66	352.9	476.7	844.0	772.4	71.68	11.776	
10,100.0	10,066.8	10,108.0	10,065.8	36.6	37.1	89.66	352.9	476.7	844.0	771.7	72.38	11.661	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,200.0	10,166.8	10,208.0	10,165.8	37.0	37.4	89.66	352.9	476.7	844.0	771.0	73.08	11.550	
10,300.0	10,266.8	10,308.0	10,265.8	37.3	37.8	89.66	352.9	476.7	844.0	770.3	73.78	11.440	
10,340.2	10,307.0	10,348.2	10,306.0	37.5	37.9	89.66	352.9	476.7	844.0	770.0	74.06	11.396	
10,350.0	10,316.8	10,358.0	10,315.8	37.5	38.0	-84.14	352.9	476.7	844.0	769.9	74.13	11.386	
10,400.0	10,366.7	10,407.9	10,365.7	37.7	38.1	-84.38	352.9	476.7	843.7	769.3	74.46	11.332	
10,450.0	10,416.1	10,457.4	10,415.1	37.8	38.3	-84.94	352.9	476.7	843.0	768.3	74.77	11.275	
10,500.0	10,464.7	10,506.0	10,463.7	37.9	38.5	-85.80	352.9	476.7	842.1	767.0	75.07	11.217	
10,550.0	10,512.1	10,553.4	10,511.1	38.1	38.6	-86.93	352.9	476.7	841.0	765.7	75.35	11.161	
10,600.0	10,558.0	10,600.8	10,557.0	38.2	38.8	-88.26	352.9	476.7	840.1	764.5	75.62	11.109	
10,650.0	10,601.9	10,643.2	10,600.9	38.3	38.9	-89.74	352.9	476.7	839.6	763.8	75.87	11.068	
10,658.6	10,609.2	10,650.5	10,608.2	38.3	39.0	-90.00	352.9	476.7	839.6	763.7	75.91	11.062	
10,700.0	10,643.6	10,684.8	10,642.6	38.3	39.1	-91.28	352.9	476.7	839.9	763.8	76.10	11.038	
10,750.0	10,682.7	10,724.0	10,681.7	38.4	39.2	-92.79	352.9	476.7	841.4	765.1	76.31	11.026	
10,800.0	10,719.0	10,760.2	10,718.0	38.5	39.3	-94.19	352.9	476.7	844.3	767.8	76.51	11.035	
10,850.0	10,752.1	10,806.6	10,751.1	38.5	39.5	-95.40	352.9	476.7	849.0	772.3	76.73	11.065	
10,900.0	10,781.9	10,823.1	10,780.9	38.6	39.6	-96.32	352.9	476.7	855.9	779.1	76.85	11.137	
10,950.0	10,808.0	10,849.3	10,807.0	38.6	39.6	-96.88	352.9	476.7	865.2	788.2	77.00	11.236	
11,000.0	10,830.3	10,871.6	10,829.3	38.6	39.7	-97.01	352.9	476.7	877.1	799.9	77.14	11.370	
11,050.0	10,848.7	10,889.9	10,847.7	38.6	39.8	-96.64	352.9	476.7	891.6	814.4	77.25	11.542	
11,100.0	10,862.9	10,904.1	10,861.9	38.7	39.8	-95.73	352.9	476.7	908.9	831.5	77.35	11.750	
11,150.0	10,872.9	10,914.1	10,871.9	38.7	39.9	-94.24	352.9	476.7	928.7	851.3	77.43	11.994	
11,200.0	10,878.5	10,919.8	10,877.5	38.8	39.9	-92.14	352.9	476.7	951.0	873.5	77.49	12.273	
11,240.2	10,880.0	10,921.2	10,879.0	38.9	39.9	-90.00	352.9	476.7	970.5	893.0	77.52	12.520	
11,300.0	10,880.0	10,921.2	10,879.0	39.0	39.9	-90.00	352.9	476.7	1,002.4	924.8	77.56	12.924	
11,400.0	10,880.0	10,921.2	10,879.0	39.3	39.9	-90.00	352.9	476.7	1,063.2	985.6	77.64	13.693	
11,500.0	10,880.0	10,921.2	10,879.0	39.7	39.9	-90.00	352.9	476.7	1,132.1	1,054.4	77.73	14.565	
11,528.2	10,880.0	10,921.2	10,879.0	39.8	39.9	-90.00	352.9	476.7	1,152.8	1,075.1	77.75	14.826	
11,600.0	10,880.0	10,921.2	10,879.0	40.1	39.9	-90.00	352.9	476.7	1,207.1	1,129.3	77.81	15.513	
11,700.0	10,880.0	10,921.2	10,879.0	40.6	39.9	-90.00	352.9	476.7	1,285.5	1,207.6	77.89	16.504	
11,800.0	10,880.0	10,921.2	10,879.0	41.1	39.9	-90.00	352.9	476.7	1,366.8	1,288.8	77.97	17.529	
11,900.0	10,880.0	10,921.2	10,879.0	41.7	39.9	-90.00	352.9	476.7	1,450.4	1,372.4	78.05	18.583	
12,000.0	10,880.0	10,921.2	10,879.0	42.4	39.9	-90.00	352.9	476.7	1,536.0	1,457.9	78.12	19.662	
12,100.0	10,880.0	10,921.2	10,879.0	43.1	39.9	-90.00	352.9	476.7	1,623.2	1,545.1	78.19	20.760	
12,200.0	10,880.0	10,921.2	10,879.0	43.8	39.9	-90.00	352.9	476.7	1,711.9	1,633.6	78.26	21.875	
12,300.0	10,880.0	10,921.2	10,879.0	44.7	39.9	-90.00	352.9	476.7	1,801.7	1,723.4	78.32	23.005	
12,400.0	10,880.0	14,142.5	12,611.0	45.5	50.5	-159.13	-1,375.8	378.3	1,853.6	1,800.0	53.63	34.564	
12,500.0	10,880.0	14,242.5	12,611.0	46.4	51.2	-159.13	-1,475.8	379.1	1,853.6	1,798.9	54.69	33.894	
12,600.0	10,880.0	14,342.5	12,611.0	47.3	52.1	-159.13	-1,575.8	379.8	1,853.6	1,797.8	55.79	33.224	
12,700.0	10,880.0	14,442.5	12,611.0	48.3	52.9	-159.13	-1,675.8	380.6	1,853.6	1,796.7	56.93	32.557	
12,800.0	10,880.0	14,542.5	12,611.0	49.3	53.8	-159.13	-1,775.8	381.3	1,853.6	1,795.5	58.12	31.895	
12,900.0	10,880.0	14,642.5	12,611.0	50.4	54.8	-159.13	-1,875.8	382.1	1,853.6	1,794.3	59.33	31.241	
13,000.0	10,880.0	14,742.5	12,611.0	51.5	55.7	-159.13	-1,975.8	382.9	1,853.6	1,793.0	60.58	30.595	
13,100.0	10,880.0	14,842.5	12,611.0	52.6	56.7	-159.13	-2,075.8	383.6	1,853.6	1,791.7	61.87	29.961	
13,200.0	10,880.0	14,942.5	12,611.0	53.7	57.8	-159.13	-2,175.8	384.4	1,853.6	1,790.4	63.18	29.339	
13,300.0	10,880.0	15,042.5	12,611.0	54.9	58.8	-159.13	-2,275.8	385.2	1,853.6	1,789.1	64.52	28.729	
13,400.0	10,880.0	15,142.5	12,611.0	56.0	59.9	-159.13	-2,375.8	385.9	1,853.6	1,787.7	65.89	28.133	
13,500.0	10,880.0	15,242.5	12,611.0	57.3	61.0	-159.13	-2,475.8	386.7	1,853.6	1,786.3	67.28	27.552	
13,600.0	10,880.0	15,342.5	12,611.0	58.5	62.1	-159.13	-2,575.8	387.4	1,853.6	1,784.9	68.69	26.984	
13,700.0	10,880.0	15,442.5	12,611.0	59.7	63.3	-159.13	-2,675.8	388.2	1,853.6	1,783.5	70.13	26.432	
13,800.0	10,880.0	15,542.5	12,611.0	61.0	64.5	-159.13	-2,775.8	389.0	1,853.6	1,782.0	71.58	25.894	
13,900.0	10,880.0	15,642.5	12,611.0	62.3	65.7	-159.13	-2,875.7	389.7	1,853.6	1,780.5	73.06	25.371	
14,000.0	10,880.0	15,742.5	12,611.0	63.6	66.9	-159.13	-2,975.7	390.5	1,853.6	1,779.0	74.55	24.862	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,100.0	10,880.0	15,842.5	12,611.0	64.9	68.1	-159.13	-3,075.7	391.3	1,853.6	1,777.5	76.06	24.368	
14,200.0	10,880.0	15,942.5	12,611.0	66.2	69.4	-159.13	-3,175.7	392.0	1,853.6	1,776.0	77.59	23.889	
14,300.0	10,880.0	16,042.5	12,611.0	67.6	70.6	-159.13	-3,275.7	392.8	1,853.6	1,774.4	79.13	23.423	
14,400.0	10,880.0	16,142.5	12,611.0	69.0	71.9	-159.13	-3,375.7	393.6	1,853.6	1,772.9	80.69	22.972	
14,500.0	10,880.0	16,242.5	12,611.0	70.3	73.2	-159.13	-3,475.7	394.3	1,853.6	1,771.3	82.26	22.533	
14,600.0	10,880.0	16,342.5	12,611.0	71.7	74.5	-159.13	-3,575.7	395.1	1,853.6	1,769.7	83.84	22.108	
14,700.0	10,880.0	16,442.5	12,611.0	73.1	75.9	-159.13	-3,675.7	395.8	1,853.6	1,768.1	85.44	21.695	
14,800.0	10,880.0	16,542.5	12,611.0	74.5	77.2	-159.13	-3,775.7	396.6	1,853.6	1,766.5	87.04	21.295	
14,900.0	10,880.0	16,642.5	12,611.0	75.9	78.5	-159.13	-3,875.7	397.4	1,853.6	1,764.9	88.66	20.907	
15,000.0	10,880.0	16,742.5	12,611.0	77.4	79.9	-159.13	-3,975.7	398.1	1,853.6	1,763.3	90.29	20.530	
15,100.0	10,880.0	16,842.5	12,611.0	78.8	81.3	-159.13	-4,075.7	398.9	1,853.6	1,761.6	91.92	20.164	
15,200.0	10,880.0	16,942.5	12,611.0	80.3	82.7	-159.13	-4,175.7	399.7	1,853.6	1,760.0	93.57	19.810	
15,300.0	10,880.0	17,042.5	12,611.0	81.7	84.1	-159.13	-4,275.7	400.4	1,853.6	1,758.3	95.22	19.466	
15,400.0	10,880.0	17,142.5	12,611.0	83.2	85.5	-159.13	-4,375.7	401.2	1,853.6	1,756.7	96.88	19.132	
15,500.0	10,880.0	17,242.5	12,611.0	84.6	86.9	-159.13	-4,475.7	402.0	1,853.6	1,755.0	98.56	18.807	
15,600.0	10,880.0	17,342.5	12,611.0	86.1	88.3	-159.13	-4,575.7	402.7	1,853.6	1,753.3	100.23	18.493	
15,700.0	10,880.0	17,442.5	12,611.0	87.6	89.7	-159.13	-4,675.7	403.5	1,853.6	1,751.6	101.92	18.187	
15,800.0	10,880.0	17,542.5	12,611.0	89.1	91.1	-159.14	-4,775.7	404.2	1,853.6	1,749.9	103.61	17.890	
15,900.0	10,880.0	17,642.5	12,611.0	90.6	92.6	-159.14	-4,875.7	405.0	1,853.5	1,748.2	105.31	17.602	
16,000.0	10,880.0	17,742.5	12,611.0	92.1	94.0	-159.14	-4,975.7	405.8	1,853.5	1,746.5	107.01	17.321	
16,100.0	10,880.0	17,842.5	12,611.0	93.6	95.5	-159.14	-5,075.7	406.5	1,853.5	1,744.8	108.72	17.049	
16,200.0	10,880.0	17,942.5	12,611.0	95.1	97.0	-159.14	-5,175.7	407.3	1,853.5	1,743.1	110.43	16.784	
16,300.0	10,880.0	18,042.5	12,611.0	96.6	98.4	-159.14	-5,275.7	408.1	1,853.5	1,741.4	112.15	16.527	
16,400.0	10,880.0	18,142.5	12,611.0	98.1	99.9	-159.14	-5,375.7	408.8	1,853.5	1,739.7	113.88	16.276	
16,500.0	10,880.0	18,242.5	12,611.0	99.6	101.4	-159.14	-5,475.7	409.6	1,853.5	1,737.9	115.61	16.033	
16,600.0	10,880.0	18,342.5	12,611.0	101.1	102.9	-159.14	-5,575.7	410.3	1,853.5	1,736.2	117.35	15.796	
16,700.0	10,880.0	18,442.5	12,611.0	102.7	104.4	-159.14	-5,675.7	411.1	1,853.5	1,734.5	119.08	15.565	
16,800.0	10,880.0	18,542.5	12,611.0	104.2	105.8	-159.14	-5,775.7	411.9	1,853.5	1,732.7	120.83	15.340	
16,900.0	10,880.0	18,642.5	12,611.0	105.7	107.3	-159.14	-5,875.7	412.6	1,853.5	1,731.0	122.57	15.122	
17,000.0	10,880.0	18,742.5	12,611.0	107.3	108.8	-159.14	-5,975.7	413.4	1,853.5	1,729.2	124.33	14.909	
17,100.0	10,880.0	18,842.5	12,611.0	108.8	110.4	-159.14	-6,075.7	414.2	1,853.5	1,727.4	126.08	14.701	
17,200.0	10,880.0	18,942.5	12,611.0	110.4	111.9	-159.14	-6,175.7	414.9	1,853.5	1,725.7	127.84	14.499	
17,300.0	10,880.0	19,042.5	12,611.0	111.9	113.4	-159.14	-6,275.6	415.7	1,853.5	1,723.9	129.60	14.302	
17,400.0	10,880.0	19,142.5	12,611.0	113.5	114.9	-159.14	-6,375.6	416.5	1,853.5	1,722.2	131.37	14.110	
17,500.0	10,880.0	19,242.5	12,611.0	115.0	116.4	-159.14	-6,475.6	417.2	1,853.5	1,720.4	133.13	13.922	
17,600.0	10,880.0	19,342.5	12,611.0	116.6	118.0	-159.14	-6,575.6	418.0	1,853.5	1,718.6	134.91	13.739	
17,700.0	10,880.0	19,442.5	12,611.0	118.2	119.5	-159.14	-6,675.6	418.7	1,853.5	1,716.8	136.68	13.561	
17,800.0	10,880.0	19,542.5	12,611.0	119.7	121.0	-159.14	-6,775.6	419.5	1,853.5	1,715.1	138.46	13.387	
17,900.0	10,880.0	19,642.5	12,611.0	121.3	122.6	-159.14	-6,875.6	420.3	1,853.5	1,713.3	140.24	13.217	
18,000.0	10,880.0	19,742.5	12,611.0	122.8	124.1	-159.14	-6,975.6	421.0	1,853.5	1,711.5	142.02	13.051	
18,100.0	10,880.0	19,842.5	12,611.0	124.4	125.6	-159.14	-7,075.6	421.8	1,853.5	1,709.7	143.80	12.889	
18,200.0	10,880.0	19,942.5	12,611.0	126.0	127.2	-159.14	-7,175.6	422.6	1,853.5	1,707.9	145.59	12.731	
18,300.0	10,880.0	20,042.5	12,611.0	127.6	128.7	-159.14	-7,275.6	423.3	1,853.5	1,706.1	147.38	12.577	
18,400.0	10,880.0	20,142.5	12,611.0	129.1	130.3	-159.14	-7,375.6	424.1	1,853.5	1,704.3	149.17	12.425	
18,500.0	10,880.0	20,242.5	12,611.0	130.7	131.8	-159.14	-7,475.6	424.8	1,853.5	1,702.5	150.96	12.278	
18,600.0	10,880.0	20,342.5	12,611.0	132.3	133.4	-159.14	-7,575.6	425.6	1,853.5	1,700.7	152.76	12.133	
18,700.0	10,880.0	20,442.5	12,611.0	133.9	134.9	-159.14	-7,675.6	426.4	1,853.5	1,698.9	154.56	11.992	
18,800.0	10,880.0	20,542.5	12,611.0	135.5	136.5	-159.14	-7,775.6	427.1	1,853.5	1,697.1	156.36	11.854	
18,900.0	10,880.0	20,642.5	12,611.0	137.0	138.1	-159.14	-7,875.6	427.9	1,853.5	1,695.3	158.16	11.719	
19,000.0	10,880.0	20,742.5	12,611.0	138.6	139.6	-159.14	-7,975.6	428.7	1,853.5	1,693.5	159.96	11.587	
19,100.0	10,880.0	20,842.5	12,611.0	140.2	141.2	-159.14	-8,075.6	429.4	1,853.5	1,691.7	161.77	11.458	
19,200.0	10,880.0	20,942.5	12,611.0	141.8	142.8	-159.14	-8,175.6	430.2	1,853.5	1,689.9	163.57	11.331	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
19,300.0	10,880.0	21,042.5	12,611.0	143.4	144.3	-159.14	-8,275.6	431.0	1,853.5	1,688.1	165.38	11.207	
19,400.0	10,880.0	21,142.5	12,611.0	145.0	145.9	-159.14	-8,375.6	431.7	1,853.5	1,686.3	167.19	11.086	
19,500.0	10,880.0	21,242.5	12,611.0	146.6	147.5	-159.14	-8,475.6	432.5	1,853.5	1,684.5	169.00	10.967	
19,600.0	10,880.0	21,342.5	12,611.0	148.2	149.1	-159.14	-8,575.6	433.2	1,853.5	1,682.7	170.81	10.851	
19,700.0	10,880.0	21,442.5	12,611.0	149.8	150.6	-159.14	-8,675.6	434.0	1,853.5	1,680.9	172.63	10.737	
19,800.0	10,880.0	21,542.5	12,611.0	151.4	152.2	-159.14	-8,775.6	434.8	1,853.5	1,679.0	174.44	10.625	
19,900.0	10,880.0	21,642.5	12,611.0	153.0	153.8	-159.14	-8,875.6	435.5	1,853.5	1,677.2	176.26	10.516	
20,000.0	10,880.0	21,742.5	12,611.0	154.6	155.4	-159.14	-8,975.6	436.3	1,853.5	1,675.4	178.08	10.408	
20,100.0	10,880.0	21,842.5	12,611.0	156.2	157.0	-159.14	-9,075.6	437.1	1,853.5	1,673.6	179.90	10.303	
20,200.0	10,880.0	21,942.5	12,611.0	157.8	158.5	-159.14	-9,175.6	437.8	1,853.5	1,671.8	181.72	10.200	
20,300.0	10,880.0	22,042.5	12,611.0	159.4	160.1	-159.14	-9,275.6	438.6	1,853.5	1,669.9	183.54	10.098	
20,400.0	10,880.0	22,142.5	12,611.0	161.0	161.7	-159.14	-9,375.6	439.3	1,853.5	1,668.1	185.36	9.999	
20,500.0	10,880.0	22,242.5	12,611.0	162.6	163.3	-159.14	-9,475.6	440.1	1,853.5	1,666.3	187.19	9.902	
20,600.0	10,880.0	22,342.5	12,611.0	164.2	164.9	-159.14	-9,575.6	440.9	1,853.5	1,664.5	189.01	9.806	
20,700.0	10,880.0	22,442.5	12,611.0	165.8	166.5	-159.14	-9,675.5	441.6	1,853.5	1,662.6	190.84	9.712	
20,800.0	10,880.0	22,542.5	12,611.0	167.4	168.1	-159.14	-9,775.5	442.4	1,853.5	1,660.8	192.67	9.620	
20,900.0	10,880.0	22,642.5	12,611.0	169.0	169.7	-159.14	-9,875.5	443.2	1,853.5	1,659.0	194.49	9.530	
21,000.0	10,880.0	22,742.5	12,611.0	170.6	171.3	-159.14	-9,975.5	443.9	1,853.5	1,657.1	196.32	9.441	
21,046.0	10,880.0	22,788.6	12,611.0	171.4	172.0	-159.14	-10,021.6	444.3	1,853.5	1,656.3	197.17	9.401	
21,100.0	10,880.0	22,785.1	12,611.0	172.2	171.9	-159.14	-10,018.2	444.3	1,854.3	1,657.0	197.31	9.398	
21,182.4	10,880.0	22,785.1	12,611.0	173.4	171.9	-159.14	-10,018.2	444.3	1,858.7	1,661.5	197.22	9.425	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	1.0	1.0	0.0	0.0	99.61	-28.8	170.3	172.7				
100.0	100.0	101.0	101.0	0.1	0.1	99.61	-28.8	170.3	172.7	172.4	0.26	664.465	
200.0	200.0	201.0	201.0	0.5	0.5	99.61	-28.8	170.3	172.7	171.7	0.98	176.784	
300.0	300.0	301.0	301.0	0.8	0.8	99.61	-28.8	170.3	172.7	171.0	1.69	101.955	
400.0	400.0	401.0	401.0	1.2	1.2	99.61	-28.8	170.3	172.7	170.3	2.41	71.634	
500.0	500.0	501.0	501.0	1.6	1.6	99.61	-28.8	170.3	172.7	169.6	3.13	55.213	
600.0	600.0	601.0	601.0	1.9	1.9	99.61	-28.8	170.3	172.7	168.8	3.84	44.917	
700.0	700.0	701.0	701.0	2.3	2.3	99.61	-28.8	170.3	172.7	168.1	4.56	37.858	
800.0	800.0	801.0	801.0	2.6	2.6	99.61	-28.8	170.3	172.7	167.4	5.28	32.716	
900.0	900.0	901.0	901.0	3.0	3.0	99.61	-28.8	170.3	172.7	166.7	6.00	28.803	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	99.61	-28.8	170.3	172.7	166.0	6.71	25.727	CC, ES
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	146.32	-28.8	170.3	173.4	166.0	7.43	23.351	
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	146.78	-28.8	170.3	175.6	167.5	8.14	21.576	
1,300.0	1,299.9	1,300.9	1,300.9	4.4	4.4	147.52	-28.8	170.3	179.3	170.4	8.85	20.253	
1,400.0	1,399.7	1,400.7	1,400.7	4.8	4.8	148.52	-28.8	170.3	184.4	174.9	9.56	19.285	
1,500.0	1,499.4	1,500.4	1,500.4	5.1	5.1	149.71	-28.8	170.3	191.2	180.9	10.28	18.601	
1,600.0	1,598.9	1,601.0	1,601.0	5.5	5.5	150.83	-27.9	170.2	199.2	188.2	11.00	18.119	
1,700.0	1,698.3	1,701.7	1,701.7	5.9	5.9	151.62	-25.3	170.0	208.3	196.6	11.72	17.782	
1,800.0	1,797.4	1,802.5	1,802.3	6.3	6.2	152.12	-20.9	169.7	218.4	205.9	12.44	17.560	
1,900.0	1,896.4	1,903.3	1,903.0	6.6	6.6	152.31	-14.7	169.2	228.6	215.5	13.16	17.373	
2,000.0	1,995.5	2,004.2	2,003.6	7.0	7.0	152.07	-6.7	168.7	238.3	224.4	13.89	17.158	
2,100.0	2,094.5	2,105.2	2,104.1	7.4	7.3	151.47	3.0	168.0	247.3	232.7	14.62	16.919	
2,200.0	2,193.5	2,206.2	2,204.4	7.8	7.7	150.52	14.5	167.1	255.9	240.5	15.36	16.661	
2,300.0	2,292.5	2,307.1	2,304.4	8.2	8.1	149.28	27.8	166.2	263.9	247.8	16.10	16.390	
2,400.0	2,391.6	2,406.5	2,402.9	8.6	8.4	147.97	41.6	165.2	271.9	255.1	16.85	16.135	
2,500.0	2,490.6	2,506.0	2,501.4	9.0	8.8	146.73	55.4	164.1	280.0	262.4	17.61	15.903	
2,600.0	2,589.6	2,605.5	2,599.9	9.4	9.2	145.57	69.2	163.1	288.3	269.9	18.37	15.693	
2,700.0	2,688.6	2,705.0	2,698.5	9.8	9.6	144.47	83.0	162.1	296.6	277.5	19.13	15.502	
2,800.0	2,787.7	2,804.5	2,797.0	10.2	10.0	143.43	96.8	161.1	305.1	285.1	19.90	15.327	
2,900.0	2,886.7	2,904.0	2,895.5	10.6	10.4	142.45	110.6	160.1	313.6	292.9	20.68	15.167	
3,000.0	2,985.7	3,003.5	2,994.0	11.0	10.7	141.52	124.4	159.1	322.2	300.8	21.45	15.020	
3,100.0	3,084.8	3,103.0	3,092.6	11.4	11.1	140.63	138.2	158.1	330.9	308.7	22.23	14.885	
3,200.0	3,183.8	3,202.5	3,191.1	11.8	11.5	139.80	152.0	157.1	339.7	316.7	23.02	14.760	
3,300.0	3,282.8	3,301.9	3,289.6	12.3	11.9	139.00	165.9	156.1	348.6	324.8	23.80	14.645	
3,400.0	3,381.8	3,401.4	3,388.1	12.7	12.3	138.25	179.7	155.1	357.5	332.9	24.59	14.538	
3,500.0	3,480.9	3,500.9	3,486.7	13.1	12.7	137.53	193.5	154.1	366.5	341.1	25.38	14.439	
3,600.0	3,579.9	3,600.4	3,585.2	13.5	13.1	136.84	207.3	153.1	375.5	349.3	26.17	14.346	
3,700.0	3,678.9	3,700.1	3,683.7	13.9	13.5	136.19	221.1	152.1	384.6	357.6	26.97	14.260	
3,800.0	3,777.9	3,800.6	3,782.2	14.3	13.9	135.57	234.9	151.1	393.7	365.9	27.77	14.178	
3,900.0	3,877.0	3,901.1	3,880.8	14.7	14.3	134.98	248.7	150.1	402.9	374.3	28.57	14.101	
4,000.0	3,976.0	4,001.6	3,979.3	15.1	14.7	134.41	262.5	149.1	412.1	382.7	29.37	14.029	
4,100.0	4,075.0	4,102.1	4,077.8	15.6	15.1	133.87	276.3	148.1	421.3	391.2	30.18	13.962	
4,200.0	4,174.0	4,202.6	4,176.3	16.0	15.6	133.35	290.1	147.1	430.6	399.6	30.98	13.898	
4,300.0	4,273.1	4,303.1	4,274.9	16.4	16.0	132.85	304.0	146.1	439.9	408.2	31.79	13.839	
4,400.0	4,372.1	4,396.4	4,373.4	16.8	16.3	132.39	317.6	145.1	449.3	416.7	32.57	13.796	
4,500.0	4,471.1	4,495.9	4,472.2	17.2	16.7	132.22	329.2	144.3	458.7	425.3	33.36	13.751	
4,600.0	4,570.2	4,595.4	4,571.3	17.6	17.1	132.36	338.3	143.6	468.1	433.9	34.13	13.715	
4,700.0	4,669.2	4,694.8	4,670.5	18.0	17.5	132.82	344.7	143.1	477.5	442.6	34.88	13.691	
4,767.4	4,735.9	4,761.6	4,737.3	18.3	17.7	133.28	347.6	142.9	483.9	448.5	35.37	13.681	
4,800.0	4,768.2	4,793.9	4,769.5	18.5	17.8	133.58	348.6	142.8	486.9	451.3	35.60	13.675	
4,900.0	4,867.5	4,892.9	4,868.5	18.9	18.2	134.49	349.9	142.7	495.1	458.8	36.31	13.636	
5,000.0	4,967.1	5,007.5	4,968.1	19.2	18.6	135.31	349.9	142.7	501.5	464.5	37.05	13.538	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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	5,066.9	5,107.7	5,067.9	19.6	18.9	135.88	349.9	142.7	506.2	468.5	37.73	13.416	
5,200.0	5,166.8	5,207.8	5,167.8	20.0	19.2	136.21	349.9	142.7	509.1	470.7	38.42	13.251	
5,300.7	5,267.5	5,307.1	5,268.5	20.3	19.6	89.78	349.9	142.7	510.0	470.9	39.10	13.045	
5,400.0	5,366.8	5,407.8	5,367.8	20.6	19.9	89.78	349.9	142.7	510.0	470.3	39.77	12.823	
5,500.0	5,466.8	5,507.8	5,467.8	20.9	20.3	89.78	349.9	142.7	510.0	469.6	40.45	12.608	
5,600.0	5,566.8	5,607.8	5,567.8	21.3	20.6	89.78	349.9	142.7	510.0	468.9	41.13	12.400	
5,700.0	5,666.8	5,707.8	5,667.8	21.6	20.9	89.78	349.9	142.7	510.0	468.2	41.81	12.198	
5,800.0	5,766.8	5,807.8	5,767.8	21.9	21.3	89.78	349.9	142.7	510.0	467.5	42.49	12.002	
5,900.0	5,866.8	5,907.8	5,867.8	22.3	21.6	89.78	349.9	142.7	510.0	466.9	43.18	11.812	
6,000.0	5,966.8	6,007.8	5,967.8	22.6	22.0	89.78	349.9	142.7	510.0	466.2	43.86	11.628	
6,100.0	6,066.8	6,107.8	6,067.8	22.9	22.3	89.78	349.9	142.7	510.0	465.5	44.55	11.449	
6,200.0	6,166.8	6,207.8	6,167.8	23.3	22.7	89.78	349.9	142.7	510.0	464.8	45.23	11.276	
6,300.0	6,266.8	6,307.8	6,267.8	23.6	23.0	89.78	349.9	142.7	510.0	464.1	45.92	11.107	
6,400.0	6,366.8	6,407.8	6,367.8	23.9	23.4	89.78	349.9	142.7	510.0	463.4	46.61	10.943	
6,500.0	6,466.8	6,507.8	6,467.8	24.3	23.7	89.78	349.9	142.7	510.0	462.7	47.30	10.784	
6,600.0	6,566.8	6,607.8	6,567.8	24.6	24.1	89.78	349.9	142.7	510.0	462.0	47.99	10.629	
6,700.0	6,666.8	6,707.8	6,667.8	24.9	24.4	89.78	349.9	142.7	510.0	461.4	48.68	10.478	
6,800.0	6,766.8	6,807.8	6,767.8	25.3	24.7	89.78	349.9	142.7	510.0	460.7	49.37	10.331	
6,900.0	6,866.8	6,907.8	6,867.8	25.6	25.1	89.78	349.9	142.7	510.0	460.0	50.06	10.188	
7,000.0	6,966.8	7,007.8	6,967.8	26.0	25.4	89.78	349.9	142.7	510.0	459.3	50.75	10.049	
7,100.0	7,066.8	7,107.8	7,067.8	26.3	25.8	89.78	349.9	142.7	510.0	458.6	51.45	9.914	
7,200.0	7,166.8	7,207.8	7,167.8	26.6	26.1	89.78	349.9	142.7	510.0	457.9	52.14	9.782	
7,300.0	7,266.8	7,307.8	7,267.8	27.0	26.5	89.78	349.9	142.7	510.0	457.2	52.84	9.653	
7,400.0	7,366.8	7,407.8	7,367.8	27.3	26.8	89.78	349.9	142.7	510.0	456.5	53.53	9.528	
7,500.0	7,466.8	7,507.8	7,467.8	27.7	27.2	89.78	349.9	142.7	510.0	455.8	54.23	9.406	
7,600.0	7,566.8	7,607.8	7,567.8	28.0	27.5	89.78	349.9	142.7	510.0	455.1	54.92	9.286	
7,700.0	7,666.8	7,707.8	7,667.8	28.3	27.9	89.78	349.9	142.7	510.0	454.4	55.62	9.170	
7,800.0	7,766.8	7,807.8	7,767.8	28.7	28.2	89.78	349.9	142.7	510.0	453.7	56.32	9.057	
7,900.0	7,866.8	7,907.8	7,867.8	29.0	28.6	89.78	349.9	142.7	510.0	453.0	57.01	8.946	
8,000.0	7,966.8	8,007.8	7,967.8	29.4	28.9	89.78	349.9	142.7	510.0	452.3	57.71	8.838	
8,100.0	8,066.8	8,107.8	8,067.8	29.7	29.3	89.78	349.9	142.7	510.0	451.6	58.41	8.732	
8,200.0	8,166.8	8,207.8	8,167.8	30.1	29.6	89.78	349.9	142.7	510.0	450.9	59.11	8.629	
8,300.0	8,266.8	8,307.8	8,267.8	30.4	30.0	89.78	349.9	142.7	510.0	450.2	59.81	8.528	
8,400.0	8,366.8	8,407.8	8,367.8	30.7	30.3	89.78	349.9	142.7	510.0	449.5	60.51	8.429	
8,500.0	8,466.8	8,507.8	8,467.8	31.1	30.7	89.78	349.9	142.7	510.0	448.8	61.21	8.332	
8,600.0	8,566.8	8,607.8	8,567.8	31.4	31.0	89.78	349.9	142.7	510.0	448.1	61.91	8.238	
8,700.0	8,666.8	8,707.8	8,667.8	31.8	31.4	89.78	349.9	142.7	510.0	447.4	62.61	8.146	
8,800.0	8,766.8	8,807.8	8,767.8	32.1	31.7	89.78	349.9	142.7	510.0	446.7	63.31	8.056	
8,900.0	8,866.8	8,907.8	8,867.8	32.5	32.1	89.78	349.9	142.7	510.0	446.0	64.02	7.967	
9,000.0	8,966.8	9,007.8	8,967.8	32.8	32.4	89.78	349.9	142.7	510.0	445.3	64.72	7.881	
9,100.0	9,066.8	9,107.8	9,067.8	33.2	32.8	89.78	349.9	142.7	510.0	444.6	65.42	7.796	
9,200.0	9,166.8	9,207.8	9,167.8	33.5	33.1	89.78	349.9	142.7	510.0	443.9	66.12	7.713	
9,300.0	9,266.8	9,307.8	9,267.8	33.9	33.5	89.78	349.9	142.7	510.0	443.2	66.83	7.632	
9,400.0	9,366.8	9,407.8	9,367.8	34.2	33.9	89.78	349.9	142.7	510.0	442.5	67.53	7.553	
9,500.0	9,466.8	9,507.8	9,467.8	34.6	34.2	89.78	349.9	142.7	510.0	441.8	68.23	7.475	
9,600.0	9,566.8	9,607.8	9,567.8	34.9	34.6	89.78	349.9	142.7	510.0	441.1	68.94	7.399	
9,700.0	9,666.8	9,707.8	9,667.8	35.2	34.9	89.78	349.9	142.7	510.0	440.4	69.64	7.324	
9,800.0	9,766.8	9,807.8	9,767.8	35.6	35.3	89.78	349.9	142.7	510.0	439.7	70.35	7.250	
9,900.0	9,866.8	9,907.8	9,867.8	35.9	35.6	89.78	349.9	142.7	510.0	439.0	71.05	7.179	
10,000.0	9,966.8	10,007.8	9,967.8	36.3	36.0	89.78	349.9	142.7	510.0	438.3	71.76	7.108	
10,100.0	10,066.8	10,107.8	10,067.8	36.6	36.3	89.78	349.9	142.7	510.0	437.6	72.46	7.039	
10,200.0	10,166.8	10,207.8	10,167.8	37.0	36.7	89.78	349.9	142.7	510.0	436.9	73.17	6.971	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
10,300.0	10,266.8	10,307.8	10,267.8	37.3	37.0	89.78	349.9	142.7	510.0	436.2	73.87	6.904	
10,340.2	10,307.0	10,332.4	10,308.0	37.5	37.1	89.78	349.9	142.7	510.0	435.9	74.10	6.883	
10,350.0	10,316.8	10,342.2	10,317.8	37.5	37.2	-84.03	349.9	142.7	510.0	435.9	74.17	6.877	
10,400.0	10,366.7	10,407.9	10,367.7	37.7	37.4	-84.40	349.9	142.7	509.7	435.2	74.56	6.836	
10,450.0	10,416.1	10,441.5	10,417.1	37.8	37.5	-85.28	349.9	142.7	509.0	434.2	74.83	6.802	
10,500.0	10,464.7	10,509.9	10,465.7	37.9	37.7	-86.64	349.9	142.7	508.2	433.0	75.23	6.756	
10,550.0	10,512.1	10,537.5	10,513.1	38.1	37.8	-88.40	349.9	142.7	507.5	432.0	75.47	6.724	
10,588.9	10,547.9	10,573.3	10,548.9	38.1	38.0	-90.00	349.9	142.7	507.3	431.6	75.70	6.701	
10,600.0	10,558.0	10,583.4	10,559.0	38.2	38.0	-90.49	349.9	142.7	507.3	431.5	75.77	6.695	
10,650.0	10,601.9	10,627.3	10,602.9	38.3	38.2	-92.77	349.9	142.7	508.1	432.0	76.06	6.680	SF
10,700.0	10,643.6	10,669.0	10,644.6	38.3	38.3	-95.12	349.9	142.7	510.4	434.0	76.33	6.686	
10,750.0	10,682.7	10,708.1	10,683.7	38.4	38.4	-97.40	349.9	142.7	514.7	438.1	76.58	6.721	
10,800.0	10,719.0	10,744.4	10,720.0	38.5	38.6	-99.46	349.9	142.7	521.7	444.8	76.82	6.791	
10,850.0	10,752.1	10,777.5	10,753.1	38.5	38.7	-101.17	349.9	142.7	531.6	454.6	77.02	6.902	
10,900.0	10,781.9	10,807.3	10,782.9	38.6	38.8	-102.40	349.9	142.7	545.0	467.8	77.20	7.059	
10,950.0	10,808.0	10,833.4	10,809.0	38.6	38.9	-103.02	349.9	142.7	562.0	484.6	77.35	7.265	
11,000.0	10,830.3	10,855.7	10,831.3	38.6	39.0	-102.95	349.9	142.7	582.6	505.2	77.47	7.520	
11,050.0	10,848.7	10,874.1	10,849.7	38.6	39.0	-102.08	349.9	142.7	606.9	529.3	77.56	7.824	
11,100.0	10,862.9	10,888.3	10,863.9	38.7	39.1	-100.31	349.9	142.7	634.4	556.8	77.62	8.173	
11,150.0	10,872.9	10,901.7	10,873.9	38.7	39.1	-97.57	349.9	142.7	665.0	587.3	77.67	8.562	
11,200.0	10,878.5	10,903.9	10,879.5	38.8	39.1	-93.79	349.9	142.7	698.1	620.5	77.66	8.990	
11,240.2	10,880.0	10,905.3	10,881.0	38.9	39.1	-90.00	349.9	142.7	726.3	648.7	77.65	9.354	
11,300.0	10,880.0	10,905.3	10,881.0	39.0	39.1	-90.00	349.9	142.7	770.7	693.0	77.62	9.929	
11,400.0	10,880.0	10,905.3	10,881.0	39.3	39.1	-90.00	349.9	142.7	850.7	773.1	77.58	10.965	
11,500.0	10,880.0	10,905.3	10,881.0	39.7	39.1	-90.00	349.9	142.7	936.3	858.7	77.56	12.072	
11,528.2	10,880.0	10,905.3	10,881.0	39.8	39.1	-90.00	349.9	142.7	961.3	883.7	77.55	12.395	
11,600.0	10,880.0	10,905.3	10,881.0	40.1	39.1	-90.00	349.9	142.7	1,025.7	948.1	77.54	13.228	
11,700.0	10,880.0	10,905.3	10,881.0	40.6	39.1	-90.00	349.9	142.7	1,116.9	1,039.4	77.53	14.407	
11,800.0	10,880.0	10,905.3	10,881.0	41.1	39.1	-90.00	349.9	142.7	1,209.5	1,132.0	77.52	15.603	
11,900.0	10,880.0	10,905.3	10,881.0	41.7	39.1	-90.00	349.9	142.7	1,303.3	1,225.7	77.52	16.812	
12,000.0	10,880.0	10,905.3	10,881.0	42.4	39.1	-90.00	349.9	142.7	1,397.8	1,320.3	77.52	18.033	
12,100.0	10,880.0	10,905.3	10,881.0	43.1	39.1	-90.00	349.9	142.7	1,493.1	1,415.6	77.52	19.261	
12,200.0	10,880.0	10,905.3	10,881.0	43.8	39.1	-90.00	349.9	142.7	1,589.0	1,511.5	77.53	20.496	
12,300.0	10,880.0	10,905.3	10,881.0	44.7	39.1	-90.00	349.9	142.7	1,685.4	1,607.8	77.54	21.737	
12,400.0	10,880.0	10,905.3	10,881.0	45.5	39.1	-90.00	349.9	142.7	1,782.1	1,704.6	77.55	22.981	
12,500.0	10,880.0	10,905.3	10,881.0	46.4	39.1	-90.00	349.9	142.7	1,879.2	1,801.6	77.56	24.229	
12,600.0	10,880.0	10,905.3	10,881.0	47.3	39.1	-90.00	349.9	142.7	1,976.6	1,899.0	77.57	25.481	
12,700.0	10,880.0	10,905.3	10,881.0	48.3	39.1	-90.00	349.9	142.7	2,074.2	1,996.6	77.59	26.734	
12,800.0	10,880.0	10,905.3	10,881.0	49.3	39.1	-90.00	349.9	142.7	2,172.1	2,094.5	77.61	27.989	
12,900.0	10,880.0	10,905.3	10,881.0	50.4	39.1	-90.00	349.9	142.7	2,270.1	2,192.5	77.62	29.245	
13,000.0	10,880.0	10,905.3	10,881.0	51.5	39.1	-90.00	349.9	142.7	2,368.3	2,290.7	77.64	30.502	
13,100.0	10,880.0	10,905.3	10,881.0	52.6	39.1	-90.00	349.9	142.7	2,466.6	2,389.0	77.66	31.760	
13,200.0	10,880.0	10,905.3	10,881.0	53.7	39.1	-90.00	349.9	142.7	2,565.1	2,487.4	77.69	33.018	
13,300.0	10,880.0	10,905.3	10,881.0	54.9	39.1	-90.00	349.9	142.7	2,663.7	2,586.0	77.71	34.277	
13,400.0	10,880.0	10,905.3	10,881.0	56.0	39.1	-90.00	349.9	142.7	2,762.4	2,684.7	77.74	35.535	
13,500.0	10,880.0	16,334.8	13,722.0	57.3	64.0	-173.38	-2,478.3	56.2	2,860.1	2,799.0	61.08	46.824	
13,600.0	10,880.0	16,434.8	13,722.0	58.5	65.0	-173.38	-2,578.2	57.0	2,860.1	2,797.8	62.27	45.928	
13,700.0	10,880.0	16,534.8	13,722.0	59.7	66.1	-173.38	-2,678.2	57.8	2,860.1	2,796.6	63.48	45.053	
13,800.0	10,880.0	16,634.8	13,722.0	61.0	67.3	-173.38	-2,778.2	58.5	2,860.1	2,795.4	64.71	44.200	
13,900.0	10,880.0	16,734.8	13,722.0	62.3	68.4	-173.38	-2,878.2	59.3	2,860.1	2,794.1	65.95	43.368	
14,000.0	10,880.0	16,834.8	13,722.0	63.6	69.6	-173.38	-2,978.2	60.1	2,860.1	2,792.9	67.21	42.557	
14,100.0	10,880.0	16,934.8	13,722.0	64.9	70.8	-173.38	-3,078.2	60.8	2,860.1	2,791.6	68.48	41.767	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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
14,200.0	10,880.0	17,034.8	13,722.0	66.2	72.0	-173.38	-3,178.2	61.6	2,860.1	2,790.3	69.76	40.999	
14,300.0	10,880.0	17,134.8	13,722.0	67.6	73.2	-173.38	-3,278.2	62.4	2,860.1	2,789.0	71.06	40.250	
14,400.0	10,880.0	17,234.8	13,722.0	69.0	74.4	-173.38	-3,378.2	63.2	2,860.1	2,787.7	72.37	39.522	
14,500.0	10,880.0	17,334.8	13,722.0	70.3	75.7	-173.38	-3,478.2	63.9	2,860.1	2,786.4	73.69	38.814	
14,600.0	10,880.0	17,434.8	13,722.0	71.7	77.0	-173.38	-3,578.2	64.7	2,860.1	2,785.1	75.02	38.126	
14,700.0	10,880.0	17,534.8	13,722.0	73.1	78.3	-173.38	-3,678.2	65.5	2,860.1	2,783.7	76.36	37.456	
14,800.0	10,880.0	17,634.8	13,722.0	74.5	79.5	-173.38	-3,778.2	66.2	2,860.1	2,782.4	77.71	36.805	
14,900.0	10,880.0	17,734.8	13,722.0	75.9	80.9	-173.38	-3,878.2	67.0	2,860.1	2,781.0	79.07	36.172	
15,000.0	10,880.0	17,834.8	13,722.0	77.4	82.2	-173.38	-3,978.2	67.8	2,860.1	2,779.6	80.44	35.556	
15,100.0	10,880.0	17,934.8	13,722.0	78.8	83.5	-173.38	-4,078.2	68.6	2,860.1	2,778.3	81.82	34.958	
15,200.0	10,880.0	18,034.8	13,722.0	80.3	84.9	-173.38	-4,178.2	69.3	2,860.1	2,776.9	83.20	34.376	
15,300.0	10,880.0	18,134.8	13,722.0	81.7	86.2	-173.38	-4,278.2	70.1	2,860.1	2,775.5	84.59	33.810	
15,400.0	10,880.0	18,234.8	13,722.0	83.2	87.6	-173.38	-4,378.2	70.9	2,860.1	2,774.1	85.99	33.259	
15,500.0	10,880.0	18,334.8	13,722.0	84.6	89.0	-173.38	-4,478.2	71.6	2,860.1	2,772.7	87.40	32.724	
15,600.0	10,880.0	18,434.8	13,722.0	86.1	90.4	-173.38	-4,578.2	72.4	2,860.1	2,771.3	88.81	32.203	
15,700.0	10,880.0	18,534.8	13,722.0	87.6	91.8	-173.38	-4,678.2	73.2	2,860.1	2,769.9	90.23	31.696	
15,800.0	10,880.0	18,634.8	13,722.0	89.1	93.2	-173.38	-4,778.2	73.9	2,860.1	2,768.4	91.66	31.203	
15,900.0	10,880.0	18,734.8	13,722.0	90.6	94.6	-173.38	-4,878.2	74.7	2,860.1	2,767.0	93.09	30.723	
16,000.0	10,880.0	18,834.8	13,722.0	92.1	96.0	-173.38	-4,978.2	75.5	2,860.1	2,765.6	94.53	30.256	
16,100.0	10,880.0	18,934.8	13,722.0	93.6	97.4	-173.38	-5,078.2	76.3	2,860.1	2,764.1	95.97	29.802	
16,200.0	10,880.0	19,034.8	13,722.0	95.1	98.8	-173.38	-5,178.2	77.0	2,860.1	2,762.7	97.42	29.359	
16,300.0	10,880.0	19,134.8	13,722.0	96.6	100.3	-173.38	-5,278.2	77.8	2,860.1	2,761.2	98.87	28.928	
16,400.0	10,880.0	19,234.8	13,722.0	98.1	101.7	-173.38	-5,378.2	78.6	2,860.1	2,759.8	100.33	28.508	
16,500.0	10,880.0	19,334.8	13,722.0	99.6	103.2	-173.38	-5,478.2	79.3	2,860.1	2,758.3	101.79	28.099	
16,600.0	10,880.0	19,434.8	13,722.0	101.1	104.6	-173.38	-5,578.2	80.1	2,860.1	2,756.8	103.25	27.700	
16,700.0	10,880.0	19,534.8	13,722.0	102.7	106.1	-173.38	-5,678.2	80.9	2,860.1	2,755.4	104.72	27.311	
16,800.0	10,880.0	19,634.8	13,722.0	104.2	107.6	-173.38	-5,778.2	81.7	2,860.1	2,753.9	106.19	26.933	
16,900.0	10,880.0	19,734.8	13,722.0	105.7	109.1	-173.38	-5,878.2	82.4	2,860.1	2,752.4	107.67	26.563	
17,000.0	10,880.0	19,834.8	13,722.0	107.3	110.5	-173.38	-5,978.1	83.2	2,860.1	2,750.9	109.15	26.203	
17,100.0	10,880.0	19,934.8	13,722.0	108.8	112.0	-173.38	-6,078.1	84.0	2,860.1	2,749.5	110.64	25.852	
17,200.0	10,880.0	20,034.8	13,722.0	110.4	113.5	-173.38	-6,178.1	84.7	2,860.1	2,748.0	112.12	25.509	
17,300.0	10,880.0	20,134.8	13,722.0	111.9	115.0	-173.38	-6,278.1	85.5	2,860.1	2,746.5	113.61	25.174	
17,400.0	10,880.0	20,234.8	13,722.0	113.5	116.5	-173.38	-6,378.1	86.3	2,860.1	2,745.0	115.11	24.848	
17,500.0	10,880.0	20,334.8	13,722.0	115.0	118.0	-173.38	-6,478.1	87.1	2,860.1	2,743.5	116.60	24.529	
17,600.0	10,880.0	20,434.8	13,722.0	116.6	119.5	-173.38	-6,578.1	87.8	2,860.1	2,742.0	118.10	24.218	
17,700.0	10,880.0	20,534.8	13,722.0	118.2	121.0	-173.38	-6,678.1	88.6	2,860.1	2,740.5	119.60	23.913	
17,800.0	10,880.0	20,634.8	13,722.0	119.7	122.5	-173.38	-6,778.1	89.4	2,860.1	2,739.0	121.11	23.616	
17,900.0	10,880.0	20,734.8	13,722.0	121.3	124.1	-173.38	-6,878.1	90.1	2,860.1	2,737.5	122.61	23.326	
18,000.0	10,880.0	20,834.8	13,722.0	122.8	125.6	-173.38	-6,978.1	90.9	2,860.1	2,736.0	124.12	23.043	
18,100.0	10,880.0	20,934.8	13,722.0	124.4	127.1	-173.38	-7,078.1	91.7	2,860.1	2,734.5	125.63	22.765	
18,200.0	10,880.0	21,034.8	13,722.0	126.0	128.6	-173.38	-7,178.1	92.4	2,860.1	2,732.9	127.15	22.494	
18,300.0	10,880.0	21,134.8	13,722.0	127.6	130.2	-173.38	-7,278.1	93.2	2,860.1	2,731.4	128.66	22.229	
18,400.0	10,880.0	21,234.8	13,722.0	129.1	131.7	-173.38	-7,378.1	94.0	2,860.1	2,729.9	130.18	21.970	
18,500.0	10,880.0	21,334.8	13,722.0	130.7	133.2	-173.38	-7,478.1	94.8	2,860.1	2,728.4	131.70	21.717	
18,600.0	10,880.0	21,434.8	13,722.0	132.3	134.8	-173.38	-7,578.1	95.5	2,860.1	2,726.9	133.22	21.469	
18,700.0	10,880.0	21,534.8	13,722.0	133.9	136.3	-173.38	-7,678.1	96.3	2,860.1	2,725.3	134.75	21.226	
18,800.0	10,880.0	21,634.8	13,722.0	135.5	137.9	-173.38	-7,778.1	97.1	2,860.1	2,723.8	136.27	20.988	
18,900.0	10,880.0	21,734.8	13,722.0	137.0	139.4	-173.38	-7,878.1	97.8	2,860.1	2,722.3	137.80	20.755	
19,000.0	10,880.0	21,834.8	13,722.0	138.6	141.0	-173.38	-7,978.1	98.6	2,860.1	2,720.8	139.33	20.528	
19,100.0	10,880.0	21,934.8	13,722.0	140.2	142.5	-173.38	-8,078.1	99.4	2,860.1	2,719.2	140.86	20.305	
19,200.0	10,880.0	22,034.8	13,722.0	141.8	144.1	-173.38	-8,178.1	100.2	2,860.1	2,717.7	142.39	20.086	
19,300.0	10,880.0	22,134.8	13,722.0	143.4	145.6	-173.38	-8,278.1	100.9	2,860.1	2,716.2	143.93	19.872	

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 #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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

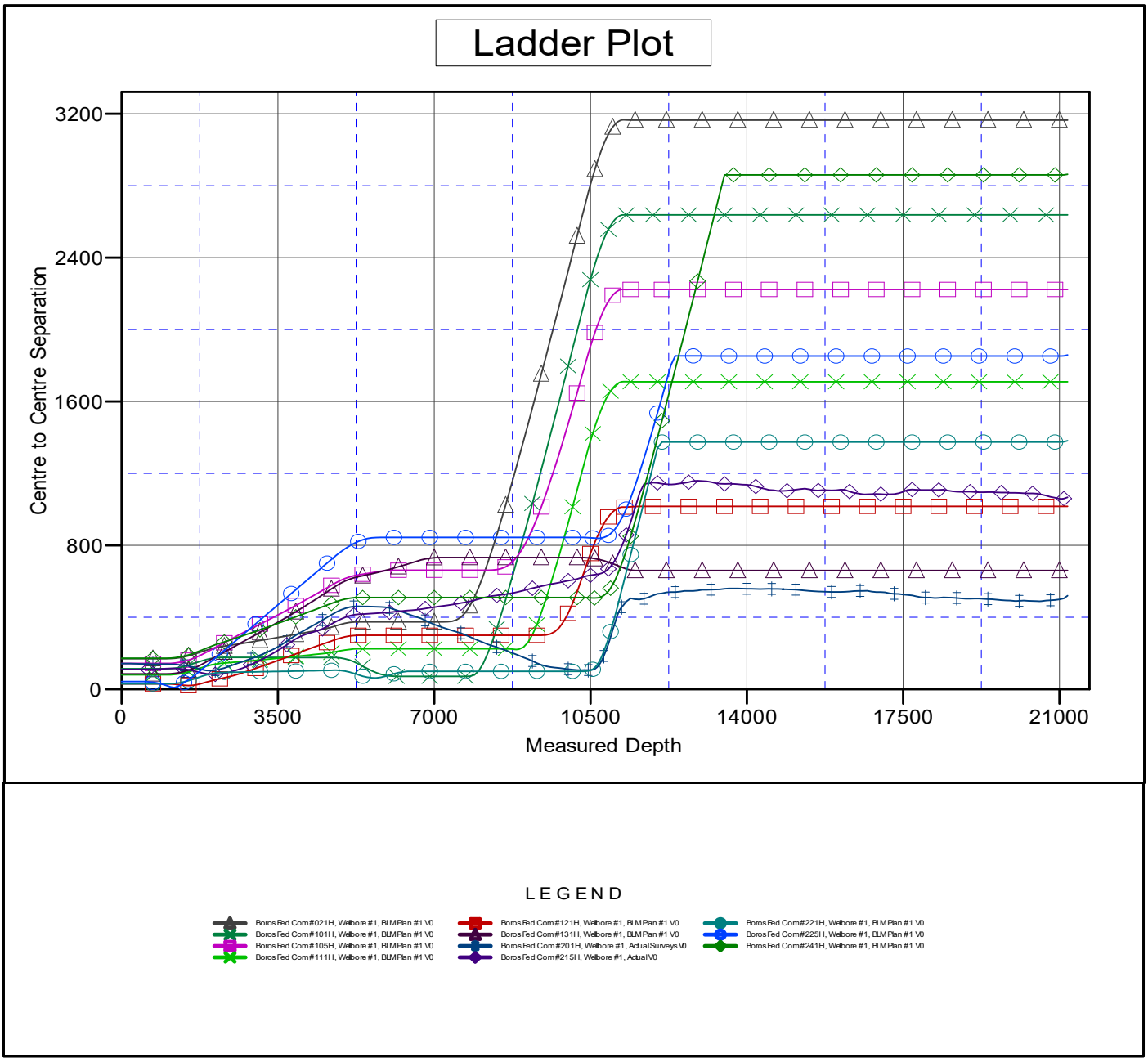
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,400.0	10,880.0	22,234.8	13,722.0	145.0	147.2	-173.38	-8,378.1	101.7	2,860.1	2,714.6	145.46	19.662	
19,500.0	10,880.0	22,334.8	13,722.0	146.6	148.7	-173.38	-8,478.1	102.5	2,860.1	2,713.1	147.00	19.457	
19,600.0	10,880.0	22,434.8	13,722.0	148.2	150.3	-173.38	-8,578.1	103.2	2,860.1	2,711.6	148.54	19.255	
19,700.0	10,880.0	22,534.8	13,722.0	149.8	151.9	-173.38	-8,678.1	104.0	2,860.1	2,710.0	150.08	19.057	
19,800.0	10,880.0	22,634.8	13,722.0	151.4	153.4	-173.37	-8,778.1	104.8	2,860.1	2,708.5	151.62	18.864	
19,900.0	10,880.0	22,734.8	13,722.0	153.0	155.0	-173.37	-8,878.1	105.5	2,860.1	2,706.9	153.16	18.674	
20,000.0	10,880.0	22,834.8	13,722.0	154.6	156.6	-173.37	-8,978.1	106.3	2,860.1	2,705.4	154.71	18.487	
20,100.0	10,880.0	22,934.8	13,722.0	156.2	158.1	-173.37	-9,078.1	107.1	2,860.1	2,703.8	156.25	18.305	
20,200.0	10,880.0	23,034.8	13,722.0	157.8	159.7	-173.37	-9,178.1	107.9	2,860.1	2,702.3	157.80	18.125	
20,300.0	10,880.0	23,134.8	13,722.0	159.4	161.3	-173.37	-9,278.1	108.6	2,860.1	2,700.8	159.34	17.949	
20,400.0	10,880.0	23,234.8	13,722.0	161.0	162.9	-173.37	-9,378.0	109.4	2,860.1	2,699.2	160.89	17.777	
20,500.0	10,880.0	23,334.8	13,722.0	162.6	164.4	-173.37	-9,478.0	110.2	2,860.1	2,697.7	162.44	17.607	
20,600.0	10,880.0	23,434.8	13,722.0	164.2	166.0	-173.37	-9,578.0	110.9	2,860.1	2,696.1	163.99	17.441	
20,700.0	10,880.0	23,534.8	13,722.0	165.8	167.6	-173.37	-9,678.0	111.7	2,860.1	2,694.6	165.54	17.277	
20,800.0	10,880.0	23,634.8	13,722.0	167.4	169.2	-173.37	-9,778.0	112.5	2,860.1	2,693.0	167.10	17.117	
20,900.0	10,880.0	23,734.8	13,722.0	169.0	170.8	-173.37	-9,878.0	113.3	2,860.1	2,691.5	168.65	16.959	
21,000.0	10,880.0	23,834.8	13,722.0	170.6	172.4	-173.37	-9,978.0	114.0	2,860.1	2,689.9	170.20	16.804	
21,000.0	10,880.0	23,834.8	13,722.0	170.6	172.4	-173.37	-9,978.1	114.0	2,860.1	2,689.9	170.20	16.804	
21,100.0	10,880.0	23,876.8	13,722.0	172.2	173.0	-173.37	-10,020.0	114.4	2,860.7	2,689.7	171.02	16.727	
21,182.4	10,880.0	23,876.8	13,722.0	173.4	173.0	-173.37	-10,020.0	114.4	2,863.5	2,692.6	170.96	16.750	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 @ 3259.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #135H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

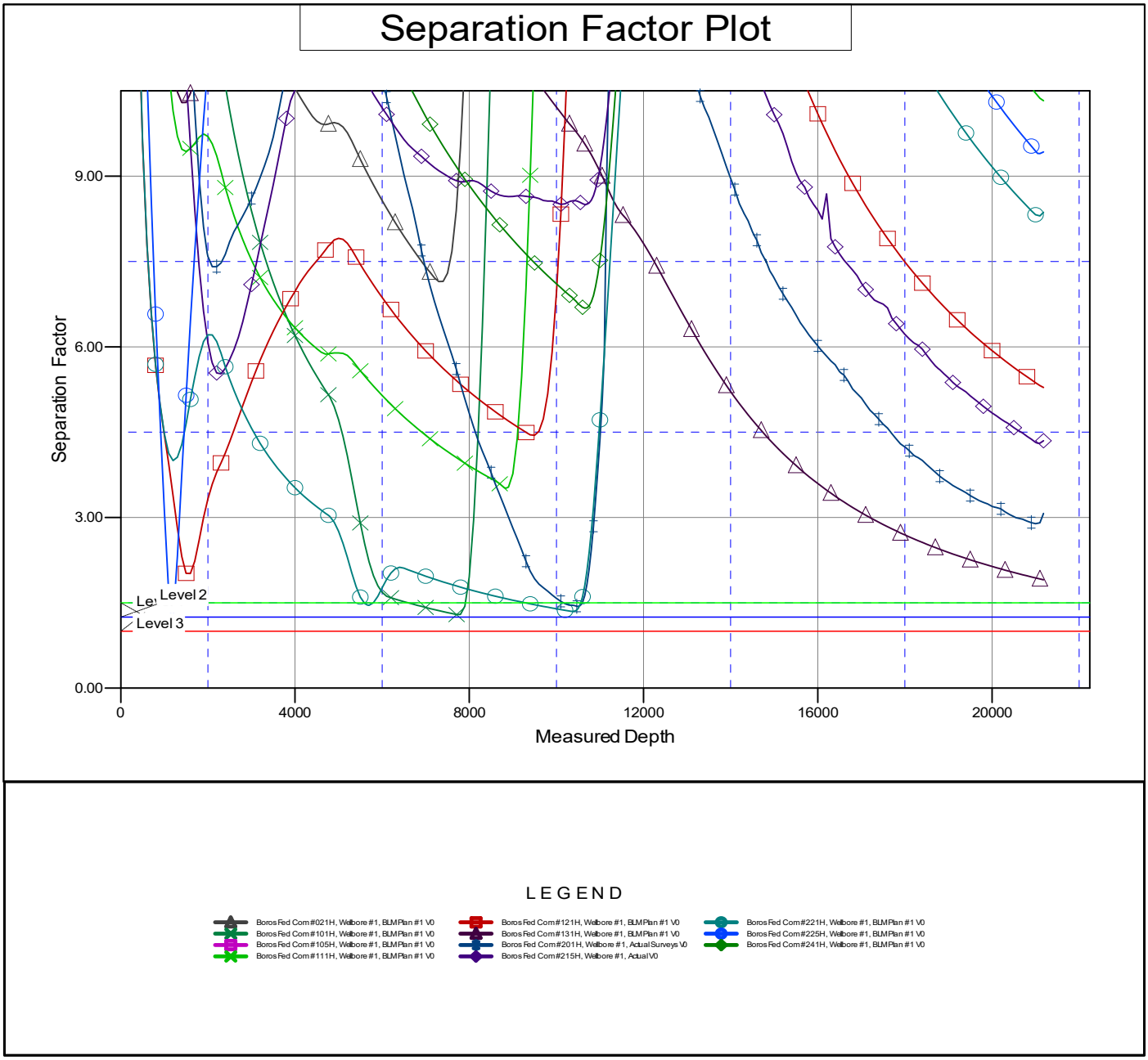


Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3259.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3259.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Fed Com #135H	**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 @ 3259.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #135H
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 #135H
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	21182.4	BLM Plan #1 (Wellbore #1)	MWD

WELL DETAILS: Boros Fed Com #135H

GL @ 3231.0 KB @ 3259.5usft

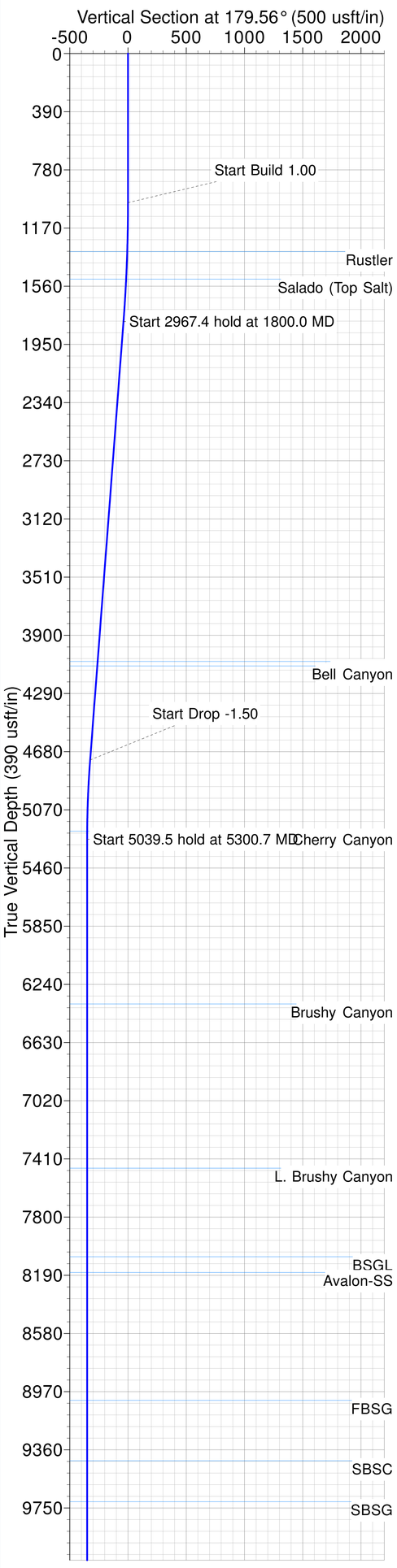
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	381967.09	673867.26	32° 2' 56.041 N	103° 46' 19.803 W	

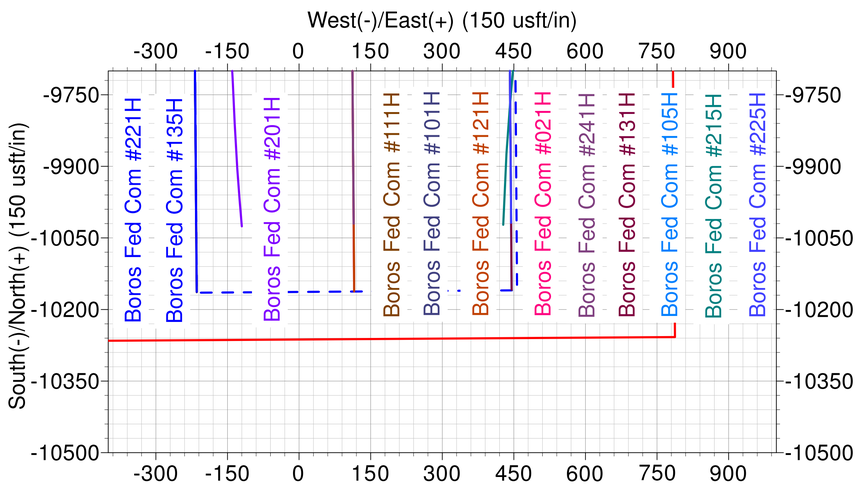
DESIGN TARGET DETAILS

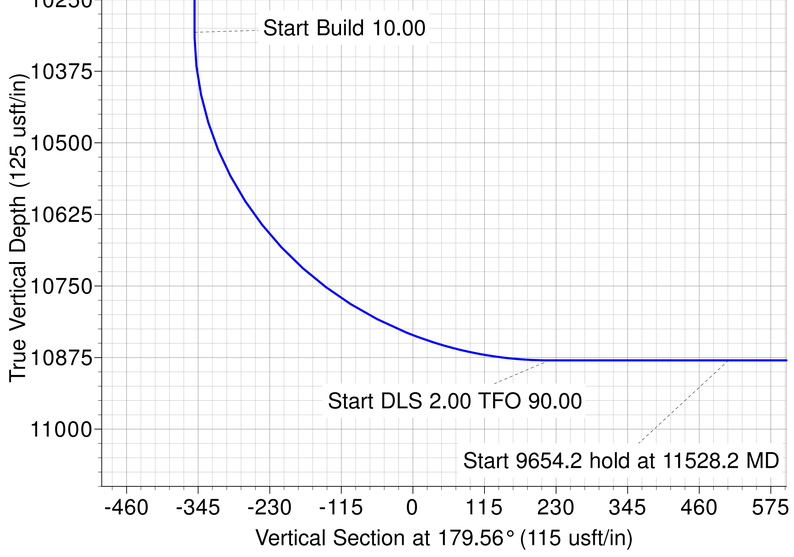
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Fed Com #135H	10307.0	347.9	-367.3	382315.00	673500.00	32° 2' 59.503 N	103° 46' 24.049 W
BHL - Boros Fed Com #135H	10880.0	-10163.0	-214.6	371803.39	673652.68	32° 1' 15.470 N	103° 46' 22.909 W

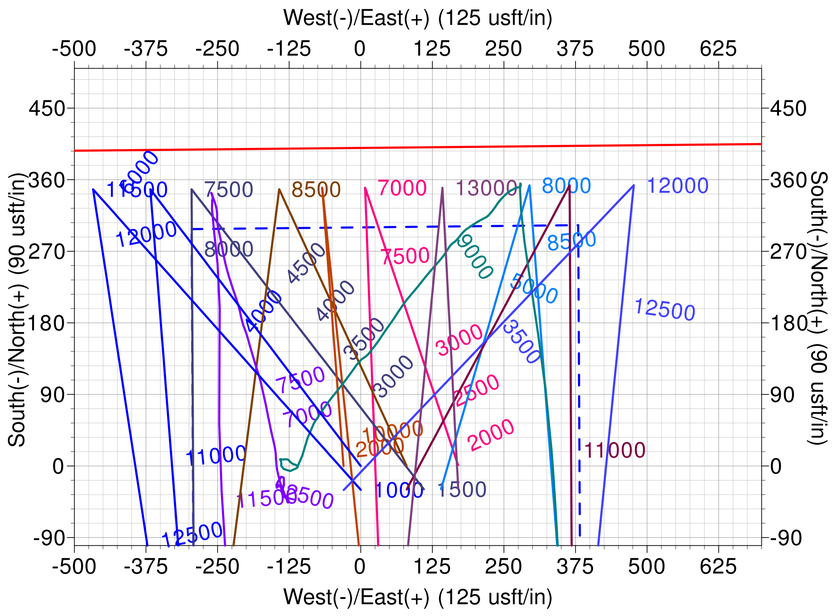
SECTION DETAILS

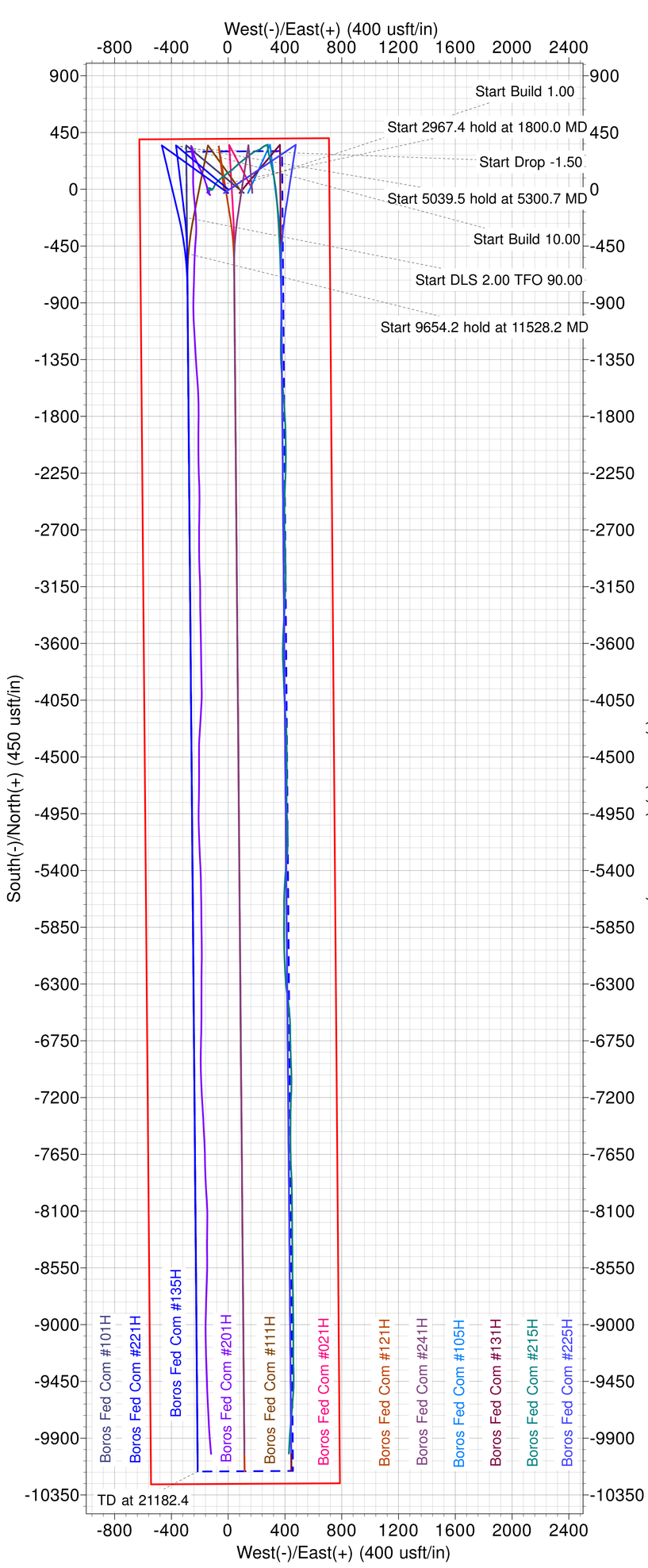
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
1800.0	8.00	313.45	1797.4	38.3	-40.5	1.00	313.45	-38.7	Start 2967.4 hold at 1800.0 MD
4767.4	8.00	313.45	4735.9	322.4	-340.3	0.00	0.00	-325.0	Start Drop -1.50
5300.7	0.00	0.00	5267.5	347.9	-367.3	1.50	180.00	-350.7	Start 5039.5 hold at 5300.7 MD
10340.2	0.00	0.00	10307.0	347.9	-367.3	0.00	0.00	-350.7	Start Build 10.00
11240.2	90.00	173.80	10880.0	-221.7	-305.4	10.00	173.80	219.3	Start DLS 2.00 TFO 90.00
11528.2	90.00	179.56	10880.0	-509.1	-288.7	2.00	90.00	506.8	Start 9654.2 hold at 11528.2 MD
21182.4	90.00	179.56	10880.0	-10163.0	-214.6	0.00	0.00	10161.0	TD at 21182.4

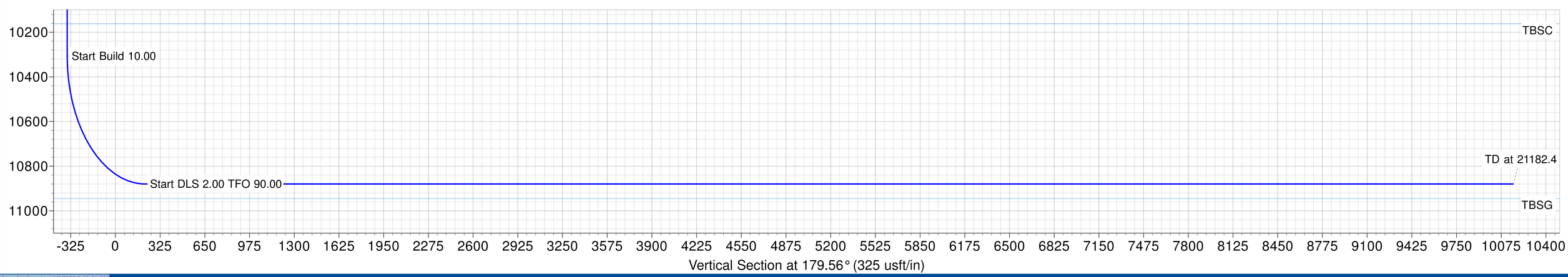












Matador Production Company

Rustler Breaks
Boros
Boros Fed Com #135H

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 #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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 #135H

Well Position	**+N/-S**	13.7 usft	**Northing:**	381,967.09 usft	**Latitude:**	32° 2' 56.041 N
	+E/-W	-2,312.8 usft	**Easting:**	673,867.26 usft	**Longitude:**	103° 46' 19.803 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,231.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/10/2020	6.68	59.83	47,483.12838466

Design BLM Plan #1

Audit Notes:

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

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.56

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

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,181.8	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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	8.00	313.45	1,797.4	38.3	-40.5	1.00	1.00	0.00	313.45	
4,767.4	8.00	313.45	4,735.9	322.4	-340.3	0.00	0.00	0.00	0.00	
5,300.7	0.00	0.00	5,267.5	347.9	-367.3	1.50	-1.50	0.00	180.00	
10,340.2	0.00	0.00	10,307.0	347.9	-367.3	0.00	0.00	0.00	0.00	VP - Boros Fed Cor
11,240.2	90.00	173.80	10,880.0	-221.7	-305.4	10.00	10.00	0.00	173.80	
11,528.2	90.00	179.56	10,880.0	-509.1	-288.7	2.00	0.00	2.00	90.00	
21,182.4	90.00	179.56	10,880.0	-10,163.0	-214.6	0.00	0.00	0.00	0.00	BHL - Boros Fed Cc

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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
Start Build 1.00									
1,100.0	1.00	313.45	1,100.0	0.6	-0.6	-0.6	1.00	1.00	0.00
1,200.0	2.00	313.45	1,200.0	2.4	-2.5	-2.4	1.00	1.00	0.00
1,300.0	3.00	313.45	1,299.9	5.4	-5.7	-5.4	1.00	1.00	0.00
1,400.0	4.00	313.45	1,399.7	9.6	-10.1	-9.7	1.00	1.00	0.00
1,500.0	5.00	313.45	1,499.4	15.0	-15.8	-15.1	1.00	1.00	0.00
1,600.0	6.00	313.45	1,598.9	21.6	-22.8	-21.8	1.00	1.00	0.00
1,700.0	7.00	313.45	1,698.3	29.4	-31.0	-29.6	1.00	1.00	0.00
1,800.0	8.00	313.45	1,797.4	38.3	-40.5	-38.7	1.00	1.00	0.00
Start 2967.4 hold at 1800.0 MD									
1,900.0	8.00	313.45	1,896.4	47.9	-50.6	-48.3	0.00	0.00	0.00
2,000.0	8.00	313.45	1,995.5	57.5	-60.7	-58.0	0.00	0.00	0.00
2,100.0	8.00	313.45	2,094.5	67.1	-70.8	-67.6	0.00	0.00	0.00
2,200.0	8.00	313.45	2,193.5	76.6	-80.9	-77.3	0.00	0.00	0.00
2,300.0	8.00	313.45	2,292.5	86.2	-91.0	-86.9	0.00	0.00	0.00
2,400.0	8.00	313.45	2,391.6	95.8	-101.1	-96.5	0.00	0.00	0.00
2,500.0	8.00	313.45	2,490.6	105.3	-111.2	-106.2	0.00	0.00	0.00
2,600.0	8.00	313.45	2,589.6	114.9	-121.3	-115.8	0.00	0.00	0.00
2,700.0	8.00	313.45	2,688.6	124.5	-131.4	-125.5	0.00	0.00	0.00
2,800.0	8.00	313.45	2,787.7	134.1	-141.5	-135.1	0.00	0.00	0.00
2,900.0	8.00	313.45	2,886.7	143.6	-151.6	-144.8	0.00	0.00	0.00
3,000.0	8.00	313.45	2,985.7	153.2	-161.7	-154.4	0.00	0.00	0.00
3,100.0	8.00	313.45	3,084.8	162.8	-171.8	-164.1	0.00	0.00	0.00
3,200.0	8.00	313.45	3,183.8	172.3	-181.9	-173.7	0.00	0.00	0.00
3,300.0	8.00	313.45	3,282.8	181.9	-192.0	-183.4	0.00	0.00	0.00
3,400.0	8.00	313.45	3,381.8	191.5	-202.1	-193.0	0.00	0.00	0.00
3,500.0	8.00	313.45	3,480.9	201.1	-212.2	-202.7	0.00	0.00	0.00
3,600.0	8.00	313.45	3,579.9	210.6	-222.3	-212.3	0.00	0.00	0.00
3,700.0	8.00	313.45	3,678.9	220.2	-232.4	-222.0	0.00	0.00	0.00
3,800.0	8.00	313.45	3,777.9	229.8	-242.6	-231.6	0.00	0.00	0.00
3,900.0	8.00	313.45	3,877.0	239.3	-252.7	-241.3	0.00	0.00	0.00
4,000.0	8.00	313.45	3,976.0	248.9	-262.8	-250.9	0.00	0.00	0.00
4,100.0	8.00	313.45	4,075.0	258.5	-272.9	-260.6	0.00	0.00	0.00
4,200.0	8.00	313.45	4,174.0	268.1	-283.0	-270.2	0.00	0.00	0.00
4,300.0	8.00	313.45	4,273.1	277.6	-293.1	-279.9	0.00	0.00	0.00
4,400.0	8.00	313.45	4,372.1	287.2	-303.2	-289.5	0.00	0.00	0.00
4,500.0	8.00	313.45	4,471.1	296.8	-313.3	-299.2	0.00	0.00	0.00
4,600.0	8.00	313.45	4,570.2	306.3	-323.4	-308.8	0.00	0.00	0.00
4,700.0	8.00	313.45	4,669.2	315.9	-333.5	-318.5	0.00	0.00	0.00
4,767.4	8.00	313.45	4,735.9	322.4	-340.3	-325.0	0.00	0.00	0.00
Start Drop -1.50									
4,800.0	7.51	313.45	4,768.2	325.4	-343.5	-328.0	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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)
4,900.0	6.01	313.45	4,867.5	333.5	-352.0	-336.2	1.50	-1.50	0.00
5,000.0	4.51	313.45	4,967.1	339.8	-358.7	-342.5	1.50	-1.50	0.00
5,100.0	3.01	313.45	5,066.9	344.3	-363.5	-347.1	1.50	-1.50	0.00
5,200.0	1.51	313.45	5,166.8	347.0	-366.3	-349.8	1.50	-1.50	0.00
5,300.0	0.01	313.45	5,266.8	347.9	-367.3	-350.7	1.50	-1.50	0.00
5,300.7	0.00	0.00	5,267.5	347.9	-367.3	-350.7	1.50	-1.50	0.00
Start 5039.5 hold at 5300.7 MD									
5,400.0	0.00	0.00	5,366.8	347.9	-367.3	-350.7	0.00	0.00	0.00
5,500.0	0.00	0.00	5,466.8	347.9	-367.3	-350.7	0.00	0.00	0.00
5,600.0	0.00	0.00	5,566.8	347.9	-367.3	-350.7	0.00	0.00	0.00
5,700.0	0.00	0.00	5,666.8	347.9	-367.3	-350.7	0.00	0.00	0.00
5,800.0	0.00	0.00	5,766.8	347.9	-367.3	-350.7	0.00	0.00	0.00
5,900.0	0.00	0.00	5,866.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,000.0	0.00	0.00	5,966.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,100.0	0.00	0.00	6,066.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,200.0	0.00	0.00	6,166.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,300.0	0.00	0.00	6,266.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,366.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,466.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,566.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,666.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,766.8	347.9	-367.3	-350.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,866.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,966.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,100.0	0.00	0.00	7,066.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,166.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,266.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,366.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,466.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,566.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,666.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,766.8	347.9	-367.3	-350.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,866.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,966.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,100.0	0.00	0.00	8,066.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,166.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,266.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,366.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,500.0	0.00	0.00	8,466.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,566.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,666.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,766.8	347.9	-367.3	-350.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,866.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,966.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,100.0	0.00	0.00	9,066.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,166.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,300.0	0.00	0.00	9,266.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,366.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,466.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,566.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,666.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,766.8	347.9	-367.3	-350.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,866.8	347.9	-367.3	-350.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,966.8	347.9	-367.3	-350.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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)
10,100.0	0.00	0.00	10,066.8	347.9	-367.3	-350.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,166.8	347.9	-367.3	-350.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,266.8	347.9	-367.3	-350.7	0.00	0.00	0.00
10,340.2	0.00	0.00	10,307.0	347.9	-367.3	-350.7	0.00	0.00	0.00
Start Build 10.00 - VP - Boros Fed Com #135H									
10,400.0	5.98	173.80	10,366.7	344.8	-366.9	-347.6	10.00	10.00	0.00
10,500.0	15.98	173.80	10,464.7	325.9	-364.9	-328.7	10.00	10.00	0.00
10,600.0	25.98	173.80	10,558.0	290.4	-361.0	-293.1	10.00	10.00	0.00
10,700.0	35.98	173.80	10,643.6	239.3	-355.5	-242.0	10.00	10.00	0.00
10,800.0	45.98	173.80	10,719.0	174.2	-348.4	-176.8	10.00	10.00	0.00
10,900.0	55.98	173.80	10,781.9	97.0	-340.0	-99.6	10.00	10.00	0.00
11,000.0	65.98	173.80	10,830.3	10.2	-330.6	-12.7	10.00	10.00	0.00
11,100.0	75.98	173.80	10,862.9	-83.7	-320.4	81.2	10.00	10.00	0.00
11,200.0	85.98	173.80	10,878.5	-181.7	-309.7	179.4	10.00	10.00	0.00
11,240.2	90.00	173.80	10,880.0	-221.7	-305.4	219.3	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
11,300.0	90.00	175.00	10,880.0	-281.2	-299.6	278.9	2.00	0.00	2.00
11,400.0	90.00	177.00	10,880.0	-380.9	-292.6	378.7	2.00	0.00	2.00
11,500.0	90.00	179.00	10,880.0	-480.9	-289.1	478.6	2.00	0.00	2.00
11,528.2	90.00	179.56	10,880.0	-509.1	-288.7	506.8	2.00	0.00	2.00
Start 9654.2 hold at 11528.2 MD									
11,600.0	90.00	179.56	10,880.0	-580.9	-288.2	578.6	0.00	0.00	0.00
11,700.0	90.00	179.56	10,880.0	-680.9	-287.4	678.6	0.00	0.00	0.00
11,800.0	90.00	179.56	10,880.0	-780.9	-286.6	778.6	0.00	0.00	0.00
11,900.0	90.00	179.56	10,880.0	-880.9	-285.9	878.6	0.00	0.00	0.00
12,000.0	90.00	179.56	10,880.0	-980.9	-285.1	978.6	0.00	0.00	0.00
12,100.0	90.00	179.56	10,880.0	-1,080.8	-284.3	1,078.6	0.00	0.00	0.00
12,200.0	90.00	179.56	10,880.0	-1,180.8	-283.6	1,178.6	0.00	0.00	0.00
12,300.0	90.00	179.56	10,880.0	-1,280.8	-282.8	1,278.6	0.00	0.00	0.00
12,400.0	90.00	179.56	10,880.0	-1,380.8	-282.0	1,378.6	0.00	0.00	0.00
12,500.0	90.00	179.56	10,880.0	-1,480.8	-281.3	1,478.6	0.00	0.00	0.00
12,600.0	90.00	179.56	10,880.0	-1,580.8	-280.5	1,578.6	0.00	0.00	0.00
12,700.0	90.00	179.56	10,880.0	-1,680.8	-279.7	1,678.6	0.00	0.00	0.00
12,800.0	90.00	179.56	10,880.0	-1,780.8	-279.0	1,778.6	0.00	0.00	0.00
12,900.0	90.00	179.56	10,880.0	-1,880.8	-278.2	1,878.6	0.00	0.00	0.00
13,000.0	90.00	179.56	10,880.0	-1,980.8	-277.4	1,978.6	0.00	0.00	0.00
13,100.0	90.00	179.56	10,880.0	-2,080.8	-276.7	2,078.6	0.00	0.00	0.00
13,200.0	90.00	179.56	10,880.0	-2,180.8	-275.9	2,178.6	0.00	0.00	0.00
13,300.0	90.00	179.56	10,880.0	-2,280.8	-275.1	2,278.6	0.00	0.00	0.00
13,400.0	90.00	179.56	10,880.0	-2,380.8	-274.4	2,378.6	0.00	0.00	0.00
13,500.0	90.00	179.56	10,880.0	-2,480.8	-273.6	2,478.6	0.00	0.00	0.00
13,600.0	90.00	179.56	10,880.0	-2,580.8	-272.8	2,578.6	0.00	0.00	0.00
13,700.0	90.00	179.56	10,880.0	-2,680.8	-272.0	2,678.6	0.00	0.00	0.00
13,800.0	90.00	179.56	10,880.0	-2,780.8	-271.3	2,778.6	0.00	0.00	0.00
13,900.0	90.00	179.56	10,880.0	-2,880.8	-270.5	2,878.6	0.00	0.00	0.00
14,000.0	90.00	179.56	10,880.0	-2,980.8	-269.7	2,978.6	0.00	0.00	0.00
14,100.0	90.00	179.56	10,880.0	-3,080.8	-269.0	3,078.6	0.00	0.00	0.00
14,200.0	90.00	179.56	10,880.0	-3,180.8	-268.2	3,178.6	0.00	0.00	0.00
14,300.0	90.00	179.56	10,880.0	-3,280.8	-267.4	3,278.6	0.00	0.00	0.00
14,400.0	90.00	179.56	10,880.0	-3,380.8	-266.7	3,378.6	0.00	0.00	0.00
14,500.0	90.00	179.56	10,880.0	-3,480.8	-265.9	3,478.6	0.00	0.00	0.00
14,600.0	90.00	179.56	10,880.0	-3,580.8	-265.1	3,578.6	0.00	0.00	0.00
14,700.0	90.00	179.56	10,880.0	-3,680.8	-264.4	3,678.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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)
14,800.0	90.00	179.56	10,880.0	-3,780.8	-263.6	3,778.6	0.00	0.00	0.00
14,900.0	90.00	179.56	10,880.0	-3,880.8	-262.8	3,878.6	0.00	0.00	0.00
15,000.0	90.00	179.56	10,880.0	-3,980.8	-262.1	3,978.6	0.00	0.00	0.00
15,100.0	90.00	179.56	10,880.0	-4,080.8	-261.3	4,078.6	0.00	0.00	0.00
15,200.0	90.00	179.56	10,880.0	-4,180.8	-260.5	4,178.6	0.00	0.00	0.00
15,300.0	90.00	179.56	10,880.0	-4,280.8	-259.8	4,278.6	0.00	0.00	0.00
15,400.0	90.00	179.56	10,880.0	-4,380.8	-259.0	4,378.6	0.00	0.00	0.00
15,500.0	90.00	179.56	10,880.0	-4,480.7	-258.2	4,478.6	0.00	0.00	0.00
15,600.0	90.00	179.56	10,880.0	-4,580.7	-257.5	4,578.6	0.00	0.00	0.00
15,700.0	90.00	179.56	10,880.0	-4,680.7	-256.7	4,678.6	0.00	0.00	0.00
15,800.0	90.00	179.56	10,880.0	-4,780.7	-255.9	4,778.6	0.00	0.00	0.00
15,900.0	90.00	179.56	10,880.0	-4,880.7	-255.1	4,878.6	0.00	0.00	0.00
16,000.0	90.00	179.56	10,880.0	-4,980.7	-254.4	4,978.6	0.00	0.00	0.00
16,100.0	90.00	179.56	10,880.0	-5,080.7	-253.6	5,078.6	0.00	0.00	0.00
16,200.0	90.00	179.56	10,880.0	-5,180.7	-252.8	5,178.6	0.00	0.00	0.00
16,300.0	90.00	179.56	10,880.0	-5,280.7	-252.1	5,278.6	0.00	0.00	0.00
16,400.0	90.00	179.56	10,880.0	-5,380.7	-251.3	5,378.6	0.00	0.00	0.00
16,500.0	90.00	179.56	10,880.0	-5,480.7	-250.5	5,478.6	0.00	0.00	0.00
16,600.0	90.00	179.56	10,880.0	-5,580.7	-249.8	5,578.6	0.00	0.00	0.00
16,700.0	90.00	179.56	10,880.0	-5,680.7	-249.0	5,678.6	0.00	0.00	0.00
16,800.0	90.00	179.56	10,880.0	-5,780.7	-248.2	5,778.6	0.00	0.00	0.00
16,900.0	90.00	179.56	10,880.0	-5,880.7	-247.5	5,878.6	0.00	0.00	0.00
17,000.0	90.00	179.56	10,880.0	-5,980.7	-246.7	5,978.6	0.00	0.00	0.00
17,100.0	90.00	179.56	10,880.0	-6,080.7	-245.9	6,078.6	0.00	0.00	0.00
17,200.0	90.00	179.56	10,880.0	-6,180.7	-245.2	6,178.6	0.00	0.00	0.00
17,300.0	90.00	179.56	10,880.0	-6,280.7	-244.4	6,278.6	0.00	0.00	0.00
17,400.0	90.00	179.56	10,880.0	-6,380.7	-243.6	6,378.6	0.00	0.00	0.00
17,500.0	90.00	179.56	10,880.0	-6,480.7	-242.9	6,478.6	0.00	0.00	0.00
17,600.0	90.00	179.56	10,880.0	-6,580.7	-242.1	6,578.6	0.00	0.00	0.00
17,700.0	90.00	179.56	10,880.0	-6,680.7	-241.3	6,678.6	0.00	0.00	0.00
17,800.0	90.00	179.56	10,880.0	-6,780.7	-240.5	6,778.6	0.00	0.00	0.00
17,900.0	90.00	179.56	10,880.0	-6,880.7	-239.8	6,878.6	0.00	0.00	0.00
18,000.0	90.00	179.56	10,880.0	-6,980.7	-239.0	6,978.6	0.00	0.00	0.00
18,100.0	90.00	179.56	10,880.0	-7,080.7	-238.2	7,078.6	0.00	0.00	0.00
18,200.0	90.00	179.56	10,880.0	-7,180.7	-237.5	7,178.6	0.00	0.00	0.00
18,300.0	90.00	179.56	10,880.0	-7,280.7	-236.7	7,278.6	0.00	0.00	0.00
18,400.0	90.00	179.56	10,880.0	-7,380.7	-235.9	7,378.6	0.00	0.00	0.00
18,500.0	90.00	179.56	10,880.0	-7,480.7	-235.2	7,478.6	0.00	0.00	0.00
18,600.0	90.00	179.56	10,880.0	-7,580.7	-234.4	7,578.6	0.00	0.00	0.00
18,700.0	90.00	179.56	10,880.0	-7,680.7	-233.6	7,678.6	0.00	0.00	0.00
18,800.0	90.00	179.56	10,880.0	-7,780.7	-232.9	7,778.6	0.00	0.00	0.00
18,900.0	90.00	179.56	10,880.0	-7,880.6	-232.1	7,878.6	0.00	0.00	0.00
19,000.0	90.00	179.56	10,880.0	-7,980.6	-231.3	7,978.6	0.00	0.00	0.00
19,100.0	90.00	179.56	10,880.0	-8,080.6	-230.6	8,078.6	0.00	0.00	0.00
19,200.0	90.00	179.56	10,880.0	-8,180.6	-229.8	8,178.6	0.00	0.00	0.00
19,300.0	90.00	179.56	10,880.0	-8,280.6	-229.0	8,278.6	0.00	0.00	0.00
19,400.0	90.00	179.56	10,880.0	-8,380.6	-228.3	8,378.6	0.00	0.00	0.00
19,500.0	90.00	179.56	10,880.0	-8,480.6	-227.5	8,478.6	0.00	0.00	0.00
19,600.0	90.00	179.56	10,880.0	-8,580.6	-226.7	8,578.6	0.00	0.00	0.00
19,700.0	90.00	179.56	10,880.0	-8,680.6	-226.0	8,678.6	0.00	0.00	0.00
19,800.0	90.00	179.56	10,880.0	-8,780.6	-225.2	8,778.6	0.00	0.00	0.00
19,900.0	90.00	179.56	10,880.0	-8,880.6	-224.4	8,878.6	0.00	0.00	0.00
20,000.0	90.00	179.56	10,880.0	-8,980.6	-223.6	8,978.6	0.00	0.00	0.00
20,100.0	90.00	179.56	10,880.0	-9,080.6	-222.9	9,078.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Fed Com #135H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3259.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3259.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Fed Com #135H	**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)
20,200.0	90.00	179.56	10,880.0	-9,180.6	-222.1	9,178.6	0.00	0.00	0.00
20,300.0	90.00	179.56	10,880.0	-9,280.6	-221.3	9,278.6	0.00	0.00	0.00
20,400.0	90.00	179.56	10,880.0	-9,380.6	-220.6	9,378.6	0.00	0.00	0.00
20,500.0	90.00	179.56	10,880.0	-9,480.6	-219.8	9,478.6	0.00	0.00	0.00
20,600.0	90.00	179.56	10,880.0	-9,580.6	-219.0	9,578.6	0.00	0.00	0.00
20,700.0	90.00	179.56	10,880.0	-9,680.6	-218.3	9,678.6	0.00	0.00	0.00
20,800.0	90.00	179.56	10,880.0	-9,780.6	-217.5	9,778.6	0.00	0.00	0.00
20,900.0	90.00	179.56	10,880.0	-9,880.6	-216.7	9,878.6	0.00	0.00	0.00
21,000.0	90.00	179.56	10,880.0	-9,980.6	-216.0	9,978.6	0.00	0.00	0.00
21,100.0	90.00	179.56	10,880.0	-10,080.6	-215.2	10,078.6	0.00	0.00	0.00
21,182.4	90.00	179.56	10,880.0	-10,163.0	-214.6	10,161.0	0.00	0.00	0.00
TD at 21182.4 - BHL - Boros Fed Com #135H									

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	10,307.0	347.9	-367.3	382,315.00	673,500.00	32° 2' 59.503 N	103° 46' 24.049 W
BHL - Boros Fed Com - plan hits target center - Point	0.00	0.00	10,880.0	-10,163.0	-214.6	371,803.39	673,652.68	32° 1' 15.470 N	103° 46' 22.909 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,000.0	1,000.0	0.0	0.0	Start Build 1.00
1,800.0	1,797.4	38.3	-40.5	Start 2967.4 hold at 1800.0 MD
4,767.4	4,735.9	322.4	-340.3	Start Drop -1.50
5,300.7	5,267.5	347.9	-367.3	Start 5039.5 hold at 5300.7 MD
10,340.2	10,307.0	347.9	-367.3	Start Build 10.00
11,240.2	10,880.0	-221.7	-305.4	Start DLS 2.00 TFO 90.00
11,528.2	10,880.0	-509.1	-288.7	Start 9654.2 hold at 11528.2 MD
21,182.4	10,880.0	-10,163.0	-214.6	TD at 21182.4

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

COMMENTS

Action 25093

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 25093
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 4/25/2021	4/26/2021

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CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 25093
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	6/1/2021