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

Sundry Print Report

02/25/2021

Well Name: BOROS FEDERAL

Well Location: T26S / R31E / SEC 15 / NENW / 32.04895 / -103.768073

County or Parish/State: EDDY / NM

Well Number: 132H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM138865

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001546849

Well Status: Approved Application for Permit to Drill

Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 02/22/2021

Time Sundry Submitted: 11:11

Date proposed operation will begin: 02/26/2021

Procedure Description: BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Matador request to move the BHL of the Boros Federal Com #132H well from 100' FSL and 1981' FWL to 100' FSL and 1644' FWL. Please see attached C102. Per WIS Submission 531685: Matador also requests the option to amend the casing and cement design to the attached plan. Add option to slim down 9-5/8" casing to 7-5/8" casing and deepen. 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__531685_20210222110843.pdf

Sundry_Approved_C_102__531651_20210222110843.pdf

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Unit or CA Number:

US Well Number: 3001546849

Well Status: Approved Application for Permit to Drill

Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Additional Reviews

Boros_Federal_132H_DrillingCOA_SundryID1516079_20210225092738.pdf

Operator Certification

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

Operator Electronic Signature: FITZGERALD

Signed on: FEB 22, 2021 11:07 AM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory

Street Address: 5400 LBJ Freeway, Suite 1500

City: Dallas **State:** TX

Phone: (972) 371-5200

Email address:

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: 02/25/2021

Signature: Chris Walls

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Matador Production Company
LEASE NO.:	NMNM138885
LOCATION:	Section 15, T.26 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

WELL NAME & NO.:	Boros Federal 132H
SURFACE HOLE FOOTAGE:	430'/N & 1930'/W
BOTTOM HOLE FOOTAGE	100'/S & 1644'/W

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

Casing Design:

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

2. The **7-5/8** inch intermediate casing shall be set at approximately **10254** feet. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

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

Option 2:

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

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

b. Second stage above DV tool:

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

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

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

Option 1 (Single Stage):

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

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 should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

NMK02232021

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

[4]Property Code	[5]Property Name	[6]Well Number
	BOROS FEDERAL	132H

[7]OGRID No.	[8]Operator Name	[9]Elevation
	MATADOR PRODUCTION COMPANY	3227'

[10]Surface Location

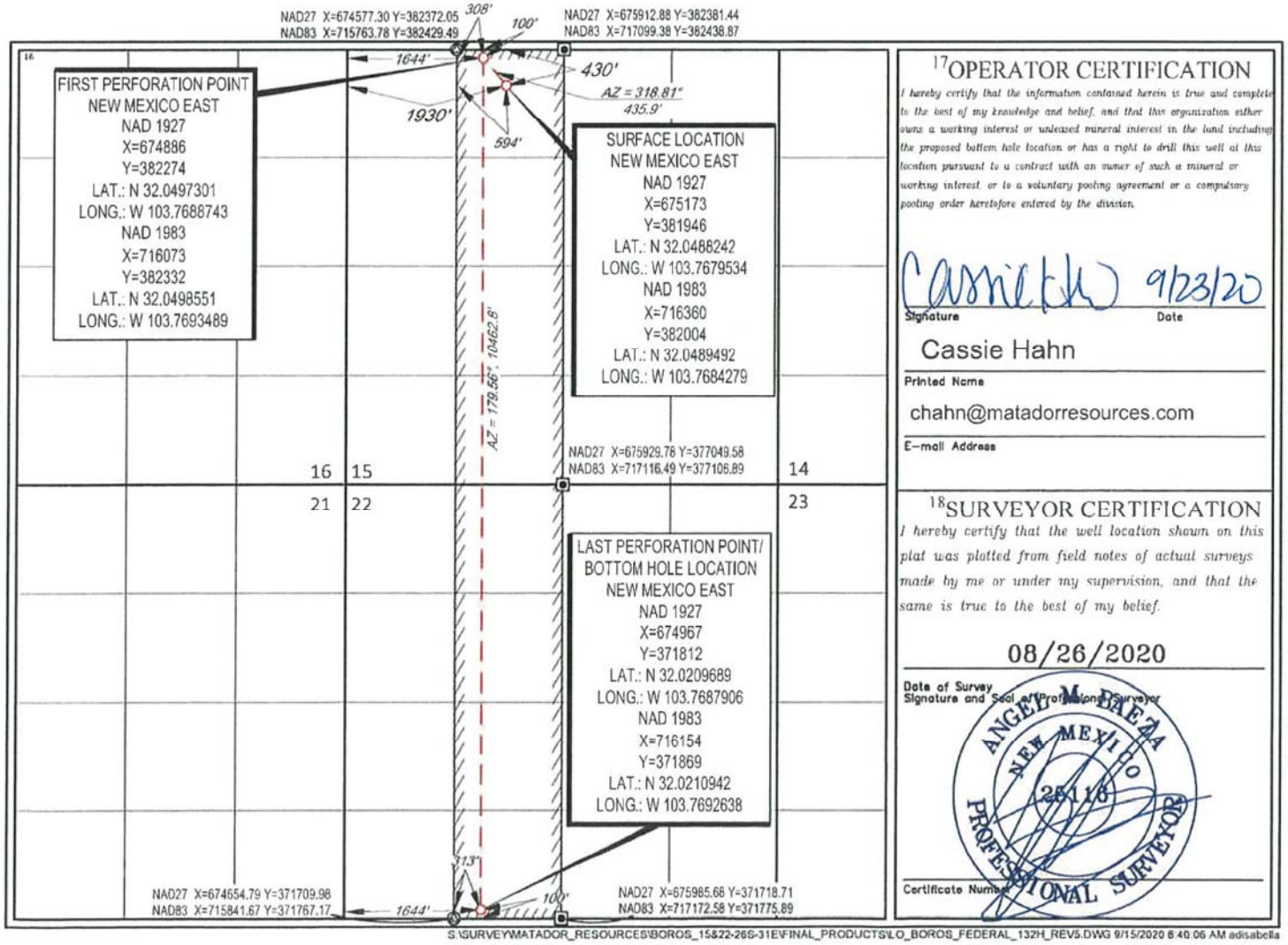
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	26-S	31-E	-	430'	NORTH	1930'	WEST	EDDY

[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
N	22	26-S	31-E	-	100'	SOUTH	1644'	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 9/23/20 Date

Cassie Hahn
Printed Name

chahn@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

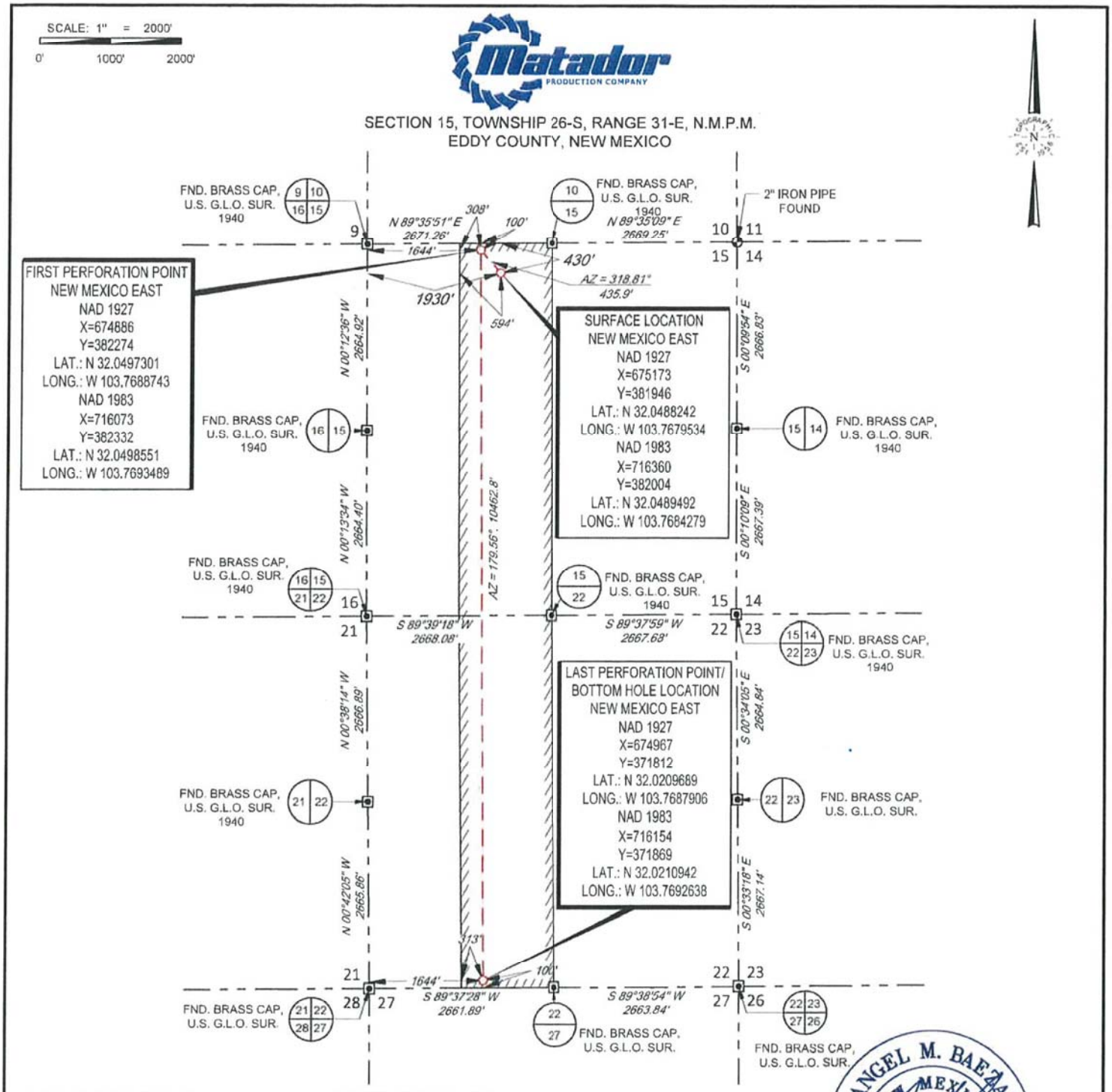
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

08/26/2020
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA NEW MEXICO 25118 PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_132H_REV5.DWG 9/15/2020 8:40:06 AM adisabella



LEASE NAME & WELL NO.: BOROS FEDERAL 132H

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

COUNTY EDDY STATE NM

DESCRIPTION 430' FNL & 1930' FWL

DISTANCE & DIRECTION

FROM INT. OF NM128, & J-1/ORLA RD., GO SOUTH ON J-1/ORLA RD. ±13.2 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. ±1385 FEET, TO A POINT ±370 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 NEW MEXICO 25116 PROFESSIONAL SURVEYOR

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

September 14, 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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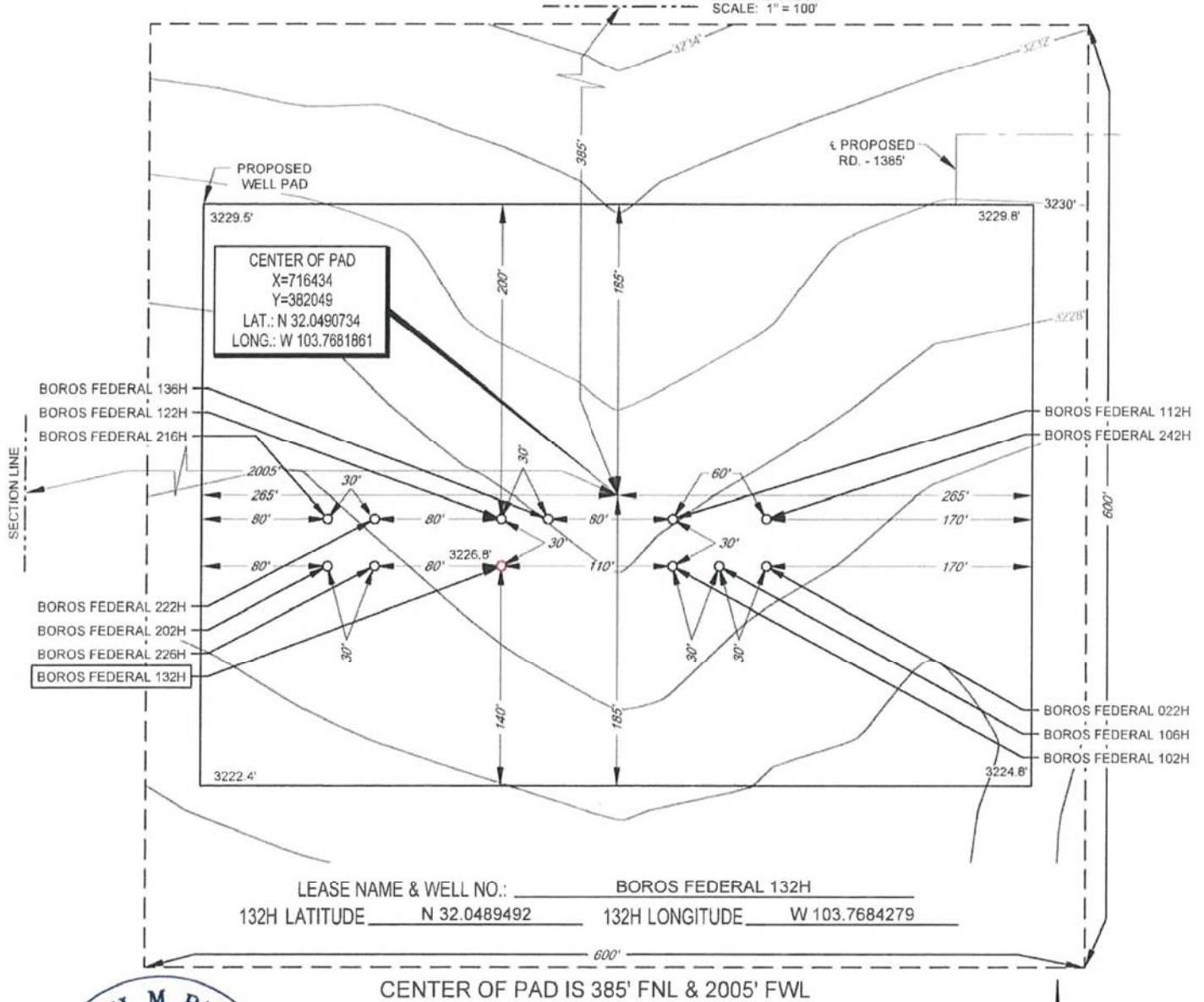
Matador PRODUCTION COMPANY

LEGEND

SECTION LINE
PROPOSED ROAD
ARCH SURVEY

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

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: BOROS FEDERAL 132H

132H LATITUDE N 32.0489492 132H LONGITUDE W 103.7684279

600'

CENTER OF PAD IS 385' FNL & 2005' 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

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_132H_REV5.DWG 9/15/2020 8:40:07 AM adisabella

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 132H

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

9. API Well No.
30-015-46849

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
JENNINGS; BONE SPRING

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T26S R31E 430FNL 2040FWL
32.048950 N Lat, 103.768073 W Lon

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 request to move the BHL of the Boros Federal Com #132H well from 100' FSL and 1981' FWL to 100' FSL and 1644' FWL. Please see attached C102.

Matador also requests the option to amend the casing and cement design to the attached plan. Add option to slim down 9-5/8? casing to 7-5/8? casing and deepen. 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.

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

Electronic Submission #531685 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 09/25/2020

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 ****

Boros Federal 132H
SHL: 430' FNL & 1930' FWL Section 15
BHL: 100' FSL & 1644' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3227

Drilling Operation Plan

Proposed Drilling Depth: 21194' MD / 10895' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.04999242294274 N / -103.76946114377785 W
TD Lat/Long (NAD83): 32.021094143130426 N / -103.76926379575896 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,336	1,336	159	Anhydrite	Barren
Salado (Top of Salt)	1,495	1,495	1,896	Salt	Barren
Castile	3,391	3,391	682	Salt	Barren
Lamar (Base of Salt)	4,073	4,073	43	Sandstone	Oil/Natural Gas
Bell Canyon	4,116	4,116	1,078	Sandstone	Oil/Natural Gas
Cherry Canyon	5,194	5,194	1,185	Sandstone	Oil/Natural Gas
Brushy Canyon	6,379	6,379	1,686	Limestone	Oil/Natural Gas
Bone Spring Lime	8,065	8,065	1,136	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	9,201	9,201	246	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,447	9,447	284	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,731	9,731	591	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	10,168	10,168	381	Carbonate	Oil/Natural Gas
KOP	**10,354**	**10,322**	**-**	**Carbonate**	**Oil/Natural Gas**
3rd Bone Spring Sand	10,640	10,549	-	Sandstone	Oil/Natural Gas
TD	**21,194**	**10,895**		**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 - 1361.4	0 - 1361.4	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10254	0 - 10254	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21194	0 - 10895	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	1178	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	1061	C	5% NaCl + LCM
Intermediate 1	Lead	900	3.66	3301	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	230	1.38	311	13.2	35%	9254	A/C	5% NaCl + LCM
Production	Lead	10	3.66	28	10.3	10%	10054	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	750	1.35	1006	13.2	10%	10354	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 - 1361.4	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Bine Emulsion	1361.4 - 10254	8.7 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	10254 - 21194	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 2929 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 Federal 132H
SHL: 430' FNL & 1930' FWL Section 15
BHL: 100' FSL & 1644' FWL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3227

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 - 1361.4	0 - 1361.4	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10254	0 - 10254	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 21194	0 - 10895	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 Federal #132H

Wellbore #1
BLM Plan #1

Anticollision Report

11 September, 2020

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 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** 9/11/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	21,194.3	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 #202H - Wellbore #1 - Actual Surveys	3,621.4	3,610.5	98.1	73.0	3.915	CC
Boros Fed Com #202H - Wellbore #1 - Actual Surveys	4,400.0	4,388.6	102.0	71.0	3.292	ES
Boros Fed Com #202H - Wellbore #1 - Actual Surveys	10,450.0	10,445.7	154.6	80.4	2.084	SF
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	2,172.6	2,174.4	84.4	69.4	5.617	CC
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	2,200.0	2,201.2	84.6	69.3	5.551	ES
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	21,100.0	21,950.0	1,098.4	845.4	4.342	SF
Boros Fed Com #222H - Wellbore #1 - BLM Plan #1	10,354.5	10,351.8	76.0	1.8	1.025	Level 2, CC
Boros Fed Com #222H - Wellbore #1 - BLM Plan #1	10,400.0	10,402.8	76.1	1.7	1.022	Level 2, ES, SF
Boros Fed Com #226H - Wellbore #1 - BLM Plan #1	2,216.8	2,218.7	66.1	50.6	4.277	CC, ES
Boros Fed Com #226H - Wellbore #1 - BLM Plan #1	2,300.0	2,301.1	67.0	50.9	4.174	SF
Boros Federal #022H - Wellbore #1 - BLM Plan #1	2,500.0	2,500.0	170.0	152.5	9.734	CC
Boros Federal #022H - Wellbore #1 - BLM Plan #1	2,600.0	2,600.0	170.6	152.4	9.383	ES
Boros Federal #022H - Wellbore #1 - BLM Plan #1	7,300.0	7,290.1	296.8	244.0	5.626	SF
Boros Federal #102H - Wellbore #1 - BLM Plan #1	7,745.7	7,747.5	72.0	16.0	1.287	Level 3, CC, ES, SF
Boros Federal #106H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	140.0	129.7	13.600	CC
Boros Federal #106H - Wellbore #1 - BLM Plan #1	1,600.0	1,598.5	140.5	129.5	12.774	ES
Boros Federal #106H - Wellbore #1 - BLM Plan #1	2,100.0	2,088.7	161.4	146.9	11.131	SF
Boros Federal #112H - Wellbore #1 - BLM Plan #1	2,500.0	2,500.0	114.1	96.6	6.533	CC
Boros Federal #112H - Wellbore #1 - BLM Plan #1	8,940.7	8,938.9	146.0	82.0	2.282	ES, SF
Boros Federal #122H - Wellbore #1 - BLM Plan #1	2,500.0	2,500.0	30.1	12.6	1.723	CC
Boros Federal #122H - Wellbore #1 - BLM Plan #1	2,700.0	2,699.0	30.8	11.9	1.631	ES
Boros Federal #122H - Wellbore #1 - BLM Plan #1	2,800.0	2,798.5	31.7	12.2	1.621	SF
Boros Federal #136H - Wellbore #1 - BLM Plan #1	2,500.0	2,500.0	42.5	25.0	2.432	CC, ES
Boros Federal #136H - Wellbore #1 - BLM Plan #1	21,194.3	21,200.5	666.0	319.7	1.923	SF
Boros Federal #242H - Wellbore #1 - BLM Plan #1	1,890.8	1,891.1	172.1	159.0	13.145	CC
Boros Federal #242H - Wellbore #1 - BLM Plan #1	2,000.0	1,999.9	172.3	158.5	12.419	ES
Boros Federal #242H - Wellbore #1 - BLM Plan #1	10,600.0	10,583.1	399.6	323.8	5.270	SF

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.38	-0.7	-110.0	110.0				

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
100.0	100.0	99.4	99.4	0.1	0.1	-90.39	-0.8	-109.8	109.8	109.5	0.28	394.773	
200.0	200.0	199.8	199.8	0.5	0.4	-90.45	-0.8	-109.2	109.2	108.4	0.84	129.348	
300.0	300.0	299.8	299.8	0.8	0.7	-90.63	-1.2	-108.5	108.5	106.9	1.56	69.535	
400.0	400.0	399.7	399.6	1.2	1.1	-90.85	-1.6	-107.8	107.9	105.6	2.28	47.381	
500.0	500.0	499.7	499.6	1.6	1.4	-91.11	-2.1	-107.2	107.2	104.2	2.99	35.824	
600.0	600.0	599.4	599.3	1.9	1.8	-91.30	-2.4	-106.7	106.8	103.0	3.71	28.786	
700.0	700.0	699.0	699.0	2.3	2.1	-91.38	-2.6	-106.6	106.6	102.2	4.42	24.120	
703.1	703.1	702.1	702.1	2.3	2.2	-91.38	-2.6	-106.6	106.6	102.2	4.44	24.000	
800.0	800.0	798.6	798.6	2.6	2.5	-91.44	-2.7	-106.7	106.8	101.6	5.12	20.858	
900.0	900.0	898.1	898.0	3.0	2.8	-91.49	-2.8	-107.3	107.4	101.5	5.81	18.471	
1,000.0	1,000.0	997.3	997.3	3.4	3.2	-91.52	-2.9	-108.5	108.6	102.1	6.51	16.685	
1,100.0	1,100.0	1,097.3	1,097.3	3.7	3.5	-91.60	-3.1	-110.2	110.2	103.0	7.21	15.290	
1,200.0	1,200.0	1,197.6	1,197.6	4.1	3.8	-91.49	-2.9	-111.6	111.7	103.8	7.91	14.110	
1,300.0	1,300.0	1,297.9	1,297.8	4.4	4.2	-91.18	-2.3	-112.8	112.8	104.2	8.62	13.088	
1,400.0	1,400.0	1,398.2	1,398.1	4.8	4.5	-90.86	-1.7	-113.7	113.7	104.4	9.33	12.195	
1,500.0	1,500.0	1,498.7	1,498.6	5.1	4.9	-90.43	-0.9	-114.3	114.3	104.2	10.03	11.389	
1,600.0	1,600.0	1,599.1	1,599.1	5.5	5.2	-89.96	0.1	-114.4	114.4	103.6	10.74	10.650	
1,690.9	1,690.9	1,690.3	1,690.2	5.8	5.6	-89.52	0.9	-114.2	114.2	102.8	11.38	10.035	
1,700.0	1,700.0	1,699.0	1,698.9	5.9	5.6	-89.49	1.0	-114.2	114.2	102.8	11.45	9.980	
1,800.0	1,800.0	1,797.5	1,797.4	6.2	5.9	-89.22	1.6	-115.2	115.2	103.0	12.15	9.482	
1,900.0	1,900.0	1,898.6	1,898.5	6.6	6.3	-89.07	1.9	-116.1	116.1	103.3	12.86	9.029	
2,000.0	2,000.0	2,000.2	2,000.1	6.9	6.6	-88.94	2.1	-115.8	115.8	102.3	13.57	8.534	
2,100.0	2,100.0	2,101.3	2,101.2	7.3	7.0	-88.87	2.3	-114.3	114.3	100.1	14.28	8.007	
2,200.0	2,200.0	2,202.0	2,201.9	7.7	7.3	-88.83	2.3	-112.0	112.1	97.1	14.99	7.477	
2,300.0	2,300.0	2,300.5	2,300.3	8.0	7.7	-88.66	2.6	-109.8	109.8	94.1	15.69	6.998	
2,368.2	2,368.2	2,367.4	2,367.2	8.3	7.9	-88.45	3.0	-109.5	109.5	93.3	16.17	6.770	
2,400.0	2,400.0	2,398.8	2,398.6	8.4	8.0	-88.30	3.2	-109.5	109.6	93.2	16.40	6.681	
2,500.0	2,500.0	2,496.4	2,496.2	8.7	8.4	-87.45	4.9	-110.7	110.9	93.8	17.09	6.485	
2,600.0	2,600.0	2,595.2	2,594.9	9.1	8.7	-45.61	8.4	-113.7	113.4	95.7	17.79	6.376	
2,700.0	2,700.0	2,694.8	2,694.3	9.4	9.1	-44.44	12.9	-117.1	115.4	96.9	18.49	6.242	
2,800.0	2,799.9	2,794.4	2,793.8	9.8	9.4	-44.12	16.9	-121.0	116.5	97.3	19.20	6.069	
2,900.0	2,899.7	2,894.7	2,893.9	10.2	9.8	-44.57	20.6	-124.9	116.4	96.5	19.91	5.846	
3,000.0	2,999.4	2,994.1	2,993.2	10.5	10.1	-45.74	24.1	-128.9	115.1	94.5	20.61	5.584	
3,100.0	3,098.9	3,093.3	3,092.2	10.9	10.5	-47.13	28.5	-133.4	113.3	92.0	21.31	5.314	
3,200.0	3,198.3	3,193.4	3,192.0	11.2	10.8	-48.71	34.0	-138.2	110.6	88.6	22.03	5.021	
3,300.0	3,297.4	3,293.3	3,291.7	11.6	11.2	-51.24	39.3	-142.6	106.6	83.8	22.75	4.683	
3,400.0	3,396.4	3,392.1	3,390.1	12.0	11.6	-53.72	45.4	-147.8	103.0	79.6	23.47	4.391	
3,500.0	3,495.5	3,491.6	3,489.3	12.3	11.9	-56.21	51.9	-153.4	100.0	75.8	24.19	4.134	
3,600.0	3,594.5	3,589.7	3,587.0	12.7	12.3	-58.78	58.2	-159.9	98.2	73.3	24.91	3.941	
3,621.4	3,615.7	3,610.5	3,607.7	12.8	12.4	-59.22	59.6	-161.6	98.1	73.0	25.05	3.915	CC
3,700.0	3,693.5	3,688.3	3,684.9	13.1	12.6	-60.57	65.5	-168.7	98.7	73.0	25.62	3.851	
3,800.0	3,792.5	3,788.8	3,784.8	13.5	13.0	-62.73	72.3	-177.8	99.5	73.1	26.38	3.770	
3,900.0	3,891.6	3,888.9	3,884.4	13.9	13.4	-65.62	78.0	-185.9	99.7	72.6	27.14	3.674	
4,000.0	3,990.6	3,988.9	3,983.7	14.2	13.8	-67.44	85.4	-194.5	100.3	72.4	27.90	3.593	
4,100.0	4,089.6	4,089.3	4,083.5	14.6	14.1	-69.03	93.3	-203.0	100.6	72.0	28.67	3.510	
4,200.0	4,188.6	4,189.1	4,182.7	15.0	14.5	-70.73	101.0	-211.2	100.8	71.4	29.44	3.425	
4,300.0	4,287.7	4,289.0	4,281.7	15.4	14.9	-71.61	110.0	-220.1	101.3	71.1	30.21	3.353	
4,400.0	4,386.7	4,388.6	4,380.5	15.8	15.3	-72.23	119.3	-229.3	102.0	71.0	30.97	3.292	ES
4,500.0	4,485.7	4,488.5	4,479.5	16.2	15.7	-72.84	128.5	-238.8	102.9	71.2	31.74	3.242	
4,600.0	4,584.8	4,588.1	4,578.2	16.6	16.0	-73.56	137.4	-248.4	104.1	71.6	32.52	3.203	
4,700.0	4,683.8	4,688.3	4,677.5	17.0	16.4	-74.32	146.2	-258.0	105.4	72.1	33.30	3.166	
4,800.0	4,782.8	4,788.5	4,776.9	17.4	16.8	-75.17	154.9	-267.4	106.6	72.5	34.09	3.126	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,881.8	4,888.5	4,876.2	17.8	17.2	-76.11	163.5	-276.6	107.6	72.7	34.88	3.084	
5,000.0	4,980.9	4,988.5	4,975.4	18.2	17.6	-77.23	171.7	-285.6	108.6	73.0	35.67	3.045	
5,100.0	5,079.9	5,088.3	5,074.5	18.6	18.0	-78.60	179.5	-294.4	109.7	73.3	36.46	3.010	
5,200.0	5,178.9	5,188.1	5,173.6	19.0	18.4	-80.19	186.7	-303.1	111.1	73.9	37.25	2.983	
5,300.0	5,277.9	5,288.0	5,272.9	19.4	18.8	-81.88	193.7	-311.7	112.7	74.6	38.05	2.962	
5,400.0	5,377.0	5,387.8	5,372.2	19.8	19.1	-83.68	200.4	-320.2	114.4	75.5	38.85	2.944	
5,500.0	5,476.0	5,487.6	5,471.4	20.2	19.5	-85.47	206.9	-328.7	116.3	76.6	39.65	2.933	
5,600.0	5,575.0	5,587.3	5,570.6	20.6	19.9	-87.36	213.1	-337.1	118.4	78.0	40.44	2.928	
5,700.0	5,674.0	5,688.1	5,670.8	21.0	20.3	-89.15	219.6	-345.5	120.5	79.3	41.25	2.921	
5,800.0	5,773.1	5,788.2	5,770.1	21.4	20.7	-90.24	227.4	-354.3	122.1	80.1	42.05	2.905	
5,900.0	5,872.1	5,888.0	5,869.2	21.8	21.1	-91.10	235.4	-363.4	123.9	81.0	42.85	2.891	
6,000.0	5,971.1	5,988.1	5,968.7	22.2	21.5	-92.10	243.3	-372.3	125.6	82.0	43.65	2.878	
6,100.0	6,070.2	6,088.6	6,068.4	22.6	21.9	-93.19	251.1	-380.9	127.1	82.7	44.46	2.860	
6,199.8	6,169.0	6,188.5	6,167.7	23.0	22.3	-94.28	259.1	-389.1	128.4	83.1	45.25	2.837	
6,300.0	6,268.4	6,288.4	6,267.0	23.4	22.6	-94.91	266.8	-397.2	129.7	83.6	46.05	2.816	
6,400.0	6,367.9	6,388.2	6,366.3	23.8	23.0	-94.70	273.9	-405.0	131.0	84.2	46.82	2.798	
6,500.0	6,467.6	6,488.5	6,465.9	24.2	23.4	-93.19	281.3	-413.0	131.9	84.4	47.58	2.773	
6,600.0	6,567.5	6,588.3	6,565.0	24.5	23.8	-90.47	289.0	-421.0	132.9	84.6	48.32	2.751	
6,700.0	6,667.5	6,688.3	6,664.6	24.9	24.2	-87.00	296.1	-428.5	134.2	85.1	49.02	2.737	
6,733.1	6,700.6	6,721.5	6,697.6	25.0	24.3	-126.01	298.7	-431.0	134.6	85.4	49.25	2.734	
6,800.0	6,767.5	6,788.1	6,763.8	25.2	24.6	-122.95	304.0	-436.0	135.8	86.1	49.70	2.732	
6,900.0	6,867.5	6,887.5	6,862.6	25.6	25.0	-118.50	311.9	-443.4	138.1	87.8	50.35	2.744	
7,000.0	6,967.5	6,986.9	6,961.4	25.9	25.4	-114.40	319.5	-450.7	141.3	90.3	50.98	2.772	
7,100.0	7,067.5	7,086.4	7,060.4	26.2	25.7	-110.76	326.4	-457.7	145.2	93.6	51.61	2.813	
7,200.0	7,167.5	7,185.7	7,159.3	26.6	26.1	-107.47	333.0	-464.7	149.7	97.4	52.24	2.865	
7,300.0	7,267.5	7,287.1	7,260.1	26.9	26.5	-104.15	340.2	-471.5	154.2	101.3	52.88	2.915	
7,400.0	7,367.5	7,386.9	7,359.4	27.3	26.9	-100.57	348.8	-477.7	158.4	104.9	53.50	2.961	
7,500.0	7,467.5	7,486.2	7,458.2	27.6	27.3	-97.15	357.6	-483.8	163.2	109.1	54.11	3.016	
7,600.0	7,567.5	7,586.2	7,557.6	27.9	27.7	-94.09	365.8	-489.9	168.4	113.7	54.74	3.077	
7,700.0	7,667.5	7,687.9	7,658.9	28.3	28.1	-91.61	373.0	-495.1	173.3	117.9	55.39	3.128	
7,800.0	7,767.5	7,790.7	7,761.5	28.6	28.4	-89.79	378.5	-499.0	177.0	120.9	56.04	3.158	
7,900.0	7,867.5	7,894.0	7,864.7	29.0	28.8	-88.68	382.0	-500.7	178.7	122.0	56.70	3.151	
8,000.0	7,967.5	7,994.9	7,965.6	29.3	29.2	-87.91	384.4	-501.3	179.3	121.9	57.37	3.125	
8,100.0	8,067.5	8,094.6	8,065.3	29.7	29.5	-87.39	386.0	-501.7	179.8	121.8	58.05	3.098	
8,200.0	8,167.5	8,194.1	8,164.7	30.0	29.9	-87.02	387.2	-502.5	180.6	121.9	58.75	3.075	
8,300.0	8,267.5	8,294.3	8,265.0	30.4	30.2	-86.72	388.2	-503.4	181.6	122.1	59.43	3.055	
8,400.0	8,367.5	8,395.0	8,365.7	30.7	30.6	-86.45	389.1	-504.0	182.2	122.1	60.12	3.031	
8,500.0	8,467.5	8,494.3	8,465.0	31.0	30.9	-86.32	389.6	-504.5	182.8	122.0	60.82	3.005	
8,600.0	8,567.5	8,593.3	8,563.9	31.4	31.2	-86.30	389.7	-505.6	183.9	122.3	61.52	2.989	
8,700.0	8,667.5	8,695.4	8,666.0	31.7	31.6	-86.53	389.0	-506.5	184.7	122.5	62.20	2.970	
8,800.0	8,767.5	8,798.5	8,769.1	32.1	31.9	-87.10	387.1	-505.9	184.1	121.2	62.86	2.929	
8,900.0	8,867.5	8,900.3	8,870.8	32.4	32.2	-87.92	384.4	-503.9	182.0	118.4	63.52	2.864	
9,000.0	8,967.5	8,999.3	8,969.8	32.8	32.5	-88.59	382.3	-501.9	179.9	115.7	64.23	2.801	
9,100.0	9,067.5	9,099.3	9,069.8	33.1	32.8	-89.17	380.4	-500.1	178.0	113.1	64.92	2.743	
9,200.0	9,167.5	9,198.7	9,169.2	33.5	33.1	-89.72	378.7	-498.4	176.3	110.7	65.62	2.686	
9,300.0	9,267.5	9,298.5	9,268.9	33.8	33.5	-90.28	377.0	-497.0	174.9	108.6	66.31	2.638	
9,400.0	9,367.5	9,398.4	9,368.8	34.2	33.8	-90.88	375.2	-495.5	173.5	106.5	67.01	2.589	
9,500.0	9,467.5	9,498.2	9,468.6	34.5	34.1	-91.43	373.5	-494.3	172.2	104.5	67.70	2.544	
9,600.0	9,567.5	9,599.3	9,569.7	34.9	34.4	-91.96	372.0	-492.7	170.8	102.4	68.38	2.497	
9,700.0	9,667.5	9,700.6	9,670.9	35.2	34.7	-92.58	370.3	-490.4	168.5	99.4	69.05	2.440	
9,800.0	9,767.5	9,800.2	9,770.4	35.6	35.1	-93.06	369.0	-487.7	165.9	96.1	69.75	2.378	
9,900.0	9,867.5	9,899.8	9,870.1	35.9	35.4	-93.29	368.5	-485.4	163.6	93.1	70.45	2.322	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,967.5	10,000.4	9,970.6	36.3	35.7	-93.49	368.0	-483.0	161.2	90.1	71.12	2.267	
10,100.0	10,067.5	10,098.0	10,068.2	36.6	36.0	-93.75	367.4	-481.2	159.5	87.6	71.85	2.219	
10,200.0	10,167.5	10,198.4	10,168.6	37.0	36.4	-93.98	366.9	-480.0	158.3	85.8	72.53	2.183	
10,300.0	10,267.5	10,299.9	10,270.1	37.3	36.7	-94.35	366.0	-477.8	156.2	83.0	73.20	2.134	
10,354.5	10,322.0	10,353.1	10,323.2	37.5	36.9	-94.65	365.3	-476.8	155.2	81.6	73.61	2.108	
10,400.0	10,367.4	10,397.3	10,367.5	37.6	37.0	89.26	364.5	-476.2	154.7	80.8	73.91	2.093	
10,435.6	10,402.8	10,431.9	10,402.0	37.7	37.1	90.45	363.9	-476.1	154.5	80.4	74.11	2.085	
10,450.0	10,417.0	10,445.7	10,415.8	37.8	37.2	91.15	363.6	-476.1	154.6	80.4	74.18	2.084	SF
10,500.0	10,465.9	10,494.2	10,464.3	37.9	37.3	94.49	362.7	-476.2	155.3	80.9	74.39	2.087	
10,550.0	10,513.7	10,542.1	10,512.2	38.0	37.5	99.09	361.8	-476.4	157.3	82.7	74.54	2.110	
10,600.0	10,560.0	10,588.4	10,558.5	38.2	37.6	104.51	361.0	-476.7	161.6	86.9	74.67	2.164	
10,650.0	10,604.5	10,632.8	10,602.8	38.3	37.8	110.24	360.3	-477.1	169.3	94.5	74.79	2.264	
10,700.0	10,646.9	10,674.9	10,645.0	38.3	37.9	115.79	359.6	-477.6	181.5	106.6	74.94	2.422	
10,750.0	10,686.8	10,714.6	10,684.7	38.4	38.1	120.70	359.0	-478.2	198.7	123.6	75.12	2.645	
10,800.0	10,723.9	10,751.7	10,721.7	38.5	38.2	124.74	358.3	-479.0	220.9	145.6	75.33	2.933	
10,850.0	10,758.0	10,787.8	10,757.8	38.5	38.3	128.07	357.5	-479.9	248.0	172.4	75.54	3.283	
10,900.0	10,788.7	10,822.9	10,792.9	38.6	38.4	130.63	356.3	-480.7	279.0	203.3	75.73	3.685	
10,950.0	10,815.9	10,855.3	10,825.2	38.6	38.5	132.20	354.8	-481.3	313.6	237.7	75.89	4.132	
11,000.0	10,839.3	10,992.3	10,958.8	38.6	38.9	146.22	329.4	-474.9	348.5	276.8	71.67	4.863	
11,050.0	10,858.8	11,048.8	11,011.0	38.7	39.0	149.28	308.8	-468.4	379.2	308.9	70.30	5.395	
11,100.0	10,874.2	11,118.9	11,073.5	38.7	39.2	152.96	278.3	-459.6	411.3	343.5	67.77	6.068	
11,150.0	10,885.4	11,193.4	11,136.4	38.7	39.3	156.47	239.9	-448.6	443.3	378.6	64.71	6.851	
11,200.0	10,892.4	11,368.2	11,263.4	38.8	39.6	164.32	125.1	-418.1	474.1	421.5	52.66	9.004	
11,254.5	10,895.0	11,641.3	11,378.9	38.9	40.0	170.73	-113.9	-371.3	498.7	463.3	35.39	14.092	
11,300.0	10,895.0	11,691.1	11,387.9	39.0	40.1	171.31	-162.3	-363.8	506.2	471.0	35.15	14.402	
11,407.5	10,895.0	11,857.9	11,406.8	39.3	40.5	174.06	-325.3	-335.4	516.1	482.3	33.78	15.276	
11,500.0	10,895.0	11,957.7	11,412.7	39.6	40.9	176.01	-423.4	-317.5	520.3	486.3	33.98	15.311	
11,600.0	10,895.0	12,073.1	11,415.0	40.0	41.4	177.91	-537.3	-299.4	521.4	486.8	34.56	15.085	
11,700.0	10,895.0	12,192.6	11,414.2	40.5	42.0	179.60	-655.7	-283.1	520.5	484.9	35.58	14.630	
11,800.0	10,895.0	12,284.8	11,411.9	41.0	42.5	-179.34	-747.2	-272.8	518.1	481.8	36.24	14.297	
11,900.0	10,895.0	12,391.8	11,409.6	41.6	43.1	-178.48	-853.9	-264.3	516.0	478.7	37.26	13.849	
12,000.0	10,895.0	12,485.9	11,407.5	42.2	43.7	-178.09	-947.9	-260.1	513.9	475.9	38.02	13.519	
12,100.0	10,895.0	12,587.8	11,405.4	42.9	44.4	-177.72	-1,049.7	-256.1	512.0	473.0	38.98	13.133	
12,200.0	10,895.0	12,682.3	11,403.9	43.6	45.1	-177.85	-1,144.1	-256.6	510.3	470.6	39.74	12.842	
12,231.5	10,895.0	12,708.9	11,403.8	43.9	45.4	-177.94	-1,170.7	-257.2	510.1	470.2	39.92	12.778	
12,300.0	10,895.0	12,767.9	11,404.4	44.4	45.8	-178.09	-1,229.7	-258.0	510.8	470.5	40.38	12.649	
12,400.0	10,895.0	12,867.7	11,406.4	45.2	46.6	-178.48	-1,329.4	-260.7	512.8	471.5	41.27	12.424	
12,500.0	10,895.0	12,971.9	11,408.3	46.1	47.5	-179.27	-1,433.4	-266.9	514.5	472.3	42.20	12.189	
12,600.0	10,895.0	13,074.8	11,408.6	47.0	48.4	179.96	-1,536.1	-273.1	514.7	471.5	43.19	11.917	
12,700.0	10,895.0	13,163.7	11,410.6	48.0	49.3	179.85	-1,625.0	-273.4	516.8	472.7	44.07	11.727	
12,800.0	10,895.0	13,274.4	11,412.6	49.0	50.4	179.87	-1,735.7	-272.4	518.7	473.3	45.34	11.439	
12,900.0	10,895.0	13,380.2	11,412.4	50.0	51.4	179.72	-1,841.5	-272.9	518.4	471.8	46.57	11.133	
12,950.2	10,895.0	13,429.0	11,412.2	50.5	51.9	179.62	-1,890.3	-273.4	518.3	471.2	47.10	11.003	
13,000.0	10,895.0	13,470.9	11,412.5	51.1	52.4	179.54	-1,932.2	-273.8	518.6	471.1	47.52	10.914	
13,100.0	10,895.0	13,570.5	11,414.7	52.2	53.5	179.32	-2,031.7	-275.1	520.8	472.1	48.67	10.701	
13,200.0	10,895.0	13,674.4	11,415.3	53.3	54.6	179.10	-2,135.6	-276.3	521.4	471.5	49.92	10.444	
13,300.0	10,895.0	13,779.2	11,415.9	54.4	55.8	179.55	-2,240.3	-271.4	522.0	470.7	51.27	10.181	
13,400.0	10,895.0	13,891.4	11,414.5	55.6	57.1	-179.88	-2,352.3	-265.4	520.7	467.9	52.84	9.854	
13,500.0	10,895.0	13,984.3	11,412.7	56.8	58.2	-179.39	-2,445.1	-260.1	518.8	464.8	53.99	9.609	
13,542.0	10,895.0	14,020.6	11,412.5	57.3	58.7	-179.20	-2,481.3	-258.2	518.6	464.1	54.42	9.528	
13,600.0	10,895.0	14,070.0	11,412.8	58.0	59.3	-178.91	-2,530.6	-255.1	519.0	464.0	55.02	9.433	
13,700.0	10,895.0	14,175.4	11,414.3	59.2	60.6	-178.16	-2,635.8	-247.5	520.6	464.0	56.57	9.203	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	10,895.0	14,268.9	11,415.3	60.5	61.8	-177.85	-2,729.1	-243.9	521.8	464.0	57.80	9.028	
13,900.0	10,895.0	14,371.7	11,417.2	61.8	63.1	-178.06	-2,831.9	-245.0	523.6	464.5	59.12	8.856	
14,000.0	10,895.0	14,489.0	11,416.2	63.1	64.6	-178.37	-2,949.1	-247.0	522.5	461.8	60.77	8.599	
14,100.0	10,895.0	14,585.4	11,415.3	64.4	65.8	-178.67	-3,045.5	-249.0	521.5	459.6	61.96	8.418	
14,200.0	10,895.0	14,683.3	11,413.1	65.7	67.1	-178.99	-3,143.3	-251.1	519.3	456.1	63.19	8.217	
14,213.0	10,895.0	14,692.2	11,413.1	65.9	67.2	-179.02	-3,152.2	-251.3	519.2	455.9	63.27	8.207	
14,300.0	10,895.0	14,758.1	11,415.0	67.0	68.1	-179.23	-3,218.1	-252.7	521.5	457.5	63.95	8.154	
14,400.0	10,895.0	14,887.5	11,415.1	68.4	69.8	-179.39	-3,347.5	-253.2	521.2	455.2	65.95	7.903	
14,500.0	10,895.0	14,984.7	11,413.8	69.8	71.1	-179.38	-3,444.6	-252.3	519.9	452.7	67.25	7.731	
14,600.0	10,895.0	15,083.1	11,413.0	71.1	72.5	-179.19	-3,543.1	-249.9	519.1	450.4	68.63	7.563	
14,700.0	10,895.0	15,180.9	11,412.3	72.5	73.9	-178.75	-3,640.8	-245.2	518.5	448.5	70.05	7.402	
14,800.0	10,895.0	15,284.1	11,411.9	73.9	75.3	-178.29	-3,743.8	-240.2	518.1	446.5	71.62	7.235	
14,900.0	10,895.0	15,386.7	11,410.5	75.3	76.7	-178.04	-3,846.3	-237.2	516.9	443.7	73.15	7.066	
15,000.0	10,895.0	15,485.6	11,409.2	76.7	78.1	-178.16	-3,945.3	-237.6	515.5	441.0	74.50	6.920	
15,039.6	10,895.0	15,519.1	11,409.0	77.3	78.6	-178.26	-3,978.8	-238.3	515.2	440.3	74.89	6.880	
15,100.0	10,895.0	15,563.5	11,409.7	78.2	79.2	-178.43	-4,023.1	-239.4	516.2	440.8	75.32	6.853	
15,200.0	10,895.0	15,647.1	11,414.1	79.6	80.4	-178.81	-4,106.6	-242.0	521.3	445.0	76.28	6.834	
15,300.0	10,895.0	15,749.6	11,420.8	81.1	81.9	-179.06	-4,208.8	-243.5	527.8	450.0	77.73	6.790	
15,400.0	10,895.0	15,882.0	11,425.0	82.5	83.8	-179.09	-4,341.2	-242.6	531.1	451.2	79.92	6.645	
15,500.0	10,895.0	15,995.2	11,422.9	84.0	85.5	-178.90	-4,454.3	-240.1	529.3	447.6	81.71	6.478	
15,600.0	10,895.0	16,093.5	11,420.0	85.4	86.9	-178.69	-4,552.5	-237.4	526.4	443.2	83.16	6.330	
15,700.0	10,895.0	16,186.2	11,418.4	86.9	88.3	-178.38	-4,645.1	-233.9	524.7	440.2	84.50	6.210	
15,800.0	10,895.0	16,282.2	11,417.4	88.4	89.7	-178.03	-4,741.0	-230.0	523.7	437.7	85.94	6.093	
15,815.0	10,895.0	16,295.3	11,417.3	88.6	89.9	-177.98	-4,754.1	-229.4	523.7	437.5	86.13	6.080	
15,900.0	10,895.0	16,373.2	11,418.0	89.9	91.0	-177.63	-4,831.9	-225.6	524.5	437.2	87.30	6.008	
16,000.0	10,895.0	16,475.4	11,418.9	91.4	92.6	-177.54	-4,934.1	-224.0	525.4	436.6	88.84	5.914	
16,100.0	10,895.0	16,572.8	11,420.2	92.8	94.0	-177.59	-5,031.5	-223.6	526.8	436.5	90.23	5.838	
16,200.0	10,895.0	16,681.7	11,421.3	94.3	95.6	-177.55	-5,140.4	-222.3	527.8	435.8	91.94	5.741	
16,300.0	10,895.0	16,792.7	11,419.5	95.9	97.3	-177.49	-5,251.3	-221.1	526.2	432.5	93.69	5.616	
16,400.0	10,895.0	16,883.0	11,417.8	97.4	98.7	-177.46	-5,341.6	-220.1	524.3	429.4	94.95	5.522	
16,416.3	10,895.0	16,896.7	11,417.8	97.6	98.9	-177.45	-5,355.3	-219.9	524.3	429.2	95.13	5.511	
16,500.0	10,895.0	16,977.5	11,418.2	98.9	100.1	-177.32	-5,436.1	-218.1	524.8	428.4	96.34	5.447	
16,600.0	10,895.0	17,081.5	11,418.4	100.4	101.7	-177.08	-5,540.1	-215.1	525.1	427.0	98.02	5.357	
16,700.0	10,895.0	17,191.0	11,417.2	101.9	103.3	-176.90	-5,649.5	-212.6	524.0	424.2	99.81	5.251	
16,800.0	10,895.0	17,288.2	11,415.2	103.4	104.8	-176.69	-5,746.7	-210.1	522.2	420.9	101.32	5.154	
16,900.0	10,895.0	17,405.5	11,411.7	105.0	106.6	-176.65	-5,863.8	-209.1	519.2	416.0	103.22	5.030	
17,000.0	10,895.0	17,485.8	11,410.0	106.5	107.8	-176.83	-5,944.1	-210.1	516.8	412.7	104.19	4.961	
17,100.0	10,895.0	17,584.1	11,409.3	108.1	109.3	-177.13	-6,042.4	-212.1	516.0	410.5	105.52	4.890	
17,144.1	10,895.0	17,624.8	11,409.3	108.7	110.0	-177.25	-6,083.2	-212.9	515.9	409.8	106.05	4.865	
17,200.0	10,895.0	17,676.9	11,409.5	109.6	110.8	-177.36	-6,135.2	-213.4	516.1	409.4	106.75	4.835	
17,300.0	10,895.0	17,770.8	11,410.9	111.1	112.2	-177.48	-6,229.1	-213.7	517.5	409.5	108.04	4.790	
17,400.0	10,895.0	17,878.6	11,411.9	112.7	113.8	-177.65	-6,336.9	-214.4	518.4	408.7	109.69	4.726	
17,500.0	10,895.0	17,974.2	11,413.0	114.2	115.3	-177.75	-6,432.5	-214.6	519.4	408.4	111.04	4.678	
17,600.0	10,895.0	18,084.1	11,413.5	115.8	117.0	-177.85	-6,542.4	-214.6	519.9	407.1	112.77	4.610	
17,700.0	10,895.0	18,188.5	11,412.0	117.3	118.6	-178.19	-6,646.8	-217.0	518.4	404.1	114.27	4.536	
17,800.0	10,895.0	18,282.3	11,411.3	118.9	120.1	-178.46	-6,740.5	-218.7	517.5	401.9	115.55	4.478	
17,821.5	10,895.0	18,302.4	11,411.2	119.2	120.4	-178.49	-6,760.6	-218.8	517.4	401.6	115.83	4.467	
17,900.0	10,895.0	18,382.4	11,411.6	120.5	121.6	-178.49	-6,840.6	-218.1	517.7	400.7	117.05	4.423	
18,000.0	10,895.0	18,495.4	11,409.2	122.0	123.4	-178.47	-6,953.6	-217.2	515.6	396.8	118.88	4.338	
18,100.0	10,895.0	18,597.8	11,406.1	123.6	125.0	-178.39	-7,056.0	-215.8	512.6	392.1	120.46	4.255	
18,200.0	10,895.0	18,686.5	11,403.7	125.1	126.4	-178.35	-7,144.6	-214.8	510.0	388.3	121.73	4.190	
18,300.0	10,895.0	18,784.8	11,403.6	126.7	127.9	-178.44	-7,242.9	-214.8	509.8	386.6	123.18	4.139	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,400.0	10,895.0	18,890.3	11,402.1	128.3	129.6	-178.59	-7,348.4	-215.4	508.3	383.5	124.78	4.074	
18,500.0	10,895.0	18,990.2	11,400.2	129.9	131.1	-178.72	-7,448.2	-215.8	506.4	380.2	126.26	4.011	
18,558.9	10,895.0	19,040.0	11,399.6	130.8	131.9	-178.79	-7,498.0	-216.0	505.8	378.9	126.92	3.985	
18,600.0	10,895.0	19,072.5	11,399.9	131.4	132.4	-178.81	-7,530.5	-216.0	506.1	378.8	127.30	3.976	
18,700.0	10,895.0	19,168.4	11,402.5	133.0	133.9	-178.87	-7,626.4	-215.7	508.8	380.1	128.69	3.954	
18,800.0	10,895.0	19,269.6	11,404.9	134.6	135.5	-178.95	-7,727.6	-215.6	511.1	380.8	130.23	3.924	
18,900.0	10,895.0	19,358.1	11,407.6	136.2	136.9	-178.98	-7,816.0	-215.1	514.2	382.8	131.39	3.914	
19,000.0	10,895.0	19,474.8	11,411.8	137.7	138.8	-178.92	-7,932.7	-213.6	517.9	384.5	133.43	3.882	
19,100.0	10,895.0	19,579.3	11,412.8	139.3	140.4	-178.93	-8,037.1	-212.9	518.9	383.8	135.07	3.841	
19,200.0	10,895.0	19,690.1	11,411.4	140.9	142.2	-179.00	-8,148.0	-212.7	517.5	380.7	136.85	3.782	
19,300.0	10,895.0	19,787.3	11,410.8	142.5	143.7	-179.21	-8,245.1	-213.9	516.9	378.6	138.26	3.739	
19,400.0	10,895.0	19,890.8	11,407.7	144.1	145.3	-179.46	-8,348.6	-215.4	513.8	374.0	139.82	3.675	
19,435.1	10,895.0	19,916.5	11,407.5	144.6	145.7	-179.50	-8,374.2	-215.5	513.5	373.4	140.12	3.665	
19,500.0	10,895.0	19,971.7	11,408.3	145.7	146.6	-179.51	-8,429.5	-215.2	514.5	373.6	140.85	3.653	
19,600.0	10,895.0	20,095.3	11,408.7	147.3	148.6	-179.19	-8,553.0	-211.3	514.9	371.9	143.02	3.601	
19,700.0	10,895.0	20,189.0	11,405.2	148.9	150.1	-178.96	-8,646.5	-208.6	511.4	366.9	144.46	3.540	
19,726.8	10,895.0	20,208.3	11,405.1	149.3	150.4	-178.92	-8,665.9	-208.1	511.2	366.5	144.70	3.533	
19,800.0	10,895.0	20,287.6	11,405.4	150.5	151.6	-178.75	-8,745.1	-205.9	511.6	365.6	146.01	3.504	
19,900.0	10,895.0	20,392.8	11,402.7	152.0	153.3	-178.60	-8,850.3	-203.8	509.0	361.3	147.71	3.446	
20,000.0	10,895.0	20,488.2	11,401.1	153.6	154.8	-178.49	-8,945.7	-202.2	507.3	358.1	149.17	3.401	
20,083.4	10,895.0	20,565.0	11,400.4	155.0	156.1	-178.27	-9,022.4	-199.7	506.7	356.3	150.36	3.370	
20,100.0	10,895.0	20,579.9	11,400.5	155.2	156.3	-178.25	-9,037.3	-199.4	506.7	356.1	150.57	3.365	
20,200.0	10,895.0	20,694.4	11,400.1	156.8	158.1	-178.29	-9,151.8	-198.9	506.4	354.0	152.44	3.322	
20,300.0	10,895.0	20,813.2	11,394.0	158.4	160.0	-178.30	-9,270.4	-198.2	501.2	346.9	154.29	3.248	
20,400.0	10,895.0	20,884.2	11,391.6	160.0	161.2	-178.21	-9,341.3	-196.9	497.8	342.5	155.30	3.206	
20,500.0	10,895.0	20,985.8	11,391.3	161.6	162.8	-178.03	-9,442.9	-194.7	497.7	340.7	156.95	3.171	
20,516.6	10,895.0	21,003.5	11,391.2	161.9	163.1	-178.02	-9,460.6	-194.4	497.5	340.3	157.24	3.164	
20,600.0	10,895.0	21,063.8	11,392.3	163.2	164.0	-177.88	-9,520.9	-192.7	499.0	341.1	157.89	3.160	
20,700.0	10,895.0	21,183.5	11,395.3	164.8	166.0	-177.49	-9,640.5	-188.3	501.7	341.5	160.21	3.132	
20,800.0	10,895.0	21,300.3	11,391.6	166.4	167.8	-177.23	-9,757.1	-185.3	498.5	336.3	162.25	3.073	
20,891.2	10,895.0	21,373.3	11,390.2	167.9	169.0	-176.97	-9,830.1	-182.5	496.9	333.5	163.39	3.041	
20,900.0	10,895.0	21,380.9	11,390.2	168.0	169.1	-176.93	-9,837.7	-182.1	496.9	333.4	163.52	3.039	
21,000.0	10,895.0	21,467.4	11,391.4	169.6	170.5	-176.42	-9,924.0	-176.9	498.6	333.6	164.97	3.022	
21,100.0	10,895.0	21,547.0	11,393.3	171.2	171.8	-175.91	-10,003.4	-171.7	501.9	335.8	166.08	3.022	
21,194.3	10,895.0	21,547.0	11,393.3	172.8	171.8	-175.91	-10,003.4	-171.7	517.2	355.6	161.53	3.202	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-75.13	29.3	-110.2	114.0				
100.0	100.0	100.0	100.0	0.1	0.2	-74.99	29.4	-109.7	113.6	113.3	0.28	400.695	
200.0	200.0	200.7	200.7	0.5	0.4	-74.59	29.8	-108.3	112.3	111.5	0.85	131.847	
300.0	300.0	300.8	300.8	0.8	0.7	-74.19	30.2	-106.6	110.8	109.2	1.57	70.711	
400.0	400.0	400.8	400.7	1.2	1.1	-73.81	30.4	-104.8	109.2	106.9	2.28	47.832	
500.0	500.0	500.9	500.8	1.6	1.4	-73.44	30.7	-103.1	107.6	104.6	3.00	35.865	
600.0	600.0	601.0	600.9	1.9	1.8	-73.17	30.6	-101.2	105.8	102.1	3.72	28.464	
700.0	700.0	700.5	700.4	2.3	2.2	-73.04	30.4	-99.6	104.1	99.7	4.43	23.504	
800.0	800.0	799.7	799.6	2.6	2.5	-72.72	30.7	-98.6	103.2	98.1	5.14	20.084	
888.7	888.7	887.8	887.7	3.0	2.8	-72.27	31.4	-98.1	103.0	97.2	5.77	17.855	
900.0	900.0	899.0	898.9	3.0	2.9	-72.20	31.5	-98.1	103.0	97.2	5.85	17.611	
1,000.0	1,000.0	999.2	999.1	3.4	3.2	-71.51	32.7	-97.8	103.1	96.5	6.56	15.717	
1,100.0	1,100.0	1,099.2	1,099.1	3.7	3.6	-70.74	34.0	-97.2	103.0	95.7	7.27	14.160	
1,200.0	1,200.0	1,199.7	1,199.5	4.1	3.9	-69.84	35.4	-96.4	102.7	94.7	7.99	12.856	
1,300.0	1,300.0	1,300.3	1,300.1	4.4	4.3	-68.81	36.8	-95.0	101.9	93.2	8.71	11.701	
1,400.0	1,400.0	1,399.8	1,399.6	4.8	4.6	-67.75	38.2	-93.5	101.0	91.6	9.42	10.721	
1,466.8	1,466.8	1,466.0	1,465.8	5.0	4.9	-67.02	39.3	-92.8	100.8	90.9	9.90	10.185	
1,500.0	1,500.0	1,499.0	1,498.8	5.1	5.0	-66.66	40.0	-92.6	100.8	90.7	10.13	9.952	
1,600.0	1,600.0	1,601.0	1,600.7	5.5	5.4	-64.31	43.3	-90.0	99.9	89.1	10.86	9.205	
1,700.0	1,700.0	1,701.4	1,701.0	5.9	5.7	-61.03	47.5	-85.8	98.0	86.5	11.58	8.469	
1,800.0	1,800.0	1,802.1	1,801.5	6.2	6.1	-57.97	50.9	-81.3	95.9	83.6	12.30	7.800	
1,900.0	1,900.0	1,903.4	1,902.6	6.6	6.5	-54.13	54.2	-75.0	92.6	79.6	13.02	7.109	
2,000.0	2,000.0	2,003.8	2,002.4	6.9	6.8	-48.23	59.0	-66.1	88.7	75.0	13.76	6.450	
2,100.0	2,100.0	2,103.1	2,101.0	7.3	7.2	-40.81	64.6	-55.8	85.3	70.8	14.49	5.887	
2,172.6	2,172.6	2,174.4	2,171.6	7.6	7.5	-34.26	69.8	-47.5	84.4	69.4	15.03	5.617	CC
2,200.0	2,200.0	2,201.2	2,198.2	7.7	7.6	-31.66	72.0	-44.4	84.6	69.3	15.23	5.551	ES
2,300.0	2,300.0	2,299.0	2,294.8	8.0	8.0	-21.84	81.0	-32.5	87.4	71.4	15.96	5.476	
2,400.0	2,400.0	2,396.6	2,390.8	8.4	8.4	-11.63	92.0	-18.9	94.3	77.6	16.67	5.656	
2,500.0	2,500.0	2,494.5	2,487.0	8.7	8.8	-2.34	103.7	-4.2	104.5	87.2	17.36	6.021	
2,600.0	2,600.0	2,594.1	2,584.8	9.1	9.2	45.63	115.2	10.0	115.9	97.9	18.08	6.414	
2,700.0	2,700.0	2,694.3	2,683.6	9.4	9.6	51.98	125.5	23.2	126.4	107.6	18.80	6.726	
2,800.0	2,799.9	2,790.8	2,778.7	9.8	10.0	57.66	135.4	35.8	137.2	117.8	19.44	7.056	
2,900.0	2,899.7	2,888.9	2,875.3	10.2	10.4	63.21	146.3	49.3	149.5	129.4	20.12	7.429	
3,000.0	2,999.4	2,988.6	2,973.6	10.5	10.8	68.29	157.2	62.1	161.8	141.0	20.83	7.768	
3,100.0	3,098.9	3,085.5	3,069.1	10.9	11.2	73.00	167.7	74.6	174.7	153.2	21.50	8.127	
3,200.0	3,198.3	3,183.5	3,165.6	11.2	11.6	77.67	178.4	87.5	188.5	166.4	22.19	8.496	
3,300.0	3,297.4	3,279.0	3,259.7	11.6	12.0	82.09	189.1	100.7	203.9	181.1	22.85	8.924	
3,400.0	3,396.4	3,377.6	3,356.6	12.0	12.5	86.33	200.3	114.3	220.6	197.0	23.58	9.356	
3,500.0	3,495.5	3,476.4	3,454.0	12.3	12.9	90.13	210.6	127.8	237.4	213.1	24.32	9.762	
3,600.0	3,594.5	3,570.6	3,546.7	12.7	13.3	93.69	219.3	142.2	255.8	230.9	24.99	10.238	
3,700.0	3,693.5	3,668.5	3,642.9	13.1	13.7	97.04	228.0	157.9	275.6	249.9	25.73	10.711	
3,800.0	3,792.5	3,766.8	3,739.7	13.5	14.2	99.94	236.3	173.0	295.3	268.9	26.48	11.152	
3,900.0	3,891.6	3,861.3	3,832.6	13.9	14.6	102.36	244.7	187.8	316.2	289.0	27.18	11.633	
4,000.0	3,990.6	3,960.4	3,930.0	14.2	15.0	104.51	254.0	203.5	337.9	309.9	27.96	12.086	
4,100.0	4,089.6	4,064.8	4,032.9	14.6	15.5	106.06	265.5	217.2	358.2	329.4	28.80	12.437	
4,200.0	4,188.6	4,162.6	4,129.3	15.0	15.9	107.16	277.0	228.5	377.5	347.9	29.55	12.772	
4,300.0	4,287.7	4,255.1	4,220.4	15.4	16.3	108.03	288.6	239.8	397.8	367.5	30.25	13.152	
4,400.0	4,386.7	4,350.8	4,314.5	15.8	16.7	108.79	301.5	252.4	419.3	388.3	30.98	13.534	
4,500.0	4,485.7	4,447.4	4,409.3	16.2	17.1	109.43	314.7	264.9	440.9	409.2	31.73	13.895	
4,600.0	4,584.8	4,545.4	4,505.4	16.6	17.6	109.93	328.9	277.7	462.9	430.4	32.50	14.240	
4,700.0	4,683.8	4,642.8	4,601.0	17.0	18.0	110.42	342.7	290.2	484.6	451.3	33.27	14.566	
4,800.0	4,782.8	4,739.9	4,696.4	17.4	18.4	111.02	355.2	303.3	506.5	472.5	34.03	14.883	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,881.8	4,836.4	4,791.3	17.8	18.9	111.67	366.8	316.7	528.6	493.8	34.79	15.193	
5,000.0	4,980.9	4,950.9	4,904.2	18.2	19.4	112.58	378.3	331.9	549.6	513.8	35.74	15.377	
5,100.0	5,079.9	5,054.1	5,006.4	18.6	19.8	113.54	386.1	344.0	568.5	531.9	36.55	15.552	
5,200.0	5,178.9	5,172.6	5,124.0	19.0	20.3	114.69	393.2	355.6	585.3	547.8	37.47	15.619	
5,300.0	5,277.9	5,296.8	5,247.9	19.4	20.7	115.99	397.7	363.5	598.4	560.1	38.37	15.597	
5,400.0	5,377.0	5,410.6	5,361.6	19.8	21.1	117.15	400.6	366.8	608.1	568.9	39.17	15.524	
5,500.0	5,476.0	5,515.2	5,466.2	20.2	21.5	118.24	402.3	368.4	616.5	576.6	39.93	15.438	
5,600.0	5,575.0	5,621.1	5,572.1	20.6	21.8	119.44	402.4	369.2	624.0	583.3	40.69	15.337	
5,700.0	5,674.0	5,721.3	5,672.3	21.0	22.1	120.55	402.4	369.6	631.4	590.0	41.42	15.243	
5,800.0	5,773.1	5,829.4	5,780.3	21.4	22.5	121.76	401.8	368.9	637.9	595.8	42.15	15.134	
5,900.0	5,872.1	5,929.9	5,880.8	21.8	22.7	122.87	400.9	367.5	643.9	601.0	42.86	15.022	
6,000.0	5,971.1	6,028.3	5,979.2	22.2	23.0	123.98	399.8	366.3	650.2	606.6	43.57	14.921	
6,100.0	6,070.2	6,127.0	6,077.9	22.6	23.3	125.08	398.4	365.0	656.7	612.5	44.28	14.830	
6,199.8	6,169.0	6,223.7	6,174.6	23.0	23.6	126.15	396.9	364.0	663.7	618.7	44.99	14.751	
6,300.0	6,268.4	6,321.3	6,272.2	23.4	23.9	127.18	395.8	363.2	670.4	624.7	45.70	14.671	
6,400.0	6,367.9	6,423.1	6,374.0	23.8	24.2	128.04	394.5	362.5	675.7	629.4	46.40	14.565	
6,500.0	6,467.6	6,521.2	6,472.1	24.2	24.5	128.67	393.2	361.5	679.3	632.2	47.08	14.429	
6,600.0	6,567.5	6,618.9	6,569.8	24.5	24.8	129.10	392.0	360.9	681.7	633.9	47.76	14.274	
6,700.0	6,667.5	6,719.2	6,670.1	24.9	25.1	129.35	390.8	360.4	682.6	634.2	48.43	14.094	
6,733.1	6,700.6	6,753.6	6,704.4	25.0	25.2	88.95	390.4	360.2	682.5	633.8	48.65	14.028	
6,800.0	6,767.5	6,823.5	6,774.4	25.2	25.4	89.03	389.3	359.6	681.8	632.7	49.10	13.887	
6,900.0	6,867.5	6,921.9	6,872.8	25.6	25.7	89.16	387.8	358.6	680.8	631.1	49.76	13.682	
7,000.0	6,967.5	7,024.2	6,975.1	25.9	26.0	89.30	386.2	357.5	679.7	629.3	50.43	13.478	
7,100.0	7,067.5	7,123.3	7,074.1	26.2	26.3	89.43	384.6	356.3	678.5	627.4	51.09	13.280	
7,200.0	7,167.5	7,223.3	7,174.1	26.6	26.6	89.53	383.4	355.2	677.4	625.6	51.76	13.087	
7,300.0	7,267.5	7,324.0	7,274.8	26.9	26.9	89.62	382.3	354.1	676.2	623.8	52.43	12.898	
7,400.0	7,367.5	7,424.3	7,375.0	27.3	27.2	89.72	381.2	352.8	674.9	621.8	53.10	12.711	
7,500.0	7,467.5	7,522.2	7,472.9	27.6	27.5	89.82	379.9	351.6	673.8	620.0	53.77	12.531	
7,600.0	7,567.5	7,620.4	7,571.1	27.9	27.9	89.94	378.5	350.9	673.0	618.6	54.44	12.363	
7,700.0	7,667.5	7,721.2	7,672.0	28.3	28.2	90.08	376.9	350.2	672.3	617.2	55.11	12.198	
7,800.0	7,767.5	7,821.7	7,772.4	28.6	28.5	90.22	375.2	349.3	671.4	615.6	55.79	12.034	
7,900.0	7,867.5	7,919.7	7,870.4	29.0	28.8	90.37	373.5	348.5	670.6	614.2	56.46	11.877	
8,000.0	7,967.5	8,018.4	7,969.1	29.3	29.1	90.54	371.6	348.0	670.2	613.0	57.14	11.729	
8,100.0	8,067.5	8,116.5	8,067.2	29.7	29.4	90.71	369.6	347.7	669.9	612.1	57.81	11.587	
8,132.7	8,100.2	8,148.6	8,099.2	29.8	29.5	90.76	369.0	347.7	669.9	611.8	58.03	11.543	
8,200.0	8,167.5	8,214.3	8,165.0	30.0	29.7	90.84	368.0	347.8	670.0	611.5	58.49	11.454	
8,300.0	8,267.5	8,315.2	8,265.9	30.4	30.1	90.95	366.7	347.9	670.1	611.0	59.18	11.324	
8,400.0	8,367.5	8,415.9	8,366.5	30.7	30.4	91.01	366.0	348.0	670.2	610.3	59.86	11.195	
8,403.8	8,371.3	8,419.7	8,370.3	30.7	30.4	91.01	366.0	348.0	670.2	610.3	59.89	11.190	
8,500.0	8,467.5	8,514.7	8,465.3	31.0	30.7	91.02	365.9	348.1	670.3	609.7	60.55	11.069	
8,600.0	8,567.5	8,615.7	8,566.3	31.4	31.1	91.03	365.8	348.2	670.4	609.2	61.25	10.946	
8,700.0	8,667.5	8,721.9	8,672.5	31.7	31.4	91.03	365.8	347.8	670.0	608.1	61.95	10.816	
8,800.0	8,767.5	8,822.2	8,772.8	32.1	31.7	91.07	365.4	346.5	668.7	606.1	62.63	10.677	
8,858.0	8,825.4	8,873.8	8,824.4	32.3	31.9	91.08	365.3	346.2	668.5	605.5	63.01	10.608	
8,900.0	8,867.5	8,914.5	8,865.1	32.4	32.1	91.09	365.2	346.3	668.5	605.2	63.30	10.561	
9,000.0	8,967.5	9,019.5	8,970.1	32.8	32.4	91.14	364.5	346.4	668.7	604.7	64.00	10.447	
9,100.0	9,067.5	9,119.3	9,069.9	33.1	32.7	91.26	363.2	345.4	667.7	603.0	64.69	10.321	
9,134.8	9,102.2	9,150.6	9,101.2	33.2	32.8	91.27	363.1	345.3	667.6	602.7	64.92	10.283	
9,200.0	9,167.5	9,210.7	9,161.3	33.5	33.0	91.25	363.3	345.6	667.9	602.5	65.36	10.218	
9,300.0	9,267.5	9,309.2	9,259.8	33.8	33.4	91.16	364.3	346.7	668.9	602.9	66.05	10.127	
9,400.0	9,367.5	9,410.7	9,361.3	34.2	33.7	91.07	365.4	347.5	669.8	603.0	66.76	10.033	
9,500.0	9,467.5	9,508.2	9,458.8	34.5	34.1	90.91	367.2	348.4	670.7	603.2	67.45	9.944	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,600.0	9,567.5	9,607.5	9,558.0	34.9	34.4	90.66	370.1	349.7	671.9	603.8	68.15	9.860	
9,700.0	9,667.5	9,702.8	9,653.2	35.2	34.7	90.39	373.3	351.2	673.5	604.7	68.83	9.784	
9,800.0	9,767.5	9,806.6	9,756.9	35.6	35.1	90.12	376.4	353.1	675.3	605.7	69.55	9.709	
9,900.0	9,867.5	9,912.6	9,862.9	35.9	35.5	89.94	378.5	354.1	676.3	606.0	70.28	9.623	
10,000.0	9,967.5	10,011.2	9,961.6	36.3	35.8	89.78	380.5	354.8	677.0	606.0	70.97	9.538	
10,100.0	10,067.5	10,114.7	10,065.0	36.6	36.2	89.63	382.2	355.4	677.5	605.8	71.68	9.451	
10,200.0	10,167.5	10,219.8	10,170.1	37.0	36.5	89.50	383.8	355.1	677.2	604.8	72.39	9.355	
10,300.0	10,267.5	10,319.9	10,270.2	37.3	36.9	89.39	385.0	354.5	676.6	603.6	73.09	9.258	
10,354.5	10,322.0	10,374.2	10,324.4	37.5	37.1	89.36	385.4	354.2	676.4	602.9	73.46	9.207	
10,400.0	10,367.4	10,418.4	10,368.6	37.6	37.2	-87.33	385.6	354.0	676.1	602.3	73.76	9.166	
10,450.0	10,417.0	10,466.7	10,417.0	37.8	37.4	-87.88	385.6	353.9	675.7	601.6	74.07	9.123	
10,500.0	10,465.9	10,514.7	10,465.0	37.9	37.5	-88.76	385.7	353.9	675.3	601.0	74.36	9.082	
10,545.5	10,509.5	10,557.5	10,507.8	38.0	37.7	-89.83	385.6	353.9	675.2	600.6	74.62	9.049	
10,550.0	10,513.7	10,561.7	10,512.0	38.0	37.7	-89.94	385.6	353.9	675.2	600.6	74.64	9.046	
10,600.0	10,560.0	10,608.9	10,559.2	38.2	37.8	-91.41	385.5	353.9	675.5	600.6	74.90	9.018	
10,650.0	10,604.5	10,654.3	10,604.6	38.3	38.0	-93.05	385.3	353.9	676.4	601.3	75.15	9.001	
10,700.0	10,646.9	10,697.3	10,647.6	38.3	38.1	-94.76	385.1	353.8	678.4	603.1	75.37	9.001	
10,750.0	10,686.8	10,737.9	10,688.1	38.4	38.3	-96.44	384.9	353.7	681.9	606.4	75.58	9.023	
10,800.0	10,723.9	10,775.8	10,726.0	38.5	38.4	-98.01	384.7	353.6	687.4	611.6	75.77	9.072	
10,850.0	10,758.0	10,810.6	10,760.9	38.5	38.5	-99.35	384.6	353.5	695.0	619.1	75.94	9.153	
10,900.0	10,788.7	10,842.1	10,792.4	38.6	38.6	-100.36	384.4	353.3	705.3	629.3	76.09	9.270	
10,950.0	10,815.9	10,870.3	10,820.5	38.6	38.7	-100.95	384.3	353.2	718.5	642.3	76.23	9.426	
11,000.0	10,839.3	10,894.6	10,844.9	38.6	38.8	-101.02	384.2	353.0	734.7	658.4	76.35	9.623	
11,050.0	10,858.8	10,914.9	10,865.2	38.7	38.9	-100.50	384.1	352.8	754.0	677.5	76.45	9.863	
11,100.0	10,874.2	10,931.0	10,881.3	38.7	38.9	-99.30	384.0	352.7	776.3	699.8	76.53	10.143	
11,150.0	10,885.4	10,942.8	10,893.1	38.7	38.9	-97.38	383.9	352.6	801.5	724.9	76.60	10.464	
11,200.0	10,892.4	10,950.2	10,900.5	38.8	39.0	-94.67	383.9	352.5	829.2	752.6	76.64	10.820	
11,254.5	10,895.0	10,953.2	10,903.5	38.9	39.0	-90.81	383.9	352.5	862.1	785.4	76.66	11.245	
11,300.0	10,895.0	10,953.5	10,903.8	39.0	39.0	-90.84	383.9	352.5	891.4	814.8	76.68	11.626	
11,407.5	10,895.0	10,954.2	10,904.4	39.3	39.0	-90.94	383.9	352.5	967.7	891.0	76.72	12.613	
11,500.0	10,895.0	10,954.7	10,905.0	39.6	39.0	-90.99	383.9	352.5	1,038.9	962.2	76.77	13.533	
11,600.0	10,895.0	10,955.4	10,905.7	40.0	39.0	-91.05	383.8	352.5	1,119.4	1,042.6	76.82	14.572	
11,700.0	10,895.0	12,559.3	11,809.2	40.5	43.2	-144.63	-623.7	369.9	1,122.4	1,066.1	56.27	19.948	
11,800.0	10,895.0	12,683.8	11,810.2	41.0	43.9	-144.74	-748.1	369.1	1,122.2	1,065.1	57.10	19.653	
11,848.8	10,895.0	12,718.9	11,810.8	41.3	44.1	-144.81	-783.2	368.1	1,121.9	1,064.5	57.38	19.551	
11,900.0	10,895.0	12,755.6	11,812.3	41.6	44.3	-144.93	-819.8	366.6	1,122.2	1,064.6	57.64	19.468	
12,000.0	10,895.0	12,846.9	11,817.9	42.2	44.9	-145.30	-910.9	362.3	1,124.1	1,065.8	58.22	19.307	
12,100.0	10,895.0	12,942.3	11,822.9	42.9	45.5	-145.59	-1,006.1	359.6	1,126.4	1,067.4	58.95	19.106	
12,200.0	10,895.0	13,095.6	11,823.5	43.6	46.7	-145.62	-1,159.3	360.3	1,126.5	1,066.1	60.39	18.655	
12,300.0	10,895.0	13,206.7	11,817.1	44.4	47.6	-145.31	-1,270.2	364.3	1,123.3	1,061.4	61.91	18.145	
12,400.0	10,895.0	13,284.8	11,813.4	45.2	48.2	-145.11	-1,348.1	367.0	1,121.0	1,057.9	63.10	17.764	
12,442.4	10,895.0	13,313.5	11,812.8	45.6	48.5	-145.07	-1,376.8	367.7	1,120.7	1,057.1	63.56	17.633	
12,500.0	10,895.0	13,352.5	11,813.0	46.1	48.8	-145.06	-1,415.8	368.4	1,121.2	1,057.0	64.15	17.479	
12,600.0	10,895.0	13,437.4	11,815.1	47.0	49.6	-145.10	-1,500.7	369.6	1,123.6	1,058.3	65.31	17.205	
12,700.0	10,895.0	13,566.6	11,816.5	48.0	50.8	-145.04	-1,629.8	373.1	1,125.7	1,058.8	66.99	16.806	
12,800.0	10,895.0	13,645.2	11,816.2	49.0	51.6	-144.91	-1,708.3	376.5	1,127.4	1,059.0	68.33	16.498	
12,900.0	10,895.0	13,754.7	11,815.7	50.0	52.7	-144.73	-1,817.7	381.5	1,129.2	1,059.1	70.07	16.115	
13,000.0	10,895.0	13,846.8	11,815.9	51.1	53.6	-144.63	-1,909.8	384.7	1,130.9	1,059.3	71.60	15.794	
13,100.0	10,895.0	13,922.9	11,816.8	52.2	54.5	-144.53	-1,985.7	388.2	1,134.1	1,061.1	73.03	15.529	
13,200.0	10,895.0	14,101.2	11,817.7	53.3	56.4	-144.48	-2,163.9	391.6	1,135.4	1,059.9	75.47	15.045	
13,300.0	10,895.0	14,223.8	11,813.4	54.4	57.8	-144.44	-2,286.5	390.4	1,131.5	1,054.1	77.38	14.622	
13,400.0	10,895.0	14,272.3	11,812.7	55.6	58.4	-144.43	-2,335.0	390.4	1,129.4	1,050.9	78.52	14.384	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys

Offset Site Error: 0.0 usft

Survey Program: 172-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,401.6	10,895.0	14,273.2	11,812.7	55.6	58.4	-144.43	-2,335.9	390.4	1,129.4	1,050.9	78.54	14.380	
13,500.0	10,895.0	14,336.8	11,814.4	56.8	59.1	-144.49	-2,399.4	390.6	1,131.2	1,051.4	79.78	14.180	
13,600.0	10,895.0	14,421.4	11,817.8	58.0	60.1	-144.56	-2,484.0	392.0	1,135.0	1,053.7	81.26	13.967	
13,700.0	10,895.0	14,520.7	11,822.5	59.2	61.3	-144.63	-2,583.1	394.6	1,139.9	1,057.0	82.94	13.744	
13,800.0	10,895.0	14,664.5	11,828.0	60.5	63.1	-144.87	-2,726.8	393.5	1,142.0	1,057.0	84.93	13.446	
13,900.0	10,895.0	14,731.2	11,831.1	61.8	63.9	-145.08	-2,793.4	391.3	1,143.7	1,057.6	86.11	13.282	
14,000.0	10,895.0	14,791.8	11,836.8	63.1	64.7	-145.33	-2,853.7	389.5	1,149.2	1,062.0	87.15	13.186	
14,100.0	10,895.0	14,957.1	11,848.9	64.4	66.8	-145.73	-3,018.5	389.3	1,155.6	1,066.3	89.28	12.942	
14,200.0	10,895.0	15,026.2	11,850.8	65.7	67.7	-145.80	-3,087.6	389.5	1,157.8	1,067.1	90.68	12.769	
14,300.0	10,895.0	15,104.9	11,856.0	67.0	68.8	-145.93	-3,166.0	390.4	1,163.3	1,071.2	92.10	12.631	
14,400.0	10,895.0	15,327.4	11,852.0	68.4	71.8	-145.69	-3,388.0	395.3	1,161.0	1,065.3	95.73	12.128	
14,500.0	10,895.0	15,400.9	11,847.9	69.8	72.8	-145.52	-3,461.4	397.2	1,157.5	1,059.9	97.55	11.865	
14,600.0	10,895.0	15,475.6	11,846.4	71.1	73.8	-145.45	-3,536.1	398.5	1,156.3	1,057.0	99.28	11.647	
14,608.7	10,895.0	15,482.5	11,846.3	71.2	73.9	-145.45	-3,543.0	398.6	1,156.3	1,056.9	99.43	11.630	
14,700.0	10,895.0	15,554.8	11,846.6	72.5	74.9	-145.43	-3,615.2	399.8	1,157.1	1,056.1	100.99	11.458	
14,800.0	10,895.0	15,636.8	11,848.7	73.9	76.0	-145.47	-3,697.2	401.0	1,159.5	1,056.9	102.65	11.295	
14,900.0	10,895.0	15,727.9	11,852.2	75.3	77.3	-145.54	-3,788.2	402.3	1,163.1	1,058.7	104.40	11.141	
15,000.0	10,895.0	15,842.5	11,856.0	76.7	78.9	-145.60	-3,902.8	404.2	1,166.3	1,059.9	106.47	10.954	
15,100.0	10,895.0	15,942.6	11,858.1	78.2	80.3	-145.60	-4,002.9	406.5	1,168.9	1,060.5	108.46	10.778	
15,200.0	10,895.0	16,118.1	11,856.8	79.6	82.8	-145.48	-4,178.2	410.0	1,169.5	1,058.0	111.53	10.486	
15,300.0	10,895.0	16,181.6	11,855.9	81.1	83.7	-145.49	-4,241.7	409.5	1,167.3	1,054.2	113.10	10.321	
15,400.0	10,895.0	16,304.2	11,856.1	82.5	85.4	-145.62	-4,364.3	407.4	1,166.1	1,051.0	115.18	10.124	
15,477.0	10,895.0	16,351.1	11,856.2	83.6	86.1	-145.66	-4,411.2	406.9	1,165.4	1,049.1	116.32	10.019	
15,500.0	10,895.0	16,367.3	11,856.4	84.0	86.4	-145.67	-4,427.4	406.8	1,165.5	1,048.8	116.68	9.989	
15,600.0	10,895.0	16,462.0	11,857.9	85.4	87.7	-145.73	-4,522.0	407.2	1,166.5	1,048.0	118.55	9.840	
15,700.0	10,895.0	16,574.8	11,858.3	86.9	89.4	-145.71	-4,634.9	408.7	1,167.1	1,046.3	120.78	9.663	
15,709.2	10,895.0	16,585.4	11,858.2	87.0	89.5	-145.71	-4,645.4	408.9	1,167.1	1,046.1	120.99	9.646	
15,800.0	10,895.0	16,663.2	11,858.2	88.4	90.7	-145.68	-4,723.2	410.2	1,167.6	1,044.8	122.73	9.513	
15,900.0	10,895.0	16,790.6	11,857.2	89.9	92.5	-145.62	-4,850.6	411.9	1,167.2	1,042.0	125.21	9.322	
16,000.0	10,895.0	16,917.8	11,854.3	91.4	94.4	-145.58	-4,977.8	411.9	1,165.0	1,037.4	127.64	9.127	
16,100.0	10,895.0	17,014.0	11,850.7	92.8	95.8	-145.54	-5,073.9	411.0	1,160.9	1,031.2	129.73	8.949	
16,200.0	10,895.0	17,089.7	11,849.4	94.3	97.0	-145.57	-5,149.6	410.1	1,158.5	1,027.0	131.49	8.810	
16,255.7	10,895.0	17,130.0	11,849.4	95.2	97.6	-145.59	-5,189.9	409.9	1,158.1	1,025.7	132.42	8.746	
16,300.0	10,895.0	17,172.4	11,849.8	95.9	98.2	-145.62	-5,232.3	409.9	1,158.2	1,024.9	133.27	8.690	
16,370.0	10,895.0	17,246.6	11,850.0	96.9	99.3	-145.64	-5,306.5	410.1	1,158.2	1,023.4	134.75	8.595	
16,400.0	10,895.0	17,272.1	11,850.0	97.4	99.7	-145.63	-5,332.0	410.4	1,158.2	1,022.9	135.33	8.558	
16,500.0	10,895.0	17,367.9	11,849.9	98.9	101.1	-145.59	-5,427.8	412.2	1,158.7	1,021.3	137.45	8.430	
16,600.0	10,895.0	17,500.0	11,850.6	100.4	103.1	-145.68	-5,559.9	411.4	1,158.5	1,018.8	139.77	8.289	
16,700.0	10,895.0	17,580.8	11,850.3	101.9	104.3	-145.76	-5,640.6	409.9	1,156.8	1,015.3	141.49	8.176	
16,723.3	10,895.0	17,597.6	11,850.4	102.3	104.6	-145.78	-5,657.5	409.7	1,156.8	1,014.9	141.87	8.154	
16,800.0	10,895.0	17,666.2	11,851.5	103.4	105.6	-145.84	-5,726.0	409.3	1,157.1	1,013.9	143.25	8.078	
16,900.0	10,895.0	17,756.4	11,852.8	105.0	107.0	-145.89	-5,816.2	409.8	1,158.2	1,013.1	145.13	7.980	
17,000.0	10,895.0	17,842.3	11,854.2	106.5	108.3	-145.88	-5,902.1	411.6	1,160.3	1,013.3	147.05	7.891	
17,100.0	10,895.0	17,932.6	11,856.2	108.1	109.7	-145.84	-5,992.3	414.7	1,163.6	1,014.5	149.10	7.804	
17,200.0	10,895.0	18,127.8	11,854.7	109.6	112.7	-145.67	-6,187.4	419.3	1,164.6	1,011.8	152.75	7.624	
17,300.0	10,895.0	18,272.2	11,845.6	111.1	114.9	-145.57	-6,331.5	416.6	1,157.8	1,002.4	155.38	7.452	
17,400.0	10,895.0	18,356.6	11,839.6	112.7	116.2	-145.51	-6,415.7	414.6	1,150.2	992.6	157.54	7.301	
17,500.0	10,895.0	18,473.8	11,830.9	114.2	118.0	-145.44	-6,532.4	411.3	1,141.9	982.0	159.91	7.141	
17,600.0	10,895.0	18,553.8	11,825.1	115.8	119.2	-145.37	-6,612.2	409.4	1,134.3	972.2	162.08	6.998	
17,700.0	10,895.0	18,650.2	11,818.3	117.3	120.7	-145.24	-6,708.4	408.5	1,127.4	963.0	164.47	6.855	
17,800.0	10,895.0	18,726.6	11,813.3	118.9	121.9	-145.11	-6,784.5	408.9	1,121.9	955.2	166.75	6.728	
17,900.0	10,895.0	18,817.7	11,808.2	120.5	123.3	-144.92	-6,875.5	410.5	1,117.9	948.6	169.25	6.605	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys — **Offset Site Error:** 0.0 usft

Survey Program: 172-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,000.0	10,895.0	18,890.9	11,804.8	122.0	124.4	-144.76	-6,948.7	412.6	1,115.3	943.8	171.50	6.503	
18,100.0	10,895.0	18,985.2	11,802.3	123.6	125.9	-144.57	-7,042.8	415.9	1,114.8	940.7	174.02	6.406	
18,200.0	10,895.0	19,088.6	11,798.3	125.1	127.5	-144.30	-7,146.1	420.4	1,113.7	936.8	176.88	6.296	
18,300.0	10,895.0	19,219.1	11,790.2	126.7	129.6	-143.78	-7,276.1	427.9	1,111.6	931.0	180.60	6.155	
18,400.0	10,895.0	19,292.2	11,785.4	128.3	130.7	-143.48	-7,348.9	432.3	1,109.3	926.1	183.25	6.054	
18,500.0	10,895.0	19,429.6	11,777.1	129.9	132.9	-143.03	-7,485.9	437.9	1,106.5	919.6	186.89	5.921	
18,600.0	10,895.0	19,547.0	11,768.7	131.4	134.8	-142.77	-7,603.0	438.6	1,100.6	910.8	189.85	5.797	
18,700.0	10,895.0	19,622.2	11,762.8	133.0	135.9	-142.56	-7,678.0	439.9	1,095.1	902.6	192.46	5.690	
18,800.0	10,895.0	19,686.5	11,759.8	134.6	137.0	-142.40	-7,742.2	441.9	1,092.8	898.1	194.74	5.612	
18,867.8	10,895.0	19,746.2	11,758.6	135.7	137.9	-142.31	-7,801.8	443.6	1,092.6	896.2	196.40	5.563	
18,900.0	10,895.0	19,776.4	11,758.4	136.2	138.4	-142.29	-7,832.0	444.2	1,092.6	895.5	197.16	5.542	
19,000.0	10,895.0	19,952.3	11,753.8	137.7	141.1	-142.24	-8,007.8	443.2	1,090.0	889.8	200.21	5.444	
19,100.0	10,895.0	20,014.2	11,750.8	139.3	142.1	-142.21	-8,069.7	442.1	1,084.8	882.4	202.33	5.361	
19,189.1	10,895.0	20,067.8	11,749.9	140.7	143.0	-142.19	-8,123.2	442.3	1,083.4	879.4	204.02	5.310	
19,200.0	10,895.0	20,076.0	11,749.9	140.9	143.1	-142.18	-8,131.4	442.5	1,083.4	879.2	204.24	5.305	
19,300.0	10,895.0	20,152.9	11,750.0	142.5	144.3	-142.12	-8,208.3	444.6	1,084.8	878.5	206.32	5.258	
19,400.0	10,895.0	20,263.6	11,748.9	144.1	146.1	-141.91	-8,318.8	449.7	1,086.3	877.0	209.35	5.189	
19,500.0	10,895.0	20,347.1	11,749.4	145.7	147.4	-141.83	-8,402.3	452.8	1,088.6	877.0	211.59	5.145	
19,600.0	10,895.0	20,467.1	11,752.7	147.3	149.3	-141.94	-8,522.3	453.5	1,090.6	876.7	213.92	5.098	
19,700.0	10,895.0	20,621.9	11,755.8	148.9	151.7	-142.30	-8,676.8	448.3	1,089.9	874.1	215.85	5.050	
19,800.0	10,895.0	20,688.8	11,757.1	150.5	152.8	-142.53	-8,743.6	444.4	1,087.5	870.3	217.19	5.007	
19,900.0	10,895.0	20,832.6	11,757.5	152.0	155.0	-142.75	-8,887.3	440.7	1,086.2	866.9	219.26	4.954	
20,000.0	10,895.0	20,895.9	11,755.4	153.6	156.1	-142.66	-8,950.6	441.6	1,083.6	862.1	221.48	4.893	
20,058.9	10,895.0	20,938.3	11,754.2	154.6	156.7	-142.58	-8,993.0	443.0	1,083.1	860.3	222.85	4.860	
20,100.0	10,895.0	20,967.4	11,753.7	155.2	157.2	-142.53	-9,022.0	444.1	1,083.4	859.6	223.76	4.842	
20,200.0	10,895.0	21,059.6	11,753.6	156.8	158.7	-142.39	-9,114.1	448.0	1,085.3	859.0	226.31	4.796	
20,300.0	10,895.0	21,163.8	11,753.6	158.4	160.3	-142.28	-9,218.2	451.3	1,086.8	857.8	228.98	4.746	
20,400.0	10,895.0	21,318.7	11,750.1	160.0	162.8	-142.14	-9,373.0	453.3	1,085.0	852.7	232.35	4.670	
20,500.0	10,895.0	21,382.0	11,747.4	161.6	163.8	-142.02	-9,436.3	454.5	1,082.7	848.1	234.62	4.615	
20,534.1	10,895.0	21,413.8	11,746.3	162.2	164.3	-141.94	-9,468.0	455.7	1,082.4	846.8	235.60	4.594	
20,600.0	10,895.0	21,456.5	11,745.4	163.2	165.0	-141.83	-9,510.7	458.0	1,083.1	846.1	237.09	4.569	
20,700.0	10,895.0	21,556.4	11,744.3	164.8	166.6	-141.57	-9,610.3	464.4	1,085.8	845.6	240.21	4.520	
20,800.0	10,895.0	21,642.1	11,743.4	166.4	168.0	-141.34	-9,695.9	469.8	1,088.5	845.5	242.95	4.480	
20,900.0	10,895.0	21,723.8	11,743.8	168.0	169.3	-141.14	-9,777.4	475.6	1,092.8	847.3	245.50	4.451	
21,000.0	10,895.0	21,857.0	11,744.4	169.6	171.5	-140.81	-9,910.2	485.3	1,097.5	847.9	249.55	4.398	
21,100.0	10,895.0	21,950.0	11,740.3	171.2	173.0	-140.43	-10,002.9	492.1	1,098.4	845.4	252.95	4.342	SF
21,194.3	10,895.0	21,950.0	11,740.3	172.8	173.0	-140.43	-10,002.9	492.1	1,105.1	852.5	252.57	4.375	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	-1.0	0.0	0.0	-69.80	29.5	-80.3	85.5				
100.0	100.0	101.0	99.0	0.1	0.1	-69.80	29.5	-80.3	85.5	85.3	0.26	329.025	
200.0	200.0	201.0	199.0	0.5	0.5	-69.80	29.5	-80.3	85.5	84.5	0.98	87.539	
300.0	300.0	301.0	299.0	0.8	0.8	-69.80	29.5	-80.3	85.5	83.8	1.69	50.485	
400.0	400.0	401.0	399.0	1.2	1.2	-69.80	29.5	-80.3	85.5	83.1	2.41	35.471	
500.0	500.0	501.0	499.0	1.6	1.6	-69.80	29.5	-80.3	85.5	82.4	3.13	27.340	
600.0	600.0	601.0	599.0	1.9	1.9	-69.80	29.5	-80.3	85.5	81.7	3.84	22.242	
700.0	700.0	701.0	699.0	2.3	2.3	-69.80	29.5	-80.3	85.5	80.9	4.56	18.746	
800.0	800.0	801.0	799.0	2.6	2.6	-69.80	29.5	-80.3	85.5	80.2	5.28	16.200	
900.0	900.0	901.0	899.0	3.0	3.0	-69.80	29.5	-80.3	85.5	79.5	6.00	14.263	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-69.80	29.5	-80.3	85.5	78.8	6.71	12.739	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-69.80	29.5	-80.3	85.5	78.1	7.43	11.510	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-69.80	29.5	-80.3	85.5	77.4	8.15	10.497	
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-69.80	29.5	-80.3	85.5	76.6	8.86	9.648	
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-69.80	29.5	-80.3	85.5	75.9	9.58	8.926	
1,500.0	1,500.0	1,499.0	1,499.0	5.1	5.1	-69.80	29.5	-80.3	85.5	75.2	10.29	8.310	
1,600.0	1,600.0	1,597.7	1,597.7	5.5	5.5	-69.55	30.1	-80.8	86.3	75.3	11.00	7.843	
1,700.0	1,700.0	1,696.3	1,696.3	5.9	5.8	-68.80	32.0	-82.5	88.6	76.8	11.70	7.567	
1,800.0	1,800.0	1,794.8	1,794.7	6.2	6.2	-67.64	35.1	-85.4	92.4	80.0	12.40	7.450	
1,900.0	1,900.0	1,893.2	1,892.9	6.6	6.5	-66.16	39.5	-89.3	97.9	84.8	13.10	7.470	
2,000.0	2,000.0	1,991.3	1,990.7	6.9	6.9	-64.49	45.1	-94.4	105.0	91.2	13.79	7.610	
2,100.0	2,100.0	2,089.1	2,088.0	7.3	7.3	-62.74	51.9	-100.6	113.8	99.3	14.48	7.855	
2,200.0	2,200.0	2,186.6	2,184.9	7.7	7.6	-60.99	59.9	-107.9	124.2	109.1	15.16	8.194	
2,300.0	2,300.0	2,283.6	2,281.2	8.0	8.0	-59.31	69.0	-116.3	136.4	120.6	15.84	8.615	
2,400.0	2,400.0	2,382.3	2,378.9	8.4	8.3	-57.77	79.2	-125.6	149.8	133.3	16.54	9.057	
2,500.0	2,500.0	2,481.3	2,476.9	8.7	8.7	-56.47	89.3	-134.8	163.3	146.0	17.25	9.465	
2,600.0	2,600.0	2,580.5	2,575.1	9.1	9.1	-14.97	99.5	-144.2	176.0	158.0	17.96	9.798	
2,700.0	2,700.0	2,679.8	2,673.5	9.4	9.5	-14.18	109.8	-153.5	187.0	168.4	18.67	10.019	
2,800.0	2,799.9	2,779.3	2,772.1	9.8	9.9	-13.61	120.0	-162.8	196.4	177.1	19.38	10.137	
2,900.0	2,899.7	2,879.0	2,870.8	10.2	10.3	-13.20	130.2	-172.2	204.2	184.1	20.09	10.161	
3,000.0	2,999.4	2,978.8	2,969.6	10.5	10.7	-12.93	140.5	-181.5	210.2	189.4	20.81	10.102	
3,100.0	3,098.9	3,078.8	3,068.6	10.9	11.0	-12.79	150.8	-190.9	214.6	193.0	21.53	9.967	
3,200.0	3,198.3	3,178.7	3,167.6	11.2	11.4	-12.75	161.0	-200.3	217.2	195.0	22.25	9.764	
3,300.0	3,297.4	3,278.7	3,266.6	11.6	11.8	-12.82	171.3	-209.7	218.2	195.2	22.97	9.498	
3,400.0	3,396.4	3,378.7	3,365.6	12.0	12.2	-12.94	181.6	-219.0	218.3	194.6	23.69	9.213	
3,500.0	3,495.5	3,478.7	3,464.6	12.3	12.6	-13.06	191.9	-228.4	218.4	193.9	24.42	8.943	
3,600.0	3,594.5	3,578.7	3,563.7	12.7	13.0	-13.18	202.2	-237.8	218.5	193.3	25.14	8.689	
3,700.0	3,693.5	3,678.7	3,662.7	13.1	13.5	-13.30	212.4	-247.2	218.6	192.7	25.87	8.449	
3,800.0	3,792.5	3,778.7	3,761.7	13.5	13.9	-13.42	222.7	-256.6	218.7	192.1	26.60	8.221	
3,900.0	3,891.6	3,878.7	3,860.7	13.9	14.3	-13.54	233.0	-265.9	218.8	191.4	27.33	8.005	
4,000.0	3,990.6	3,978.7	3,959.8	14.2	14.7	-13.66	243.3	-275.3	218.9	190.8	28.06	7.800	
4,100.0	4,089.6	4,078.7	4,058.8	14.6	15.1	-13.78	253.6	-284.7	219.0	190.2	28.79	7.606	
4,200.0	4,188.6	4,178.7	4,157.8	15.0	15.5	-13.90	263.8	-294.1	219.1	189.6	29.52	7.421	
4,300.0	4,287.7	4,278.7	4,256.8	15.4	15.9	-14.02	274.1	-303.5	219.2	188.9	30.26	7.244	
4,400.0	4,386.7	4,378.7	4,355.9	15.8	16.3	-14.14	284.4	-312.8	219.3	188.3	30.99	7.076	
4,500.0	4,485.7	4,478.7	4,454.9	16.2	16.7	-14.26	294.7	-322.2	219.4	187.7	31.72	6.916	
4,600.0	4,584.8	4,578.7	4,553.9	16.6	17.1	-14.38	305.0	-331.6	219.5	187.0	32.46	6.762	
4,700.0	4,683.8	4,678.7	4,652.9	17.0	17.5	-14.50	315.2	-341.0	219.6	186.4	33.20	6.616	
4,800.0	4,782.8	4,778.7	4,752.0	17.4	17.9	-14.62	325.5	-350.4	219.7	185.8	33.93	6.475	
4,900.0	4,881.8	4,878.7	4,851.0	17.8	18.3	-14.74	335.8	-359.8	219.8	185.2	34.67	6.341	
5,000.0	4,980.9	4,978.7	4,950.0	18.2	18.8	-14.85	346.1	-369.1	219.9	184.5	35.41	6.212	
5,100.0	5,079.9	5,082.2	5,052.5	18.6	19.2	-15.01	356.4	-378.5	219.6	183.4	36.19	6.068	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,188.0	5,157.8	19.0	19.6	-15.33	364.9	-386.3	216.8	179.8	36.98	5.862	
5,300.0	5,277.9	5,293.6	5,263.0	19.4	20.0	-15.84	371.3	-392.1	211.3	173.6	37.75	5.598	
5,400.0	5,377.0	5,398.8	5,368.0	19.8	20.4	-16.58	375.5	-396.0	203.2	164.7	38.48	5.280	
5,500.0	5,476.0	5,503.4	5,472.5	20.2	20.7	-17.62	377.6	-397.9	192.4	153.2	39.19	4.911	
5,600.0	5,575.0	5,604.8	5,574.0	20.6	21.1	-18.97	377.8	-398.1	179.5	139.6	39.89	4.500	
5,700.0	5,674.0	5,703.8	5,673.0	21.0	21.4	-20.52	377.8	-398.1	166.4	125.8	40.63	4.095	
5,800.0	5,773.1	5,802.9	5,772.1	21.4	21.7	-22.34	377.8	-398.1	153.4	112.0	41.38	3.708	
5,900.0	5,872.1	5,901.9	5,871.1	21.8	22.1	-24.50	377.8	-398.1	140.6	98.5	42.14	3.338	
6,000.0	5,971.1	6,000.9	5,970.1	22.2	22.4	-27.07	377.8	-398.1	128.1	85.2	42.91	2.985	
6,100.0	6,070.2	6,100.0	6,069.2	22.6	22.7	-30.20	377.8	-398.1	115.8	72.1	43.71	2.650	
6,199.8	6,169.0	6,201.2	6,168.0	23.0	23.1	-34.04	377.8	-398.1	104.0	59.5	44.55	2.335	
6,300.0	6,268.4	6,301.8	6,267.4	23.4	23.4	-38.26	377.8	-398.1	93.8	48.4	45.41	2.065	
6,400.0	6,367.9	6,402.3	6,366.9	23.8	23.8	-42.30	377.8	-398.1	86.1	39.9	46.27	1.861	
6,500.0	6,467.6	6,502.6	6,466.6	24.2	24.1	-45.77	377.8	-398.1	80.8	33.7	47.11	1.715	
6,600.0	6,567.5	6,602.7	6,566.5	24.5	24.4	-48.27	377.8	-398.1	77.5	29.6	47.90	1.618	
6,700.0	6,667.5	6,702.7	6,666.5	24.9	24.8	-49.48	377.8	-398.1	76.1	27.4	48.64	1.564	
6,733.1	6,700.6	6,730.4	6,699.6	25.0	24.9	-90.01	377.8	-398.1	76.0	27.1	48.86	1.555	
6,800.0	6,767.5	6,802.7	6,766.5	25.2	25.1	-90.01	377.8	-398.1	76.0	26.7	49.34	1.540	
6,900.0	6,867.5	6,902.7	6,866.5	25.6	25.5	-90.01	377.8	-398.1	76.0	26.0	50.03	1.519	
7,000.0	6,967.5	7,002.7	6,966.5	25.9	25.8	-90.01	377.8	-398.1	76.0	25.3	50.72	1.498	Level 3
7,100.0	7,067.5	7,102.7	7,066.5	26.2	26.1	-90.01	377.8	-398.1	76.0	24.6	51.41	1.478	Level 3
7,200.0	7,167.5	7,202.7	7,166.5	26.6	26.5	-90.01	377.8	-398.1	76.0	23.9	52.10	1.459	Level 3
7,300.0	7,267.5	7,302.7	7,266.5	26.9	26.8	-90.01	377.8	-398.1	76.0	23.2	52.79	1.439	Level 3
7,400.0	7,367.5	7,402.7	7,366.5	27.3	27.2	-90.01	377.8	-398.1	76.0	22.5	53.49	1.421	Level 3
7,500.0	7,467.5	7,502.7	7,466.5	27.6	27.5	-90.01	377.8	-398.1	76.0	21.8	54.18	1.403	Level 3
7,600.0	7,567.5	7,602.7	7,566.5	27.9	27.9	-90.01	377.8	-398.1	76.0	21.1	54.88	1.385	Level 3
7,700.0	7,667.5	7,702.7	7,666.5	28.3	28.2	-90.01	377.8	-398.1	76.0	20.4	55.57	1.368	Level 3
7,800.0	7,767.5	7,802.7	7,766.5	28.6	28.5	-90.01	377.8	-398.1	76.0	19.7	56.27	1.351	Level 3
7,900.0	7,867.5	7,902.7	7,866.5	29.0	28.9	-90.01	377.8	-398.1	76.0	19.0	56.96	1.334	Level 3
8,000.0	7,967.5	8,002.7	7,966.5	29.3	29.2	-90.01	377.8	-398.1	76.0	18.3	57.66	1.318	Level 3
8,100.0	8,067.5	8,102.7	8,066.5	29.7	29.6	-90.01	377.8	-398.1	76.0	17.6	58.36	1.302	Level 3
8,200.0	8,167.5	8,202.7	8,166.5	30.0	29.9	-90.01	377.8	-398.1	76.0	16.9	59.05	1.287	Level 3
8,300.0	8,267.5	8,302.7	8,266.5	30.4	30.3	-90.01	377.8	-398.1	76.0	16.2	59.75	1.272	Level 3
8,400.0	8,367.5	8,402.7	8,366.5	30.7	30.6	-90.01	377.8	-398.1	76.0	15.5	60.45	1.257	Level 3
8,500.0	8,467.5	8,502.7	8,466.5	31.0	31.0	-90.01	377.8	-398.1	76.0	14.8	61.15	1.243	Level 2
8,600.0	8,567.5	8,602.7	8,566.5	31.4	31.3	-90.01	377.8	-398.1	76.0	14.1	61.85	1.229	Level 2
8,700.0	8,667.5	8,702.7	8,666.5	31.7	31.7	-90.01	377.8	-398.1	76.0	13.4	62.55	1.215	Level 2
8,800.0	8,767.5	8,802.7	8,766.5	32.1	32.0	-90.01	377.8	-398.1	76.0	12.7	63.25	1.201	Level 2
8,900.0	8,867.5	8,902.7	8,866.5	32.4	32.4	-90.01	377.8	-398.1	76.0	12.0	63.95	1.188	Level 2
9,000.0	8,967.5	9,002.7	8,966.5	32.8	32.7	-90.01	377.8	-398.1	76.0	11.3	64.65	1.175	Level 2
9,100.0	9,067.5	9,102.7	9,066.5	33.1	33.1	-90.01	377.8	-398.1	76.0	10.6	65.35	1.163	Level 2
9,200.0	9,167.5	9,202.7	9,166.5	33.5	33.4	-90.01	377.8	-398.1	76.0	9.9	66.05	1.150	Level 2
9,300.0	9,267.5	9,302.7	9,266.5	33.8	33.8	-90.01	377.8	-398.1	76.0	9.2	66.76	1.138	Level 2
9,400.0	9,367.5	9,402.7	9,366.5	34.2	34.1	-90.01	377.8	-398.1	76.0	8.5	67.46	1.127	Level 2
9,500.0	9,467.5	9,502.7	9,466.5	34.5	34.4	-90.01	377.8	-398.1	76.0	7.8	68.16	1.115	Level 2
9,600.0	9,567.5	9,602.7	9,566.5	34.9	34.8	-90.01	377.8	-398.1	76.0	7.1	68.86	1.104	Level 2
9,700.0	9,667.5	9,702.7	9,666.5	35.2	35.1	-90.01	377.8	-398.1	76.0	6.4	69.57	1.092	Level 2
9,800.0	9,767.5	9,802.7	9,766.5	35.6	35.5	-90.01	377.8	-398.1	76.0	5.7	70.27	1.081	Level 2
9,900.0	9,867.5	9,902.7	9,866.5	35.9	35.8	-90.01	377.8	-398.1	76.0	5.0	70.97	1.071	Level 2
10,000.0	9,967.5	10,002.7	9,966.5	36.3	36.2	-90.01	377.8	-398.1	76.0	4.3	71.68	1.060	Level 2
10,100.0	10,067.5	10,102.7	10,066.5	36.6	36.5	-90.01	377.8	-398.1	76.0	3.6	72.38	1.050	Level 2
10,200.0	10,167.5	10,202.7	10,166.5	37.0	36.9	-90.01	377.8	-398.1	76.0	2.9	73.09	1.040	Level 2

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.0	10,267.5	10,302.7	10,266.5	37.3	37.2	-90.01	377.8	-398.1	76.0	2.2	73.79	1.030	Level 2
10,354.5	10,322.0	10,351.8	10,321.0	37.5	37.4	-90.01	377.8	-398.1	76.0	1.8	74.16	1.025	Level 2, CC
10,400.0	10,367.4	10,402.8	10,366.4	37.6	37.6	94.83	377.8	-398.1	76.1	1.7	74.45	1.022	Level 2, ES, SF
10,450.0	10,417.0	10,446.8	10,416.0	37.8	37.8	99.27	377.8	-398.1	76.9	2.2	74.64	1.030	Level 2
10,500.0	10,465.9	10,504.3	10,464.9	37.9	38.0	106.35	377.8	-398.1	79.3	4.4	74.82	1.059	Level 2
10,550.0	10,513.7	10,543.5	10,512.7	38.0	38.1	115.06	377.8	-398.1	84.7	9.8	74.91	1.130	Level 2
10,600.0	10,560.0	10,589.8	10,559.0	38.2	38.3	124.07	377.8	-398.1	94.5	19.4	75.09	1.259	Level 3
10,650.0	10,604.5	10,634.3	10,603.5	38.3	38.4	132.23	377.8	-398.1	109.6	34.3	75.34	1.455	Level 3
10,700.0	10,646.9	10,676.7	10,645.9	38.3	38.6	138.92	377.8	-398.1	130.1	54.4	75.64	1.719	
10,750.0	10,686.8	10,716.6	10,685.8	38.4	38.7	144.08	377.8	-398.1	155.5	79.6	75.96	2.047	
10,800.0	10,723.9	10,753.7	10,722.9	38.5	38.8	147.84	377.8	-398.1	185.5	109.2	76.26	2.432	
10,850.0	10,758.0	10,787.8	10,757.0	38.5	38.9	150.40	377.8	-398.1	219.4	142.8	76.53	2.866	
10,900.0	10,788.7	10,818.5	10,787.7	38.6	39.1	151.93	377.8	-398.1	256.7	179.9	76.76	3.344	
10,950.0	10,815.9	10,845.7	10,814.9	38.6	39.2	152.48	377.8	-398.1	297.0	220.1	76.96	3.860	
11,000.0	10,839.3	10,869.1	10,838.3	38.6	39.2	151.96	377.8	-398.1	339.9	262.8	77.12	4.407	
11,050.0	10,858.8	10,888.6	10,857.8	38.7	39.3	150.09	377.8	-398.1	384.9	307.6	77.26	4.982	
11,100.0	10,874.2	10,904.0	10,873.2	38.7	39.4	146.18	377.8	-398.1	431.6	354.3	77.36	5.579	
11,150.0	10,885.4	10,915.2	10,884.4	38.7	39.4	138.57	377.8	-398.1	479.7	402.2	77.44	6.194	
11,200.0	10,892.4	10,922.2	10,891.4	38.8	39.4	123.25	377.8	-398.1	528.6	451.1	77.49	6.821	
11,254.5	10,895.0	10,924.8	10,894.0	38.9	39.4	90.00	377.8	-398.1	582.5	505.0	77.52	7.514	
11,300.0	10,895.0	10,924.8	10,894.0	39.0	39.4	90.00	377.8	-398.1	627.6	550.0	77.54	8.094	
11,407.5	10,895.0	10,924.8	10,894.0	39.3	39.4	90.00	377.8	-398.1	733.9	656.4	77.58	9.460	
11,500.0	10,895.0	10,924.8	10,894.0	39.6	39.4	90.00	377.8	-398.1	825.5	747.9	77.62	10.636	
11,600.0	10,895.0	10,924.8	10,894.0	40.0	39.4	90.00	377.8	-398.1	924.7	847.1	77.65	11.909	
11,700.0	10,895.0	10,924.8	10,894.0	40.5	39.4	90.00	377.8	-398.1	1,024.1	946.4	77.68	13.184	
11,800.0	10,895.0	10,924.8	10,894.0	41.0	39.4	90.00	377.8	-398.1	1,123.6	1,045.9	77.70	14.460	
11,900.0	10,895.0	10,924.8	10,894.0	41.6	39.4	90.00	377.8	-398.1	1,223.1	1,145.4	77.73	15.736	
12,000.0	10,895.0	10,924.8	10,894.0	42.2	39.4	90.00	377.8	-398.1	1,322.7	1,245.0	77.75	17.013	
12,100.0	10,895.0	13,470.7	12,260.0	42.9	47.4	-179.80	-1,039.3	-271.7	1,366.0	1,325.1	40.90	33.400	
12,200.0	10,895.0	13,570.7	12,260.0	43.6	48.1	-179.80	-1,139.3	-270.9	1,366.0	1,324.3	41.75	32.721	
12,300.0	10,895.0	13,670.7	12,260.0	44.4	48.8	-179.80	-1,239.3	-270.1	1,366.0	1,323.4	42.64	32.038	
12,400.0	10,895.0	13,770.7	12,260.0	45.2	49.6	-179.79	-1,339.3	-269.3	1,366.0	1,322.4	43.57	31.355	
12,500.0	10,895.0	13,870.7	12,260.0	46.1	50.4	-179.79	-1,439.3	-268.5	1,366.0	1,321.5	44.53	30.677	
12,600.0	10,895.0	13,970.7	12,260.0	47.0	51.3	-179.79	-1,539.3	-267.8	1,366.0	1,320.5	45.53	30.004	
12,700.0	10,895.0	14,070.7	12,260.0	48.0	52.2	-179.79	-1,639.3	-267.0	1,366.0	1,319.5	46.56	29.341	
12,800.0	10,895.0	14,170.7	12,260.0	49.0	53.1	-179.79	-1,739.3	-266.2	1,366.0	1,318.4	47.61	28.689	
12,900.0	10,895.0	14,270.7	12,260.0	50.0	54.1	-179.79	-1,839.3	-265.4	1,366.0	1,317.3	48.70	28.050	
13,000.0	10,895.0	14,370.7	12,260.0	51.1	55.1	-179.79	-1,939.3	-264.6	1,366.0	1,316.2	49.81	27.424	
13,100.0	10,895.0	14,470.7	12,260.0	52.2	56.1	-179.79	-2,039.3	-263.8	1,366.0	1,315.1	50.95	26.813	
13,200.0	10,895.0	14,570.7	12,260.0	53.3	57.2	-179.79	-2,139.3	-263.1	1,366.0	1,313.9	52.10	26.217	
13,300.0	10,895.0	14,670.7	12,260.0	54.4	58.3	-179.79	-2,239.3	-262.3	1,366.0	1,312.7	53.28	25.637	
13,400.0	10,895.0	14,770.7	12,260.0	55.6	59.4	-179.79	-2,339.3	-261.5	1,366.0	1,311.5	54.48	25.074	
13,500.0	10,895.0	14,870.7	12,260.0	56.8	60.5	-179.79	-2,439.3	-260.7	1,366.0	1,310.3	55.70	24.526	
13,600.0	10,895.0	14,970.7	12,260.0	58.0	61.7	-179.79	-2,539.3	-259.9	1,366.0	1,309.1	56.93	23.994	
13,700.0	10,895.0	15,070.7	12,260.0	59.2	62.8	-179.79	-2,639.3	-259.1	1,366.0	1,307.8	58.18	23.479	
13,800.0	10,895.0	15,170.7	12,260.0	60.5	64.0	-179.79	-2,739.3	-258.4	1,366.0	1,306.6	59.44	22.980	
13,900.0	10,895.0	15,270.7	12,260.0	61.8	65.3	-179.79	-2,839.3	-257.6	1,366.0	1,305.3	60.72	22.496	
14,000.0	10,895.0	15,370.7	12,260.0	63.1	66.5	-179.79	-2,939.3	-256.8	1,366.0	1,304.0	62.02	22.027	
14,100.0	10,895.0	15,470.7	12,260.0	64.4	67.8	-179.79	-3,039.3	-256.0	1,366.0	1,302.7	63.32	21.573	
14,200.0	10,895.0	15,570.7	12,260.0	65.7	69.0	-179.79	-3,139.3	-255.2	1,366.0	1,301.4	64.64	21.134	
14,300.0	10,895.0	15,670.7	12,260.0	67.0	70.3	-179.78	-3,239.3	-254.4	1,366.0	1,300.0	65.96	20.709	
14,400.0	10,895.0	15,770.7	12,260.0	68.4	71.6	-179.78	-3,339.3	-253.7	1,366.0	1,298.7	67.30	20.297	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.0	10,895.0	15,870.7	12,260.0	69.8	73.0	-179.78	-3,439.3	-252.9	1,366.0	1,297.4	68.65	19.899	
14,600.0	10,895.0	15,970.7	12,260.0	71.1	74.3	-179.78	-3,539.3	-252.1	1,366.0	1,296.0	70.00	19.513	
14,700.0	10,895.0	16,070.7	12,260.0	72.5	75.6	-179.78	-3,639.2	-251.3	1,366.0	1,294.6	71.37	19.140	
14,800.0	10,895.0	16,170.7	12,260.0	73.9	77.0	-179.78	-3,739.2	-250.5	1,366.0	1,293.3	72.74	18.779	
14,900.0	10,895.0	16,270.7	12,260.0	75.3	78.4	-179.78	-3,839.2	-249.7	1,366.0	1,291.9	74.12	18.429	
15,000.0	10,895.0	16,370.7	12,260.0	76.7	79.7	-179.78	-3,939.2	-249.0	1,366.0	1,290.5	75.51	18.090	
15,100.0	10,895.0	16,470.7	12,260.0	78.2	81.1	-179.78	-4,039.2	-248.2	1,366.0	1,289.1	76.91	17.762	
15,200.0	10,895.0	16,570.7	12,260.0	79.6	82.5	-179.78	-4,139.2	-247.4	1,366.0	1,287.7	78.31	17.444	
15,300.0	10,895.0	16,670.7	12,260.0	81.1	83.9	-179.78	-4,239.2	-246.6	1,366.0	1,286.3	79.72	17.136	
15,400.0	10,895.0	16,770.7	12,260.0	82.5	85.4	-179.78	-4,339.2	-245.8	1,366.0	1,284.9	81.13	16.837	
15,500.0	10,895.0	16,870.7	12,260.0	84.0	86.8	-179.78	-4,439.2	-245.0	1,366.0	1,283.5	82.55	16.547	
15,600.0	10,895.0	16,970.7	12,260.0	85.4	88.2	-179.78	-4,539.2	-244.3	1,366.0	1,282.0	83.98	16.267	
15,700.0	10,895.0	17,070.7	12,260.0	86.9	89.7	-179.78	-4,639.2	-243.5	1,366.0	1,280.6	85.41	15.994	
15,800.0	10,895.0	17,170.7	12,260.0	88.4	91.1	-179.78	-4,739.2	-242.7	1,366.0	1,279.2	86.84	15.730	
15,900.0	10,895.0	17,270.7	12,260.0	89.9	92.6	-179.78	-4,839.2	-241.9	1,366.0	1,277.7	88.28	15.474	
16,000.0	10,895.0	17,370.7	12,260.0	91.4	94.0	-179.78	-4,939.2	-241.1	1,366.0	1,276.3	89.72	15.225	
16,100.0	10,895.0	17,470.7	12,260.0	92.8	95.5	-179.78	-5,039.2	-240.3	1,366.0	1,274.8	91.17	14.983	
16,200.0	10,895.0	17,570.7	12,260.0	94.3	97.0	-179.77	-5,139.2	-239.6	1,366.0	1,273.4	92.62	14.748	
16,300.0	10,895.0	17,670.7	12,260.0	95.9	98.4	-179.77	-5,239.2	-238.8	1,366.0	1,271.9	94.08	14.520	
16,400.0	10,895.0	17,770.7	12,260.0	97.4	99.9	-179.77	-5,339.2	-238.0	1,366.0	1,270.5	95.54	14.298	
16,500.0	10,895.0	17,870.7	12,260.0	98.9	101.4	-179.77	-5,439.2	-237.2	1,366.0	1,269.0	97.00	14.082	
16,600.0	10,895.0	17,970.7	12,260.0	100.4	102.9	-179.77	-5,539.2	-236.4	1,366.0	1,267.5	98.47	13.873	
16,700.0	10,895.0	18,070.7	12,260.0	101.9	104.4	-179.77	-5,639.2	-235.6	1,366.0	1,266.1	99.94	13.669	
16,800.0	10,895.0	18,170.7	12,260.0	103.4	105.9	-179.77	-5,739.2	-234.9	1,366.0	1,264.6	101.41	13.470	
16,900.0	10,895.0	18,270.7	12,260.0	105.0	107.4	-179.77	-5,839.2	-234.1	1,366.0	1,263.1	102.88	13.277	
17,000.0	10,895.0	18,370.7	12,260.0	106.5	108.9	-179.77	-5,939.2	-233.3	1,366.0	1,261.7	104.36	13.089	
17,100.0	10,895.0	18,470.7	12,260.0	108.1	110.5	-179.77	-6,039.2	-232.5	1,366.0	1,260.2	105.84	12.906	
17,200.0	10,895.0	18,570.7	12,260.0	109.6	112.0	-179.77	-6,139.2	-231.7	1,366.0	1,258.7	107.32	12.728	
17,300.0	10,895.0	18,670.7	12,260.0	111.1	113.5	-179.77	-6,239.2	-230.9	1,366.0	1,257.2	108.81	12.554	
17,400.0	10,895.0	18,770.7	12,260.0	112.7	115.0	-179.77	-6,339.2	-230.2	1,366.0	1,255.7	110.30	12.385	
17,500.0	10,895.0	18,870.7	12,260.0	114.2	116.6	-179.77	-6,439.2	-229.4	1,366.0	1,254.2	111.79	12.220	
17,600.0	10,895.0	18,970.7	12,260.0	115.8	118.1	-179.77	-6,539.2	-228.6	1,366.0	1,252.7	113.28	12.059	
17,700.0	10,895.0	19,070.7	12,260.0	117.3	119.6	-179.77	-6,639.2	-227.8	1,366.0	1,251.2	114.77	11.902	
17,800.0	10,895.0	19,170.7	12,260.0	118.9	121.2	-179.77	-6,739.2	-227.0	1,366.0	1,249.7	116.27	11.749	
17,900.0	10,895.0	19,270.7	12,260.0	120.5	122.7	-179.77	-6,839.1	-226.2	1,366.0	1,248.2	117.77	11.599	
18,000.0	10,895.0	19,370.7	12,260.0	122.0	124.3	-179.77	-6,939.1	-225.4	1,366.0	1,246.7	119.27	11.454	
18,100.0	10,895.0	19,470.7	12,260.0	123.6	125.8	-179.76	-7,039.1	-224.7	1,366.0	1,245.2	120.77	11.311	
18,200.0	10,895.0	19,570.7	12,260.0	125.1	127.4	-179.76	-7,139.1	-223.9	1,366.0	1,243.7	122.27	11.172	
18,300.0	10,895.0	19,670.7	12,260.0	126.7	128.9	-179.76	-7,239.1	-223.1	1,366.0	1,242.2	123.78	11.036	
18,400.0	10,895.0	19,770.7	12,260.0	128.3	130.5	-179.76	-7,339.1	-222.3	1,366.0	1,240.7	125.28	10.904	
18,500.0	10,895.0	19,870.7	12,260.0	129.9	132.0	-179.76	-7,439.1	-221.5	1,366.0	1,239.2	126.79	10.774	
18,600.0	10,895.0	19,970.7	12,260.0	131.4	133.6	-179.76	-7,539.1	-220.7	1,366.0	1,237.7	128.30	10.647	
18,700.0	10,895.0	20,070.7	12,260.0	133.0	135.2	-179.76	-7,639.1	-220.0	1,366.0	1,236.2	129.81	10.523	
18,800.0	10,895.0	20,170.7	12,260.0	134.6	136.7	-179.76	-7,739.1	-219.2	1,366.0	1,234.7	131.32	10.402	
18,900.0	10,895.0	20,270.7	12,260.0	136.2	138.3	-179.76	-7,839.1	-218.4	1,366.0	1,233.2	132.84	10.283	
19,000.0	10,895.0	20,370.7	12,260.0	137.7	139.9	-179.76	-7,939.1	-217.6	1,366.0	1,231.7	134.35	10.168	
19,100.0	10,895.0	20,470.7	12,260.0	139.3	141.4	-179.76	-8,039.1	-216.8	1,366.0	1,230.1	135.87	10.054	
19,200.0	10,895.0	20,570.7	12,260.0	140.9	143.0	-179.76	-8,139.1	-216.0	1,366.0	1,228.6	137.38	9.943	
19,300.0	10,895.0	20,670.7	12,260.0	142.5	144.6	-179.76	-8,239.1	-215.3	1,366.0	1,227.1	138.90	9.834	
19,400.0	10,895.0	20,770.7	12,260.0	144.1	146.2	-179.76	-8,339.1	-214.5	1,366.0	1,225.6	140.42	9.728	
19,500.0	10,895.0	20,870.7	12,260.0	145.7	147.8	-179.76	-8,439.1	-213.7	1,366.0	1,224.1	141.94	9.624	
19,600.0	10,895.0	20,970.7	12,260.0	147.3	149.3	-179.76	-8,539.1	-212.9	1,366.0	1,222.5	143.46	9.522	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,700.0	10,895.0	21,070.7	12,260.0	148.9	150.9	-179.76	-8,639.1	-212.1	1,366.0	1,221.0	144.99	9.422	
19,800.0	10,895.0	21,170.7	12,260.0	150.5	152.5	-179.76	-8,739.1	-211.3	1,366.0	1,219.5	146.51	9.324	
19,900.0	10,895.0	21,270.7	12,260.0	152.0	154.1	-179.76	-8,839.1	-210.6	1,366.0	1,218.0	148.04	9.228	
20,000.0	10,895.0	21,370.7	12,260.0	153.6	155.7	-179.75	-8,939.1	-209.8	1,366.0	1,216.5	149.56	9.133	
20,100.0	10,895.0	21,470.7	12,260.0	155.2	157.3	-179.75	-9,039.1	-209.0	1,366.0	1,214.9	151.09	9.041	
20,200.0	10,895.0	21,570.7	12,260.0	156.8	158.8	-179.75	-9,139.1	-208.2	1,366.0	1,213.4	152.62	8.951	
20,300.0	10,895.0	21,670.7	12,260.0	158.4	160.4	-179.75	-9,239.1	-207.4	1,366.0	1,211.9	154.14	8.862	
20,400.0	10,895.0	21,770.7	12,260.0	160.0	162.0	-179.75	-9,339.1	-206.6	1,366.0	1,210.3	155.67	8.775	
20,500.0	10,895.0	21,870.7	12,260.0	161.6	163.6	-179.75	-9,439.1	-205.9	1,366.0	1,208.8	157.20	8.690	
20,600.0	10,895.0	21,970.7	12,260.0	163.2	165.2	-179.75	-9,539.1	-205.1	1,366.0	1,207.3	158.73	8.606	
20,700.0	10,895.0	22,070.7	12,260.0	164.8	166.8	-179.75	-9,639.1	-204.3	1,366.0	1,205.7	160.26	8.524	
20,800.0	10,895.0	22,170.7	12,260.0	166.4	168.4	-179.75	-9,739.1	-203.5	1,366.0	1,204.2	161.80	8.443	
20,900.0	10,895.0	22,270.7	12,260.0	168.0	170.0	-179.75	-9,839.1	-202.7	1,366.0	1,202.7	163.33	8.364	
21,000.0	10,895.0	22,370.7	12,260.0	169.6	171.6	-179.75	-9,939.1	-201.9	1,366.0	1,201.2	164.86	8.286	
21,002.7	10,895.0	22,373.4	12,260.0	169.7	171.6	-179.75	-9,941.7	-201.9	1,366.0	1,201.1	164.90	8.284	
21,100.0	10,895.0	22,424.7	12,260.0	171.2	172.5	-179.75	-9,993.0	-201.5	1,366.8	1,201.2	165.62	8.252	
21,194.3	10,895.0	22,424.7	12,260.0	172.8	172.5	-179.75	-9,993.0	-201.5	1,373.2	1,208.1	165.08	8.319	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #226H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-90.38	-0.5	-79.9	79.9				
100.0	100.0	100.0	100.0	0.1	0.1	-90.38	-0.5	-79.9	79.9	79.7	0.26	311.905	
200.0	200.0	200.0	200.0	0.5	0.5	-90.38	-0.5	-79.9	79.9	79.0	0.97	82.141	
300.0	300.0	300.0	300.0	0.8	0.8	-90.38	-0.5	-79.9	79.9	78.3	1.69	47.298	
400.0	400.0	400.0	400.0	1.2	1.2	-90.38	-0.5	-79.9	79.9	77.5	2.41	33.211	
500.0	500.0	500.0	500.0	1.6	1.6	-90.38	-0.5	-79.9	79.9	76.8	3.12	25.589	
600.0	600.0	600.0	600.0	1.9	1.9	-90.38	-0.5	-79.9	79.9	76.1	3.84	20.813	
700.0	700.0	700.0	700.0	2.3	2.3	-90.38	-0.5	-79.9	79.9	75.4	4.56	17.539	
800.0	800.0	800.0	800.0	2.6	2.6	-90.38	-0.5	-79.9	79.9	74.7	5.27	15.155	
900.0	900.0	900.0	900.0	3.0	3.0	-90.38	-0.5	-79.9	79.9	74.0	5.99	13.342	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-90.38	-0.5	-79.9	79.9	73.2	6.71	11.916	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	-90.38	-0.5	-79.9	79.9	72.5	7.43	10.766	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	-90.38	-0.5	-79.9	79.9	71.8	8.14	9.818	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-90.38	-0.5	-79.9	79.9	71.1	8.86	9.023	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	-90.38	-0.5	-79.9	79.9	70.4	9.58	8.348	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	-90.38	-0.5	-79.9	79.9	69.7	10.29	7.766	
1,600.0	1,600.0	1,600.8	1,600.8	5.5	5.5	-89.85	0.2	-79.4	79.5	68.4	11.01	7.216	
1,700.0	1,700.0	1,701.5	1,701.5	5.9	5.9	-88.23	2.4	-78.0	78.0	66.3	11.73	6.653	
1,800.0	1,800.0	1,802.1	1,802.0	6.2	6.2	-85.39	6.1	-75.5	75.8	63.3	12.44	6.091	
1,900.0	1,900.0	1,902.5	1,902.2	6.6	6.6	-81.16	11.2	-72.1	73.0	59.8	13.16	5.546	
2,000.0	2,000.0	2,002.7	2,002.0	6.9	6.9	-75.29	17.8	-67.7	70.0	56.1	13.87	5.044	
2,100.0	2,100.0	2,102.5	2,101.4	7.3	7.3	-67.54	25.7	-62.3	67.4	52.8	14.60	4.619	
2,200.0	2,200.0	2,202.0	2,200.3	7.7	7.7	-57.90	35.1	-56.0	66.1	50.8	15.32	4.314	
2,216.8	2,216.8	2,218.7	2,216.8	7.7	7.7	-56.11	36.8	-54.8	66.1	50.6	15.44	4.277	CC, ES
2,300.0	2,300.0	2,301.1	2,298.5	8.0	8.0	-46.74	45.9	-48.8	67.0	50.9	16.05	4.174	SF
2,400.0	2,400.0	2,400.1	2,396.5	8.4	8.4	-35.63	57.3	-41.1	70.6	53.8	16.76	4.212	
2,500.0	2,500.0	2,500.9	2,494.6	8.7	8.8	-25.90	68.8	-33.4	76.6	59.2	17.48	4.384	
2,600.0	2,600.0	2,601.8	2,592.7	9.1	9.2	22.88	80.2	-25.7	83.7	65.6	18.19	4.604	
2,700.0	2,700.0	2,702.7	2,690.8	9.4	9.6	30.32	91.7	-18.0	90.8	72.0	18.89	4.809	
2,800.0	2,799.9	2,803.6	2,788.9	9.8	10.0	37.20	103.1	-10.3	97.9	78.3	19.59	4.996	
2,900.0	2,899.7	2,904.6	2,887.0	10.2	10.4	43.71	114.5	-2.6	104.9	84.6	20.29	5.170	
3,000.0	2,999.4	2,994.5	2,985.1	10.5	10.7	50.01	126.0	5.0	112.0	91.0	20.95	5.346	
3,100.0	3,098.9	3,106.6	3,083.1	10.9	11.1	56.17	137.4	12.7	119.3	97.6	21.69	5.501	
3,200.0	3,198.3	3,207.8	3,180.9	11.2	11.6	62.23	148.8	20.4	127.1	104.7	22.40	5.673	
3,300.0	3,297.4	3,290.9	3,278.6	11.6	11.9	68.20	160.2	28.0	135.5	112.4	23.05	5.878	
3,400.0	3,396.4	3,389.5	3,376.3	12.0	12.3	73.81	171.6	35.7	145.0	121.2	23.77	6.099	
3,500.0	3,495.5	3,488.0	3,473.9	12.3	12.7	78.71	183.0	43.4	155.7	131.2	24.50	6.355	
3,600.0	3,594.5	3,586.6	3,571.5	12.7	13.1	82.96	194.4	51.0	167.4	142.2	25.24	6.634	
3,700.0	3,693.5	3,685.2	3,669.1	13.1	13.5	86.64	205.8	58.7	179.9	154.0	25.98	6.925	
3,800.0	3,792.5	3,783.8	3,766.8	13.5	13.9	89.84	217.2	66.3	193.1	166.4	26.73	7.223	
3,900.0	3,891.6	3,882.4	3,864.4	13.9	14.3	92.63	228.6	74.0	206.8	179.3	27.49	7.522	
4,000.0	3,990.6	3,981.0	3,962.0	14.2	14.7	95.07	240.0	81.6	220.9	192.6	28.25	7.820	
4,100.0	4,089.6	4,079.6	4,059.6	14.6	15.1	97.21	251.3	89.3	235.4	206.3	29.01	8.113	
4,200.0	4,188.6	4,178.1	4,157.3	15.0	15.5	99.11	262.7	96.9	250.1	220.3	29.77	8.400	
4,300.0	4,287.7	4,276.7	4,254.9	15.4	15.9	100.79	274.1	104.6	265.1	234.5	30.54	8.680	
4,400.0	4,386.7	4,375.3	4,352.5	15.8	16.3	102.30	285.5	112.2	280.3	249.0	31.31	8.952	
4,500.0	4,485.7	4,473.9	4,450.1	16.2	16.7	103.65	296.9	119.9	295.6	263.5	32.08	9.216	
4,600.0	4,584.8	4,572.5	4,547.8	16.6	17.1	104.86	308.3	127.5	311.1	278.3	32.85	9.472	
4,700.0	4,683.8	4,671.1	4,645.4	17.0	17.5	105.96	319.7	135.2	326.7	293.1	33.62	9.719	
4,800.0	4,782.8	4,769.7	4,743.0	17.4	17.9	106.96	331.1	142.8	342.5	308.1	34.39	9.959	
4,900.0	4,881.8	4,868.2	4,840.7	17.8	18.3	107.88	342.5	150.5	358.3	323.1	35.16	10.190	
5,000.0	4,980.9	4,969.0	4,940.4	18.2	18.7	108.74	354.0	158.2	374.1	338.2	35.96	10.404	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #226H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,079.9	5,076.5	5,047.2	18.6	19.1	109.77	364.6	165.3	388.4	351.6	36.82	10.548	
5,200.0	5,178.9	5,184.4	5,154.6	19.0	19.5	110.99	372.6	170.7	400.6	362.9	37.66	10.636	
5,300.0	5,277.9	5,292.5	5,262.6	19.4	19.9	112.39	378.2	174.5	410.7	372.2	38.48	10.673	
5,400.0	5,377.0	5,400.7	5,370.7	19.8	20.3	113.99	381.2	176.5	418.8	379.6	39.27	10.665	
5,500.0	5,476.0	5,506.0	5,476.0	20.2	20.7	115.74	381.8	176.9	425.2	385.2	40.04	10.622	
5,600.0	5,575.0	5,605.1	5,575.0	20.6	21.0	117.39	381.8	176.9	431.5	390.7	40.78	10.582	
5,700.0	5,674.0	5,704.1	5,674.0	21.0	21.3	119.00	381.8	176.9	438.1	396.6	41.52	10.552	
5,800.0	5,773.1	5,803.1	5,773.1	21.4	21.7	120.55	381.8	176.9	445.1	402.8	42.26	10.533	
5,900.0	5,872.1	5,902.1	5,872.1	21.8	22.0	122.06	381.8	176.9	452.4	409.4	43.00	10.522	
6,000.0	5,971.1	6,001.2	5,971.1	22.2	22.3	123.52	381.8	176.9	460.0	416.2	43.73	10.518	
6,100.0	6,070.2	6,100.2	6,070.2	22.6	22.7	124.93	381.8	176.9	467.9	423.4	44.46	10.523	
6,199.8	6,169.0	6,201.0	6,169.0	23.0	23.0	126.29	381.8	176.9	476.0	430.8	45.20	10.532	
6,300.0	6,268.4	6,301.6	6,268.4	23.4	23.3	127.58	381.8	176.9	483.6	437.7	45.93	10.530	
6,400.0	6,367.9	6,402.1	6,367.9	23.8	23.7	128.58	381.8	176.9	489.8	443.2	46.65	10.501	
6,500.0	6,467.6	6,502.4	6,467.6	24.2	24.0	129.31	381.8	176.9	494.5	447.1	47.36	10.442	
6,600.0	6,567.5	6,602.5	6,567.5	24.5	24.4	129.77	381.8	176.9	497.5	449.5	48.06	10.353	
6,700.0	6,667.5	6,702.5	6,667.5	24.9	24.7	129.98	381.8	176.9	498.9	450.2	48.76	10.234	
6,733.1	6,700.6	6,730.6	6,700.6	25.0	24.8	89.54	381.8	176.9	499.0	450.1	48.97	10.191	
6,800.0	6,767.5	6,802.5	6,767.5	25.2	25.0	89.54	381.8	176.9	499.0	449.6	49.44	10.093	
6,900.0	6,867.5	6,902.5	6,867.5	25.6	25.4	89.54	381.8	176.9	499.0	448.9	50.13	9.954	
7,000.0	6,967.5	7,002.5	6,967.5	25.9	25.7	89.54	381.8	176.9	499.0	448.2	50.82	9.819	
7,100.0	7,067.5	7,102.5	7,067.5	26.2	26.1	89.54	381.8	176.9	499.0	447.5	51.51	9.687	
7,200.0	7,167.5	7,202.5	7,167.5	26.6	26.4	89.54	381.8	176.9	499.0	446.8	52.21	9.559	
7,300.0	7,267.5	7,302.5	7,267.5	26.9	26.8	89.54	381.8	176.9	499.0	446.1	52.90	9.434	
7,400.0	7,367.5	7,402.5	7,367.5	27.3	27.1	89.54	381.8	176.9	499.0	445.4	53.59	9.312	
7,500.0	7,467.5	7,502.5	7,467.5	27.6	27.4	89.54	381.8	176.9	499.0	444.8	54.28	9.193	
7,600.0	7,567.5	7,602.5	7,567.5	27.9	27.8	89.54	381.8	176.9	499.0	444.1	54.98	9.077	
7,700.0	7,667.5	7,702.5	7,667.5	28.3	28.1	89.54	381.8	176.9	499.0	443.4	55.67	8.964	
7,800.0	7,767.5	7,802.5	7,767.5	28.6	28.5	89.54	381.8	176.9	499.0	442.7	56.37	8.853	
7,900.0	7,867.5	7,902.5	7,867.5	29.0	28.8	89.54	381.8	176.9	499.0	442.0	57.06	8.745	
8,000.0	7,967.5	8,002.5	7,967.5	29.3	29.2	89.54	381.8	176.9	499.0	441.3	57.76	8.640	
8,100.0	8,067.5	8,102.5	8,067.5	29.7	29.5	89.54	381.8	176.9	499.0	440.6	58.46	8.537	
8,200.0	8,167.5	8,202.5	8,167.5	30.0	29.9	89.54	381.8	176.9	499.0	439.9	59.15	8.436	
8,300.0	8,267.5	8,302.5	8,267.5	30.4	30.2	89.54	381.8	176.9	499.0	439.2	59.85	8.338	
8,400.0	8,367.5	8,402.5	8,367.5	30.7	30.6	89.54	381.8	176.9	499.0	438.5	60.55	8.242	
8,500.0	8,467.5	8,502.5	8,467.5	31.0	30.9	89.54	381.8	176.9	499.0	437.8	61.25	8.148	
8,600.0	8,567.5	8,602.5	8,567.5	31.4	31.2	89.54	381.8	176.9	499.0	437.1	61.95	8.056	
8,700.0	8,667.5	8,702.5	8,667.5	31.7	31.6	89.54	381.8	176.9	499.0	436.4	62.65	7.966	
8,800.0	8,767.5	8,802.5	8,767.5	32.1	31.9	89.54	381.8	176.9	499.0	435.7	63.35	7.878	
8,900.0	8,867.5	8,902.5	8,867.5	32.4	32.3	89.54	381.8	176.9	499.0	435.0	64.05	7.792	
9,000.0	8,967.5	9,002.5	8,967.5	32.8	32.6	89.54	381.8	176.9	499.0	434.3	64.75	7.708	
9,100.0	9,067.5	9,102.5	9,067.5	33.1	33.0	89.54	381.8	176.9	499.0	433.6	65.45	7.625	
9,200.0	9,167.5	9,202.5	9,167.5	33.5	33.3	89.54	381.8	176.9	499.0	432.9	66.15	7.544	
9,300.0	9,267.5	9,302.5	9,267.5	33.8	33.7	89.54	381.8	176.9	499.0	432.2	66.85	7.465	
9,400.0	9,367.5	9,402.5	9,367.5	34.2	34.0	89.54	381.8	176.9	499.0	431.5	67.55	7.387	
9,500.0	9,467.5	9,502.5	9,467.5	34.5	34.4	89.54	381.8	176.9	499.0	430.8	68.25	7.311	
9,600.0	9,567.5	9,602.5	9,567.5	34.9	34.7	89.54	381.8	176.9	499.0	430.1	68.96	7.237	
9,700.0	9,667.5	9,702.5	9,667.5	35.2	35.1	89.54	381.8	176.9	499.0	429.4	69.66	7.164	
9,800.0	9,767.5	9,802.5	9,767.5	35.6	35.4	89.54	381.8	176.9	499.0	428.7	70.36	7.092	
9,900.0	9,867.5	9,902.5	9,867.5	35.9	35.8	89.54	381.8	176.9	499.0	428.0	71.07	7.022	
10,000.0	9,967.5	10,002.5	9,967.5	36.3	36.1	89.54	381.8	176.9	499.0	427.3	71.77	6.953	
10,100.0	10,067.5	10,102.5	10,067.5	36.6	36.5	89.54	381.8	176.9	499.0	426.6	72.47	6.886	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #226H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,167.5	10,202.5	10,167.5	37.0	36.8	89.54	381.8	176.9	499.0	425.9	73.18	6.820	
10,300.0	10,267.5	10,302.5	10,267.5	37.3	37.2	89.54	381.8	176.9	499.0	425.2	73.88	6.755	
10,354.5	10,322.0	10,352.0	10,322.0	37.5	37.4	89.54	381.8	176.9	499.0	424.8	74.25	6.721	
10,400.0	10,367.4	10,402.6	10,367.4	37.6	37.5	-87.17	381.8	176.9	498.9	424.4	74.57	6.690	
10,450.0	10,417.0	10,447.0	10,417.0	37.8	37.7	-87.90	381.8	176.9	498.7	423.8	74.88	6.660	
10,500.0	10,465.9	10,504.1	10,465.9	37.9	37.9	-89.10	381.8	176.9	498.4	423.2	75.22	6.626	
10,529.4	10,494.2	10,524.2	10,494.2	38.0	38.0	-90.00	381.8	176.9	498.3	423.0	75.36	6.613	
10,550.0	10,513.7	10,543.7	10,513.7	38.0	38.0	-90.71	381.8	176.9	498.4	422.9	75.48	6.603	
10,600.0	10,560.0	10,609.9	10,560.0	38.2	38.3	-92.64	381.8	176.9	499.0	423.1	75.83	6.580	
10,650.0	10,604.5	10,634.6	10,604.5	38.3	38.4	-94.79	381.8	176.9	500.6	424.6	76.02	6.585	
10,700.0	10,646.9	10,676.9	10,646.9	38.3	38.5	-97.02	381.8	176.9	503.9	427.6	76.26	6.607	
10,750.0	10,686.8	10,716.8	10,686.8	38.4	38.6	-99.20	381.8	176.9	509.2	432.7	76.49	6.657	
10,800.0	10,723.9	10,754.0	10,723.9	38.5	38.8	-101.17	381.8	176.9	517.1	440.4	76.69	6.743	
10,850.0	10,758.0	10,788.0	10,758.0	38.5	38.9	-102.82	381.8	176.9	528.1	451.2	76.87	6.870	
10,900.0	10,788.7	10,818.8	10,788.7	38.6	39.0	-104.00	381.8	176.9	542.4	465.4	77.03	7.041	
10,950.0	10,815.9	10,845.9	10,815.9	38.6	39.1	-104.60	381.8	176.9	560.3	483.1	77.17	7.261	
11,000.0	10,839.3	10,869.4	10,839.3	38.6	39.2	-104.52	381.8	176.9	581.8	504.5	77.28	7.528	
11,050.0	10,858.8	10,888.9	10,858.8	38.7	39.2	-103.65	381.8	176.9	606.8	529.4	77.37	7.843	
11,100.0	10,874.2	10,904.3	10,874.2	38.7	39.3	-101.89	381.8	176.9	635.1	557.7	77.44	8.202	
11,150.0	10,885.4	10,915.5	10,885.4	38.7	39.3	-99.15	381.8	176.9	666.4	589.0	77.48	8.602	
11,200.0	10,892.4	10,922.4	10,892.4	38.8	39.4	-95.36	381.8	176.9	700.3	622.8	77.50	9.036	
11,254.5	10,895.0	10,925.0	10,895.0	38.9	39.4	-90.00	381.8	176.9	739.6	662.1	77.50	9.543	
11,300.0	10,895.0	10,925.0	10,895.0	39.0	39.4	-90.00	381.8	176.9	774.0	696.5	77.49	9.988	
11,407.5	10,895.0	10,925.0	10,895.0	39.3	39.4	-90.00	381.8	176.9	861.1	783.6	77.48	11.114	
11,500.0	10,895.0	10,925.0	10,895.0	39.6	39.4	-90.00	381.8	176.9	940.3	862.8	77.48	12.136	
11,600.0	10,895.0	10,925.0	10,895.0	40.0	39.4	-90.00	381.8	176.9	1,028.5	951.0	77.49	13.273	
11,700.0	10,895.0	10,925.0	10,895.0	40.5	39.4	-90.00	381.8	176.9	1,118.6	1,041.1	77.50	14.434	
11,800.0	10,895.0	10,925.0	10,895.0	41.0	39.4	-90.00	381.8	176.9	1,210.3	1,132.8	77.51	15.615	
11,900.0	10,895.0	10,925.0	10,895.0	41.6	39.4	-90.00	381.8	176.9	1,303.2	1,225.7	77.53	16.810	
12,000.0	10,895.0	10,925.0	10,895.0	42.2	39.4	-90.00	381.8	176.9	1,397.1	1,319.6	77.54	18.017	
12,100.0	10,895.0	10,925.0	10,895.0	42.9	39.4	-90.00	381.8	176.9	1,491.8	1,414.2	77.56	19.234	
12,200.0	10,895.0	10,925.0	10,895.0	43.6	39.4	-90.00	381.8	176.9	1,587.1	1,509.5	77.58	20.458	
12,300.0	10,895.0	10,925.0	10,895.0	44.4	39.4	-90.00	381.8	176.9	1,683.0	1,605.4	77.60	21.688	
12,400.0	10,895.0	10,925.0	10,895.0	45.2	39.4	-90.00	381.8	176.9	1,779.3	1,701.7	77.62	22.923	
12,500.0	10,895.0	14,241.8	12,634.0	46.1	51.6	-162.01	-1,435.0	291.2	1,828.4	1,775.5	52.84	34.601	
12,600.0	10,895.0	14,341.8	12,634.0	47.0	52.4	-162.01	-1,535.0	292.0	1,828.4	1,774.5	53.91	33.917	
12,700.0	10,895.0	14,441.8	12,634.0	48.0	53.3	-162.01	-1,635.0	292.8	1,828.4	1,773.4	55.01	33.237	
12,800.0	10,895.0	14,541.8	12,634.0	49.0	54.2	-162.01	-1,735.0	293.6	1,828.4	1,772.2	56.15	32.562	
12,900.0	10,895.0	14,641.8	12,634.0	50.0	55.1	-162.01	-1,834.9	294.3	1,828.4	1,771.1	57.33	31.895	
13,000.0	10,895.0	14,741.8	12,634.0	51.1	56.1	-162.01	-1,934.9	295.1	1,828.4	1,769.9	58.53	31.238	
13,100.0	10,895.0	14,841.8	12,634.0	52.2	57.1	-162.01	-2,034.9	295.9	1,828.4	1,768.6	59.77	30.592	
13,200.0	10,895.0	14,941.8	12,634.0	53.3	58.1	-162.01	-2,134.9	296.7	1,828.4	1,767.4	61.03	29.958	
13,300.0	10,895.0	15,041.8	12,634.0	54.4	59.1	-162.01	-2,234.9	297.5	1,828.4	1,766.1	62.32	29.338	
13,400.0	10,895.0	15,141.8	12,634.0	55.6	60.2	-162.01	-2,334.9	298.2	1,828.4	1,764.8	63.64	28.731	
13,500.0	10,895.0	15,241.8	12,634.0	56.8	61.3	-162.01	-2,434.9	299.0	1,828.4	1,763.4	64.98	28.139	
13,600.0	10,895.0	15,341.8	12,634.0	58.0	62.5	-162.01	-2,534.9	299.8	1,828.4	1,762.1	66.34	27.561	
13,700.0	10,895.0	15,441.8	12,634.0	59.2	63.6	-162.01	-2,634.9	300.6	1,828.4	1,760.7	67.72	26.999	
13,800.0	10,895.0	15,541.8	12,634.0	60.5	64.8	-162.01	-2,734.9	301.3	1,828.4	1,759.3	69.12	26.452	
13,900.0	10,895.0	15,641.8	12,634.0	61.8	66.0	-162.01	-2,834.9	302.1	1,828.4	1,757.9	70.54	25.919	
14,000.0	10,895.0	15,741.8	12,634.0	63.1	67.2	-162.01	-2,934.9	302.9	1,828.4	1,756.4	71.98	25.402	
14,100.0	10,895.0	15,841.8	12,634.0	64.4	68.5	-162.01	-3,034.9	303.7	1,828.4	1,755.0	73.43	24.899	
14,200.0	10,895.0	15,941.8	12,634.0	65.7	69.7	-162.01	-3,134.9	304.5	1,828.4	1,753.5	74.90	24.411	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #226H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	16,041.8	12,634.0	67.0	71.0	-162.01	-3,234.9	305.2	1,828.4	1,752.0	76.39	23.937	
14,400.0	10,895.0	16,141.8	12,634.0	68.4	72.3	-162.01	-3,334.9	306.0	1,828.4	1,750.5	77.88	23.477	
14,500.0	10,895.0	16,241.8	12,634.0	69.8	73.6	-162.01	-3,434.9	306.8	1,828.4	1,749.0	79.39	23.030	
14,600.0	10,895.0	16,341.8	12,634.0	71.1	74.9	-162.01	-3,534.9	307.6	1,828.4	1,747.5	80.91	22.597	
14,700.0	10,895.0	16,441.8	12,634.0	72.5	76.2	-162.01	-3,634.9	308.3	1,828.4	1,746.0	82.45	22.177	
14,800.0	10,895.0	16,541.8	12,634.0	73.9	77.5	-162.01	-3,734.9	309.1	1,828.4	1,744.4	83.99	21.769	
14,900.0	10,895.0	16,641.8	12,634.0	75.3	78.9	-162.01	-3,834.9	309.9	1,828.4	1,742.9	85.55	21.374	
15,000.0	10,895.0	16,741.8	12,634.0	76.7	80.2	-162.00	-3,934.9	310.7	1,828.4	1,741.3	87.11	20.990	
15,100.0	10,895.0	16,841.8	12,634.0	78.2	81.6	-162.00	-4,034.9	311.5	1,828.4	1,739.8	88.68	20.618	
15,200.0	10,895.0	16,941.8	12,634.0	79.6	83.0	-162.00	-4,134.9	312.2	1,828.4	1,738.2	90.27	20.256	
15,300.0	10,895.0	17,041.8	12,634.0	81.1	84.4	-162.00	-4,234.9	313.0	1,828.4	1,736.6	91.86	19.906	
15,400.0	10,895.0	17,141.8	12,634.0	82.5	85.8	-162.00	-4,334.9	313.8	1,828.5	1,735.0	93.45	19.565	
15,500.0	10,895.0	17,241.8	12,634.0	84.0	87.2	-162.00	-4,434.9	314.6	1,828.5	1,733.4	95.06	19.235	
15,600.0	10,895.0	17,341.8	12,634.0	85.4	88.6	-162.00	-4,534.9	315.3	1,828.5	1,731.8	96.67	18.914	
15,700.0	10,895.0	17,441.8	12,634.0	86.9	90.0	-162.00	-4,634.9	316.1	1,828.5	1,730.2	98.29	18.602	
15,800.0	10,895.0	17,541.8	12,634.0	88.4	91.5	-162.00	-4,734.9	316.9	1,828.5	1,728.5	99.92	18.300	
15,900.0	10,895.0	17,641.8	12,634.0	89.9	92.9	-162.00	-4,834.9	317.7	1,828.5	1,726.9	101.55	18.006	
16,000.0	10,895.0	17,741.8	12,634.0	91.4	94.4	-162.00	-4,934.9	318.5	1,828.5	1,725.3	103.19	17.720	
16,100.0	10,895.0	17,841.8	12,634.0	92.8	95.8	-162.00	-5,034.9	319.2	1,828.5	1,723.6	104.83	17.442	
16,200.0	10,895.0	17,941.8	12,634.0	94.3	97.3	-162.00	-5,134.8	320.0	1,828.5	1,722.0	106.48	17.172	
16,300.0	10,895.0	18,041.8	12,634.0	95.9	98.8	-162.00	-5,234.8	320.8	1,828.5	1,720.3	108.13	16.909	
16,400.0	10,895.0	18,141.8	12,634.0	97.4	100.2	-162.00	-5,334.8	321.6	1,828.5	1,718.7	109.79	16.654	
16,500.0	10,895.0	18,241.8	12,634.0	98.9	101.7	-162.00	-5,434.8	322.3	1,828.5	1,717.0	111.46	16.405	
16,600.0	10,895.0	18,341.8	12,634.0	100.4	103.2	-162.00	-5,534.8	323.1	1,828.5	1,715.4	113.12	16.164	
16,700.0	10,895.0	18,441.8	12,634.0	101.9	104.7	-162.00	-5,634.8	323.9	1,828.5	1,713.7	114.80	15.928	
16,800.0	10,895.0	18,541.8	12,634.0	103.4	106.2	-162.00	-5,734.8	324.7	1,828.5	1,712.0	116.47	15.699	
16,900.0	10,895.0	18,641.8	12,634.0	105.0	107.7	-162.00	-5,834.8	325.5	1,828.5	1,710.3	118.15	15.476	
17,000.0	10,895.0	18,741.8	12,634.0	106.5	109.2	-162.00	-5,934.8	326.2	1,828.5	1,708.7	119.83	15.258	
17,100.0	10,895.0	18,841.8	12,634.0	108.1	110.7	-162.00	-6,034.8	327.0	1,828.5	1,707.0	121.52	15.047	
17,200.0	10,895.0	18,941.8	12,634.0	109.6	112.2	-162.00	-6,134.8	327.8	1,828.5	1,705.3	123.21	14.840	
17,300.0	10,895.0	19,041.8	12,634.0	111.1	113.7	-162.00	-6,234.8	328.6	1,828.5	1,703.6	124.91	14.639	
17,400.0	10,895.0	19,141.8	12,634.0	112.7	115.2	-162.00	-6,334.8	329.3	1,828.5	1,701.9	126.60	14.443	
17,500.0	10,895.0	19,241.8	12,634.0	114.2	116.8	-162.00	-6,434.8	330.1	1,828.5	1,700.2	128.30	14.251	
17,600.0	10,895.0	19,341.8	12,634.0	115.8	118.3	-162.00	-6,534.8	330.9	1,828.5	1,698.5	130.01	14.065	
17,700.0	10,895.0	19,441.8	12,634.0	117.3	119.8	-162.00	-6,634.8	331.7	1,828.5	1,696.8	131.71	13.883	
17,800.0	10,895.0	19,541.8	12,634.0	118.9	121.3	-162.00	-6,734.8	332.5	1,828.5	1,695.1	133.42	13.705	
17,900.0	10,895.0	19,641.8	12,634.0	120.5	122.9	-162.00	-6,834.8	333.2	1,828.5	1,693.4	135.13	13.531	
18,000.0	10,895.0	19,741.8	12,634.0	122.0	124.4	-162.00	-6,934.8	334.0	1,828.5	1,691.7	136.84	13.362	
18,100.0	10,895.0	19,841.8	12,634.0	123.6	126.0	-162.00	-7,034.8	334.8	1,828.5	1,689.9	138.56	13.197	
18,200.0	10,895.0	19,941.8	12,634.0	125.1	127.5	-162.00	-7,134.8	335.6	1,828.5	1,688.2	140.28	13.035	
18,300.0	10,895.0	20,041.8	12,634.0	126.7	129.1	-162.00	-7,234.8	336.3	1,828.5	1,686.5	142.00	12.877	
18,400.0	10,895.0	20,141.8	12,634.0	128.3	130.6	-162.00	-7,334.8	337.1	1,828.5	1,684.8	143.72	12.723	
18,500.0	10,895.0	20,241.8	12,634.0	129.9	132.2	-162.00	-7,434.8	337.9	1,828.5	1,683.1	145.45	12.572	
18,600.0	10,895.0	20,341.8	12,634.0	131.4	133.7	-162.00	-7,534.8	338.7	1,828.5	1,681.3	147.17	12.424	
18,700.0	10,895.0	20,441.8	12,634.0	133.0	135.3	-162.00	-7,634.8	339.5	1,828.5	1,679.6	148.90	12.280	
18,800.0	10,895.0	20,541.8	12,634.0	134.6	136.8	-162.00	-7,734.8	340.2	1,828.5	1,677.9	150.63	12.139	
18,900.0	10,895.0	20,641.8	12,634.0	136.2	138.4	-162.00	-7,834.8	341.0	1,828.5	1,676.2	152.36	12.001	
19,000.0	10,895.0	20,741.8	12,634.0	137.7	140.0	-162.00	-7,934.8	341.8	1,828.5	1,674.4	154.10	11.866	
19,100.0	10,895.0	20,841.8	12,634.0	139.3	141.5	-162.00	-8,034.8	342.6	1,828.5	1,672.7	155.83	11.734	
19,200.0	10,895.0	20,941.8	12,634.0	140.9	143.1	-162.00	-8,134.8	343.3	1,828.5	1,671.0	157.57	11.605	
19,300.0	10,895.0	21,041.8	12,634.0	142.5	144.7	-162.00	-8,234.8	344.1	1,828.5	1,669.2	159.31	11.478	
19,400.0	10,895.0	21,141.8	12,634.0	144.1	146.2	-162.00	-8,334.8	344.9	1,828.5	1,667.5	161.05	11.354	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Fed Com #226H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	21,241.8	12,634.0	145.7	147.8	-162.00	-8,434.7	345.7	1,828.5	1,665.7	162.79	11.232	
19,600.0	10,895.0	21,341.8	12,634.0	147.3	149.4	-162.00	-8,534.7	346.5	1,828.5	1,664.0	164.53	11.113	
19,700.0	10,895.0	21,441.8	12,634.0	148.9	150.9	-162.00	-8,634.7	347.2	1,828.5	1,662.3	166.28	10.997	
19,800.0	10,895.0	21,541.8	12,634.0	150.5	152.5	-162.00	-8,734.7	348.0	1,828.5	1,660.5	168.02	10.883	
19,900.0	10,895.0	21,641.8	12,634.0	152.0	154.1	-161.99	-8,834.7	348.8	1,828.5	1,658.8	169.77	10.771	
20,000.0	10,895.0	21,741.8	12,634.0	153.6	155.7	-161.99	-8,934.7	349.6	1,828.5	1,657.0	171.52	10.661	
20,100.0	10,895.0	21,841.8	12,634.0	155.2	157.3	-161.99	-9,034.7	350.3	1,828.6	1,655.3	173.27	10.553	
20,200.0	10,895.0	21,941.8	12,634.0	156.8	158.9	-161.99	-9,134.7	351.1	1,828.6	1,653.5	175.02	10.448	
20,300.0	10,895.0	22,041.8	12,634.0	158.4	160.4	-161.99	-9,234.7	351.9	1,828.6	1,651.8	176.77	10.344	
20,400.0	10,895.0	22,141.8	12,634.0	160.0	162.0	-161.99	-9,334.7	352.7	1,828.6	1,650.0	178.53	10.242	
20,500.0	10,895.0	22,241.8	12,634.0	161.6	163.6	-161.99	-9,434.7	353.5	1,828.6	1,648.3	180.28	10.143	
20,600.0	10,895.0	22,341.8	12,634.0	163.2	165.2	-161.99	-9,534.7	354.2	1,828.6	1,646.5	182.04	10.045	
20,700.0	10,895.0	22,441.8	12,634.0	164.8	166.8	-161.99	-9,634.7	355.0	1,828.6	1,644.8	183.79	9.949	
20,800.0	10,895.0	22,541.8	12,634.0	166.4	168.4	-161.99	-9,734.7	355.8	1,828.6	1,643.0	185.55	9.855	
20,900.0	10,895.0	22,641.8	12,634.0	168.0	170.0	-161.99	-9,834.7	356.6	1,828.6	1,641.3	187.31	9.762	
21,000.0	10,895.0	22,741.8	12,634.0	169.6	171.6	-161.99	-9,934.7	357.3	1,828.6	1,639.5	189.07	9.672	
21,003.6	10,895.0	22,745.4	12,634.0	169.7	171.6	-161.99	-9,938.3	357.4	1,828.6	1,639.4	189.13	9.668	
21,100.0	10,895.0	22,796.7	12,634.0	171.2	172.5	-161.99	-9,989.6	357.8	1,829.1	1,638.9	190.24	9.615	
21,194.3	10,895.0	22,796.7	12,634.0	172.8	172.5	-161.99	-9,989.6	357.8	1,833.9	1,643.5	190.39	9.632	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.58	1.3	170.0	170.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.58	1.3	170.0	170.0	169.7	0.26	663.222	
200.0	200.0	200.0	200.0	0.5	0.5	89.58	1.3	170.0	170.0	169.0	0.97	174.661	
300.0	300.0	300.0	300.0	0.8	0.8	89.58	1.3	170.0	170.0	168.3	1.69	100.574	
400.0	400.0	400.0	400.0	1.2	1.2	89.58	1.3	170.0	170.0	167.6	2.41	70.619	
500.0	500.0	500.0	500.0	1.6	1.6	89.58	1.3	170.0	170.0	166.9	3.12	54.412	
600.0	600.0	600.0	600.0	1.9	1.9	89.58	1.3	170.0	170.0	166.1	3.84	44.256	
700.0	700.0	700.0	700.0	2.3	2.3	89.58	1.3	170.0	170.0	165.4	4.56	37.295	
800.0	800.0	800.0	800.0	2.6	2.6	89.58	1.3	170.0	170.0	164.7	5.27	32.226	
900.0	900.0	900.0	900.0	3.0	3.0	89.58	1.3	170.0	170.0	164.0	5.99	28.370	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.58	1.3	170.0	170.0	163.3	6.71	25.338	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.58	1.3	170.0	170.0	162.6	7.43	22.892	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.58	1.3	170.0	170.0	161.8	8.14	20.876	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.58	1.3	170.0	170.0	161.1	8.86	19.187	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.58	1.3	170.0	170.0	160.4	9.58	17.750	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.58	1.3	170.0	170.0	159.7	10.29	16.514	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	89.58	1.3	170.0	170.0	159.0	11.01	15.439	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	89.58	1.3	170.0	170.0	158.3	11.73	14.495	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	89.58	1.3	170.0	170.0	157.5	12.44	13.660	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	89.58	1.3	170.0	170.0	156.8	13.16	12.916	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	89.58	1.3	170.0	170.0	156.1	13.88	12.249	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	89.58	1.3	170.0	170.0	155.4	14.60	11.647	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	89.58	1.3	170.0	170.0	154.7	15.31	11.102	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	89.58	1.3	170.0	170.0	154.0	16.03	10.605	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	89.58	1.3	170.0	170.0	153.2	16.75	10.151	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	89.58	1.3	170.0	170.0	152.5	17.46	9.734	CC
2,600.0	2,600.0	2,600.0	2,600.0	9.1	9.1	130.24	1.3	170.0	170.6	152.4	18.18	9.383	ES
2,700.0	2,700.0	2,700.0	2,700.0	9.4	9.4	130.90	1.3	170.0	172.3	153.4	18.89	9.119	
2,800.0	2,799.9	2,800.1	2,799.9	9.8	9.8	131.95	1.3	170.0	175.1	155.5	19.60	8.934	
2,900.0	2,899.7	2,900.3	2,899.7	10.2	10.2	133.37	1.3	170.0	179.3	159.0	20.32	8.825	
3,000.0	2,999.4	2,999.4	2,999.4	10.5	10.5	135.10	1.3	170.0	184.8	163.7	21.03	8.788	
3,100.0	3,098.9	3,100.8	3,100.8	10.9	10.9	136.89	2.0	169.6	191.2	169.5	21.74	8.794	
3,200.0	3,198.3	3,202.4	3,202.3	11.2	11.2	138.48	4.4	168.3	198.1	175.6	22.46	8.821	
3,300.0	3,297.4	3,304.1	3,303.9	11.6	11.6	139.87	8.4	166.3	205.4	182.2	23.17	8.864	
3,400.0	3,396.4	3,406.0	3,405.7	12.0	12.0	140.98	14.0	163.4	212.4	188.5	23.88	8.893	
3,500.0	3,495.5	3,508.2	3,507.5	12.3	12.3	141.65	21.3	159.6	218.4	193.8	24.60	8.878	
3,600.0	3,594.5	3,610.5	3,609.4	12.7	12.7	141.92	30.1	155.1	223.2	197.9	25.31	8.820	
3,700.0	3,693.5	3,713.0	3,711.2	13.1	13.1	141.82	40.6	149.7	227.0	201.0	26.03	8.722	
3,800.0	3,792.5	3,815.1	3,812.4	13.5	13.4	141.37	52.7	143.4	229.6	202.9	26.74	8.586	
3,900.0	3,891.6	3,915.1	3,911.3	13.9	13.8	140.82	65.0	137.0	231.9	204.4	27.48	8.440	
4,000.0	3,990.6	4,015.0	4,010.3	14.2	14.2	140.27	77.4	130.7	234.2	206.0	28.21	8.301	
4,100.0	4,089.6	4,115.0	4,109.3	14.6	14.6	139.74	89.7	124.3	236.5	207.5	28.95	8.168	
4,200.0	4,188.6	4,214.9	4,208.3	15.0	14.9	139.22	102.1	117.9	238.8	209.1	29.70	8.042	
4,300.0	4,287.7	4,314.9	4,307.3	15.4	15.3	138.70	114.5	111.5	241.2	210.7	30.44	7.922	
4,400.0	4,386.7	4,414.8	4,406.2	15.8	15.7	138.20	126.8	105.1	243.5	212.3	31.19	7.808	
4,500.0	4,485.7	4,514.8	4,505.2	16.2	16.1	137.71	139.2	98.7	245.9	214.0	31.94	7.698	
4,600.0	4,584.8	4,614.7	4,604.2	16.6	16.5	137.23	151.5	92.4	248.3	215.6	32.70	7.594	
4,700.0	4,683.8	4,714.7	4,703.2	17.0	16.8	136.75	163.9	86.0	250.7	217.3	33.46	7.494	
4,800.0	4,782.8	4,814.6	4,802.1	17.4	17.2	136.29	176.3	79.6	253.2	219.0	34.22	7.399	
4,900.0	4,881.8	4,914.6	4,901.1	17.8	17.6	135.83	188.6	73.2	255.6	220.7	34.98	7.307	
5,000.0	4,980.9	5,014.5	5,000.1	18.2	18.0	135.38	201.0	66.8	258.1	222.4	35.75	7.220	
5,100.0	5,079.9	5,114.5	5,099.1	18.6	18.4	134.94	213.3	60.4	260.6	224.1	36.52	7.136	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,214.4	5,198.0	19.0	18.8	134.51	225.7	54.1	263.1	225.8	37.29	7.056	
5,300.0	5,277.9	5,314.4	5,297.0	19.4	19.2	134.09	238.0	47.7	265.6	227.5	38.06	6.978	
5,400.0	5,377.0	5,414.3	5,396.0	19.8	19.6	133.68	250.4	41.3	268.1	229.3	38.84	6.904	
5,500.0	5,476.0	5,514.3	5,495.0	20.2	20.0	133.27	262.8	34.9	270.7	231.1	39.61	6.833	
5,600.0	5,575.0	5,614.2	5,593.9	20.6	20.4	132.87	275.1	28.5	273.2	232.8	40.39	6.765	
5,700.0	5,674.0	5,714.2	5,692.9	21.0	20.8	132.48	287.5	22.1	275.8	234.6	41.17	6.699	
5,800.0	5,773.1	5,814.1	5,791.9	21.4	21.1	132.09	299.8	15.7	278.4	236.4	41.95	6.635	
5,900.0	5,872.1	5,914.0	5,890.9	21.8	21.5	131.71	312.2	9.4	281.0	238.2	42.74	6.574	
6,000.0	5,971.1	6,014.0	5,989.9	22.2	21.9	131.34	324.6	3.0	283.6	240.1	43.52	6.516	
6,100.0	6,070.2	6,113.9	6,088.8	22.6	22.3	130.98	336.9	-3.4	286.2	241.9	44.31	6.459	
6,199.8	6,169.0	6,213.3	6,187.2	23.0	22.7	130.63	349.2	-9.7	288.8	243.7	45.10	6.404	
6,300.0	6,268.4	6,310.1	6,283.3	23.4	23.1	130.39	359.8	-15.2	291.3	245.5	45.87	6.351	
6,400.0	6,367.9	6,406.7	6,379.4	23.8	23.5	130.20	368.3	-19.6	293.3	246.7	46.63	6.291	
6,500.0	6,467.6	6,503.3	6,475.7	24.2	23.9	130.05	374.6	-22.9	294.8	247.4	47.36	6.224	
6,600.0	6,567.5	6,599.9	6,572.2	24.5	24.2	129.94	378.7	-25.0	295.7	247.6	48.06	6.152	
6,700.0	6,667.5	6,696.5	6,668.8	24.9	24.5	129.88	380.7	-26.0	296.0	247.3	48.74	6.073	
6,733.1	6,700.6	6,728.5	6,700.8	25.0	24.7	89.41	380.9	-26.1	296.0	247.1	48.96	6.046	
6,758.2	6,725.6	6,753.3	6,725.6	25.1	24.7	89.41	380.9	-26.1	296.0	246.9	49.13	6.025	
6,800.0	6,767.5	6,804.8	6,767.5	25.2	24.9	89.41	380.9	-26.1	296.0	246.6	49.46	5.985	
6,900.0	6,867.5	6,904.8	6,867.5	25.6	25.3	89.41	380.9	-26.1	296.0	245.9	50.15	5.903	
7,000.0	6,967.5	7,004.8	6,967.5	25.9	25.6	89.41	380.9	-26.1	296.0	245.2	50.84	5.823	
7,100.0	7,067.5	7,104.8	7,067.5	26.2	26.0	89.41	380.9	-26.1	296.0	244.5	51.53	5.745	
7,200.0	7,167.5	7,195.2	7,167.5	26.6	26.3	89.41	380.9	-26.1	296.0	243.8	52.19	5.672	
7,300.0	7,267.5	7,290.1	7,262.1	26.9	26.6	90.61	374.7	-25.4	296.8	244.0	52.75	5.626	SF
7,400.0	7,367.5	7,380.1	7,349.8	27.3	26.8	94.43	354.7	-23.2	300.4	247.3	53.06	5.661	
7,500.0	7,467.5	7,462.1	7,426.0	27.6	26.9	99.95	324.8	-19.8	309.7	256.8	52.90	5.855	
7,600.0	7,567.5	7,534.3	7,488.9	27.9	27.1	106.05	289.8	-15.9	328.2	276.2	51.96	6.316	
7,700.0	7,667.5	7,596.4	7,539.1	28.3	27.1	111.83	253.5	-11.8	358.0	308.0	50.09	7.148	
7,800.0	7,767.5	7,650.0	7,579.1	28.6	27.2	116.95	218.1	-7.8	399.7	352.2	47.53	8.409	
7,900.0	7,867.5	7,700.0	7,613.2	29.0	27.3	121.63	181.8	-3.8	452.1	407.2	44.86	10.079	
8,000.0	7,967.5	7,732.0	7,633.3	29.3	27.3	124.51	157.1	-1.0	513.3	471.7	41.58	12.344	
8,100.0	8,067.5	7,764.4	7,652.3	29.7	27.3	127.30	131.0	1.9	581.7	542.8	38.84	14.977	
8,200.0	8,167.5	7,800.0	7,671.3	30.0	27.4	130.21	101.1	5.3	655.7	618.9	36.77	17.831	
8,300.0	8,267.5	7,816.1	7,679.3	30.4	27.4	131.46	87.2	6.8	733.9	699.6	34.28	21.412	
8,400.0	8,367.5	7,836.9	7,689.0	30.7	27.4	133.02	68.9	8.9	815.6	783.1	32.46	25.128	
8,500.0	8,467.5	7,850.0	7,694.8	31.0	27.4	133.97	57.2	10.2	900.1	869.4	30.72	29.300	
8,600.0	8,567.5	7,871.1	7,703.6	31.4	27.5	135.45	38.1	12.3	986.7	957.0	29.61	33.321	
8,700.0	8,667.5	7,885.3	7,709.1	31.7	27.5	136.40	25.1	13.8	1,075.0	1,046.5	28.51	37.705	
8,800.0	8,767.5	7,900.0	7,714.4	32.1	27.5	137.35	11.5	15.3	1,164.9	1,137.2	27.65	42.128	
8,900.0	8,867.5	7,900.0	7,714.4	32.4	27.5	137.35	11.5	15.3	1,256.0	1,229.4	26.56	47.289	
9,000.0	8,967.5	7,919.5	7,721.0	32.8	27.5	138.56	-6.7	17.4	1,347.9	1,321.7	26.18	51.490	
9,100.0	9,067.5	7,928.7	7,723.8	33.1	27.6	139.12	-15.4	18.3	1,440.8	1,415.1	25.65	56.173	
9,200.0	9,167.5	7,950.0	7,729.9	33.5	27.6	140.35	-35.7	20.6	1,534.6	1,509.1	25.51	60.165	
9,300.0	9,267.5	7,950.0	7,729.9	33.8	27.6	140.35	-35.7	20.6	1,628.6	1,603.7	24.98	65.210	
9,400.0	9,367.5	7,950.0	7,729.9	34.2	27.6	140.35	-35.7	20.6	1,723.3	1,698.8	24.55	70.188	
9,500.0	9,467.5	7,950.0	7,729.9	34.5	27.6	140.35	-35.7	20.6	1,818.6	1,794.4	24.22	75.076	
9,600.0	9,567.5	7,950.0	7,729.9	34.9	27.6	140.35	-35.7	20.6	1,914.4	1,890.4	23.97	79.858	
9,700.0	9,667.5	7,969.6	7,734.9	35.2	27.6	141.42	-54.5	22.7	2,010.2	1,986.1	24.10	83.410	
9,800.0	9,767.5	7,974.6	7,736.0	35.6	27.6	141.69	-59.4	23.3	2,106.5	2,082.4	24.03	87.662	
9,900.0	9,867.5	7,979.3	7,737.1	35.9	27.6	141.94	-64.0	23.8	2,203.0	2,179.0	24.00	91.806	
10,000.0	9,967.5	8,000.0	7,741.2	36.3	27.7	142.99	-84.1	26.0	2,300.1	2,275.9	24.22	94.973	
10,100.0	10,067.5	8,000.0	7,741.2	36.6	27.7	142.99	-84.1	26.0	2,397.1	2,372.9	24.18	99.122	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,167.5	8,000.0	7,741.2	37.0	27.7	142.99	-84.1	26.0	2,494.2	2,470.0	24.18	103.138	
10,300.0	10,267.5	8,000.0	7,741.2	37.3	27.7	142.99	-84.1	26.0	2,591.6	2,567.4	24.22	107.021	
10,354.5	10,322.0	8,000.0	7,741.2	37.5	27.7	142.99	-84.1	26.0	2,644.8	2,620.5	24.25	109.085	
10,400.0	10,367.4	8,000.0	7,741.2	37.6	27.7	-24.93	-84.1	26.0	2,688.8	2,664.5	24.26	110.836	
10,450.0	10,417.0	8,000.0	7,741.2	37.8	27.7	-19.31	-84.1	26.0	2,736.2	2,711.9	24.25	112.844	
10,500.0	10,465.9	8,000.0	7,741.2	37.9	27.7	-15.73	-84.1	26.0	2,782.3	2,758.0	24.21	114.906	
10,550.0	10,513.7	8,000.0	7,741.2	38.0	27.7	-13.30	-84.1	26.0	2,826.7	2,802.5	24.16	116.996	
10,600.0	10,560.0	8,000.0	7,741.2	38.2	27.7	-11.55	-84.1	26.0	2,869.3	2,845.2	24.09	119.089	
10,650.0	10,604.5	8,000.0	7,741.2	38.3	27.7	-10.24	-84.1	26.0	2,909.8	2,885.7	24.02	121.155	
10,700.0	10,646.9	8,023.4	7,745.0	38.3	27.7	-9.20	-107.0	28.6	2,947.4	2,923.2	24.14	122.115	
10,750.0	10,686.8	8,029.1	7,745.8	38.4	27.8	-8.43	-112.6	29.2	2,982.7	2,958.6	24.09	123.822	
10,800.0	10,723.9	8,050.0	7,748.3	38.5	27.8	-7.80	-133.2	31.6	3,015.4	2,991.3	24.16	124.818	
10,850.0	10,758.0	8,050.0	7,748.3	38.5	27.8	-7.32	-133.2	31.6	3,044.9	3,020.8	24.06	126.533	
10,900.0	10,788.7	8,050.0	7,748.3	38.6	27.8	-6.94	-133.2	31.6	3,071.3	3,047.3	23.98	128.050	
10,950.0	10,815.9	8,050.0	7,748.3	38.6	27.8	-6.63	-133.2	31.6	3,094.5	3,070.6	23.93	129.326	
11,000.0	10,839.3	8,050.0	7,748.3	38.6	27.8	-6.38	-133.2	31.6	3,114.5	3,090.6	23.90	130.321	
11,050.0	10,858.8	8,050.0	7,748.3	38.7	27.8	-6.18	-133.2	31.6	3,131.2	3,107.3	23.90	130.998	
11,100.0	10,874.2	8,077.3	7,750.3	38.7	27.9	-6.05	-160.3	34.6	3,143.7	3,119.7	24.06	130.666	
11,150.0	10,885.4	8,100.0	7,750.9	38.7	27.9	-5.97	-182.8	37.1	3,153.3	3,129.1	24.21	130.263	
11,200.0	10,892.4	8,100.0	7,750.9	38.8	27.9	-5.91	-182.8	37.1	3,158.8	3,134.5	24.29	130.022	
11,254.5	10,895.0	8,100.0	7,750.9	38.9	27.9	-5.89	-182.8	37.1	3,160.7	3,136.3	24.44	129.323	
11,264.5	10,895.0	8,102.5	7,750.9	38.9	27.9	-5.89	-185.3	37.4	3,160.7	3,136.2	24.48	129.114	
11,300.0	10,895.0	8,122.2	7,751.0	39.0	28.0	-5.91	-205.0	39.6	3,160.9	3,136.2	24.65	128.207	
11,407.5	10,895.0	8,243.5	7,751.0	39.3	28.4	-6.03	-325.7	49.8	3,161.5	3,136.1	25.39	124.514	
11,500.0	10,895.0	8,348.2	7,751.0	39.6	28.9	-6.10	-430.3	54.6	3,161.9	3,135.8	26.11	121.111	
11,600.0	10,895.0	8,454.7	7,751.0	40.0	29.5	-6.11	-536.8	55.9	3,161.9	3,135.0	26.93	117.421	
11,700.0	10,895.0	8,554.7	7,751.0	40.5	30.1	-6.11	-636.8	56.7	3,161.9	3,134.1	27.80	113.757	
11,800.0	10,895.0	8,654.7	7,751.0	41.0	30.8	-6.11	-736.8	57.5	3,161.9	3,133.2	28.72	110.080	
11,900.0	10,895.0	8,754.7	7,751.0	41.6	31.6	-6.11	-836.8	58.2	3,161.9	3,132.2	29.71	106.434	
12,000.0	10,895.0	8,854.7	7,751.0	42.2	32.4	-6.11	-936.8	59.0	3,161.9	3,131.2	30.74	102.855	
12,100.0	10,895.0	8,954.7	7,751.0	42.9	33.3	-6.11	-1,036.8	59.8	3,161.9	3,130.1	31.82	99.370	
12,200.0	10,895.0	9,054.7	7,751.0	43.6	34.3	-6.11	-1,136.8	60.5	3,161.9	3,129.0	32.94	95.996	
12,300.0	10,895.0	9,154.7	7,751.0	44.4	35.3	-6.11	-1,236.8	61.3	3,161.9	3,127.8	34.09	92.745	
12,400.0	10,895.0	9,254.7	7,751.0	45.2	36.3	-6.11	-1,336.8	62.1	3,161.9	3,126.7	35.28	89.624	
12,500.0	10,895.0	9,354.7	7,751.0	46.1	37.4	-6.11	-1,436.8	62.8	3,161.9	3,125.4	36.50	86.635	
12,600.0	10,895.0	9,454.7	7,751.0	47.0	38.6	-6.11	-1,536.8	63.6	3,161.9	3,124.2	37.74	83.780	
12,700.0	10,895.0	9,554.7	7,751.0	48.0	39.8	-6.11	-1,636.8	64.4	3,161.9	3,122.9	39.01	81.056	
12,800.0	10,895.0	9,654.7	7,751.0	49.0	41.0	-6.10	-1,736.8	65.1	3,161.9	3,121.6	40.30	78.461	
12,900.0	10,895.0	9,754.7	7,751.0	50.0	42.2	-6.10	-1,836.8	65.9	3,161.9	3,120.3	41.61	75.990	
13,000.0	10,895.0	9,854.7	7,751.0	51.1	43.4	-6.10	-1,936.8	66.7	3,161.9	3,119.0	42.94	73.637	
13,100.0	10,895.0	9,954.7	7,751.0	52.2	44.7	-6.10	-2,036.8	67.4	3,161.9	3,117.6	44.29	71.399	
13,200.0	10,895.0	10,054.7	7,751.0	53.3	46.0	-6.10	-2,136.8	68.2	3,161.9	3,116.3	45.65	69.269	
13,300.0	10,895.0	10,154.7	7,751.0	54.4	47.4	-6.10	-2,236.8	69.0	3,161.9	3,114.9	47.02	67.243	
13,400.0	10,895.0	10,254.7	7,751.0	55.6	48.7	-6.10	-2,336.8	69.7	3,161.9	3,113.5	48.41	65.314	
13,500.0	10,895.0	10,354.7	7,751.0	56.8	50.1	-6.10	-2,436.8	70.5	3,161.9	3,112.1	49.81	63.477	
13,600.0	10,895.0	10,454.7	7,751.0	58.0	51.5	-6.10	-2,536.8	71.3	3,161.9	3,110.7	51.22	61.727	
13,700.0	10,895.0	10,554.7	7,751.0	59.2	52.9	-6.10	-2,636.8	72.0	3,161.9	3,109.3	52.65	60.059	
13,800.0	10,895.0	10,654.7	7,751.0	60.5	54.3	-6.10	-2,736.8	72.8	3,161.9	3,107.8	54.08	58.469	
13,900.0	10,895.0	10,754.7	7,751.0	61.8	55.7	-6.10	-2,836.8	73.6	3,161.9	3,106.4	55.52	56.952	
14,000.0	10,895.0	10,854.7	7,751.0	63.1	57.2	-6.10	-2,936.7	74.3	3,161.9	3,105.0	56.97	55.504	
14,100.0	10,895.0	10,954.7	7,751.0	64.4	58.6	-6.10	-3,036.7	75.1	3,161.9	3,103.5	58.42	54.120	
14,200.0	10,895.0	11,054.7	7,751.0	65.7	60.1	-6.10	-3,136.7	75.9	3,161.9	3,102.0	59.89	52.798	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	11,154.7	7,751.0	67.0	61.5	-6.10	-3,236.7	76.6	3,161.9	3,100.6	61.36	51.533	
14,400.0	10,895.0	11,254.7	7,751.0	68.4	63.0	-6.10	-3,336.7	77.4	3,161.9	3,099.1	62.83	50.322	
14,500.0	10,895.0	11,354.7	7,751.0	69.8	64.5	-6.10	-3,436.7	78.2	3,161.9	3,097.6	64.32	49.163	
14,600.0	10,895.0	11,454.7	7,751.0	71.1	66.0	-6.10	-3,536.7	78.9	3,161.9	3,096.1	65.80	48.052	
14,700.0	10,895.0	11,554.7	7,751.0	72.5	67.5	-6.10	-3,636.7	79.7	3,161.9	3,094.6	67.29	46.986	
14,800.0	10,895.0	11,654.7	7,751.0	73.9	69.0	-6.10	-3,736.7	80.5	3,161.9	3,093.1	68.79	45.964	
14,900.0	10,895.0	11,754.7	7,751.0	75.3	70.5	-6.10	-3,836.7	81.2	3,161.9	3,091.6	70.29	44.982	
15,000.0	10,895.0	11,854.7	7,751.0	76.7	72.0	-6.10	-3,936.7	82.0	3,161.9	3,090.1	71.80	44.039	
15,100.0	10,895.0	11,954.7	7,751.0	78.2	73.6	-6.10	-4,036.7	82.8	3,161.9	3,088.6	73.31	43.132	
15,200.0	10,895.0	12,054.7	7,751.0	79.6	75.1	-6.10	-4,136.7	83.5	3,161.9	3,087.1	74.82	42.260	
15,300.0	10,895.0	12,154.7	7,751.0	81.1	76.6	-6.10	-4,236.7	84.3	3,161.9	3,085.6	76.34	41.421	
15,400.0	10,895.0	12,254.7	7,751.0	82.5	78.2	-6.10	-4,336.7	85.1	3,161.9	3,084.1	77.86	40.612	
15,500.0	10,895.0	12,354.7	7,751.0	84.0	79.7	-6.10	-4,436.7	85.8	3,161.9	3,082.5	79.38	39.833	
15,600.0	10,895.0	12,454.7	7,751.0	85.4	81.3	-6.10	-4,536.7	86.6	3,161.9	3,081.0	80.91	39.082	
15,700.0	10,895.0	12,554.7	7,751.0	86.9	82.8	-6.10	-4,636.7	87.4	3,161.9	3,079.5	82.43	38.357	
15,800.0	10,895.0	12,654.7	7,751.0	88.4	84.4	-6.10	-4,736.7	88.1	3,161.9	3,078.0	83.96	37.658	
15,900.0	10,895.0	12,754.7	7,751.0	89.9	85.9	-6.10	-4,836.7	88.9	3,161.9	3,076.4	85.50	36.982	
16,000.0	10,895.0	12,854.7	7,751.0	91.4	87.5	-6.10	-4,936.7	89.7	3,161.9	3,074.9	87.03	36.330	
16,100.0	10,895.0	12,954.7	7,751.0	92.8	89.1	-6.10	-5,036.7	90.4	3,161.9	3,073.3	88.57	35.699	
16,200.0	10,895.0	13,054.7	7,751.0	94.3	90.6	-6.10	-5,136.7	91.2	3,161.9	3,071.8	90.11	35.089	
16,300.0	10,895.0	13,154.7	7,751.0	95.9	92.2	-6.10	-5,236.7	92.0	3,161.9	3,070.3	91.65	34.498	
16,400.0	10,895.0	13,254.7	7,751.0	97.4	93.8	-6.10	-5,336.7	92.7	3,161.9	3,068.7	93.20	33.927	
16,500.0	10,895.0	13,354.7	7,751.0	98.9	95.4	-6.10	-5,436.7	93.5	3,161.9	3,067.2	94.74	33.373	
16,600.0	10,895.0	13,454.7	7,751.0	100.4	96.9	-6.10	-5,536.7	94.3	3,161.9	3,065.6	96.29	32.837	
16,700.0	10,895.0	13,554.7	7,751.0	101.9	98.5	-6.10	-5,636.7	95.0	3,161.9	3,064.1	97.84	32.317	
16,800.0	10,895.0	13,654.7	7,751.0	103.4	100.1	-6.10	-5,736.7	95.8	3,161.9	3,062.5	99.39	31.812	
16,900.0	10,895.0	13,754.7	7,751.0	105.0	101.7	-6.10	-5,836.7	96.6	3,161.9	3,061.0	100.95	31.323	
17,000.0	10,895.0	13,854.7	7,751.0	106.5	103.3	-6.10	-5,936.7	97.3	3,161.9	3,059.4	102.50	30.848	
17,100.0	10,895.0	13,954.7	7,751.0	108.1	104.9	-6.10	-6,036.7	98.1	3,161.9	3,057.9	104.05	30.387	
17,200.0	10,895.0	14,054.7	7,751.0	109.6	106.5	-6.10	-6,136.7	98.9	3,161.9	3,056.3	105.61	29.939	
17,300.0	10,895.0	14,154.7	7,751.0	111.1	108.0	-6.10	-6,236.7	99.6	3,161.9	3,054.7	107.17	29.504	
17,400.0	10,895.0	14,254.7	7,751.0	112.7	109.6	-6.10	-6,336.6	100.4	3,161.9	3,053.2	108.73	29.081	
17,500.0	10,895.0	14,354.7	7,751.0	114.2	111.2	-6.10	-6,436.6	101.2	3,161.9	3,051.6	110.29	28.670	
17,600.0	10,895.0	14,454.7	7,751.0	115.8	112.8	-6.10	-6,536.6	102.0	3,161.9	3,050.1	111.85	28.269	
17,700.0	10,895.0	14,554.7	7,751.0	117.3	114.4	-6.10	-6,636.6	102.7	3,161.9	3,048.5	113.41	27.880	
17,800.0	10,895.0	14,654.7	7,751.0	118.9	116.0	-6.10	-6,736.6	103.5	3,161.9	3,046.9	114.97	27.501	
17,900.0	10,895.0	14,754.7	7,751.0	120.5	117.6	-6.10	-6,836.6	104.3	3,161.9	3,045.4	116.54	27.132	
18,000.0	10,895.0	14,854.7	7,751.0	122.0	119.2	-6.10	-6,936.6	105.0	3,161.9	3,043.8	118.10	26.772	
18,100.0	10,895.0	14,954.7	7,751.0	123.6	120.8	-6.10	-7,036.6	105.8	3,161.9	3,042.2	119.67	26.422	
18,200.0	10,895.0	15,054.7	7,751.0	125.1	122.5	-6.10	-7,136.6	106.6	3,161.9	3,040.7	121.24	26.080	
18,300.0	10,895.0	15,154.7	7,751.0	126.7	124.1	-6.10	-7,236.6	107.3	3,161.9	3,039.1	122.81	25.747	
18,400.0	10,895.0	15,254.7	7,751.0	128.3	125.7	-6.10	-7,336.6	108.1	3,161.9	3,037.5	124.37	25.423	
18,500.0	10,895.0	15,354.7	7,751.0	129.9	127.3	-6.10	-7,436.6	108.9	3,161.9	3,036.0	125.94	25.106	
18,600.0	10,895.0	15,454.7	7,751.0	131.4	128.9	-6.10	-7,536.6	109.6	3,161.9	3,034.4	127.51	24.797	
18,700.0	10,895.0	15,554.7	7,751.0	133.0	130.5	-6.10	-7,636.6	110.4	3,161.9	3,032.8	129.08	24.495	
18,800.0	10,895.0	15,654.7	7,751.0	134.6	132.1	-6.10	-7,736.6	111.2	3,161.9	3,031.3	130.66	24.200	
18,900.0	10,895.0	15,754.7	7,751.0	136.2	133.7	-6.10	-7,836.6	111.9	3,161.9	3,029.7	132.23	23.912	
19,000.0	10,895.0	15,854.7	7,751.0	137.7	135.3	-6.10	-7,936.6	112.7	3,161.9	3,028.1	133.80	23.631	
19,100.0	10,895.0	15,954.7	7,751.0	139.3	136.9	-6.10	-8,036.6	113.5	3,161.9	3,026.5	135.38	23.357	
19,200.0	10,895.0	16,054.7	7,751.0	140.9	138.6	-6.10	-8,136.6	114.2	3,161.9	3,025.0	136.95	23.088	
19,300.0	10,895.0	16,154.7	7,751.0	142.5	140.2	-6.10	-8,236.6	115.0	3,161.9	3,023.4	138.52	22.826	
19,400.0	10,895.0	16,254.7	7,751.0	144.1	141.8	-6.10	-8,336.6	115.8	3,161.9	3,021.8	140.10	22.569	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	16,354.7	7,751.0	145.7	143.4	-6.10	-8,436.6	116.5	3,161.9	3,020.2	141.68	22.318	
19,600.0	10,895.0	16,454.7	7,751.0	147.3	145.0	-6.10	-8,536.6	117.3	3,161.9	3,018.7	143.25	22.072	
19,700.0	10,895.0	16,554.7	7,751.0	148.9	146.7	-6.10	-8,636.6	118.1	3,161.9	3,017.1	144.83	21.832	
19,800.0	10,895.0	16,654.7	7,751.0	150.5	148.3	-6.10	-8,736.6	118.8	3,161.9	3,015.5	146.41	21.597	
19,900.0	10,895.0	16,754.7	7,751.0	152.0	149.9	-6.10	-8,836.6	119.6	3,161.9	3,013.9	147.98	21.366	
20,000.0	10,895.0	16,854.7	7,751.0	153.6	151.5	-6.10	-8,936.6	120.4	3,161.9	3,012.3	149.56	21.141	
20,100.0	10,895.0	16,954.7	7,751.0	155.2	153.1	-6.10	-9,036.6	121.1	3,161.9	3,010.8	151.14	20.920	
20,200.0	10,895.0	17,054.7	7,751.0	156.8	154.8	-6.10	-9,136.6	121.9	3,161.9	3,009.2	152.72	20.704	
20,300.0	10,895.0	17,154.7	7,751.0	158.4	156.4	-6.10	-9,236.6	122.7	3,161.9	3,007.6	154.30	20.492	
20,400.0	10,895.0	17,254.7	7,751.0	160.0	158.0	-6.10	-9,336.6	123.4	3,161.9	3,006.0	155.88	20.284	
20,500.0	10,895.0	17,354.7	7,751.0	161.6	159.6	-6.10	-9,436.6	124.2	3,161.9	3,004.4	157.46	20.081	
20,600.0	10,895.0	17,454.7	7,751.0	163.2	161.3	-6.10	-9,536.6	125.0	3,161.9	3,002.9	159.04	19.881	
20,700.0	10,895.0	17,554.7	7,751.0	164.8	162.9	-6.10	-9,636.6	125.7	3,161.9	3,001.3	160.62	19.685	
20,800.0	10,895.0	17,654.7	7,751.0	166.4	164.5	-6.10	-9,736.5	126.5	3,161.9	2,999.7	162.20	19.493	
20,900.0	10,895.0	17,754.7	7,751.0	168.0	166.1	-6.10	-9,836.5	127.3	3,161.9	2,998.1	163.79	19.305	
21,000.0	10,895.0	17,854.7	7,751.0	169.6	167.8	-6.10	-9,936.5	128.0	3,161.9	2,996.5	165.37	19.120	
21,100.0	10,895.0	17,954.7	7,751.0	171.2	169.4	-6.10	-10,036.5	128.8	3,161.9	2,994.9	166.95	18.939	
21,194.3	10,895.0	18,049.0	7,751.0	172.8	170.9	-6.10	-10,130.9	129.5	3,161.9	2,993.5	168.45	18.771	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.59	0.8	110.0	110.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.59	0.8	110.0	110.0	109.7	0.26	429.172	
200.0	200.0	200.0	200.0	0.5	0.5	89.59	0.8	110.0	110.0	109.0	0.97	113.023	
300.0	300.0	300.0	300.0	0.8	0.8	89.59	0.8	110.0	110.0	108.3	1.69	65.081	
400.0	400.0	400.0	400.0	1.2	1.2	89.59	0.8	110.0	110.0	107.6	2.41	45.697	
500.0	500.0	500.0	500.0	1.6	1.6	89.59	0.8	110.0	110.0	106.9	3.12	35.210	
600.0	600.0	600.0	600.0	1.9	1.9	89.59	0.8	110.0	110.0	106.2	3.84	28.638	
700.0	700.0	700.0	700.0	2.3	2.3	89.59	0.8	110.0	110.0	105.4	4.56	24.134	
800.0	800.0	800.0	800.0	2.6	2.6	89.59	0.8	110.0	110.0	104.7	5.27	20.853	
900.0	900.0	900.0	900.0	3.0	3.0	89.59	0.8	110.0	110.0	104.0	5.99	18.358	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.59	0.8	110.0	110.0	103.3	6.71	16.396	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.59	0.8	110.0	110.0	102.6	7.43	14.813	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.59	0.8	110.0	110.0	101.9	8.14	13.509	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.59	0.8	110.0	110.0	101.1	8.86	12.416	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.59	0.8	110.0	110.0	100.4	9.58	11.486	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.59	0.8	110.0	110.0	99.7	10.29	10.686	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	89.59	0.8	110.0	110.0	99.0	11.01	9.991	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	89.59	0.8	110.0	110.0	98.3	11.73	9.380	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	89.59	0.8	110.0	110.0	97.6	12.44	8.839	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	89.59	0.8	110.0	110.0	96.8	13.16	8.358	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	89.59	0.8	110.0	110.0	96.1	13.88	7.926	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	89.59	0.8	110.0	110.0	95.4	14.60	7.537	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	89.59	0.8	110.0	110.0	94.7	15.31	7.184	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	89.59	0.8	110.0	110.0	94.0	16.03	6.863	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	89.59	0.8	110.0	110.0	93.3	16.75	6.569	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	89.59	0.8	110.0	110.0	92.5	17.46	6.299	
2,600.0	2,600.0	2,600.0	2,600.0	9.1	9.1	130.38	0.8	110.0	110.6	92.4	18.18	6.082	
2,700.0	2,700.0	2,700.0	2,700.0	9.4	9.4	131.38	0.8	110.0	112.3	93.4	18.89	5.944	
2,800.0	2,799.9	2,800.1	2,799.9	9.8	9.8	132.99	0.8	110.0	115.2	95.6	19.60	5.877	
2,900.0	2,899.7	2,900.3	2,899.7	10.2	10.2	135.10	0.8	110.0	119.5	99.1	20.32	5.880	
3,000.0	2,999.4	2,999.4	2,999.4	10.5	10.5	137.59	0.8	110.0	125.1	104.1	21.03	5.952	
3,100.0	3,098.9	3,100.8	3,100.8	10.9	10.9	140.16	1.4	109.4	131.7	109.9	21.74	6.057	
3,200.0	3,198.3	3,202.3	3,202.3	11.2	11.2	142.52	3.4	107.5	138.4	115.9	22.45	6.165	
3,300.0	3,297.4	3,304.1	3,303.9	11.6	11.6	144.68	6.6	104.4	145.2	122.1	23.15	6.273	
3,400.0	3,396.4	3,406.0	3,405.7	12.0	12.0	146.52	11.2	100.1	151.5	127.6	23.85	6.349	
3,500.0	3,495.5	3,508.2	3,507.6	12.3	12.3	147.91	17.1	94.4	156.3	131.7	24.55	6.364	
3,600.0	3,594.5	3,610.6	3,609.5	12.7	12.7	148.90	24.3	87.5	159.6	134.3	25.24	6.320	
3,700.0	3,693.5	3,713.2	3,711.3	13.1	13.1	149.56	32.8	79.4	161.3	135.4	25.93	6.220	
3,800.0	3,792.5	3,815.3	3,812.6	13.5	13.4	149.92	42.7	70.0	161.5	134.9	26.62	6.066	
3,900.0	3,891.6	3,915.3	3,911.6	13.9	13.8	150.16	52.7	60.4	161.1	133.8	27.34	5.893	
4,000.0	3,990.6	4,015.3	4,010.6	14.2	14.2	150.41	62.8	50.8	160.8	132.7	28.07	5.728	
4,100.0	4,089.6	4,115.3	4,109.7	14.6	14.6	150.66	72.9	41.2	160.4	131.6	28.79	5.571	
4,200.0	4,188.6	4,215.3	4,208.7	15.0	14.9	150.91	82.9	31.6	160.0	130.5	29.51	5.422	
4,300.0	4,287.7	4,315.3	4,307.7	15.4	15.3	151.16	93.0	22.0	159.7	129.4	30.24	5.280	
4,400.0	4,386.7	4,415.3	4,406.7	15.8	15.7	151.41	103.0	12.3	159.3	128.3	30.97	5.144	
4,500.0	4,485.7	4,515.3	4,505.8	16.2	16.1	151.66	113.1	2.7	159.0	127.3	31.70	5.014	
4,600.0	4,584.8	4,615.3	4,604.8	16.6	16.5	151.91	123.2	-6.9	158.6	126.2	32.43	4.891	
4,700.0	4,683.8	4,715.3	4,703.8	17.0	16.8	152.17	133.2	-16.5	158.3	125.1	33.16	4.772	
4,800.0	4,782.8	4,815.3	4,802.8	17.4	17.2	152.42	143.3	-26.1	157.9	124.0	33.89	4.659	
4,900.0	4,881.8	4,915.3	4,901.8	17.8	17.6	152.68	153.4	-35.7	157.6	122.9	34.62	4.551	
5,000.0	4,980.9	5,015.3	5,000.9	18.2	18.0	152.94	163.4	-45.3	157.2	121.9	35.36	4.447	
5,100.0	5,079.9	5,115.3	5,099.9	18.6	18.4	153.20	173.5	-54.9	156.9	120.8	36.09	4.347	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,215.3	5,198.9	19.0	18.8	153.46	183.6	-64.6	156.6	119.7	36.83	4.251	
5,300.0	5,277.9	5,315.3	5,297.9	19.4	19.2	153.72	193.6	-74.2	156.2	118.7	37.56	4.159	
5,400.0	5,377.0	5,415.3	5,397.0	19.8	19.6	153.98	203.7	-83.8	155.9	117.6	38.30	4.071	
5,500.0	5,476.0	5,515.3	5,496.0	20.2	20.0	154.24	213.8	-93.4	155.6	116.5	39.03	3.986	
5,600.0	5,575.0	5,615.3	5,595.0	20.6	20.4	154.51	223.8	-103.0	155.3	115.5	39.77	3.904	
5,700.0	5,674.0	5,715.3	5,694.0	21.0	20.8	154.77	233.9	-112.6	154.9	114.4	40.50	3.825	
5,800.0	5,773.1	5,815.3	5,793.1	21.4	21.2	155.04	243.9	-122.2	154.6	113.4	41.24	3.749	
5,900.0	5,872.1	5,915.3	5,892.1	21.8	21.6	155.31	254.0	-131.8	154.3	112.3	41.98	3.676	
6,000.0	5,971.1	6,015.3	5,991.1	22.2	22.0	155.58	264.1	-141.5	154.0	111.3	42.71	3.606	
6,100.0	6,070.2	6,115.3	6,090.1	22.6	22.4	155.85	274.1	-151.1	153.7	110.3	43.45	3.537	
6,199.8	6,169.0	6,215.0	6,188.9	23.0	22.8	156.12	284.2	-160.7	153.4	109.2	44.19	3.472	
6,300.0	6,268.4	6,315.2	6,288.2	23.4	23.2	156.18	294.3	-170.3	151.9	107.0	44.93	3.381	
6,400.0	6,367.9	6,415.2	6,387.1	23.8	23.6	155.83	304.3	-179.9	148.0	102.3	45.67	3.241	
6,500.0	6,467.6	6,514.9	6,485.9	24.2	24.0	155.00	314.4	-189.5	141.8	95.3	46.42	3.054	
6,600.0	6,567.5	6,614.5	6,584.5	24.5	24.4	153.59	324.4	-199.1	133.2	86.0	47.18	2.823	
6,700.0	6,667.5	6,713.8	6,682.9	24.9	24.8	151.39	334.4	-208.6	122.4	74.4	47.95	2.553	
6,733.1	6,700.6	6,746.6	6,715.4	25.0	24.9	110.00	337.7	-211.8	118.4	70.2	48.21	2.455	
6,800.0	6,767.5	6,812.9	6,780.9	25.2	25.2	107.85	344.4	-218.1	110.1	61.3	48.75	2.258	
6,900.0	6,867.5	6,911.2	6,878.3	25.6	25.6	104.06	354.1	-227.5	98.2	48.6	49.59	1.979	
7,000.0	6,967.5	7,008.5	6,975.0	25.9	25.9	100.06	362.5	-235.4	88.4	37.9	50.47	1.751	
7,100.0	7,067.5	7,106.4	7,072.4	26.2	26.3	96.26	369.0	-241.7	81.1	29.7	51.32	1.579	
7,200.0	7,167.5	7,204.6	7,170.5	26.6	26.7	93.05	373.8	-246.2	76.0	23.9	52.14	1.458	Level 3
7,300.0	7,267.5	7,303.2	7,268.9	26.9	27.0	90.86	376.7	-249.1	73.1	20.2	52.90	1.382	Level 3
7,400.0	7,367.5	7,401.9	7,367.6	27.3	27.4	89.99	377.9	-250.1	72.0	18.4	53.59	1.343	Level 3
7,437.2	7,404.6	7,438.9	7,404.6	27.4	27.5	89.98	377.9	-250.1	72.0	18.1	53.84	1.337	Level 3
7,500.0	7,467.5	7,501.7	7,467.5	27.6	27.7	89.98	377.9	-250.1	72.0	17.7	54.28	1.326	Level 3
7,600.0	7,567.5	7,601.7	7,567.5	27.9	28.1	89.98	377.9	-250.1	72.0	17.0	54.97	1.309	Level 3
7,700.0	7,667.5	7,701.7	7,667.5	28.3	28.4	89.98	377.9	-250.1	72.0	16.3	55.66	1.293	Level 3
7,745.7	7,713.2	7,747.5	7,713.2	28.4	28.5	91.40	376.1	-250.2	72.0	16.0	55.92	1.287	Level 3, CC, ES, SF
7,800.0	7,767.5	7,801.1	7,766.3	28.6	28.7	96.73	369.4	-250.3	72.3	16.2	56.03	1.290	Level 3
7,900.0	7,867.5	7,894.8	7,856.9	29.0	28.9	114.20	345.8	-250.9	78.8	23.4	55.32	1.424	Level 3
8,000.0	7,967.5	7,979.0	7,934.0	29.3	29.1	132.93	312.4	-251.7	101.8	49.1	52.64	1.933	
8,100.0	8,067.5	8,052.0	7,996.4	29.7	29.2	146.10	274.5	-252.7	143.4	94.6	48.81	2.938	
8,200.0	8,167.5	8,114.0	8,045.2	30.0	29.3	154.17	236.3	-253.6	199.2	154.2	45.04	4.424	
8,300.0	8,267.5	8,166.1	8,082.8	30.4	29.3	159.15	200.2	-254.5	265.0	223.3	41.68	6.358	
8,400.0	8,367.5	8,209.9	8,111.8	30.7	29.3	162.38	167.4	-255.3	337.8	299.0	38.78	8.710	
8,500.0	8,467.5	8,250.0	8,136.0	31.0	29.4	164.75	135.5	-256.0	415.9	379.2	36.64	11.349	
8,600.0	8,567.5	8,278.1	8,151.7	31.4	29.4	166.15	112.1	-256.6	497.8	463.5	34.26	14.530	
8,700.0	8,667.5	8,300.0	8,163.0	31.7	29.4	167.12	93.5	-257.1	582.7	550.5	32.17	18.113	
8,800.0	8,767.5	8,327.8	8,176.4	32.1	29.4	168.21	69.1	-257.7	669.9	638.8	31.08	21.552	
8,900.0	8,867.5	8,350.0	8,186.3	32.4	29.4	168.99	49.2	-258.2	759.0	729.0	30.01	25.287	
9,000.0	8,967.5	8,365.0	8,192.5	32.8	29.4	169.47	35.6	-258.5	849.5	820.6	28.89	29.407	
9,100.0	9,067.5	8,380.3	8,198.5	33.1	29.4	169.93	21.5	-258.8	941.3	913.3	28.07	33.534	
9,200.0	9,167.5	8,400.0	8,205.6	33.5	29.4	170.48	3.1	-259.3	1,034.2	1,006.5	27.65	37.400	
9,300.0	9,267.5	8,400.0	8,205.6	33.8	29.4	170.48	3.1	-259.3	1,127.8	1,101.1	26.65	42.321	
9,400.0	9,367.5	8,416.5	8,211.1	34.2	29.4	170.91	-12.4	-259.7	1,222.0	1,195.6	26.42	46.259	
9,500.0	9,467.5	8,426.2	8,214.1	34.5	29.4	171.15	-21.6	-259.9	1,316.9	1,290.9	26.07	50.516	
9,600.0	9,567.5	8,450.0	8,220.8	34.9	29.4	171.69	-44.5	-260.4	1,412.6	1,386.4	26.21	53.892	
9,700.0	9,667.5	8,450.0	8,220.8	35.2	29.4	171.69	-44.5	-260.4	1,508.3	1,482.5	25.78	58.515	
9,800.0	9,767.5	8,450.0	8,220.8	35.6	29.4	171.69	-44.5	-260.4	1,604.4	1,579.0	25.45	63.041	
9,900.0	9,867.5	8,450.0	8,220.8	35.9	29.4	171.69	-44.5	-260.4	1,701.0	1,675.8	25.22	67.455	
10,000.0	9,967.5	8,450.0	8,220.8	36.3	29.4	171.69	-44.5	-260.4	1,798.0	1,772.9	25.06	71.750	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.0	10,067.5	8,468.4	8,225.4	36.6	29.4	172.08	-62.3	-260.9	1,894.9	1,869.6	25.30	74.911	
10,200.0	10,167.5	8,473.6	8,226.6	37.0	29.4	172.18	-67.3	-261.0	1,992.2	1,966.9	25.32	78.694	
10,300.0	10,267.5	8,478.4	8,227.6	37.3	29.4	172.28	-72.0	-261.1	2,089.7	2,064.4	25.37	82.382	
10,354.5	10,322.0	8,480.8	8,228.1	37.5	29.4	172.33	-74.4	-261.2	2,143.0	2,117.6	25.41	84.353	
10,400.0	10,367.4	8,500.0	8,231.9	37.6	29.4	-2.83	-93.2	-261.6	2,187.3	2,161.7	25.68	85.187	
10,450.0	10,417.0	8,500.0	8,231.9	37.8	29.4	-2.20	-93.2	-261.6	2,234.5	2,208.9	25.61	87.256	
10,500.0	10,465.9	8,500.0	8,231.9	37.9	29.4	-1.81	-93.2	-261.6	2,280.2	2,254.7	25.51	89.392	
10,550.0	10,513.7	8,500.0	8,231.9	38.0	29.4	-1.54	-93.2	-261.6	2,324.2	2,298.9	25.38	91.571	
10,600.0	10,560.0	8,500.0	8,231.9	38.2	29.4	-1.34	-93.2	-261.6	2,366.3	2,341.1	25.24	93.764	
10,650.0	10,604.5	8,500.0	8,231.9	38.3	29.4	-1.19	-93.2	-261.6	2,406.3	2,381.2	25.08	95.942	
10,700.0	10,646.9	8,500.0	8,231.9	38.3	29.4	-1.08	-93.2	-261.6	2,443.9	2,418.9	24.92	98.070	
10,750.0	10,686.8	8,500.0	8,231.9	38.4	29.4	-0.99	-93.2	-261.6	2,479.0	2,454.2	24.76	100.110	
10,800.0	10,723.9	8,526.4	8,235.9	38.5	29.5	-0.85	-119.3	-262.3	2,510.6	2,485.8	24.86	100.973	
10,850.0	10,758.0	8,550.0	8,238.6	38.5	29.5	-0.74	-142.7	-262.8	2,540.0	2,515.1	24.92	101.908	
10,900.0	10,788.7	8,550.0	8,238.6	38.6	29.5	-0.70	-142.7	-262.8	2,565.9	2,541.1	24.78	103.564	
10,950.0	10,815.9	8,550.0	8,238.6	38.6	29.5	-0.67	-142.7	-262.8	2,588.7	2,564.0	24.66	104.974	
11,000.0	10,839.3	8,550.0	8,238.6	38.6	29.5	-0.64	-142.7	-262.8	2,608.3	2,583.7	24.58	106.094	
11,050.0	10,858.8	8,550.0	8,238.6	38.7	29.5	-0.63	-142.7	-262.8	2,624.7	2,600.2	24.56	106.883	
11,100.0	10,874.2	8,575.1	8,240.3	38.7	29.6	-0.56	-167.7	-263.5	2,637.2	2,612.5	24.69	106.796	
11,150.0	10,885.4	8,602.3	8,241.0	38.7	29.7	-0.50	-194.9	-264.1	2,646.7	2,621.9	24.85	106.492	
11,200.0	10,892.4	8,602.3	8,241.0	38.8	29.7	-0.50	-194.9	-264.1	2,652.1	2,627.2	24.94	106.348	
11,254.5	10,895.0	8,602.3	8,241.0	38.9	29.7	-0.49	-194.9	-264.1	2,654.1	2,629.0	25.10	105.737	
11,300.0	10,895.0	8,647.0	8,241.0	39.0	29.8	-0.43	-239.6	-264.9	2,654.1	2,628.7	25.37	104.629	
11,407.5	10,895.0	8,754.1	8,241.0	39.3	30.2	-0.38	-346.7	-264.4	2,654.1	2,628.0	26.04	101.909	
11,500.0	10,895.0	8,846.6	8,241.0	39.6	30.7	-0.38	-439.3	-263.7	2,654.1	2,627.4	26.69	99.424	
11,600.0	10,895.0	8,946.6	8,241.0	40.0	31.2	-0.38	-539.3	-263.0	2,654.1	2,626.6	27.47	96.625	
11,700.0	10,895.0	9,046.6	8,241.0	40.5	31.8	-0.38	-639.3	-262.2	2,654.1	2,625.8	28.31	93.761	
11,800.0	10,895.0	9,146.6	8,241.0	41.0	32.5	-0.38	-739.3	-261.4	2,654.1	2,624.9	29.21	90.877	
11,900.0	10,895.0	9,246.6	8,241.0	41.6	33.2	-0.38	-839.3	-260.7	2,654.1	2,623.9	30.16	88.007	
12,000.0	10,895.0	9,346.6	8,241.0	42.2	34.0	-0.38	-939.3	-259.9	2,654.1	2,622.9	31.16	85.180	
12,100.0	10,895.0	9,446.6	8,241.0	42.9	34.8	-0.38	-1,039.3	-259.1	2,654.1	2,621.9	32.20	82.416	
12,200.0	10,895.0	9,546.6	8,241.0	43.6	35.8	-0.38	-1,139.2	-258.4	2,654.1	2,620.8	33.29	79.730	
12,300.0	10,895.0	9,646.6	8,241.0	44.4	36.7	-0.38	-1,239.2	-257.6	2,654.1	2,619.6	34.41	77.134	
12,400.0	10,895.0	9,746.6	8,241.0	45.2	37.7	-0.38	-1,339.2	-256.8	2,654.1	2,618.5	35.56	74.632	
12,500.0	10,895.0	9,846.6	8,241.0	46.1	38.8	-0.38	-1,439.2	-256.1	2,654.1	2,617.3	36.74	72.230	
12,600.0	10,895.0	9,946.6	8,241.0	47.0	39.9	-0.38	-1,539.2	-255.3	2,654.1	2,616.1	37.95	69.928	
12,700.0	10,895.0	10,046.6	8,241.0	48.0	41.0	-0.38	-1,639.2	-254.5	2,654.1	2,614.9	39.19	67.726	
12,800.0	10,895.0	10,146.6	8,241.0	49.0	42.1	-0.38	-1,739.2	-253.8	2,654.1	2,613.6	40.44	65.622	
12,900.0	10,895.0	10,246.6	8,241.0	50.0	43.3	-0.37	-1,839.2	-253.0	2,654.1	2,612.3	41.72	63.614	
13,000.0	10,895.0	10,346.6	8,241.0	51.1	44.6	-0.37	-1,939.2	-252.2	2,654.1	2,611.0	43.02	61.699	
13,100.0	10,895.0	10,446.6	8,241.0	52.2	45.8	-0.37	-2,039.2	-251.5	2,654.1	2,609.7	44.33	59.873	
13,200.0	10,895.0	10,546.6	8,241.0	53.3	47.1	-0.37	-2,139.2	-250.7	2,654.1	2,608.4	45.66	58.132	
13,300.0	10,895.0	10,646.6	8,241.0	54.4	48.4	-0.37	-2,239.2	-249.9	2,654.1	2,607.1	47.00	56.471	
13,400.0	10,895.0	10,746.6	8,241.0	55.6	49.7	-0.37	-2,339.2	-249.2	2,654.1	2,605.7	48.35	54.889	
13,500.0	10,895.0	10,846.6	8,241.0	56.8	51.0	-0.37	-2,439.2	-248.4	2,654.1	2,604.3	49.72	53.379	
13,600.0	10,895.0	10,946.6	8,241.0	58.0	52.4	-0.37	-2,539.2	-247.6	2,654.1	2,603.0	51.10	51.939	
13,700.0	10,895.0	11,046.6	8,241.0	59.2	53.7	-0.37	-2,639.2	-246.9	2,654.1	2,601.6	52.49	50.564	
13,800.0	10,895.0	11,146.6	8,241.0	60.5	55.1	-0.37	-2,739.2	-246.1	2,654.1	2,600.2	53.89	49.252	
13,900.0	10,895.0	11,246.6	8,241.0	61.8	56.5	-0.37	-2,839.2	-245.3	2,654.1	2,598.8	55.29	47.998	
14,000.0	10,895.0	11,346.6	8,241.0	63.1	57.9	-0.37	-2,939.2	-244.6	2,654.1	2,597.3	56.71	46.800	
14,100.0	10,895.0	11,446.6	8,241.0	64.4	59.4	-0.37	-3,039.2	-243.8	2,654.1	2,595.9	58.13	45.654	
14,200.0	10,895.0	11,546.6	8,241.0	65.7	60.8	-0.37	-3,139.2	-243.0	2,654.1	2,594.5	59.56	44.558	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	11,646.6	8,241.0	67.0	62.2	-0.37	-3,239.2	-242.3	2,654.1	2,593.1	61.00	43.508	
14,400.0	10,895.0	11,746.6	8,241.0	68.4	63.7	-0.37	-3,339.2	-241.5	2,654.1	2,591.6	62.44	42.502	
14,500.0	10,895.0	11,846.6	8,241.0	69.8	65.2	-0.37	-3,439.2	-240.7	2,654.1	2,590.2	63.89	41.538	
14,600.0	10,895.0	11,946.6	8,241.0	71.1	66.6	-0.37	-3,539.2	-240.0	2,654.1	2,588.7	65.35	40.614	
14,700.0	10,895.0	12,046.6	8,241.0	72.5	68.1	-0.37	-3,639.2	-239.2	2,654.1	2,587.2	66.81	39.726	
14,800.0	10,895.0	12,146.6	8,241.0	73.9	69.6	-0.37	-3,739.2	-238.4	2,654.1	2,585.8	68.27	38.874	
14,900.0	10,895.0	12,246.6	8,241.0	75.3	71.1	-0.37	-3,839.2	-237.7	2,654.1	2,584.3	69.74	38.055	
15,000.0	10,895.0	12,346.6	8,241.0	76.7	72.6	-0.37	-3,939.2	-236.9	2,654.1	2,582.8	71.21	37.268	
15,100.0	10,895.0	12,446.6	8,241.0	78.2	74.1	-0.37	-4,039.2	-236.1	2,654.1	2,581.4	72.69	36.511	
15,200.0	10,895.0	12,546.6	8,241.0	79.6	75.6	-0.37	-4,139.2	-235.4	2,654.1	2,579.9	74.17	35.782	
15,300.0	10,895.0	12,646.6	8,241.0	81.1	77.2	-0.37	-4,239.2	-234.6	2,654.1	2,578.4	75.66	35.080	
15,400.0	10,895.0	12,746.6	8,241.0	82.5	78.7	-0.37	-4,339.2	-233.8	2,654.1	2,576.9	77.14	34.404	
15,500.0	10,895.0	12,846.6	8,241.0	84.0	80.2	-0.37	-4,439.2	-233.1	2,654.1	2,575.4	78.64	33.751	
15,600.0	10,895.0	12,946.6	8,241.0	85.4	81.7	-0.37	-4,539.1	-232.3	2,654.1	2,573.9	80.13	33.122	
15,700.0	10,895.0	13,046.6	8,241.0	86.9	83.3	-0.37	-4,639.1	-231.5	2,654.1	2,572.4	81.63	32.515	
15,800.0	10,895.0	13,146.6	8,241.0	88.4	84.8	-0.37	-4,739.1	-230.8	2,654.1	2,570.9	83.13	31.928	
15,900.0	10,895.0	13,246.6	8,241.0	89.9	86.4	-0.37	-4,839.1	-230.0	2,654.1	2,569.4	84.63	31.362	
16,000.0	10,895.0	13,346.6	8,241.0	91.4	87.9	-0.37	-4,939.1	-229.2	2,654.1	2,567.9	86.13	30.814	
16,100.0	10,895.0	13,446.6	8,241.0	92.8	89.5	-0.37	-5,039.1	-228.5	2,654.1	2,566.4	87.64	30.284	
16,200.0	10,895.0	13,546.6	8,241.0	94.3	91.0	-0.37	-5,139.1	-227.7	2,654.1	2,564.9	89.15	29.772	
16,300.0	10,895.0	13,646.6	8,241.0	95.9	92.6	-0.37	-5,239.1	-226.9	2,654.1	2,563.4	90.66	29.276	
16,400.0	10,895.0	13,746.6	8,241.0	97.4	94.2	-0.37	-5,339.1	-226.2	2,654.1	2,561.9	92.17	28.795	
16,500.0	10,895.0	13,846.6	8,241.0	98.9	95.7	-0.37	-5,439.1	-225.4	2,654.1	2,560.4	93.68	28.330	
16,600.0	10,895.0	13,946.6	8,241.0	100.4	97.3	-0.37	-5,539.1	-224.6	2,654.1	2,558.9	95.20	27.879	
16,700.0	10,895.0	14,046.6	8,241.0	101.9	98.9	-0.37	-5,639.1	-223.9	2,654.1	2,557.3	96.72	27.441	
16,800.0	10,895.0	14,146.6	8,241.0	103.4	100.4	-0.37	-5,739.1	-223.1	2,654.1	2,555.8	98.24	27.017	
16,900.0	10,895.0	14,246.6	8,241.0	105.0	102.0	-0.37	-5,839.1	-222.3	2,654.1	2,554.3	99.76	26.605	
17,000.0	10,895.0	14,346.6	8,241.0	106.5	103.6	-0.37	-5,939.1	-221.6	2,654.1	2,552.8	101.28	26.205	
17,100.0	10,895.0	14,446.6	8,241.0	108.1	105.2	-0.37	-6,039.1	-220.8	2,654.1	2,551.3	102.80	25.817	
17,200.0	10,895.0	14,546.6	8,241.0	109.6	106.8	-0.37	-6,139.1	-220.0	2,654.1	2,549.7	104.33	25.439	
17,300.0	10,895.0	14,646.6	8,241.0	111.1	108.3	-0.37	-6,239.1	-219.3	2,654.1	2,548.2	105.86	25.072	
17,400.0	10,895.0	14,746.6	8,241.0	112.7	109.9	-0.37	-6,339.1	-218.5	2,654.1	2,546.7	107.38	24.716	
17,500.0	10,895.0	14,846.6	8,241.0	114.2	111.5	-0.37	-6,439.1	-217.7	2,654.1	2,545.1	108.91	24.369	
17,600.0	10,895.0	14,946.6	8,241.0	115.8	113.1	-0.37	-6,539.1	-217.0	2,654.1	2,543.6	110.44	24.031	
17,700.0	10,895.0	15,046.6	8,241.0	117.3	114.7	-0.37	-6,639.1	-216.2	2,654.1	2,542.1	111.97	23.702	
17,800.0	10,895.0	15,146.6	8,241.0	118.9	116.3	-0.37	-6,739.1	-215.4	2,654.1	2,540.5	113.51	23.383	
17,900.0	10,895.0	15,246.6	8,241.0	120.5	117.9	-0.37	-6,839.1	-214.7	2,654.1	2,539.0	115.04	23.071	
18,000.0	10,895.0	15,346.6	8,241.0	122.0	119.5	-0.37	-6,939.1	-213.9	2,654.1	2,537.5	116.57	22.767	
18,100.0	10,895.0	15,446.6	8,241.0	123.6	121.1	-0.37	-7,039.1	-213.1	2,654.1	2,535.9	118.11	22.471	
18,200.0	10,895.0	15,546.6	8,241.0	125.1	122.7	-0.37	-7,139.1	-212.4	2,654.1	2,534.4	119.64	22.183	
18,300.0	10,895.0	15,646.6	8,241.0	126.7	124.3	-0.37	-7,239.1	-211.6	2,654.1	2,532.9	121.18	21.902	
18,400.0	10,895.0	15,746.6	8,241.0	128.3	125.9	-0.37	-7,339.1	-210.8	2,654.1	2,531.3	122.72	21.627	
18,500.0	10,895.0	15,846.6	8,241.0	129.9	127.5	-0.37	-7,439.1	-210.1	2,654.1	2,529.8	124.26	21.359	
18,600.0	10,895.0	15,946.6	8,241.0	131.4	129.1	-0.37	-7,539.1	-209.3	2,654.1	2,528.3	125.80	21.098	
18,700.0	10,895.0	16,046.6	8,241.0	133.0	130.7	-0.37	-7,639.1	-208.5	2,654.1	2,526.7	127.34	20.843	
18,800.0	10,895.0	16,146.6	8,241.0	134.6	132.3	-0.37	-7,739.1	-207.8	2,654.1	2,525.2	128.88	20.594	
18,900.0	10,895.0	16,246.6	8,241.0	136.2	133.9	-0.37	-7,839.1	-207.0	2,654.1	2,523.6	130.42	20.350	
19,000.0	10,895.0	16,346.6	8,241.0	137.7	135.5	-0.37	-7,939.0	-206.2	2,654.1	2,522.1	131.96	20.113	
19,100.0	10,895.0	16,446.6	8,241.0	139.3	137.1	-0.37	-8,039.0	-205.5	2,654.1	2,520.6	133.50	19.880	
19,200.0	10,895.0	16,546.6	8,241.0	140.9	138.7	-0.37	-8,139.0	-204.7	2,654.1	2,519.0	135.05	19.653	
19,300.0	10,895.0	16,646.6	8,241.0	142.5	140.4	-0.37	-8,239.0	-203.9	2,654.1	2,517.5	136.59	19.431	
19,400.0	10,895.0	16,746.6	8,241.0	144.1	142.0	-0.37	-8,339.0	-203.2	2,654.1	2,515.9	138.13	19.214	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	16,846.6	8,241.0	145.7	143.6	-0.37	-8,439.0	-202.4	2,654.1	2,514.4	139.68	19.001	
19,600.0	10,895.0	16,946.6	8,241.0	147.3	145.2	-0.37	-8,539.0	-201.6	2,654.1	2,512.8	141.23	18.793	
19,700.0	10,895.0	17,046.6	8,241.0	148.9	146.8	-0.37	-8,639.0	-200.9	2,654.1	2,511.3	142.77	18.590	
19,800.0	10,895.0	17,146.6	8,241.0	150.5	148.4	-0.37	-8,739.0	-200.1	2,654.1	2,509.7	144.32	18.390	
19,900.0	10,895.0	17,246.6	8,241.0	152.0	150.0	-0.37	-8,839.0	-199.3	2,654.1	2,508.2	145.86	18.195	
20,000.0	10,895.0	17,346.6	8,241.0	153.6	151.7	-0.37	-8,939.0	-198.6	2,654.1	2,506.6	147.41	18.004	
20,100.0	10,895.0	17,446.6	8,241.0	155.2	153.3	-0.37	-9,039.0	-197.8	2,654.1	2,505.1	148.96	17.817	
20,200.0	10,895.0	17,546.6	8,241.0	156.8	154.9	-0.37	-9,139.0	-197.0	2,654.1	2,503.5	150.51	17.634	
20,300.0	10,895.0	17,646.6	8,241.0	158.4	156.5	-0.37	-9,239.0	-196.3	2,654.1	2,502.0	152.06	17.454	
20,400.0	10,895.0	17,746.6	8,241.0	160.0	158.1	-0.37	-9,339.0	-195.5	2,654.1	2,500.4	153.61	17.278	
20,500.0	10,895.0	17,846.6	8,241.0	161.6	159.7	-0.37	-9,439.0	-194.7	2,654.1	2,498.9	155.16	17.106	
20,600.0	10,895.0	17,946.6	8,241.0	163.2	161.4	-0.37	-9,539.0	-194.0	2,654.1	2,497.3	156.71	16.936	
20,700.0	10,895.0	18,046.6	8,241.0	164.8	163.0	-0.37	-9,639.0	-193.2	2,654.1	2,495.8	158.26	16.770	
20,800.0	10,895.0	18,146.6	8,241.0	166.4	164.6	-0.37	-9,739.0	-192.4	2,654.1	2,494.2	159.81	16.608	
20,900.0	10,895.0	18,246.6	8,241.0	168.0	166.2	-0.37	-9,839.0	-191.7	2,654.1	2,492.7	161.36	16.448	
21,000.0	10,895.0	18,346.6	8,241.0	169.6	167.9	-0.37	-9,939.0	-190.9	2,654.1	2,491.1	162.91	16.291	
21,100.0	10,895.0	18,446.6	8,241.0	171.2	169.5	-0.37	-10,039.0	-190.1	2,654.1	2,489.6	164.46	16.138	
21,194.3	10,895.0	18,541.0	8,241.0	172.8	171.0	-0.37	-10,133.3	-189.4	2,654.1	2,488.1	165.93	15.995	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	89.58	1.0	140.0	140.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.58	1.0	140.0	140.0	139.7	0.26	546.197	
200.0	200.0	200.0	200.0	0.5	0.5	89.58	1.0	140.0	140.0	139.0	0.97	143.842	
300.0	300.0	300.0	300.0	0.8	0.8	89.58	1.0	140.0	140.0	138.3	1.69	82.827	
400.0	400.0	400.0	400.0	1.2	1.2	89.58	1.0	140.0	140.0	137.6	2.41	58.158	
500.0	500.0	500.0	500.0	1.6	1.6	89.58	1.0	140.0	140.0	136.9	3.12	44.811	
600.0	600.0	600.0	600.0	1.9	1.9	89.58	1.0	140.0	140.0	136.2	3.84	36.447	
700.0	700.0	700.0	700.0	2.3	2.3	89.58	1.0	140.0	140.0	135.4	4.56	30.714	
800.0	800.0	800.0	800.0	2.6	2.6	89.58	1.0	140.0	140.0	134.7	5.27	26.540	
900.0	900.0	900.0	900.0	3.0	3.0	89.58	1.0	140.0	140.0	134.0	5.99	23.364	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.58	1.0	140.0	140.0	133.3	6.71	20.867	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.58	1.0	140.0	140.0	132.6	7.43	18.853	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.58	1.0	140.0	140.0	131.9	8.14	17.193	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.58	1.0	140.0	140.0	131.1	8.86	15.801	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.58	1.0	140.0	140.0	130.4	9.58	14.618	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.58	1.0	140.0	140.0	129.7	10.29	13.600	CC
1,600.0	1,600.0	1,598.5	1,598.4	5.5	5.5	89.32	1.7	140.5	140.5	129.5	11.00	12.774	ES
1,700.0	1,700.0	1,696.9	1,696.8	5.9	5.8	88.53	3.6	142.1	142.2	130.5	11.71	12.147	
1,800.0	1,800.0	1,795.1	1,795.0	6.2	6.2	87.27	6.9	144.8	145.0	132.6	12.41	11.687	
1,900.0	1,900.0	1,893.2	1,892.9	6.6	6.5	85.58	11.5	148.5	149.1	136.0	13.11	11.374	
2,000.0	2,000.0	1,991.1	1,990.5	6.9	6.9	83.56	17.3	153.3	154.6	140.8	13.81	11.192	
2,100.0	2,100.0	2,088.7	2,087.7	7.3	7.3	81.27	24.4	159.1	161.4	146.9	14.50	11.131	SF
2,200.0	2,200.0	2,186.0	2,184.3	7.7	7.6	78.82	32.8	165.9	169.9	154.7	15.19	11.181	
2,300.0	2,300.0	2,282.8	2,280.4	8.0	8.0	76.30	42.4	173.8	179.9	164.1	15.88	11.334	
2,400.0	2,400.0	2,381.4	2,378.0	8.4	8.3	73.81	53.0	182.4	191.2	174.7	16.58	11.535	
2,500.0	2,500.0	2,480.4	2,476.1	8.7	8.7	71.58	63.7	191.2	202.9	185.6	17.29	11.735	
2,600.0	2,600.0	2,579.5	2,574.2	9.1	9.1	110.15	74.3	199.9	215.1	197.1	18.00	11.951	
2,700.0	2,700.0	2,678.5	2,672.2	9.4	9.5	108.87	85.0	208.6	228.1	209.4	18.71	12.190	
2,800.0	2,799.9	2,777.6	2,770.3	9.8	9.9	108.11	95.7	217.3	241.6	222.2	19.42	12.441	
2,900.0	2,899.7	2,876.6	2,868.4	10.2	10.2	107.78	106.3	226.0	255.8	235.6	20.14	12.701	
3,000.0	2,999.4	2,975.5	2,966.3	10.5	10.6	107.83	117.0	234.7	270.4	249.6	20.86	12.966	
3,100.0	3,098.9	3,074.3	3,064.2	10.9	11.0	108.18	127.7	243.4	285.6	264.0	21.58	13.236	
3,200.0	3,198.3	3,173.0	3,161.9	11.2	11.4	108.80	138.3	252.1	301.4	279.1	22.30	13.512	
3,300.0	3,297.4	3,271.5	3,259.4	11.6	11.8	109.63	148.9	260.8	317.8	294.7	23.04	13.795	
3,400.0	3,396.4	3,369.9	3,356.9	12.0	12.2	110.67	159.5	269.5	334.6	310.8	23.77	14.075	
3,500.0	3,495.5	3,468.3	3,454.3	12.3	12.6	111.61	170.1	278.1	351.4	326.9	24.51	14.339	
3,600.0	3,594.5	3,566.7	3,551.8	12.7	13.0	112.46	180.7	286.8	368.4	343.1	25.25	14.590	
3,700.0	3,693.5	3,665.1	3,649.2	13.1	13.4	113.23	191.3	295.5	385.4	359.4	25.99	14.828	
3,800.0	3,792.5	3,763.5	3,746.7	13.5	13.8	113.94	201.9	304.1	402.5	375.8	26.74	15.053	
3,900.0	3,891.6	3,861.9	3,844.1	13.9	14.2	114.60	212.5	312.8	419.7	392.2	27.49	15.267	
4,000.0	3,990.6	3,960.3	3,941.6	14.2	14.6	115.20	223.1	321.5	436.9	408.6	28.24	15.470	
4,100.0	4,089.6	4,058.7	4,039.0	14.6	15.0	115.75	233.8	330.1	454.1	425.1	28.99	15.663	
4,200.0	4,188.6	4,157.1	4,136.5	15.0	15.4	116.27	244.4	338.8	471.4	441.7	29.75	15.847	
4,300.0	4,287.7	4,255.6	4,233.9	15.4	15.8	116.75	255.0	347.5	488.7	458.2	30.50	16.022	
4,400.0	4,386.7	4,354.0	4,331.4	15.8	16.2	117.19	265.6	356.1	506.1	474.8	31.26	16.188	
4,500.0	4,485.7	4,452.4	4,428.8	16.2	16.6	117.61	276.2	364.8	523.5	491.4	32.02	16.347	
4,600.0	4,584.8	4,550.8	4,526.3	16.6	17.0	118.00	286.8	373.5	540.9	508.1	32.78	16.499	
4,700.0	4,683.8	4,649.2	4,623.7	17.0	17.4	118.37	297.4	382.1	558.3	524.7	33.54	16.643	
4,800.0	4,782.8	4,747.6	4,721.2	17.4	17.8	118.71	308.0	390.8	575.7	541.4	34.31	16.782	
4,900.0	4,881.8	4,846.0	4,818.6	17.8	18.2	119.03	318.6	399.5	593.2	558.1	35.07	16.914	
5,000.0	4,980.9	4,944.4	4,916.1	18.2	18.6	119.34	329.2	408.1	610.7	574.8	35.84	17.041	
5,100.0	5,079.9	5,042.8	5,013.5	18.6	19.0	119.63	339.8	416.8	628.2	591.6	36.60	17.163	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,141.2	5,111.0	19.0	19.4	119.90	350.4	425.5	645.7	608.3	37.37	17.279	
5,300.0	5,277.9	5,249.3	5,218.1	19.4	19.8	120.22	361.5	434.5	662.7	624.5	38.21	17.343	
5,400.0	5,377.0	5,363.1	5,331.2	19.8	20.3	120.72	370.8	442.1	677.8	638.7	39.08	17.342	
5,500.0	5,476.0	5,477.2	5,445.0	20.2	20.7	121.39	377.4	447.5	690.6	650.7	39.93	17.297	
5,600.0	5,575.0	5,591.6	5,559.3	20.6	21.1	122.22	381.5	450.8	701.4	660.6	40.75	17.213	
5,700.0	5,674.0	5,706.0	5,673.7	21.0	21.5	123.21	382.9	452.0	710.1	668.5	41.54	17.095	
5,800.0	5,773.1	5,805.4	5,773.1	21.4	21.8	124.14	382.9	452.0	717.8	675.6	42.27	16.982	
5,900.0	5,872.1	5,904.4	5,872.1	21.8	22.1	125.04	382.9	452.0	725.8	682.8	43.00	16.878	
6,000.0	5,971.1	6,003.4	5,971.1	22.2	22.5	125.92	382.9	452.0	733.9	690.2	43.73	16.782	
6,100.0	6,070.2	6,102.5	6,070.2	22.6	22.8	126.79	382.9	452.0	742.2	697.8	44.46	16.693	
6,199.8	6,169.0	6,201.3	6,169.0	23.0	23.1	127.63	382.9	452.0	750.7	705.5	45.19	16.611	
6,300.0	6,268.4	6,300.7	6,268.4	23.4	23.5	128.48	382.9	452.0	758.5	712.6	45.92	16.519	
6,400.0	6,367.9	6,400.2	6,367.9	23.8	23.8	129.14	382.9	452.0	764.8	718.2	46.64	16.400	
6,500.0	6,467.6	6,500.1	6,467.6	24.2	24.1	129.62	382.9	452.0	769.5	722.2	47.35	16.253	
6,600.0	6,567.5	6,600.2	6,567.5	24.5	24.5	129.93	382.9	452.0	772.6	724.5	48.05	16.079	
6,700.0	6,667.5	6,700.2	6,667.5	24.9	24.8	130.07	382.9	452.0	774.0	725.2	48.74	15.879	
6,733.1	6,700.6	6,732.9	6,700.6	25.0	24.9	89.63	382.9	452.0	774.1	725.1	48.97	15.807	
6,800.0	6,767.5	6,800.2	6,767.5	25.2	25.2	89.63	382.9	452.0	774.1	724.6	49.43	15.660	
6,900.0	6,867.5	6,900.2	6,867.5	25.6	25.5	89.63	382.9	452.0	774.1	724.0	50.12	15.445	
7,000.0	6,967.5	7,000.2	6,967.5	25.9	25.8	89.63	382.9	452.0	774.1	723.3	50.81	15.235	
7,100.0	7,067.5	7,100.2	7,067.5	26.2	26.2	89.63	382.9	452.0	774.1	722.6	51.50	15.031	
7,200.0	7,167.5	7,200.2	7,167.5	26.6	26.5	89.63	382.9	452.0	774.1	721.9	52.19	14.832	
7,300.0	7,267.5	7,300.2	7,267.5	26.9	26.9	89.63	382.9	452.0	774.1	721.2	52.88	14.638	
7,400.0	7,367.5	7,400.2	7,367.5	27.3	27.2	89.63	382.9	452.0	774.1	720.5	53.57	14.449	
7,500.0	7,467.5	7,500.2	7,467.5	27.6	27.5	89.63	382.9	452.0	774.1	719.8	54.26	14.265	
7,600.0	7,567.5	7,600.2	7,567.5	27.9	27.9	89.63	382.9	452.0	774.1	719.1	54.96	14.085	
7,700.0	7,667.5	7,700.2	7,667.5	28.3	28.2	89.63	382.9	452.0	774.1	718.4	55.65	13.909	
7,800.0	7,767.5	7,800.2	7,767.5	28.6	28.6	89.63	382.9	452.0	774.1	717.7	56.35	13.738	
7,900.0	7,867.5	7,900.2	7,867.5	29.0	28.9	89.63	382.9	452.0	774.1	717.0	57.04	13.570	
8,000.0	7,967.5	8,000.2	7,967.5	29.3	29.3	89.63	382.9	452.0	774.1	716.3	57.74	13.407	
8,100.0	8,067.5	8,100.2	8,067.5	29.7	29.6	89.63	382.9	452.0	774.1	715.6	58.43	13.247	
8,200.0	8,167.5	8,200.2	8,167.5	30.0	30.0	89.63	382.9	452.0	774.1	714.9	59.13	13.091	
8,300.0	8,267.5	8,312.2	8,279.4	30.4	30.3	90.24	374.5	451.2	773.4	713.6	59.81	12.930	
8,400.0	8,367.5	8,419.6	8,383.0	30.7	30.5	92.32	346.6	448.5	771.4	711.0	60.41	12.769	
8,500.0	8,467.5	8,514.0	8,468.2	31.0	30.7	95.31	306.6	444.7	770.2	709.2	60.94	12.637	
8,502.9	8,470.3	8,516.5	8,470.3	31.1	30.7	95.40	305.4	444.6	770.2	709.2	60.96	12.634	
8,600.0	8,567.5	8,593.3	8,534.0	31.4	30.8	98.60	262.5	440.6	772.1	710.7	61.34	12.587	
8,700.0	8,667.5	8,658.7	8,583.1	31.7	30.9	101.77	219.7	436.5	779.5	718.1	61.45	12.684	
8,800.0	8,767.5	8,712.1	8,619.5	32.1	30.9	104.63	180.8	432.9	794.2	733.0	61.15	12.987	
8,900.0	8,867.5	8,755.9	8,646.5	32.4	31.0	107.11	146.4	429.6	817.0	756.6	60.36	13.534	
9,000.0	8,967.5	8,792.1	8,666.7	32.8	31.0	109.23	116.6	426.8	848.3	789.1	59.11	14.351	
9,100.0	9,067.5	8,822.2	8,682.1	33.1	31.0	111.03	90.8	424.3	887.7	830.3	57.48	15.445	
9,200.0	9,167.5	8,850.0	8,695.1	33.5	31.0	112.71	66.3	422.0	934.8	879.2	55.63	16.804	
9,300.0	9,267.5	8,869.1	8,703.3	33.8	31.0	113.88	49.2	420.4	988.8	935.2	53.57	18.456	
9,400.0	9,367.5	8,887.6	8,710.7	34.2	31.0	115.00	32.3	418.8	1,048.7	997.1	51.53	20.351	
9,500.0	9,467.5	8,900.0	8,715.3	34.5	31.0	115.76	20.9	417.7	1,113.8	1,064.3	49.48	22.511	
9,600.0	9,567.5	8,917.7	8,721.5	34.9	31.0	116.83	4.4	416.2	1,183.3	1,135.6	47.64	24.836	
9,700.0	9,667.5	8,930.0	8,725.6	35.2	31.1	117.58	-7.2	415.1	1,256.5	1,210.6	45.88	27.385	
9,800.0	9,767.5	8,950.0	8,731.6	35.6	31.1	118.79	-26.2	413.3	1,333.1	1,288.7	44.41	30.019	
9,900.0	9,867.5	8,950.0	8,731.6	35.9	31.1	118.79	-26.2	413.3	1,412.2	1,369.4	42.80	32.994	
10,000.0	9,967.5	8,950.0	8,731.6	36.3	31.1	118.79	-26.2	413.3	1,493.8	1,452.4	41.37	36.108	
10,100.0	10,067.5	8,967.2	8,736.2	36.6	31.1	119.81	-42.7	411.7	1,577.2	1,536.9	40.33	39.108	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,167.5	8,974.3	8,737.9	37.0	31.1	120.24	-49.5	411.1	1,662.4	1,623.2	39.29	42.308	
10,300.0	10,267.5	8,980.8	8,739.5	37.3	31.1	120.62	-55.8	410.5	1,749.1	1,710.8	38.38	45.574	
10,354.5	10,322.0	9,000.0	8,743.6	37.5	31.1	121.76	-74.5	408.7	1,797.2	1,759.1	38.12	47.148	
10,400.0	10,367.4	9,000.0	8,743.6	37.6	31.1	-48.48	-74.5	408.7	1,836.8	1,799.1	37.71	48.708	
10,450.0	10,417.0	9,000.0	8,743.6	37.8	31.1	-42.76	-74.5	408.7	1,879.2	1,841.9	37.24	50.458	
10,500.0	10,465.9	9,000.0	8,743.6	37.9	31.1	-38.10	-74.5	408.7	1,920.2	1,883.4	36.77	52.227	
10,550.0	10,513.7	9,000.0	8,743.6	38.0	31.1	-34.31	-74.5	408.7	1,959.7	1,923.4	36.29	54.002	
10,600.0	10,560.0	9,000.0	8,743.6	38.2	31.1	-31.20	-74.5	408.7	1,997.4	1,961.5	35.81	55.769	
10,650.0	10,604.5	9,000.0	8,743.6	38.3	31.1	-28.65	-74.5	408.7	2,033.1	1,997.7	35.35	57.513	
10,700.0	10,646.9	9,023.2	8,747.7	38.3	31.2	-26.17	-97.2	406.6	2,066.1	2,031.0	35.10	58.860	
10,750.0	10,686.8	9,031.3	8,749.0	38.4	31.2	-24.37	-105.2	405.8	2,097.0	2,062.3	34.73	60.386	
10,800.0	10,723.9	9,050.0	8,751.4	38.5	31.2	-22.76	-123.7	404.1	2,125.5	2,091.0	34.45	61.698	
10,850.0	10,758.0	9,050.0	8,751.4	38.5	31.2	-21.64	-123.7	404.1	2,151.0	2,116.9	34.05	63.162	
10,900.0	10,788.7	9,050.0	8,751.4	38.6	31.2	-20.71	-123.7	404.1	2,173.8	2,140.1	33.70	64.498	
10,950.0	10,815.9	9,050.0	8,751.4	38.6	31.2	-19.95	-123.7	404.1	2,193.9	2,160.5	33.40	65.679	
11,000.0	10,839.3	9,077.2	8,753.8	38.6	31.3	-19.14	-150.6	401.5	2,210.4	2,177.1	33.28	66.424	
11,050.0	10,858.8	9,100.0	8,754.8	38.7	31.3	-18.52	-173.3	399.4	2,224.3	2,191.1	33.16	67.086	
11,100.0	10,874.2	9,100.0	8,754.8	38.7	31.3	-18.19	-173.3	399.4	2,234.6	2,201.6	33.00	67.717	
11,150.0	10,885.4	9,107.6	8,754.9	38.7	31.3	-17.92	-180.9	398.7	2,242.0	2,209.0	32.93	68.079	
11,200.0	10,892.4	9,128.1	8,755.0	38.8	31.4	-17.70	-201.3	396.8	2,246.0	2,213.1	32.94	68.175	
11,254.5	10,895.0	9,171.6	8,755.0	38.9	31.5	-17.53	-244.7	393.2	2,246.1	2,213.1	33.04	67.982	
11,300.0	10,895.0	9,208.1	8,755.0	39.0	31.6	-17.45	-281.0	390.7	2,244.5	2,211.3	33.16	67.693	
11,407.5	10,895.0	9,294.9	8,755.0	39.3	31.9	-17.35	-367.7	386.7	2,242.1	2,208.5	33.58	66.761	
11,500.0	10,895.0	9,369.9	8,755.0	39.6	32.2	-17.30	-442.7	385.4	2,241.4	2,207.3	34.09	65.742	
11,600.0	10,895.0	9,461.4	8,755.0	40.0	32.7	-17.29	-534.3	385.8	2,241.3	2,206.5	34.77	64.465	
11,611.3	10,895.0	9,472.7	8,755.0	40.0	32.7	-17.29	-545.6	385.9	2,241.3	2,206.5	34.85	64.307	
11,700.0	10,895.0	9,561.4	8,755.0	40.5	33.2	-17.29	-634.3	386.6	2,241.3	2,205.8	35.54	63.059	
11,800.0	10,895.0	9,661.4	8,755.0	41.0	33.8	-17.29	-734.3	387.4	2,241.3	2,204.9	36.39	61.594	
11,900.0	10,895.0	9,761.4	8,755.0	41.6	34.5	-17.29	-834.3	388.1	2,241.3	2,204.0	37.30	60.087	
12,000.0	10,895.0	9,861.4	8,755.0	42.2	35.3	-17.29	-934.3	388.9	2,241.3	2,203.0	38.27	58.558	
12,100.0	10,895.0	9,961.4	8,755.0	42.9	36.1	-17.29	-1,034.3	389.7	2,241.3	2,202.0	39.31	57.022	
12,200.0	10,895.0	10,061.4	8,755.0	43.6	36.9	-17.29	-1,134.3	390.4	2,241.3	2,200.9	40.39	55.493	
12,300.0	10,895.0	10,161.4	8,755.0	44.4	37.9	-17.29	-1,234.3	391.2	2,241.3	2,199.8	41.52	53.980	
12,400.0	10,895.0	10,261.4	8,755.0	45.2	38.8	-17.29	-1,334.3	392.0	2,241.3	2,198.6	42.70	52.492	
12,500.0	10,895.0	10,361.4	8,755.0	46.1	39.8	-17.29	-1,434.3	392.7	2,241.3	2,197.4	43.92	51.037	
12,600.0	10,895.0	10,461.4	8,755.0	47.0	40.9	-17.29	-1,534.2	393.5	2,241.3	2,196.1	45.17	49.618	
12,700.0	10,895.0	10,561.4	8,755.0	48.0	42.0	-17.29	-1,634.2	394.3	2,241.3	2,194.8	46.46	48.241	
12,800.0	10,895.0	10,661.4	8,755.0	49.0	43.1	-17.29	-1,734.2	395.0	2,241.3	2,193.5	47.78	46.906	
12,900.0	10,895.0	10,761.4	8,755.0	50.0	44.3	-17.29	-1,834.2	395.8	2,241.3	2,192.2	49.13	45.616	
13,000.0	10,895.0	10,861.4	8,755.0	51.1	45.4	-17.29	-1,934.2	396.6	2,241.3	2,190.8	50.51	44.371	
13,100.0	10,895.0	10,961.4	8,755.0	52.2	46.7	-17.29	-2,034.2	397.4	2,241.3	2,189.4	51.92	43.171	
13,200.0	10,895.0	11,061.4	8,755.0	53.3	47.9	-17.29	-2,134.2	398.1	2,241.3	2,188.0	53.34	42.017	
13,300.0	10,895.0	11,161.4	8,755.0	54.4	49.2	-17.29	-2,234.2	398.9	2,241.3	2,186.5	54.79	40.906	
13,400.0	10,895.0	11,261.4	8,755.0	55.6	50.4	-17.29	-2,334.2	399.7	2,241.3	2,185.0	56.26	39.839	
13,500.0	10,895.0	11,361.4	8,755.0	56.8	51.8	-17.29	-2,434.2	400.4	2,241.3	2,183.6	57.74	38.815	
13,600.0	10,895.0	11,461.4	8,755.0	58.0	53.1	-17.29	-2,534.2	401.2	2,241.3	2,182.0	59.25	37.830	
13,700.0	10,895.0	11,561.4	8,755.0	59.2	54.4	-17.29	-2,634.2	402.0	2,241.3	2,180.5	60.76	36.885	
13,800.0	10,895.0	11,661.4	8,755.0	60.5	55.8	-17.29	-2,734.2	402.7	2,241.3	2,179.0	62.30	35.978	
13,900.0	10,895.0	11,761.4	8,755.0	61.8	57.2	-17.29	-2,834.2	403.5	2,241.3	2,177.4	63.84	35.107	
14,000.0	10,895.0	11,861.4	8,755.0	63.1	58.6	-17.29	-2,934.2	404.3	2,241.3	2,175.9	65.40	34.271	
14,100.0	10,895.0	11,961.4	8,755.0	64.4	60.0	-17.29	-3,034.2	405.0	2,241.3	2,174.3	66.97	33.468	
14,200.0	10,895.0	12,061.4	8,755.0	65.7	61.4	-17.29	-3,134.2	405.8	2,241.3	2,172.7	68.55	32.696	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	12,161.4	8,755.0	67.0	62.8	-17.29	-3,234.2	406.6	2,241.3	2,171.1	70.14	31.955	
14,400.0	10,895.0	12,261.4	8,755.0	68.4	64.2	-17.29	-3,334.2	407.3	2,241.3	2,169.5	71.74	31.242	
14,500.0	10,895.0	12,361.4	8,755.0	69.8	65.7	-17.29	-3,434.2	408.1	2,241.3	2,167.9	73.35	30.557	
14,600.0	10,895.0	12,461.4	8,755.0	71.1	67.1	-17.29	-3,534.2	408.9	2,241.3	2,166.3	74.97	29.898	
14,700.0	10,895.0	12,561.4	8,755.0	72.5	68.6	-17.29	-3,634.2	409.6	2,241.3	2,164.7	76.59	29.263	
14,800.0	10,895.0	12,661.4	8,755.0	73.9	70.1	-17.29	-3,734.2	410.4	2,241.3	2,163.1	78.22	28.653	
14,900.0	10,895.0	12,761.4	8,755.0	75.3	71.6	-17.29	-3,834.2	411.2	2,241.3	2,161.4	79.86	28.065	
15,000.0	10,895.0	12,861.4	8,755.0	76.7	73.0	-17.29	-3,934.2	411.9	2,241.3	2,159.8	81.51	27.498	
15,100.0	10,895.0	12,961.4	8,755.0	78.2	74.5	-17.29	-4,034.2	412.7	2,241.3	2,158.1	83.16	26.952	
15,200.0	10,895.0	13,061.4	8,755.0	79.6	76.0	-17.29	-4,134.2	413.5	2,241.3	2,156.5	84.81	26.426	
15,300.0	10,895.0	13,161.4	8,755.0	81.1	77.5	-17.29	-4,234.2	414.3	2,241.3	2,154.8	86.48	25.918	
15,400.0	10,895.0	13,261.4	8,755.0	82.5	79.1	-17.29	-4,334.2	415.0	2,241.3	2,153.1	88.14	25.428	
15,500.0	10,895.0	13,361.4	8,755.0	84.0	80.6	-17.29	-4,434.2	415.8	2,241.3	2,151.5	89.82	24.954	
15,600.0	10,895.0	13,461.4	8,755.0	85.4	82.1	-17.29	-4,534.2	416.6	2,241.3	2,149.8	91.49	24.497	
15,700.0	10,895.0	13,561.4	8,755.0	86.9	83.6	-17.29	-4,634.2	417.3	2,241.3	2,148.1	93.17	24.055	
15,800.0	10,895.0	13,661.4	8,755.0	88.4	85.2	-17.29	-4,734.2	418.1	2,241.3	2,146.4	94.86	23.628	
15,900.0	10,895.0	13,761.4	8,755.0	89.9	86.7	-17.29	-4,834.2	418.9	2,241.3	2,144.7	96.55	23.215	
16,000.0	10,895.0	13,861.4	8,755.0	91.4	88.2	-17.29	-4,934.1	419.6	2,241.3	2,143.0	98.24	22.815	
16,100.0	10,895.0	13,961.4	8,755.0	92.8	89.8	-17.29	-5,034.1	420.4	2,241.3	2,141.3	99.93	22.427	
16,200.0	10,895.0	14,061.4	8,755.0	94.3	91.3	-17.29	-5,134.1	421.2	2,241.3	2,139.6	101.63	22.053	
16,300.0	10,895.0	14,161.4	8,755.0	95.9	92.9	-17.29	-5,234.1	421.9	2,241.3	2,137.9	103.34	21.689	
16,400.0	10,895.0	14,261.4	8,755.0	97.4	94.4	-17.29	-5,334.1	422.7	2,241.3	2,136.2	105.04	21.337	
16,500.0	10,895.0	14,361.4	8,755.0	98.9	96.0	-17.29	-5,434.1	423.5	2,241.3	2,134.5	106.75	20.996	
16,600.0	10,895.0	14,461.4	8,755.0	100.4	97.6	-17.29	-5,534.1	424.2	2,241.3	2,132.8	108.46	20.665	
16,700.0	10,895.0	14,561.4	8,755.0	101.9	99.1	-17.29	-5,634.1	425.0	2,241.3	2,131.1	110.17	20.343	
16,800.0	10,895.0	14,661.4	8,755.0	103.4	100.7	-17.29	-5,734.1	425.8	2,241.3	2,129.4	111.89	20.031	
16,900.0	10,895.0	14,761.4	8,755.0	105.0	102.3	-17.29	-5,834.1	426.5	2,241.3	2,127.7	113.61	19.728	
17,000.0	10,895.0	14,861.4	8,755.0	106.5	103.8	-17.29	-5,934.1	427.3	2,241.3	2,125.9	115.33	19.434	
17,100.0	10,895.0	14,961.4	8,755.0	108.1	105.4	-17.29	-6,034.1	428.1	2,241.3	2,124.2	117.05	19.148	
17,200.0	10,895.0	15,061.4	8,755.0	109.6	107.0	-17.29	-6,134.1	428.8	2,241.3	2,122.5	118.77	18.870	
17,300.0	10,895.0	15,161.4	8,755.0	111.1	108.6	-17.29	-6,234.1	429.6	2,241.3	2,120.8	120.50	18.600	
17,400.0	10,895.0	15,261.4	8,755.0	112.7	110.1	-17.29	-6,334.1	430.4	2,241.3	2,119.0	122.23	18.337	
17,500.0	10,895.0	15,361.4	8,755.0	114.2	111.7	-17.29	-6,434.1	431.2	2,241.3	2,117.3	123.96	18.081	
17,600.0	10,895.0	15,461.4	8,755.0	115.8	113.3	-17.29	-6,534.1	431.9	2,241.3	2,115.6	125.69	17.832	
17,700.0	10,895.0	15,561.4	8,755.0	117.3	114.9	-17.29	-6,634.1	432.7	2,241.3	2,113.8	127.42	17.589	
17,800.0	10,895.0	15,661.4	8,755.0	118.9	116.5	-17.29	-6,734.1	433.5	2,241.3	2,112.1	129.16	17.353	
17,900.0	10,895.0	15,761.4	8,755.0	120.5	118.1	-17.29	-6,834.1	434.2	2,241.3	2,110.4	130.89	17.123	
18,000.0	10,895.0	15,861.4	8,755.0	122.0	119.7	-17.29	-6,934.1	435.0	2,241.3	2,108.6	132.63	16.898	
18,100.0	10,895.0	15,961.4	8,755.0	123.6	121.2	-17.29	-7,034.1	435.8	2,241.3	2,106.9	134.37	16.680	
18,200.0	10,895.0	16,061.4	8,755.0	125.1	122.8	-17.29	-7,134.1	436.5	2,241.3	2,105.1	136.11	16.466	
18,300.0	10,895.0	16,161.4	8,755.0	126.7	124.4	-17.29	-7,234.1	437.3	2,241.3	2,103.4	137.85	16.258	
18,400.0	10,895.0	16,261.4	8,755.0	128.3	126.0	-17.29	-7,334.1	438.1	2,241.3	2,101.7	139.60	16.055	
18,500.0	10,895.0	16,361.4	8,755.0	129.9	127.6	-17.29	-7,434.1	438.8	2,241.3	2,099.9	141.34	15.857	
18,600.0	10,895.0	16,461.4	8,755.0	131.4	129.2	-17.29	-7,534.1	439.6	2,241.3	2,098.2	143.09	15.664	
18,700.0	10,895.0	16,561.4	8,755.0	133.0	130.8	-17.29	-7,634.1	440.4	2,241.3	2,096.4	144.83	15.475	
18,800.0	10,895.0	16,661.4	8,755.0	134.6	132.4	-17.29	-7,734.1	441.1	2,241.3	2,094.7	146.58	15.290	
18,900.0	10,895.0	16,761.4	8,755.0	136.2	134.0	-17.29	-7,834.1	441.9	2,241.3	2,092.9	148.33	15.110	
19,000.0	10,895.0	16,861.4	8,755.0	137.7	135.6	-17.29	-7,934.1	442.7	2,241.2	2,091.2	150.08	14.934	
19,100.0	10,895.0	16,961.4	8,755.0	139.3	137.2	-17.29	-8,034.1	443.4	2,241.2	2,089.4	151.83	14.762	
19,200.0	10,895.0	17,061.4	8,755.0	140.9	138.9	-17.29	-8,134.1	444.2	2,241.2	2,087.7	153.58	14.593	
19,300.0	10,895.0	17,161.4	8,755.0	142.5	140.5	-17.29	-8,234.1	445.0	2,241.2	2,085.9	155.34	14.428	
19,400.0	10,895.0	17,261.4	8,755.0	144.1	142.1	-17.29	-8,334.0	445.7	2,241.2	2,084.2	157.09	14.267	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	17,361.4	8,755.0	145.7	143.7	-17.29	-8,434.0	446.5	2,241.2	2,082.4	158.84	14.110	
19,600.0	10,895.0	17,461.4	8,755.0	147.3	145.3	-17.29	-8,534.0	447.3	2,241.2	2,080.6	160.60	13.956	
19,700.0	10,895.0	17,561.4	8,755.0	148.9	146.9	-17.29	-8,634.0	448.1	2,241.2	2,078.9	162.35	13.805	
19,800.0	10,895.0	17,661.4	8,755.0	150.5	148.5	-17.29	-8,734.0	448.8	2,241.2	2,077.1	164.11	13.657	
19,900.0	10,895.0	17,761.4	8,755.0	152.0	150.1	-17.29	-8,834.0	449.6	2,241.2	2,075.4	165.87	13.512	
20,000.0	10,895.0	17,861.4	8,755.0	153.6	151.7	-17.29	-8,934.0	450.4	2,241.2	2,073.6	167.63	13.370	
20,100.0	10,895.0	17,961.4	8,755.0	155.2	153.4	-17.29	-9,034.0	451.1	2,241.2	2,071.9	169.39	13.232	
20,200.0	10,895.0	18,061.4	8,755.0	156.8	155.0	-17.29	-9,134.0	451.9	2,241.2	2,070.1	171.14	13.096	
20,300.0	10,895.0	18,161.4	8,755.0	158.4	156.6	-17.29	-9,234.0	452.7	2,241.2	2,068.3	172.90	12.962	
20,400.0	10,895.0	18,261.4	8,755.0	160.0	158.2	-17.29	-9,334.0	453.4	2,241.2	2,066.6	174.67	12.832	
20,500.0	10,895.0	18,361.4	8,755.0	161.6	159.8	-17.29	-9,434.0	454.2	2,241.2	2,064.8	176.43	12.703	
20,600.0	10,895.0	18,461.4	8,755.0	163.2	161.4	-17.29	-9,534.0	455.0	2,241.2	2,063.0	178.19	12.578	
20,700.0	10,895.0	18,561.4	8,755.0	164.8	163.0	-17.29	-9,634.0	455.7	2,241.2	2,061.3	179.95	12.455	
20,800.0	10,895.0	18,661.4	8,755.0	166.4	164.7	-17.29	-9,734.0	456.5	2,241.2	2,059.5	181.71	12.334	
20,900.0	10,895.0	18,761.4	8,755.0	168.0	166.3	-17.29	-9,834.0	457.3	2,241.2	2,057.8	183.48	12.215	
21,000.0	10,895.0	18,861.4	8,755.0	169.6	167.9	-17.29	-9,934.0	458.0	2,241.2	2,056.0	185.24	12.099	
21,100.0	10,895.0	18,961.4	8,755.0	171.2	169.5	-17.29	-10,034.0	458.8	2,241.2	2,054.2	187.01	11.985	
21,194.3	10,895.0	19,055.8	8,755.0	172.8	171.1	-17.29	-10,128.3	459.5	2,241.2	2,052.6	188.67	11.879	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	74.32	30.8	109.8	114.1				
100.0	100.0	100.0	100.0	0.1	0.1	74.32	30.8	109.8	114.1	113.8	0.26	445.121	
200.0	200.0	200.0	200.0	0.5	0.5	74.32	30.8	109.8	114.1	113.1	0.97	117.224	
300.0	300.0	300.0	300.0	0.8	0.8	74.32	30.8	109.8	114.1	112.4	1.69	67.500	
400.0	400.0	400.0	400.0	1.2	1.2	74.32	30.8	109.8	114.1	111.7	2.41	47.396	
500.0	500.0	500.0	500.0	1.6	1.6	74.32	30.8	109.8	114.1	111.0	3.12	36.519	
600.0	600.0	600.0	600.0	1.9	1.9	74.32	30.8	109.8	114.1	110.2	3.84	29.702	
700.0	700.0	700.0	700.0	2.3	2.3	74.32	30.8	109.8	114.1	109.5	4.56	25.030	
800.0	800.0	800.0	800.0	2.6	2.6	74.32	30.8	109.8	114.1	108.8	5.27	21.628	
900.0	900.0	900.0	900.0	3.0	3.0	74.32	30.8	109.8	114.1	108.1	5.99	19.041	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	74.32	30.8	109.8	114.1	107.4	6.71	17.006	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	74.32	30.8	109.8	114.1	106.7	7.43	15.364	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	74.32	30.8	109.8	114.1	105.9	8.14	14.011	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	74.32	30.8	109.8	114.1	105.2	8.86	12.877	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	74.32	30.8	109.8	114.1	104.5	9.58	11.913	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	74.32	30.8	109.8	114.1	103.8	10.29	11.083	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	74.32	30.8	109.8	114.1	103.1	11.01	10.362	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	74.32	30.8	109.8	114.1	102.4	11.73	9.728	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	74.32	30.8	109.8	114.1	101.6	12.44	9.168	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	74.32	30.8	109.8	114.1	100.9	13.16	8.668	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	74.32	30.8	109.8	114.1	100.2	13.88	8.221	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	74.32	30.8	109.8	114.1	99.5	14.60	7.817	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	74.32	30.8	109.8	114.1	98.8	15.31	7.451	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	74.32	30.8	109.8	114.1	98.1	16.03	7.118	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	74.32	30.8	109.8	114.1	97.3	16.75	6.813	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	74.32	30.8	109.8	114.1	96.6	17.46	6.533	CC
2,600.0	2,600.0	2,600.0	2,600.0	9.1	9.1	115.16	30.8	109.8	114.5	96.3	18.18	6.297	
2,700.0	2,700.0	2,700.0	2,700.0	9.4	9.4	116.32	30.8	109.8	115.6	96.7	18.89	6.119	
2,800.0	2,799.9	2,800.1	2,799.9	9.8	9.8	118.21	30.8	109.8	117.6	98.0	19.60	5.999	
2,900.0	2,899.7	2,900.3	2,899.7	10.2	10.2	120.73	30.8	109.8	120.6	100.3	20.32	5.936	
3,000.0	2,999.4	2,999.4	2,999.4	10.5	10.5	123.79	30.8	109.8	124.8	103.8	21.03	5.935	
3,100.0	3,098.9	3,100.2	3,100.2	10.9	10.9	126.98	31.5	109.3	129.9	108.1	21.74	5.974	
3,200.0	3,198.3	3,201.3	3,201.2	11.2	11.2	129.90	33.6	107.6	135.3	112.9	22.45	6.028	
3,300.0	3,297.4	3,302.5	3,302.4	11.6	11.6	132.58	37.0	104.8	141.1	118.0	23.16	6.094	
3,400.0	3,396.4	3,403.9	3,403.6	12.0	12.0	134.82	41.8	100.8	146.6	122.7	23.87	6.142	
3,500.0	3,495.5	3,505.6	3,504.9	12.3	12.3	136.43	48.1	95.7	151.0	126.5	24.58	6.145	
3,600.0	3,594.5	3,607.5	3,606.3	12.7	12.7	137.49	55.7	89.4	154.3	129.0	25.28	6.102	
3,700.0	3,693.5	3,709.4	3,707.6	13.1	13.1	138.06	64.7	82.0	156.2	130.2	25.98	6.012	
3,800.0	3,792.5	3,811.2	3,808.5	13.5	13.4	138.17	75.1	73.5	156.9	130.2	26.69	5.879	
3,900.0	3,891.6	3,911.2	3,907.6	13.9	13.8	138.10	85.9	64.6	157.1	129.7	27.42	5.729	
4,000.0	3,990.6	4,011.2	4,006.6	14.2	14.2	138.03	96.7	55.8	157.3	129.1	28.15	5.586	
4,100.0	4,089.6	4,111.2	4,105.6	14.6	14.5	137.96	107.4	47.0	157.4	128.5	28.89	5.450	
4,200.0	4,188.6	4,211.2	4,204.6	15.0	14.9	137.89	118.2	38.1	157.6	128.0	29.62	5.321	
4,300.0	4,287.7	4,311.2	4,303.7	15.4	15.3	137.82	128.9	29.3	157.8	127.4	30.36	5.197	
4,400.0	4,386.7	4,411.2	4,402.7	15.8	15.7	137.76	139.7	20.5	158.0	126.9	31.10	5.078	
4,500.0	4,485.7	4,511.2	4,501.7	16.2	16.1	137.69	150.4	11.6	158.1	126.3	31.85	4.965	
4,600.0	4,584.8	4,611.2	4,600.8	16.6	16.4	137.62	161.2	2.8	158.3	125.7	32.59	4.857	
4,700.0	4,683.8	4,711.2	4,699.8	17.0	16.8	137.55	171.9	-6.0	158.5	125.1	33.34	4.753	
4,800.0	4,782.8	4,811.2	4,798.8	17.4	17.2	137.48	182.7	-14.9	158.7	124.6	34.09	4.654	
4,900.0	4,881.8	4,911.2	4,897.8	17.8	17.6	137.42	193.5	-23.7	158.8	124.0	34.84	4.558	
5,000.0	4,980.9	5,011.2	4,996.9	18.2	18.0	137.35	204.2	-32.5	159.0	123.4	35.60	4.467	
5,100.0	5,079.9	5,111.2	5,095.9	18.6	18.4	137.28	215.0	-41.4	159.2	122.8	36.35	4.379	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,211.2	5,194.9	19.0	18.8	137.21	225.7	-50.2	159.4	122.2	37.11	4.294	
5,300.0	5,277.9	5,311.2	5,293.9	19.4	19.2	137.15	236.5	-59.0	159.5	121.7	37.87	4.213	
5,400.0	5,377.0	5,411.2	5,393.0	19.8	19.6	137.08	247.2	-67.9	159.7	121.1	38.62	4.135	
5,500.0	5,476.0	5,511.2	5,492.0	20.2	20.0	137.01	258.0	-76.7	159.9	120.5	39.38	4.060	
5,600.0	5,575.0	5,611.2	5,591.0	20.6	20.3	136.95	268.7	-85.5	160.1	119.9	40.15	3.987	
5,700.0	5,674.0	5,711.2	5,690.0	21.0	20.7	136.88	279.5	-94.3	160.2	119.3	40.91	3.917	
5,800.0	5,773.1	5,811.2	5,789.1	21.4	21.1	136.81	290.3	-103.2	160.4	118.7	41.67	3.850	
5,900.0	5,872.1	5,911.2	5,888.1	21.8	21.5	136.75	301.0	-112.0	160.6	118.2	42.44	3.784	
6,000.0	5,971.1	6,011.2	5,987.1	22.2	21.9	136.68	311.8	-120.8	160.8	117.6	43.20	3.721	
6,100.0	6,070.2	6,111.2	6,086.1	22.6	22.3	136.62	322.5	-129.7	160.9	117.0	43.97	3.661	
6,199.8	6,169.0	6,211.0	6,185.0	23.0	22.7	136.55	333.3	-138.5	161.1	116.4	44.73	3.602	
6,300.0	6,268.4	6,311.2	6,284.2	23.4	23.1	136.15	344.0	-147.3	160.4	114.8	45.51	3.523	
6,400.0	6,367.9	6,409.7	6,381.7	23.8	23.5	135.18	354.4	-155.8	158.0	111.7	46.31	3.411	
6,500.0	6,467.6	6,506.8	6,478.3	24.2	23.9	134.10	362.9	-162.8	155.4	108.2	47.10	3.298	
6,600.0	6,567.5	6,604.1	6,575.2	24.5	24.3	132.98	369.5	-168.2	152.7	104.8	47.87	3.190	
6,700.0	6,667.5	6,701.5	6,672.3	24.9	24.6	131.81	374.2	-172.1	150.0	101.4	48.61	3.087	
6,733.1	6,700.6	6,733.7	6,704.6	25.0	24.8	90.97	375.3	-173.0	149.1	100.3	48.84	3.054	
6,800.0	6,767.5	6,799.0	6,769.7	25.2	25.0	90.33	377.0	-174.4	147.7	98.4	49.32	2.996	
6,900.0	6,867.5	6,903.3	6,867.5	25.6	25.4	89.99	377.9	-175.1	147.0	97.0	50.01	2.939	
7,000.0	6,967.5	7,003.3	6,967.5	25.9	25.7	89.99	377.9	-175.1	147.0	96.3	50.71	2.899	
7,100.0	7,067.5	7,103.3	7,067.5	26.2	26.0	89.99	377.9	-175.1	147.0	95.6	51.40	2.860	
7,200.0	7,167.5	7,203.3	7,167.5	26.6	26.4	89.99	377.9	-175.1	147.0	94.9	52.09	2.822	
7,300.0	7,267.5	7,303.3	7,267.5	26.9	26.7	89.99	377.9	-175.1	147.0	94.2	52.78	2.785	
7,400.0	7,367.5	7,403.3	7,367.5	27.3	27.1	89.99	377.9	-175.1	147.0	93.5	53.48	2.749	
7,500.0	7,467.5	7,503.3	7,467.5	27.6	27.4	89.99	377.9	-175.1	147.0	92.8	54.17	2.714	
7,600.0	7,567.5	7,603.3	7,567.5	27.9	27.8	89.99	377.9	-175.1	147.0	92.1	54.87	2.679	
7,700.0	7,667.5	7,703.3	7,667.5	28.3	28.1	89.99	377.9	-175.1	147.0	91.4	55.56	2.646	
7,800.0	7,767.5	7,803.3	7,767.5	28.6	28.5	89.99	377.9	-175.1	147.0	90.7	56.26	2.613	
7,900.0	7,867.5	7,903.3	7,867.5	29.0	28.8	89.99	377.9	-175.1	147.0	90.0	56.96	2.581	
8,000.0	7,967.5	8,003.3	7,967.5	29.3	29.1	89.99	377.9	-175.1	147.0	89.3	57.65	2.550	
8,100.0	8,067.5	8,103.3	8,067.5	29.7	29.5	89.99	377.9	-175.1	147.0	88.6	58.35	2.519	
8,200.0	8,167.5	8,203.3	8,167.5	30.0	29.8	89.99	377.9	-175.1	147.0	87.9	59.05	2.489	
8,300.0	8,267.5	8,303.3	8,267.5	30.4	30.2	89.99	377.9	-175.1	147.0	87.2	59.75	2.460	
8,400.0	8,367.5	8,403.3	8,367.5	30.7	30.5	89.99	377.9	-175.1	147.0	86.5	60.45	2.432	
8,500.0	8,467.5	8,503.3	8,467.5	31.0	30.9	89.99	377.9	-175.1	147.0	85.8	61.15	2.404	
8,600.0	8,567.5	8,603.3	8,567.5	31.4	31.2	89.99	377.9	-175.1	147.0	85.1	61.85	2.377	
8,700.0	8,667.5	8,703.3	8,667.5	31.7	31.6	89.99	377.9	-175.1	147.0	84.4	62.55	2.350	
8,800.0	8,767.5	8,796.7	8,767.5	32.1	31.9	89.99	377.9	-175.1	147.0	83.8	63.23	2.325	
8,900.0	8,867.5	8,898.7	8,869.0	32.4	32.2	93.49	368.9	-176.2	146.2	82.4	63.81	2.292	
8,940.7	8,908.2	8,938.9	8,908.2	32.6	32.3	96.80	360.6	-177.2	146.0	82.0	63.95	2.282	ES, SF
9,000.0	8,967.5	8,994.7	8,961.6	32.8	32.5	103.17	344.4	-179.1	147.0	83.0	64.01	2.296	
9,100.0	9,067.5	9,080.5	9,039.9	33.1	32.6	116.12	309.7	-183.2	157.1	94.0	63.10	2.490	
9,200.0	9,167.5	9,154.4	9,102.5	33.5	32.8	128.56	270.8	-187.9	183.5	123.4	60.15	3.051	
9,300.0	9,267.5	9,216.8	9,151.1	33.8	32.9	138.37	232.0	-192.5	227.2	171.4	55.82	4.070	
9,400.0	9,367.5	9,269.0	9,188.2	34.2	32.9	145.49	195.6	-196.8	284.6	233.2	51.37	5.540	
9,500.0	9,467.5	9,312.6	9,216.7	34.5	33.0	150.57	162.8	-200.8	352.0	304.5	47.45	7.417	
9,600.0	9,567.5	9,350.0	9,238.9	34.9	33.0	154.31	133.0	-204.3	426.3	382.1	44.25	9.636	
9,700.0	9,667.5	9,380.2	9,255.5	35.2	33.0	156.96	107.9	-207.3	505.7	464.3	41.49	12.188	
9,800.0	9,767.5	9,400.0	9,265.6	35.6	33.0	158.53	91.0	-209.3	589.0	550.1	38.83	15.166	
9,900.0	9,867.5	9,429.2	9,279.4	35.9	33.0	160.64	65.5	-212.4	674.9	637.3	37.53	17.980	
10,000.0	9,967.5	9,450.0	9,288.4	36.3	33.0	162.00	46.9	-214.6	763.0	726.8	36.16	21.100	
10,100.0	10,067.5	9,465.8	9,294.8	36.6	33.0	162.96	32.6	-216.3	852.8	817.9	34.92	24.425	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,167.5	9,480.7	9,300.5	37.0	33.0	163.82	18.8	-217.9	944.1	910.1	33.97	27.793	
10,300.0	10,267.5	9,500.0	9,307.3	37.3	33.1	164.85	0.9	-220.1	1,036.5	1,003.0	33.45	30.990	
10,354.5	10,322.0	9,500.0	9,307.3	37.5	33.1	164.85	0.9	-220.1	1,087.2	1,054.4	32.83	33.113	
10,400.0	10,367.4	9,500.0	9,307.3	37.6	33.1	-9.66	0.9	-220.1	1,129.1	1,096.8	32.33	34.926	
10,450.0	10,417.0	9,500.0	9,307.3	37.8	33.1	-8.11	0.9	-220.1	1,173.8	1,142.1	31.71	37.013	
10,500.0	10,465.9	9,521.6	9,314.2	37.9	33.1	-6.49	-19.4	-222.5	1,216.4	1,184.6	31.74	38.326	
10,550.0	10,513.7	9,530.4	9,316.8	38.0	33.1	-5.56	-27.8	-223.5	1,257.2	1,225.9	31.28	40.193	
10,600.0	10,560.0	9,550.0	9,322.1	38.2	33.1	-4.69	-46.5	-225.7	1,296.1	1,265.0	31.09	41.691	
10,650.0	10,604.5	9,550.0	9,322.1	38.3	33.1	-4.27	-46.5	-225.7	1,332.4	1,302.1	30.31	43.960	
10,700.0	10,646.9	9,550.0	9,322.1	38.3	33.1	-3.94	-46.5	-225.7	1,366.7	1,337.1	29.56	46.231	
10,750.0	10,686.8	9,571.9	9,327.3	38.4	33.2	-3.42	-67.6	-228.2	1,398.0	1,368.7	29.34	47.649	
10,800.0	10,723.9	9,583.5	9,329.7	38.5	33.2	-3.10	-78.8	-229.6	1,426.9	1,398.0	28.88	49.412	
10,850.0	10,758.0	9,600.0	9,332.7	38.5	33.3	-2.79	-95.0	-231.5	1,453.1	1,424.5	28.53	50.924	
10,900.0	10,788.7	9,600.0	9,332.7	38.6	33.3	-2.66	-95.0	-231.5	1,476.4	1,448.5	27.93	52.854	
10,950.0	10,815.9	9,620.0	9,335.8	38.6	33.3	-2.40	-114.7	-233.8	1,496.7	1,469.0	27.72	53.989	
11,000.0	10,839.3	9,632.7	9,337.3	38.6	33.3	-2.23	-127.2	-235.3	1,514.1	1,486.6	27.45	55.155	
11,050.0	10,858.8	9,650.0	9,339.0	38.7	33.4	-2.04	-144.2	-237.4	1,528.5	1,501.2	27.30	55.991	
11,100.0	10,874.2	9,650.0	9,339.0	38.7	33.4	-2.00	-144.2	-237.4	1,539.8	1,512.7	27.08	56.866	
11,150.0	10,885.4	9,671.8	9,340.4	38.7	33.5	-1.82	-165.8	-239.9	1,547.8	1,520.7	27.12	57.076	
11,200.0	10,892.4	9,697.2	9,341.0	38.8	33.5	-1.64	-191.1	-243.0	1,553.0	1,525.8	27.23	57.028	
11,254.5	10,895.0	9,705.3	9,341.0	38.9	33.6	-1.58	-199.1	-243.9	1,554.6	1,527.2	27.39	56.763	
11,300.0	10,895.0	9,749.5	9,341.0	39.0	33.7	-1.32	-243.1	-248.7	1,554.4	1,526.8	27.62	56.274	
11,407.5	10,895.0	9,855.2	9,341.0	39.3	34.1	-0.90	-348.4	-257.3	1,554.2	1,526.0	28.23	55.048	
11,500.0	10,895.0	9,946.9	9,341.0	39.6	34.5	-0.72	-440.0	-261.7	1,554.1	1,525.3	28.82	53.917	
11,600.0	10,895.0	10,046.3	9,341.0	40.0	34.9	-0.64	-539.3	-263.1	1,554.1	1,524.6	29.52	52.648	
11,638.7	10,895.0	10,085.0	9,341.0	40.2	35.1	-0.64	-578.0	-262.8	1,554.1	1,524.3	29.81	52.137	
11,700.0	10,895.0	10,146.2	9,341.0	40.5	35.5	-0.64	-639.3	-262.4	1,554.1	1,523.8	30.28	51.325	
11,800.0	10,895.0	10,246.2	9,341.0	41.0	36.1	-0.64	-739.3	-261.6	1,554.1	1,523.0	31.10	49.975	
11,900.0	10,895.0	10,346.2	9,341.0	41.6	36.7	-0.64	-839.3	-260.8	1,554.1	1,522.1	31.97	48.608	
12,000.0	10,895.0	10,446.2	9,341.0	42.2	37.5	-0.64	-939.2	-260.0	1,554.1	1,521.2	32.90	47.240	
12,100.0	10,895.0	10,546.2	9,341.0	42.9	38.2	-0.64	-1,039.2	-259.3	1,554.1	1,520.2	33.87	45.883	
12,200.0	10,895.0	10,646.2	9,341.0	43.6	39.1	-0.64	-1,139.2	-258.5	1,554.1	1,519.2	34.89	44.546	
12,300.0	10,895.0	10,746.2	9,341.0	44.4	39.9	-0.64	-1,239.2	-257.7	1,554.1	1,518.2	35.94	43.238	
12,400.0	10,895.0	10,846.2	9,341.0	45.2	40.9	-0.64	-1,339.2	-257.0	1,554.1	1,517.1	37.03	41.963	
12,500.0	10,895.0	10,946.2	9,341.0	46.1	41.8	-0.64	-1,439.2	-256.2	1,554.1	1,515.9	38.16	40.726	
12,600.0	10,895.0	11,046.2	9,341.0	47.0	42.9	-0.64	-1,539.2	-255.4	1,554.1	1,514.8	39.31	39.530	
12,700.0	10,895.0	11,146.2	9,341.0	48.0	43.9	-0.64	-1,639.2	-254.7	1,554.1	1,513.6	40.50	38.376	
12,800.0	10,895.0	11,246.2	9,341.0	49.0	45.0	-0.64	-1,739.2	-253.9	1,554.1	1,512.4	41.70	37.265	
12,900.0	10,895.0	11,346.2	9,341.0	50.0	46.1	-0.64	-1,839.2	-253.1	1,554.1	1,511.2	42.94	36.196	
13,000.0	10,895.0	11,446.2	9,341.0	51.1	47.3	-0.64	-1,939.2	-252.4	1,554.1	1,509.9	44.19	35.171	
13,100.0	10,895.0	11,546.2	9,341.0	52.2	48.5	-0.64	-2,039.2	-251.6	1,554.1	1,508.6	45.46	34.187	
13,200.0	10,895.0	11,646.2	9,341.0	53.3	49.7	-0.64	-2,139.2	-250.8	1,554.1	1,507.3	46.75	33.244	
13,300.0	10,895.0	11,746.2	9,341.0	54.4	50.9	-0.63	-2,239.2	-250.1	1,554.1	1,506.0	48.05	32.341	
13,400.0	10,895.0	11,846.2	9,341.0	55.6	52.1	-0.63	-2,339.2	-249.3	1,554.1	1,504.7	49.37	31.476	
13,500.0	10,895.0	11,946.2	9,341.0	56.8	53.4	-0.63	-2,439.2	-248.5	1,554.1	1,503.4	50.71	30.647	
13,600.0	10,895.0	12,046.2	9,341.0	58.0	54.7	-0.63	-2,539.2	-247.8	1,554.1	1,502.0	52.06	29.853	
13,700.0	10,895.0	12,146.2	9,341.0	59.2	56.0	-0.63	-2,639.2	-247.0	1,554.1	1,500.7	53.42	29.093	
13,800.0	10,895.0	12,246.2	9,341.0	60.5	57.4	-0.63	-2,739.2	-246.2	1,554.1	1,499.3	54.79	28.365	
13,900.0	10,895.0	12,346.2	9,341.0	61.8	58.7	-0.63	-2,839.2	-245.4	1,554.1	1,497.9	56.17	27.668	
14,000.0	10,895.0	12,446.2	9,341.0	63.1	60.1	-0.63	-2,939.2	-244.7	1,554.1	1,496.5	57.56	26.999	
14,100.0	10,895.0	12,546.2	9,341.0	64.4	61.5	-0.63	-3,039.2	-243.9	1,554.1	1,495.1	58.96	26.358	
14,200.0	10,895.0	12,646.2	9,341.0	65.7	62.8	-0.63	-3,139.2	-243.1	1,554.1	1,493.7	60.37	25.743	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	12,746.2	9,341.0	67.0	64.2	-0.63	-3,239.2	-242.4	1,554.1	1,492.3	61.78	25.153	
14,400.0	10,895.0	12,846.2	9,341.0	68.4	65.7	-0.63	-3,339.2	-241.6	1,554.1	1,490.9	63.21	24.587	
14,500.0	10,895.0	12,946.2	9,341.0	69.8	67.1	-0.63	-3,439.2	-240.8	1,554.1	1,489.5	64.64	24.043	
14,600.0	10,895.0	13,046.2	9,341.0	71.1	68.5	-0.63	-3,539.2	-240.1	1,554.1	1,488.0	66.07	23.521	
14,700.0	10,895.0	13,146.2	9,341.0	72.5	70.0	-0.63	-3,639.2	-239.3	1,554.1	1,486.6	67.52	23.018	
14,800.0	10,895.0	13,246.2	9,341.0	73.9	71.4	-0.63	-3,739.2	-238.5	1,554.1	1,485.1	68.96	22.535	
14,900.0	10,895.0	13,346.2	9,341.0	75.3	72.9	-0.63	-3,839.2	-237.8	1,554.1	1,483.7	70.42	22.070	
15,000.0	10,895.0	13,446.2	9,341.0	76.7	74.3	-0.63	-3,939.2	-237.0	1,554.1	1,482.2	71.87	21.623	
15,100.0	10,895.0	13,546.2	9,341.0	78.2	75.8	-0.63	-4,039.2	-236.2	1,554.1	1,480.8	73.34	21.192	
15,200.0	10,895.0	13,646.2	9,341.0	79.6	77.3	-0.63	-4,139.2	-235.5	1,554.1	1,479.3	74.80	20.776	
15,300.0	10,895.0	13,746.2	9,341.0	81.1	78.8	-0.63	-4,239.2	-234.7	1,554.1	1,477.8	76.27	20.376	
15,400.0	10,895.0	13,846.2	9,341.0	82.5	80.3	-0.63	-4,339.1	-233.9	1,554.1	1,476.3	77.75	19.989	
15,500.0	10,895.0	13,946.2	9,341.0	84.0	81.8	-0.63	-4,439.1	-233.2	1,554.1	1,474.9	79.22	19.616	
15,600.0	10,895.0	14,046.2	9,341.0	85.4	83.3	-0.63	-4,539.1	-232.4	1,554.1	1,473.4	80.71	19.256	
15,700.0	10,895.0	14,146.2	9,341.0	86.9	84.8	-0.63	-4,639.1	-231.6	1,554.1	1,471.9	82.19	18.908	
15,800.0	10,895.0	14,246.2	9,341.0	88.4	86.3	-0.63	-4,739.1	-230.9	1,554.1	1,470.4	83.68	18.572	
15,900.0	10,895.0	14,346.2	9,341.0	89.9	87.8	-0.63	-4,839.1	-230.1	1,554.1	1,468.9	85.17	18.247	
16,000.0	10,895.0	14,446.2	9,341.0	91.4	89.4	-0.63	-4,939.1	-229.3	1,554.1	1,467.4	86.66	17.933	
16,100.0	10,895.0	14,546.2	9,341.0	92.8	90.9	-0.63	-5,039.1	-228.5	1,554.1	1,465.9	88.16	17.628	
16,200.0	10,895.0	14,646.2	9,341.0	94.3	92.4	-0.63	-5,139.1	-227.8	1,554.1	1,464.4	89.66	17.333	
16,300.0	10,895.0	14,746.2	9,341.0	95.9	94.0	-0.63	-5,239.1	-227.0	1,554.1	1,462.9	91.16	17.048	
16,400.0	10,895.0	14,846.2	9,341.0	97.4	95.5	-0.63	-5,339.1	-226.2	1,554.1	1,461.4	92.66	16.771	
16,500.0	10,895.0	14,946.2	9,341.0	98.9	97.1	-0.63	-5,439.1	-225.5	1,554.1	1,459.9	94.17	16.503	
16,600.0	10,895.0	15,046.2	9,341.0	100.4	98.6	-0.63	-5,539.1	-224.7	1,554.1	1,458.4	95.68	16.243	
16,700.0	10,895.0	15,146.2	9,341.0	101.9	100.2	-0.63	-5,639.1	-223.9	1,554.1	1,456.9	97.19	15.991	
16,800.0	10,895.0	15,246.2	9,341.0	103.4	101.7	-0.63	-5,739.1	-223.2	1,554.1	1,455.4	98.70	15.746	
16,900.0	10,895.0	15,346.2	9,341.0	105.0	103.3	-0.63	-5,839.1	-222.4	1,554.1	1,453.9	100.21	15.508	
17,000.0	10,895.0	15,446.2	9,341.0	106.5	104.8	-0.63	-5,939.1	-221.6	1,554.1	1,452.4	101.73	15.277	
17,100.0	10,895.0	15,546.2	9,341.0	108.1	106.4	-0.63	-6,039.1	-220.9	1,554.1	1,450.9	103.24	15.053	
17,200.0	10,895.0	15,646.2	9,341.0	109.6	108.0	-0.63	-6,139.1	-220.1	1,554.1	1,449.3	104.76	14.835	
17,300.0	10,895.0	15,746.2	9,341.0	111.1	109.5	-0.63	-6,239.1	-219.3	1,554.1	1,447.8	106.28	14.623	
17,400.0	10,895.0	15,846.2	9,341.0	112.7	111.1	-0.63	-6,339.1	-218.6	1,554.1	1,446.3	107.80	14.416	
17,500.0	10,895.0	15,946.2	9,341.0	114.2	112.7	-0.63	-6,439.1	-217.8	1,554.1	1,444.8	109.32	14.216	
17,600.0	10,895.0	16,046.2	9,341.0	115.8	114.3	-0.63	-6,539.1	-217.0	1,554.1	1,443.2	110.85	14.020	
17,700.0	10,895.0	16,146.2	9,341.0	117.3	115.8	-0.63	-6,639.1	-216.3	1,554.1	1,441.7	112.37	13.830	
17,800.0	10,895.0	16,246.2	9,341.0	118.9	117.4	-0.63	-6,739.1	-215.5	1,554.1	1,440.2	113.90	13.645	
17,900.0	10,895.0	16,346.2	9,341.0	120.5	119.0	-0.63	-6,839.1	-214.7	1,554.1	1,438.7	115.43	13.464	
18,000.0	10,895.0	16,446.2	9,341.0	122.0	120.6	-0.63	-6,939.1	-214.0	1,554.1	1,437.1	116.95	13.288	
18,100.0	10,895.0	16,546.2	9,341.0	123.6	122.2	-0.63	-7,039.1	-213.2	1,554.1	1,435.6	118.48	13.116	
18,200.0	10,895.0	16,646.2	9,341.0	125.1	123.8	-0.63	-7,139.1	-212.4	1,554.1	1,434.1	120.01	12.949	
18,300.0	10,895.0	16,746.2	9,341.0	126.7	125.3	-0.63	-7,239.1	-211.6	1,554.1	1,432.5	121.55	12.786	
18,400.0	10,895.0	16,846.2	9,341.0	128.3	126.9	-0.63	-7,339.1	-210.9	1,554.1	1,431.0	123.08	12.627	
18,500.0	10,895.0	16,946.2	9,341.0	129.9	128.5	-0.63	-7,439.1	-210.1	1,554.1	1,429.5	124.61	12.471	
18,600.0	10,895.0	17,046.2	9,341.0	131.4	130.1	-0.63	-7,539.1	-209.3	1,554.1	1,427.9	126.15	12.320	
18,700.0	10,895.0	17,146.2	9,341.0	133.0	131.7	-0.63	-7,639.1	-208.6	1,554.1	1,426.4	127.68	12.172	
18,800.0	10,895.0	17,246.2	9,341.0	134.6	133.3	-0.63	-7,739.0	-207.8	1,554.1	1,424.9	129.22	12.027	
18,900.0	10,895.0	17,346.2	9,341.0	136.2	134.9	-0.63	-7,839.0	-207.0	1,554.1	1,423.3	130.76	11.886	
19,000.0	10,895.0	17,446.2	9,341.0	137.7	136.5	-0.63	-7,939.0	-206.3	1,554.1	1,421.8	132.29	11.747	
19,100.0	10,895.0	17,546.2	9,341.0	139.3	138.1	-0.63	-8,039.0	-205.5	1,554.1	1,420.3	133.83	11.612	
19,200.0	10,895.0	17,646.2	9,341.0	140.9	139.7	-0.63	-8,139.0	-204.7	1,554.1	1,418.7	135.37	11.480	
19,300.0	10,895.0	17,746.2	9,341.0	142.5	141.3	-0.63	-8,239.0	-204.0	1,554.1	1,417.2	136.91	11.351	
19,400.0	10,895.0	17,846.2	9,341.0	144.1	142.9	-0.63	-8,339.0	-203.2	1,554.1	1,415.6	138.45	11.225	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	17,946.2	9,341.0	145.7	144.5	-0.63	-8,439.0	-202.4	1,554.1	1,414.1	139.99	11.101	
19,600.0	10,895.0	18,046.2	9,341.0	147.3	146.1	-0.63	-8,539.0	-201.7	1,554.1	1,412.6	141.53	10.980	
19,700.0	10,895.0	18,146.2	9,341.0	148.9	147.7	-0.63	-8,639.0	-200.9	1,554.1	1,411.0	143.08	10.862	
19,800.0	10,895.0	18,246.2	9,341.0	150.5	149.3	-0.63	-8,739.0	-200.1	1,554.1	1,409.5	144.62	10.746	
19,900.0	10,895.0	18,346.2	9,341.0	152.0	150.9	-0.63	-8,839.0	-199.4	1,554.1	1,407.9	146.16	10.633	
20,000.0	10,895.0	18,446.2	9,341.0	153.6	152.5	-0.63	-8,939.0	-198.6	1,554.1	1,406.4	147.71	10.521	
20,100.0	10,895.0	18,546.2	9,341.0	155.2	154.1	-0.63	-9,039.0	-197.8	1,554.1	1,404.8	149.25	10.413	
20,200.0	10,895.0	18,646.2	9,341.0	156.8	155.8	-0.63	-9,139.0	-197.0	1,554.1	1,403.3	150.80	10.306	
20,300.0	10,895.0	18,746.2	9,341.0	158.4	157.4	-0.63	-9,239.0	-196.3	1,554.1	1,401.8	152.34	10.201	
20,400.0	10,895.0	18,846.2	9,341.0	160.0	159.0	-0.63	-9,339.0	-195.5	1,554.1	1,400.2	153.89	10.099	
20,500.0	10,895.0	18,946.2	9,341.0	161.6	160.6	-0.63	-9,439.0	-194.7	1,554.1	1,398.7	155.44	9.998	
20,600.0	10,895.0	19,046.2	9,341.0	163.2	162.2	-0.63	-9,539.0	-194.0	1,554.1	1,397.1	156.98	9.900	
20,700.0	10,895.0	19,146.2	9,341.0	164.8	163.8	-0.63	-9,639.0	-193.2	1,554.1	1,395.6	158.53	9.803	
20,800.0	10,895.0	19,246.2	9,341.0	166.4	165.4	-0.63	-9,739.0	-192.4	1,554.1	1,394.0	160.08	9.708	
20,900.0	10,895.0	19,346.2	9,341.0	168.0	167.0	-0.63	-9,839.0	-191.7	1,554.1	1,392.5	161.63	9.615	
21,000.0	10,895.0	19,446.2	9,341.0	169.6	168.7	-0.63	-9,939.0	-190.9	1,554.1	1,390.9	163.18	9.524	
21,100.0	10,895.0	19,546.2	9,341.0	171.2	170.3	-0.63	-10,039.0	-190.1	1,554.1	1,389.4	164.73	9.434	
21,194.3	10,895.0	19,640.6	9,341.0	172.8	171.8	-0.63	-10,133.3	-189.4	1,554.1	1,387.9	166.19	9.351	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #122H - 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	-0.36	30.1	-0.2	30.1				
100.0	100.0	100.0	100.0	0.1	0.1	-0.36	30.1	-0.2	30.1	29.8	0.26	117.381	
200.0	200.0	200.0	200.0	0.5	0.5	-0.36	30.1	-0.2	30.1	29.1	0.97	30.913	
300.0	300.0	300.0	300.0	0.8	0.8	-0.36	30.1	-0.2	30.1	28.4	1.69	17.800	
400.0	400.0	400.0	400.0	1.2	1.2	-0.36	30.1	-0.2	30.1	27.7	2.41	12.499	
500.0	500.0	500.0	500.0	1.6	1.6	-0.36	30.1	-0.2	30.1	27.0	3.12	9.630	
600.0	600.0	600.0	600.0	1.9	1.9	-0.36	30.1	-0.2	30.1	26.2	3.84	7.833	
700.0	700.0	700.0	700.0	2.3	2.3	-0.36	30.1	-0.2	30.1	25.5	4.56	6.601	
800.0	800.0	800.0	800.0	2.6	2.6	-0.36	30.1	-0.2	30.1	24.8	5.27	5.704	
900.0	900.0	900.0	900.0	3.0	3.0	-0.36	30.1	-0.2	30.1	24.1	5.99	5.021	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-0.36	30.1	-0.2	30.1	23.4	6.71	4.485	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	-0.36	30.1	-0.2	30.1	22.7	7.43	4.052	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	-0.36	30.1	-0.2	30.1	21.9	8.14	3.695	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-0.36	30.1	-0.2	30.1	21.2	8.86	3.396	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	-0.36	30.1	-0.2	30.1	20.5	9.58	3.142	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	-0.36	30.1	-0.2	30.1	19.8	10.29	2.923	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	-0.36	30.1	-0.2	30.1	19.1	11.01	2.732	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	-0.36	30.1	-0.2	30.1	18.4	11.73	2.565	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	-0.36	30.1	-0.2	30.1	17.6	12.44	2.418	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	-0.36	30.1	-0.2	30.1	16.9	13.16	2.286	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	-0.36	30.1	-0.2	30.1	16.2	13.88	2.168	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	-0.36	30.1	-0.2	30.1	15.5	14.60	2.061	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	-0.36	30.1	-0.2	30.1	14.8	15.31	1.965	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	-0.36	30.1	-0.2	30.1	14.1	16.03	1.877	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	-0.36	30.1	-0.2	30.1	13.3	16.75	1.797	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	-0.36	30.1	-0.2	30.1	12.6	17.46	1.723 CC	
2,600.0	2,600.0	2,599.5	2,599.5	9.1	9.1	40.70	30.9	-0.4	30.3	12.1	18.17	1.665	
2,700.0	2,700.0	2,699.0	2,698.9	9.4	9.4	42.51	33.4	-1.1	30.8	11.9	18.88	1.631 ES	
2,800.0	2,799.9	2,798.5	2,798.3	9.8	9.8	45.37	37.6	-2.3	31.7	12.2	19.58	1.621 SF	
2,900.0	2,899.7	2,897.9	2,897.6	10.2	10.2	49.09	43.4	-4.0	33.2	12.9	20.27	1.637	
3,000.0	2,999.4	2,997.3	2,996.7	10.5	10.5	53.39	50.8	-6.2	35.2	14.3	20.97	1.681	
3,100.0	3,098.9	3,096.7	3,095.6	10.9	10.9	57.98	59.9	-8.8	38.0	16.3	21.67	1.753	
3,200.0	3,198.3	3,196.0	3,194.3	11.2	11.2	62.57	70.7	-11.9	41.5	19.1	22.37	1.855	
3,300.0	3,297.4	3,304.7	3,292.7	11.6	11.6	66.96	83.0	-15.4	45.8	22.7	23.12	1.983	
3,400.0	3,396.4	3,404.9	3,391.6	12.0	12.0	70.78	96.4	-19.3	50.8	26.9	23.87	2.127	
3,500.0	3,495.5	3,494.9	3,490.4	12.3	12.3	73.91	109.7	-23.1	55.9	31.3	24.58	2.273	
3,600.0	3,594.5	3,605.2	3,589.3	12.7	12.7	76.51	123.1	-26.9	61.1	35.7	25.38	2.409	
3,700.0	3,693.5	3,705.4	3,688.1	13.1	13.1	78.70	136.4	-30.8	66.5	40.3	26.14	2.543	
3,800.0	3,792.5	3,805.6	3,787.0	13.5	13.5	80.56	149.8	-34.6	71.9	45.0	26.90	2.673	
3,900.0	3,891.6	3,905.8	3,885.9	13.9	13.9	82.16	163.1	-38.5	77.4	49.7	27.67	2.798	
4,000.0	3,990.6	4,005.9	3,984.7	14.2	14.3	83.54	176.5	-42.3	83.0	54.5	28.44	2.917	
4,100.0	4,089.6	4,106.1	4,083.6	14.6	14.7	84.75	189.9	-46.2	88.6	59.3	29.21	3.032	
4,200.0	4,188.6	4,206.3	4,182.4	15.0	15.0	85.81	203.2	-50.0	94.2	64.2	29.99	3.141	
4,300.0	4,287.7	4,306.5	4,281.3	15.4	15.4	86.76	216.6	-53.8	99.8	69.1	30.76	3.245	
4,400.0	4,386.7	4,393.4	4,380.1	15.8	15.8	87.60	229.9	-57.7	105.5	74.0	31.49	3.351	
4,500.0	4,485.7	4,506.8	4,479.0	16.2	16.2	88.36	243.3	-61.5	111.2	78.9	32.33	3.441	
4,600.0	4,584.8	4,607.0	4,577.8	16.6	16.6	89.04	256.6	-65.4	116.9	83.8	33.11	3.532	
4,700.0	4,683.8	4,707.1	4,676.7	17.0	17.0	89.66	270.0	-69.2	122.7	88.8	33.90	3.619	
4,800.0	4,782.8	4,792.7	4,775.6	17.4	17.3	90.23	283.3	-73.0	128.4	93.8	34.63	3.708	
4,900.0	4,881.8	4,907.5	4,874.4	17.8	17.8	90.74	296.7	-76.9	134.2	98.7	35.48	3.782	
5,000.0	4,980.9	5,007.7	4,973.3	18.2	18.2	91.22	310.0	-80.7	140.0	103.7	36.28	3.858	
5,100.0	5,079.9	5,107.8	5,072.1	18.6	18.6	91.65	323.4	-84.6	145.7	108.7	37.07	3.931	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #122H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,192.0	5,171.0	19.0	18.9	92.05	336.7	-88.4	151.5	113.7	37.80	4.008	
5,300.0	5,277.9	5,292.4	5,270.4	19.4	19.3	92.49	350.0	-92.2	157.3	118.6	38.61	4.073	
5,400.0	5,377.0	5,393.7	5,371.1	19.8	19.7	93.61	361.3	-95.5	162.2	122.8	39.42	4.116	
5,500.0	5,476.0	5,495.0	5,471.9	20.2	20.1	95.53	370.0	-98.0	166.4	126.2	40.21	4.138	
5,600.0	5,575.0	5,595.9	5,572.7	20.6	20.5	98.22	376.2	-99.8	170.0	129.0	40.99	4.147	
5,700.0	5,674.0	5,696.5	5,673.1	21.0	20.8	101.62	379.8	-100.8	173.3	131.6	41.75	4.152	
5,800.0	5,773.1	5,803.6	5,773.1	21.4	21.2	105.70	380.8	-101.1	176.9	134.4	42.50	4.161	
5,900.0	5,872.1	5,904.5	5,872.1	21.8	21.6	109.90	380.8	-101.1	181.2	137.9	43.21	4.192	
6,000.0	5,971.1	6,005.5	5,971.1	22.2	21.9	113.89	380.8	-101.1	186.4	142.5	43.91	4.245	
6,100.0	6,070.2	6,106.5	6,070.2	22.6	22.3	117.65	380.8	-101.1	192.5	147.9	44.60	4.316	
6,199.8	6,169.0	6,207.7	6,169.0	23.0	22.6	121.17	380.8	-101.1	199.4	154.1	45.28	4.403	
6,300.0	6,268.4	6,308.3	6,268.4	23.4	23.0	124.24	380.8	-101.1	206.2	160.3	45.95	4.488	
6,400.0	6,367.9	6,408.8	6,367.9	23.8	23.3	126.54	380.8	-101.1	212.1	165.4	46.63	4.548	
6,500.0	6,467.6	6,509.1	6,467.6	24.2	23.7	128.17	380.8	-101.1	216.6	169.2	47.31	4.577	
6,600.0	6,567.5	6,609.2	6,567.5	24.5	24.0	129.18	380.8	-101.1	219.6	171.6	48.00	4.575	
6,700.0	6,667.5	6,709.2	6,667.5	24.9	24.4	129.64	380.8	-101.1	220.9	172.3	48.68	4.538	
6,733.1	6,700.6	6,723.9	6,700.6	25.0	24.4	89.22	380.8	-101.1	221.0	172.2	48.85	4.525	
6,800.0	6,767.5	6,809.2	6,767.5	25.2	24.7	89.22	380.8	-101.1	221.0	171.7	49.38	4.476	
6,900.0	6,867.5	6,909.2	6,867.5	25.6	25.0	89.22	380.8	-101.1	221.0	171.0	50.07	4.415	
7,000.0	6,967.5	7,009.2	6,967.5	25.9	25.4	89.22	380.8	-101.1	221.0	170.3	50.76	4.354	
7,100.0	7,067.5	7,109.2	7,067.5	26.2	25.7	89.22	380.8	-101.1	221.0	169.6	51.46	4.296	
7,200.0	7,167.5	7,209.2	7,167.5	26.6	26.1	89.22	380.8	-101.1	221.0	168.9	52.15	4.238	
7,300.0	7,267.5	7,309.2	7,267.5	26.9	26.4	89.22	380.8	-101.1	221.0	168.2	52.85	4.183	
7,400.0	7,367.5	7,409.2	7,367.5	27.3	26.8	89.22	380.8	-101.1	221.0	167.5	53.54	4.128	
7,500.0	7,467.5	7,509.2	7,467.5	27.6	27.1	89.22	380.8	-101.1	221.0	166.8	54.24	4.075	
7,600.0	7,567.5	7,609.2	7,567.5	27.9	27.5	89.22	380.8	-101.1	221.0	166.1	54.94	4.023	
7,700.0	7,667.5	7,709.2	7,667.5	28.3	27.8	89.22	380.8	-101.1	221.0	165.4	55.63	3.973	
7,800.0	7,767.5	7,809.2	7,767.5	28.6	28.2	89.22	380.8	-101.1	221.0	164.7	56.33	3.924	
7,900.0	7,867.5	7,909.2	7,867.5	29.0	28.5	89.22	380.8	-101.1	221.0	164.0	57.03	3.876	
8,000.0	7,967.5	8,009.2	7,967.5	29.3	28.9	89.22	380.8	-101.1	221.0	163.3	57.73	3.829	
8,100.0	8,067.5	8,109.2	8,067.5	29.7	29.2	89.22	380.8	-101.1	221.0	162.6	58.43	3.783	
8,200.0	8,167.5	8,209.2	8,167.5	30.0	29.6	89.22	380.8	-101.1	221.0	161.9	59.13	3.738	
8,300.0	8,267.5	8,309.2	8,267.5	30.4	29.9	89.22	380.8	-101.1	221.0	161.2	59.83	3.695	
8,400.0	8,367.5	8,409.2	8,367.5	30.7	30.3	89.22	380.8	-101.1	221.0	160.5	60.53	3.652	
8,500.0	8,467.5	8,509.2	8,467.5	31.0	30.7	89.22	380.8	-101.1	221.0	159.8	61.23	3.610	
8,600.0	8,567.5	8,609.2	8,567.5	31.4	31.0	89.22	380.8	-101.1	221.0	159.1	61.93	3.569	
8,700.0	8,667.5	8,709.2	8,667.5	31.7	31.4	89.22	380.8	-101.1	221.0	158.4	62.63	3.529	
8,800.0	8,767.5	8,809.2	8,767.5	32.1	31.7	89.22	380.8	-101.1	221.0	157.7	63.33	3.490	
8,900.0	8,867.5	8,909.2	8,867.5	32.4	32.1	89.22	380.8	-101.1	221.0	157.0	64.03	3.452	
9,000.0	8,967.5	9,009.2	8,967.5	32.8	32.4	89.22	380.8	-101.1	221.0	156.3	64.74	3.414	
9,100.0	9,067.5	9,109.2	9,067.5	33.1	32.8	89.22	380.8	-101.1	221.0	155.6	65.44	3.378	
9,200.0	9,167.5	9,209.2	9,167.5	33.5	33.1	89.22	380.8	-101.1	221.0	154.9	66.14	3.342	
9,300.0	9,267.5	9,290.8	9,267.5	33.8	33.4	89.22	380.8	-101.1	221.0	154.2	66.78	3.310	
9,400.0	9,367.5	9,390.8	9,367.5	34.2	33.8	89.22	380.8	-101.1	221.0	153.5	67.49	3.275	
9,500.0	9,467.5	9,483.7	9,459.9	34.5	34.0	91.14	373.4	-99.7	222.6	154.6	68.00	3.274	
9,600.0	9,567.5	9,571.9	9,545.5	34.9	34.3	96.30	352.8	-95.8	228.8	160.6	68.14	3.357	
9,700.0	9,667.5	9,652.0	9,619.7	35.2	34.4	103.26	323.2	-90.1	243.1	175.7	67.46	3.604	
9,800.0	9,767.5	9,722.6	9,680.9	35.6	34.6	110.46	288.9	-83.5	268.9	203.4	65.52	4.104	
9,900.0	9,867.5	9,783.4	9,729.9	35.9	34.7	116.87	253.6	-76.8	307.5	245.0	62.43	4.925	
10,000.0	9,967.5	9,835.2	9,768.5	36.3	34.8	122.15	219.6	-70.3	357.8	299.0	58.76	6.089	
10,100.0	10,067.5	9,879.2	9,798.6	36.6	34.9	126.35	188.1	-64.3	418.0	362.9	55.07	7.590	
10,200.0	10,167.5	9,916.6	9,822.3	37.0	34.9	129.66	159.7	-58.9	485.8	434.1	51.67	9.401	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #122H - 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	10,267.5	9,950.0	9,841.8	37.3	35.0	132.38	133.0	-53.8	559.5	510.7	48.80	11.465	
10,354.5	10,322.0	9,964.1	9,849.5	37.5	35.0	133.46	121.5	-51.6	601.7	554.5	47.27	12.729	
10,400.0	10,367.4	9,976.8	9,856.3	37.6	35.0	-38.55	110.9	-49.6	637.0	590.8	46.14	13.804	
10,450.0	10,417.0	10,000.0	9,867.9	37.8	35.1	-34.06	91.2	-45.8	674.7	629.3	45.44	14.849	
10,500.0	10,465.9	10,000.0	9,867.9	37.9	35.1	-31.25	91.2	-45.8	710.8	667.4	43.37	16.390	
10,550.0	10,513.7	10,022.6	9,878.5	38.0	35.1	-28.24	71.6	-42.1	745.3	702.7	42.59	17.497	
10,600.0	10,560.0	10,050.0	9,890.3	38.2	35.1	-25.76	47.3	-37.5	778.2	736.1	42.03	18.514	
10,650.0	10,604.5	10,050.0	9,890.3	38.3	35.1	-24.12	47.3	-37.5	808.9	768.7	40.13	20.158	
10,700.0	10,646.9	10,072.6	9,899.1	38.3	35.2	-22.49	26.8	-33.6	837.6	798.2	39.35	21.287	
10,750.0	10,686.8	10,100.0	9,908.6	38.4	35.2	-21.14	1.6	-28.8	864.4	825.6	38.78	22.292	
10,800.0	10,723.9	10,100.0	9,908.6	38.5	35.2	-20.16	1.6	-28.8	888.7	851.6	37.16	23.914	
10,850.0	10,758.0	10,125.4	9,916.4	38.5	35.3	-19.27	-22.2	-24.2	910.8	874.2	36.61	24.879	
10,900.0	10,788.7	10,150.0	9,922.9	38.6	35.3	-18.57	-45.5	-19.8	930.6	894.5	36.07	25.802	
10,950.0	10,815.9	10,150.0	9,922.9	38.6	35.3	-17.98	-45.5	-19.8	948.0	913.1	34.92	27.148	
11,000.0	10,839.3	10,179.9	9,929.3	38.6	35.4	-17.57	-74.1	-14.3	962.7	928.0	34.71	27.732	
11,050.0	10,858.8	10,200.0	9,932.8	38.7	35.5	-17.25	-93.6	-10.6	975.0	940.7	34.37	28.370	
11,100.0	10,874.2	10,216.8	9,935.2	38.7	35.5	-17.03	-109.9	-7.5	984.8	950.7	34.11	28.875	
11,150.0	10,885.4	10,235.3	9,937.3	38.7	35.5	-16.92	-128.0	-4.0	992.0	958.0	34.03	29.148	
11,200.0	10,892.4	10,250.0	9,938.5	38.8	35.6	-16.87	-142.4	-1.3	996.7	962.6	34.10	29.227	
11,254.5	10,895.0	10,274.2	9,939.7	38.9	35.6	-16.97	-166.1	3.2	998.8	964.4	34.42	29.019	
11,300.0	10,895.0	10,292.5	9,940.0	39.0	35.7	-17.09	-184.1	6.7	1,000.0	965.2	34.80	28.732	
11,407.5	10,895.0	10,411.6	9,940.0	39.3	36.0	-17.91	-301.5	26.5	1,004.6	968.8	35.80	28.060	
11,500.0	10,895.0	10,514.9	9,940.0	39.6	36.4	-18.58	-403.9	39.7	1,008.1	971.4	36.68	27.479	
11,600.0	10,895.0	10,627.4	9,940.0	40.0	36.9	-19.08	-516.0	49.8	1,010.7	973.1	37.60	26.879	
11,700.0	10,895.0	10,740.4	9,940.0	40.5	37.5	-19.35	-628.9	55.6	1,012.2	973.7	38.46	26.316	
11,800.0	10,895.0	10,848.4	9,940.0	41.0	38.1	-19.39	-736.8	57.2	1,012.4	973.1	39.27	25.784	
11,900.0	10,895.0	10,948.4	9,940.0	41.6	38.8	-19.39	-836.8	58.0	1,012.4	972.3	40.12	25.237	
12,000.0	10,895.0	11,048.4	9,940.0	42.2	39.5	-19.39	-936.8	58.8	1,012.4	971.4	41.03	24.675	
12,100.0	10,895.0	11,148.4	9,940.0	42.9	40.2	-19.39	-1,036.8	59.5	1,012.4	970.4	42.01	24.102	
12,200.0	10,895.0	11,248.4	9,940.0	43.6	41.0	-19.39	-1,136.8	60.3	1,012.4	969.4	43.04	23.524	
12,300.0	10,895.0	11,348.4	9,940.0	44.4	41.9	-19.39	-1,236.8	61.1	1,012.4	968.3	44.12	22.945	
12,400.0	10,895.0	11,448.4	9,940.0	45.2	42.8	-19.39	-1,336.8	61.8	1,012.4	967.2	45.26	22.370	
12,500.0	10,895.0	11,548.4	9,940.0	46.1	43.7	-19.39	-1,436.8	62.6	1,012.4	966.0	46.44	21.802	
12,600.0	10,895.0	11,648.4	9,940.0	47.0	44.7	-19.39	-1,536.8	63.4	1,012.4	964.8	47.66	21.244	
12,700.0	10,895.0	11,748.4	9,940.0	48.0	45.7	-19.39	-1,636.8	64.2	1,012.4	963.5	48.92	20.697	
12,800.0	10,895.0	11,848.4	9,940.0	49.0	46.8	-19.39	-1,736.8	64.9	1,012.4	962.2	50.21	20.163	
12,900.0	10,895.0	11,948.4	9,940.0	50.0	47.9	-19.39	-1,836.8	65.7	1,012.4	960.9	51.54	19.643	
13,000.0	10,895.0	12,048.4	9,940.0	51.1	49.0	-19.39	-1,936.8	66.5	1,012.4	959.5	52.90	19.138	
13,100.0	10,895.0	12,148.4	9,940.0	52.2	50.2	-19.39	-2,036.8	67.2	1,012.4	958.1	54.29	18.648	
13,200.0	10,895.0	12,248.4	9,940.0	53.3	51.4	-19.39	-2,136.8	68.0	1,012.4	956.7	55.70	18.175	
13,300.0	10,895.0	12,348.4	9,940.0	54.4	52.6	-19.39	-2,236.8	68.8	1,012.4	955.3	57.14	17.717	
13,400.0	10,895.0	12,448.4	9,940.0	55.6	53.8	-19.39	-2,336.8	69.5	1,012.4	953.8	58.60	17.276	
13,500.0	10,895.0	12,548.4	9,940.0	56.8	55.0	-19.39	-2,436.7	70.3	1,012.4	952.3	60.09	16.849	
13,600.0	10,895.0	12,648.4	9,940.0	58.0	56.3	-19.39	-2,536.7	71.1	1,012.4	950.8	61.59	16.439	
13,700.0	10,895.0	12,748.4	9,940.0	59.2	57.6	-19.39	-2,636.7	71.9	1,012.4	949.3	63.11	16.043	
13,800.0	10,895.0	12,848.4	9,940.0	60.5	58.9	-19.39	-2,736.7	72.6	1,012.4	947.8	64.64	15.662	
13,900.0	10,895.0	12,948.4	9,940.0	61.8	60.2	-19.39	-2,836.7	73.4	1,012.4	946.2	66.19	15.294	
14,000.0	10,895.0	13,048.4	9,940.0	63.1	61.6	-19.39	-2,936.7	74.2	1,012.4	944.6	67.76	14.941	
14,100.0	10,895.0	13,148.4	9,940.0	64.4	62.9	-19.39	-3,036.7	74.9	1,012.4	943.1	69.34	14.600	
14,200.0	10,895.0	13,248.4	9,940.0	65.7	64.3	-19.39	-3,136.7	75.7	1,012.4	941.5	70.93	14.273	
14,300.0	10,895.0	13,348.4	9,940.0	67.0	65.7	-19.39	-3,236.7	76.5	1,012.4	939.9	72.54	13.957	
14,400.0	10,895.0	13,448.4	9,940.0	68.4	67.1	-19.39	-3,336.7	77.2	1,012.4	938.2	74.15	13.653	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #122H - 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
14,500.0	10,895.0	13,548.4	9,940.0	69.8	68.5	-19.39	-3,436.7	78.0	1,012.4	936.6	75.78	13.360	
14,600.0	10,895.0	13,648.4	9,940.0	71.1	69.9	-19.39	-3,536.7	78.8	1,012.4	935.0	77.41	13.078	
14,700.0	10,895.0	13,748.4	9,940.0	72.5	71.3	-19.39	-3,636.7	79.5	1,012.4	933.3	79.06	12.806	
14,800.0	10,895.0	13,848.4	9,940.0	73.9	72.8	-19.39	-3,736.7	80.3	1,012.4	931.7	80.71	12.543	
14,900.0	10,895.0	13,948.4	9,940.0	75.3	74.2	-19.39	-3,836.7	81.1	1,012.4	930.0	82.37	12.290	
15,000.0	10,895.0	14,048.4	9,940.0	76.7	75.7	-19.39	-3,936.7	81.9	1,012.4	928.4	84.04	12.046	
15,100.0	10,895.0	14,148.4	9,940.0	78.2	77.1	-19.39	-4,036.7	82.6	1,012.4	926.7	85.72	11.811	
15,200.0	10,895.0	14,248.4	9,940.0	79.6	78.6	-19.39	-4,136.7	83.4	1,012.4	925.0	87.40	11.584	
15,300.0	10,895.0	14,348.4	9,940.0	81.1	80.1	-19.39	-4,236.7	84.2	1,012.4	923.3	89.09	11.364	
15,400.0	10,895.0	14,448.4	9,940.0	82.5	81.6	-19.39	-4,336.7	84.9	1,012.4	921.6	90.78	11.152	
15,500.0	10,895.0	14,548.4	9,940.0	84.0	83.1	-19.39	-4,436.7	85.7	1,012.4	919.9	92.48	10.947	
15,600.0	10,895.0	14,648.4	9,940.0	85.4	84.5	-19.39	-4,536.7	86.5	1,012.4	918.2	94.19	10.749	
15,700.0	10,895.0	14,748.4	9,940.0	86.9	86.0	-19.39	-4,636.7	87.2	1,012.4	916.5	95.90	10.557	
15,800.0	10,895.0	14,848.4	9,940.0	88.4	87.6	-19.38	-4,736.7	88.0	1,012.4	914.8	97.62	10.371	
15,900.0	10,895.0	14,948.4	9,940.0	89.9	89.1	-19.38	-4,836.7	88.8	1,012.4	913.1	99.34	10.192	
16,000.0	10,895.0	15,048.4	9,940.0	91.4	90.6	-19.38	-4,936.7	89.5	1,012.4	911.3	101.06	10.018	
16,100.0	10,895.0	15,148.4	9,940.0	92.8	92.1	-19.38	-5,036.7	90.3	1,012.4	909.6	102.79	9.849	
16,200.0	10,895.0	15,248.4	9,940.0	94.3	93.6	-19.38	-5,136.7	91.1	1,012.4	907.9	104.52	9.686	
16,300.0	10,895.0	15,348.4	9,940.0	95.9	95.1	-19.38	-5,236.7	91.9	1,012.4	906.1	106.26	9.528	
16,400.0	10,895.0	15,448.4	9,940.0	97.4	96.7	-19.38	-5,336.7	92.6	1,012.4	904.4	108.00	9.374	
16,500.0	10,895.0	15,548.4	9,940.0	98.9	98.2	-19.38	-5,436.7	93.4	1,012.4	902.7	109.74	9.225	
16,600.0	10,895.0	15,648.4	9,940.0	100.4	99.8	-19.38	-5,536.7	94.2	1,012.4	900.9	111.48	9.081	
16,700.0	10,895.0	15,748.4	9,940.0	101.9	101.3	-19.38	-5,636.7	94.9	1,012.4	899.2	113.23	8.941	
16,800.0	10,895.0	15,848.4	9,940.0	103.4	102.8	-19.38	-5,736.7	95.7	1,012.4	897.4	114.99	8.805	
16,900.0	10,895.0	15,948.4	9,940.0	105.0	104.4	-19.38	-5,836.6	96.5	1,012.4	895.6	116.74	8.672	
17,000.0	10,895.0	16,048.4	9,940.0	106.5	105.9	-19.38	-5,936.6	97.2	1,012.4	893.9	118.50	8.544	
17,100.0	10,895.0	16,148.4	9,940.0	108.1	107.5	-19.38	-6,036.6	98.0	1,012.4	892.1	120.26	8.419	
17,200.0	10,895.0	16,248.4	9,940.0	109.6	109.1	-19.38	-6,136.6	98.8	1,012.4	890.4	122.02	8.297	
17,300.0	10,895.0	16,348.4	9,940.0	111.1	110.6	-19.38	-6,236.6	99.6	1,012.4	888.6	123.78	8.179	
17,400.0	10,895.0	16,448.4	9,940.0	112.7	112.2	-19.38	-6,336.6	100.3	1,012.4	886.8	125.55	8.064	
17,500.0	10,895.0	16,548.4	9,940.0	114.2	113.8	-19.38	-6,436.6	101.1	1,012.4	885.1	127.32	7.951	
17,600.0	10,895.0	16,648.4	9,940.0	115.8	115.3	-19.38	-6,536.6	101.9	1,012.4	883.3	129.09	7.842	
17,700.0	10,895.0	16,748.4	9,940.0	117.3	116.9	-19.38	-6,636.6	102.6	1,012.4	881.5	130.86	7.736	
17,800.0	10,895.0	16,848.4	9,940.0	118.9	118.5	-19.38	-6,736.6	103.4	1,012.4	879.7	132.64	7.633	
17,900.0	10,895.0	16,948.4	9,940.0	120.5	120.0	-19.38	-6,836.6	104.2	1,012.4	878.0	134.42	7.532	
18,000.0	10,895.0	17,048.4	9,940.0	122.0	121.6	-19.38	-6,936.6	104.9	1,012.4	876.2	136.19	7.433	
18,100.0	10,895.0	17,148.4	9,940.0	123.6	123.2	-19.38	-7,036.6	105.7	1,012.4	874.4	137.97	7.337	
18,200.0	10,895.0	17,248.4	9,940.0	125.1	124.8	-19.38	-7,136.6	106.5	1,012.4	872.6	139.76	7.244	
18,300.0	10,895.0	17,348.4	9,940.0	126.7	126.4	-19.38	-7,236.6	107.2	1,012.4	870.8	141.54	7.153	
18,400.0	10,895.0	17,448.4	9,940.0	128.3	127.9	-19.38	-7,336.6	108.0	1,012.4	869.1	143.32	7.064	
18,500.0	10,895.0	17,548.4	9,940.0	129.9	129.5	-19.38	-7,436.6	108.8	1,012.4	867.3	145.11	6.977	
18,600.0	10,895.0	17,648.4	9,940.0	131.4	131.1	-19.38	-7,536.6	109.6	1,012.4	865.5	146.90	6.892	
18,700.0	10,895.0	17,748.4	9,940.0	133.0	132.7	-19.38	-7,636.6	110.3	1,012.4	863.7	148.69	6.809	
18,800.0	10,895.0	17,848.4	9,940.0	134.6	134.3	-19.38	-7,736.6	111.1	1,012.4	861.9	150.48	6.728	
18,900.0	10,895.0	17,948.4	9,940.0	136.2	135.9	-19.38	-7,836.6	111.9	1,012.4	860.1	152.27	6.649	
19,000.0	10,895.0	18,048.4	9,940.0	137.7	137.5	-19.38	-7,936.6	112.6	1,012.4	858.3	154.06	6.571	
19,100.0	10,895.0	18,148.4	9,940.0	139.3	139.1	-19.38	-8,036.6	113.4	1,012.4	856.5	155.85	6.496	
19,200.0	10,895.0	18,248.4	9,940.0	140.9	140.7	-19.38	-8,136.6	114.2	1,012.4	854.7	157.65	6.422	
19,300.0	10,895.0	18,348.4	9,940.0	142.5	142.3	-19.38	-8,236.6	114.9	1,012.4	852.9	159.44	6.349	
19,400.0	10,895.0	18,448.4	9,940.0	144.1	143.9	-19.38	-8,336.6	115.7	1,012.4	851.1	161.24	6.279	
19,500.0	10,895.0	18,548.4	9,940.0	145.7	145.5	-19.38	-8,436.6	116.5	1,012.4	849.3	163.04	6.209	
19,600.0	10,895.0	18,648.4	9,940.0	147.3	147.1	-19.38	-8,536.6	117.2	1,012.4	847.5	164.84	6.142	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #122H - 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
19,700.0	10,895.0	18,748.4	9,940.0	148.9	148.7	-19.38	-8,636.6	118.0	1,012.4	845.7	166.64	6.075	
19,800.0	10,895.0	18,848.4	9,940.0	150.5	150.3	-19.38	-8,736.6	118.8	1,012.4	843.9	168.44	6.010	
19,900.0	10,895.0	18,948.4	9,940.0	152.0	151.9	-19.38	-8,836.6	119.6	1,012.4	842.1	170.24	5.947	
20,000.0	10,895.0	19,048.4	9,940.0	153.6	153.5	-19.38	-8,936.6	120.3	1,012.4	840.3	172.04	5.884	
20,100.0	10,895.0	19,148.4	9,940.0	155.2	155.1	-19.38	-9,036.6	121.1	1,012.4	838.5	173.85	5.823	
20,200.0	10,895.0	19,248.4	9,940.0	156.8	156.7	-19.38	-9,136.6	121.9	1,012.4	836.7	175.65	5.764	
20,300.0	10,895.0	19,348.4	9,940.0	158.4	158.3	-19.38	-9,236.5	122.6	1,012.4	834.9	177.46	5.705	
20,400.0	10,895.0	19,448.4	9,940.0	160.0	159.9	-19.38	-9,336.5	123.4	1,012.4	833.1	179.26	5.647	
20,500.0	10,895.0	19,548.4	9,940.0	161.6	161.5	-19.38	-9,436.5	124.2	1,012.4	831.3	181.07	5.591	
20,600.0	10,895.0	19,648.4	9,940.0	163.2	163.1	-19.38	-9,536.5	124.9	1,012.4	829.5	182.87	5.536	
20,700.0	10,895.0	19,748.4	9,940.0	164.8	164.7	-19.38	-9,636.5	125.7	1,012.4	827.7	184.68	5.482	
20,800.0	10,895.0	19,848.4	9,940.0	166.4	166.3	-19.38	-9,736.5	126.5	1,012.4	825.9	186.49	5.429	
20,900.0	10,895.0	19,948.4	9,940.0	168.0	167.9	-19.38	-9,836.5	127.3	1,012.4	824.1	188.30	5.376	
21,000.0	10,895.0	20,048.4	9,940.0	169.6	169.5	-19.38	-9,936.5	128.0	1,012.4	822.3	190.11	5.325	
21,100.0	10,895.0	20,148.4	9,940.0	171.2	171.2	-19.38	-10,036.5	128.8	1,012.4	820.4	191.92	5.275	
21,194.3	10,895.0	20,242.7	9,940.0	172.8	172.7	-19.38	-10,130.9	129.5	1,012.4	818.7	193.63	5.228	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #136H - 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	44.52	30.3	29.8	42.5				
100.0	100.0	100.0	100.0	0.1	0.1	44.52	30.3	29.8	42.5	42.2	0.26	165.680	
200.0	200.0	200.0	200.0	0.5	0.5	44.52	30.3	29.8	42.5	41.5	0.97	43.632	
300.0	300.0	300.0	300.0	0.8	0.8	44.52	30.3	29.8	42.5	40.8	1.69	25.124	
400.0	400.0	400.0	400.0	1.2	1.2	44.52	30.3	29.8	42.5	40.1	2.41	17.641	
500.0	500.0	500.0	500.0	1.6	1.6	44.52	30.3	29.8	42.5	39.3	3.12	13.593	
600.0	600.0	600.0	600.0	1.9	1.9	44.52	30.3	29.8	42.5	38.6	3.84	11.056	
700.0	700.0	700.0	700.0	2.3	2.3	44.52	30.3	29.8	42.5	37.9	4.56	9.317	
800.0	800.0	800.0	800.0	2.6	2.6	44.52	30.3	29.8	42.5	37.2	5.27	8.050	
900.0	900.0	900.0	900.0	3.0	3.0	44.52	30.3	29.8	42.5	36.5	5.99	7.087	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	44.52	30.3	29.8	42.5	35.8	6.71	6.330	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	44.52	30.3	29.8	42.5	35.0	7.43	5.719	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	44.52	30.3	29.8	42.5	34.3	8.14	5.215	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	44.52	30.3	29.8	42.5	33.6	8.86	4.793	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	44.52	30.3	29.8	42.5	32.9	9.58	4.434	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	44.52	30.3	29.8	42.5	32.2	10.29	4.125	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	44.52	30.3	29.8	42.5	31.5	11.01	3.857	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	44.52	30.3	29.8	42.5	30.7	11.73	3.621	
1,800.0	1,800.0	1,800.0	1,800.0	6.2	6.2	44.52	30.3	29.8	42.5	30.0	12.44	3.412	
1,900.0	1,900.0	1,900.0	1,900.0	6.6	6.6	44.52	30.3	29.8	42.5	29.3	13.16	3.227	
2,000.0	2,000.0	2,000.0	2,000.0	6.9	6.9	44.52	30.3	29.8	42.5	28.6	13.88	3.060	
2,100.0	2,100.0	2,100.0	2,100.0	7.3	7.3	44.52	30.3	29.8	42.5	27.9	14.60	2.910	
2,200.0	2,200.0	2,200.0	2,200.0	7.7	7.7	44.52	30.3	29.8	42.5	27.2	15.31	2.773	
2,300.0	2,300.0	2,300.0	2,300.0	8.0	8.0	44.52	30.3	29.8	42.5	26.4	16.03	2.649	
2,400.0	2,400.0	2,400.0	2,400.0	8.4	8.4	44.52	30.3	29.8	42.5	25.7	16.75	2.536	
2,500.0	2,500.0	2,500.0	2,500.0	8.7	8.7	44.52	30.3	29.8	42.5	25.0	17.46	2.432	CC, ES
2,600.0	2,600.0	2,599.3	2,599.3	9.1	9.1	85.91	31.0	30.3	43.2	25.1	18.17	2.380	
2,700.0	2,700.0	2,698.5	2,698.4	9.4	9.4	88.56	33.1	31.7	45.7	26.8	18.87	2.420	
2,800.0	2,799.9	2,797.5	2,797.4	9.8	9.8	92.37	36.6	34.2	49.9	30.3	19.56	2.550	
2,900.0	2,899.7	2,896.4	2,896.1	10.2	10.1	96.70	41.5	37.6	56.1	35.8	20.25	2.770	
3,000.0	2,999.4	2,995.0	2,994.4	10.5	10.5	100.99	47.8	42.0	64.5	43.5	20.94	3.078	
3,100.0	3,098.9	3,093.2	3,092.2	10.9	10.8	104.90	55.4	47.4	75.0	53.4	21.62	3.469	
3,200.0	3,198.3	3,191.1	3,189.4	11.2	11.2	108.26	64.4	53.7	87.8	65.5	22.31	3.937	
3,300.0	3,297.4	3,288.5	3,286.0	11.6	11.6	111.07	74.6	60.9	102.9	79.9	22.99	4.475	
3,400.0	3,396.4	3,386.9	3,383.5	12.0	11.9	113.37	85.8	68.7	119.3	95.6	23.71	5.030	
3,500.0	3,495.5	3,485.5	3,481.1	12.3	12.3	115.11	97.1	76.6	135.8	111.4	24.44	5.558	
3,600.0	3,594.5	3,584.0	3,578.6	12.7	12.7	116.48	108.3	84.5	152.4	127.3	25.16	6.058	
3,700.0	3,693.5	3,682.6	3,676.2	13.1	13.0	117.57	119.5	92.3	169.1	143.2	25.89	6.532	
3,800.0	3,792.5	3,781.1	3,773.8	13.5	13.4	118.47	130.8	100.2	185.9	159.3	26.63	6.981	
3,900.0	3,891.6	3,879.6	3,871.4	13.9	13.8	119.22	142.0	108.1	202.7	175.3	27.37	7.407	
4,000.0	3,990.6	3,978.2	3,969.0	14.2	14.2	119.86	153.2	116.0	219.5	191.4	28.10	7.810	
4,100.0	4,089.6	4,076.7	4,066.6	14.6	14.5	120.40	164.5	123.8	236.3	207.5	28.85	8.193	
4,200.0	4,188.6	4,175.3	4,164.2	15.0	14.9	120.87	175.7	131.7	253.2	223.6	29.59	8.557	
4,300.0	4,287.7	4,273.8	4,261.8	15.4	15.3	121.29	186.9	139.6	270.1	239.7	30.34	8.902	
4,400.0	4,386.7	4,372.4	4,359.4	15.8	15.7	121.65	198.1	147.5	287.0	255.9	31.08	9.231	
4,500.0	4,485.7	4,470.9	4,456.9	16.2	16.1	121.98	209.4	155.3	303.8	272.0	31.84	9.544	
4,600.0	4,584.8	4,569.5	4,554.5	16.6	16.5	122.27	220.6	163.2	320.8	288.2	32.59	9.843	
4,700.0	4,683.8	4,668.0	4,652.1	17.0	16.8	122.53	231.8	171.1	337.7	304.3	33.34	10.128	
4,800.0	4,782.8	4,766.6	4,749.7	17.4	17.2	122.76	243.1	178.9	354.6	320.5	34.10	10.399	
4,900.0	4,881.8	4,865.1	4,847.3	17.8	17.6	122.98	254.3	186.8	371.5	336.6	34.85	10.659	
5,000.0	4,980.9	4,963.7	4,944.9	18.2	18.0	123.17	265.5	194.7	388.4	352.8	35.61	10.907	
5,100.0	5,079.9	5,062.2	5,042.5	18.6	18.4	123.35	276.8	202.6	405.4	369.0	36.37	11.145	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,178.9	5,160.8	5,140.1	19.0	18.8	123.52	288.0	210.4	422.3	385.2	37.13	11.373	
5,300.0	5,277.9	5,259.3	5,237.7	19.4	19.2	123.67	299.2	218.3	439.2	401.3	37.89	11.591	
5,400.0	5,377.0	5,357.9	5,335.3	19.8	19.6	123.81	310.5	226.2	456.2	417.5	38.66	11.801	
5,500.0	5,476.0	5,456.4	5,432.8	20.2	20.0	123.94	321.7	234.1	473.1	433.7	39.42	12.002	
5,600.0	5,575.0	5,555.0	5,530.4	20.6	20.4	124.07	332.9	241.9	490.1	449.9	40.19	12.195	
5,700.0	5,674.0	5,653.5	5,628.0	21.0	20.8	124.18	344.1	249.8	507.0	466.1	40.95	12.381	
5,800.0	5,773.1	5,754.6	5,728.2	21.4	21.2	124.30	355.6	257.8	523.9	482.1	41.74	12.550	
5,900.0	5,872.1	5,863.2	5,836.0	21.8	21.6	124.60	366.0	265.1	539.5	496.9	42.60	12.663	
6,000.0	5,971.1	5,972.2	5,944.5	22.2	22.0	125.13	374.0	270.7	553.2	509.8	43.44	12.736	
6,100.0	6,070.2	6,081.4	6,053.5	22.6	22.4	125.88	379.4	274.5	565.2	521.0	44.25	12.773	
6,199.8	6,169.0	6,190.5	6,162.5	23.0	22.8	126.84	382.3	276.6	575.5	530.5	45.04	12.778	
6,300.0	6,268.4	6,303.7	6,268.4	23.4	23.2	127.94	382.8	276.9	583.6	537.8	45.82	12.737	
6,400.0	6,367.9	6,404.2	6,367.9	23.8	23.5	128.78	382.8	276.9	589.8	543.3	46.54	12.674	
6,500.0	6,467.6	6,504.5	6,467.6	24.2	23.9	129.39	382.8	276.9	594.5	547.3	47.25	12.582	
6,600.0	6,567.5	6,604.6	6,567.5	24.5	24.2	129.78	382.8	276.9	597.6	549.6	47.96	12.461	
6,700.0	6,667.5	6,704.6	6,667.5	24.9	24.6	129.96	382.8	276.9	599.0	550.3	48.65	12.311	
6,733.1	6,700.6	6,728.5	6,700.6	25.0	24.7	89.52	382.8	276.9	599.1	550.2	48.85	12.263	
6,800.0	6,767.5	6,804.6	6,767.5	25.2	24.9	89.52	382.8	276.9	599.1	549.7	49.34	12.141	
6,900.0	6,867.5	6,904.6	6,867.5	25.6	25.3	89.52	382.8	276.9	599.1	549.0	50.03	11.973	
7,000.0	6,967.5	7,004.6	6,967.5	25.9	25.6	89.52	382.8	276.9	599.1	548.3	50.73	11.810	
7,100.0	7,067.5	7,104.6	7,067.5	26.2	26.0	89.52	382.8	276.9	599.1	547.6	51.42	11.651	
7,200.0	7,167.5	7,204.6	7,167.5	26.6	26.3	89.52	382.8	276.9	599.1	546.9	52.11	11.496	
7,300.0	7,267.5	7,304.6	7,267.5	26.9	26.6	89.52	382.8	276.9	599.1	546.3	52.80	11.345	
7,400.0	7,367.5	7,404.6	7,367.5	27.3	27.0	89.52	382.8	276.9	599.1	545.6	53.50	11.197	
7,500.0	7,467.5	7,504.6	7,467.5	27.6	27.3	89.52	382.8	276.9	599.1	544.9	54.19	11.054	
7,600.0	7,567.5	7,604.6	7,567.5	27.9	27.7	89.52	382.8	276.9	599.1	544.2	54.89	10.914	
7,700.0	7,667.5	7,704.6	7,667.5	28.3	28.0	89.52	382.8	276.9	599.1	543.5	55.59	10.777	
7,800.0	7,767.5	7,804.6	7,767.5	28.6	28.4	89.52	382.8	276.9	599.1	542.8	56.28	10.644	
7,900.0	7,867.5	7,904.6	7,867.5	29.0	28.7	89.52	382.8	276.9	599.1	542.1	56.98	10.514	
8,000.0	7,967.5	8,004.6	7,967.5	29.3	29.1	89.52	382.8	276.9	599.1	541.4	57.68	10.387	
8,100.0	8,067.5	8,104.6	8,067.5	29.7	29.4	89.52	382.8	276.9	599.1	540.7	58.37	10.262	
8,200.0	8,167.5	8,204.6	8,167.5	30.0	29.8	89.52	382.8	276.9	599.1	540.0	59.07	10.141	
8,300.0	8,267.5	8,304.6	8,267.5	30.4	30.1	89.52	382.8	276.9	599.1	539.3	59.77	10.022	
8,400.0	8,367.5	8,404.6	8,367.5	30.7	30.5	89.52	382.8	276.9	599.1	538.6	60.47	9.907	
8,500.0	8,467.5	8,504.6	8,467.5	31.0	30.8	89.52	382.8	276.9	599.1	537.9	61.17	9.793	
8,600.0	8,567.5	8,604.6	8,567.5	31.4	31.2	89.52	382.8	276.9	599.1	537.2	61.87	9.682	
8,700.0	8,667.5	8,704.6	8,667.5	31.7	31.5	89.52	382.8	276.9	599.1	536.5	62.57	9.574	
8,800.0	8,767.5	8,804.6	8,767.5	32.1	31.9	89.52	382.8	276.9	599.1	535.8	63.27	9.468	
8,900.0	8,867.5	8,904.6	8,867.5	32.4	32.2	89.52	382.8	276.9	599.1	535.1	63.97	9.364	
9,000.0	8,967.5	9,004.6	8,967.5	32.8	32.6	89.52	382.8	276.9	599.1	534.4	64.67	9.263	
9,100.0	9,067.5	9,104.6	9,067.5	33.1	32.9	89.52	382.8	276.9	599.1	533.7	65.38	9.163	
9,200.0	9,167.5	9,204.6	9,167.5	33.5	33.3	89.52	382.8	276.9	599.1	533.0	66.08	9.066	
9,300.0	9,267.5	9,304.6	9,267.5	33.8	33.6	89.52	382.8	276.9	599.1	532.3	66.78	8.970	
9,400.0	9,367.5	9,404.6	9,367.5	34.2	34.0	89.52	382.8	276.9	599.1	531.6	67.48	8.877	
9,500.0	9,467.5	9,504.6	9,467.5	34.5	34.3	89.52	382.8	276.9	599.1	530.9	68.19	8.785	
9,600.0	9,567.5	9,604.6	9,567.5	34.9	34.7	89.52	382.8	276.9	599.1	530.2	68.89	8.696	
9,700.0	9,667.5	9,704.6	9,667.5	35.2	35.0	89.52	382.8	276.9	599.1	529.5	69.59	8.608	
9,800.0	9,767.5	9,804.6	9,767.5	35.6	35.4	89.52	382.8	276.9	599.1	528.8	70.30	8.522	
9,900.0	9,867.5	9,904.6	9,867.5	35.9	35.7	89.52	382.8	276.9	599.1	528.1	71.00	8.437	
10,000.0	9,967.5	10,004.6	9,967.5	36.3	36.1	89.52	382.8	276.9	599.1	527.3	71.71	8.354	
10,100.0	10,067.5	10,104.6	10,067.5	36.6	36.4	89.52	382.8	276.9	599.1	526.6	72.41	8.273	
10,200.0	10,167.5	10,204.6	10,167.5	37.0	36.8	89.52	382.8	276.9	599.1	525.9	73.12	8.193	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #136H - 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	10,267.5	10,304.6	10,267.5	37.3	37.1	89.52	382.8	276.9	599.1	525.2	73.82	8.115	
10,354.5	10,322.0	10,349.9	10,322.0	37.5	37.3	89.52	382.8	276.9	599.1	524.9	74.17	8.076	
10,400.0	10,367.4	10,390.5	10,362.5	37.6	37.4	-87.02	381.7	277.1	599.1	524.7	74.45	8.047	
10,450.0	10,417.0	10,434.4	10,406.2	37.8	37.5	-87.08	377.4	277.7	599.5	524.7	74.72	8.023	
10,500.0	10,465.9	10,478.5	10,449.6	37.9	37.7	-87.16	369.7	278.8	600.1	525.1	74.97	8.005	
10,550.0	10,513.7	10,522.6	10,492.3	38.0	37.8	-87.26	358.7	280.4	601.0	525.8	75.19	7.993	
10,600.0	10,560.0	10,566.9	10,534.2	38.2	37.9	-87.38	344.5	282.4	602.2	526.8	75.39	7.987	
10,650.0	10,604.5	10,611.4	10,575.0	38.3	38.0	-87.51	327.0	284.9	603.6	528.0	75.58	7.986	
10,700.0	10,646.9	10,656.0	10,614.4	38.3	38.1	-87.66	306.3	287.8	605.3	529.6	75.76	7.990	
10,750.0	10,686.8	10,700.9	10,652.3	38.4	38.2	-87.82	282.6	291.2	607.3	531.4	75.93	7.999	
10,800.0	10,723.9	10,746.0	10,688.4	38.5	38.2	-88.00	255.8	295.0	609.6	533.5	76.09	8.011	
10,850.0	10,758.0	10,791.4	10,722.4	38.5	38.3	-88.18	226.1	299.2	612.1	535.8	76.25	8.027	
10,900.0	10,788.7	10,837.1	10,754.2	38.6	38.4	-88.38	193.6	303.9	614.8	538.4	76.42	8.045	
10,950.0	10,815.9	10,883.2	10,783.5	38.6	38.4	-88.58	158.4	308.9	617.8	541.2	76.59	8.066	
11,000.0	10,839.3	10,929.6	10,810.1	38.6	38.4	-88.79	120.6	314.2	620.9	544.2	76.76	8.089	
11,050.0	10,858.8	10,976.5	10,833.6	38.7	38.5	-89.01	80.5	320.0	624.3	547.4	76.94	8.114	
11,100.0	10,874.2	11,023.9	10,854.0	38.7	38.5	-89.23	38.2	326.0	627.9	550.7	77.13	8.141	
11,150.0	10,885.4	11,071.7	10,870.9	38.7	38.6	-89.46	-6.1	332.3	631.6	554.3	77.31	8.169	
11,200.0	10,892.4	11,120.1	10,884.2	38.8	38.7	-89.68	-52.1	338.8	635.4	557.9	77.50	8.198	
11,254.5	10,895.0	11,173.5	10,894.2	38.9	38.8	-89.93	-104.0	346.2	639.7	562.0	77.71	8.232	
11,300.0	10,895.0	11,218.6	10,898.8	39.0	38.9	-90.34	-148.5	352.5	643.7	565.8	77.90	8.264	
11,407.5	10,895.0	11,346.6	10,900.0	39.3	39.3	-90.44	-275.4	369.1	654.9	576.4	78.49	8.344	
11,500.0	10,895.0	11,466.4	10,900.0	39.6	39.7	-90.43	-394.7	379.7	662.4	583.2	79.16	8.368	
11,600.0	10,895.0	11,596.5	10,900.0	40.0	40.3	-90.43	-524.6	385.5	666.1	586.1	80.04	8.322	
11,700.0	10,895.0	11,706.2	10,900.0	40.5	40.8	-90.43	-634.3	386.7	666.3	585.3	80.99	8.227	
11,800.0	10,895.0	11,806.2	10,900.0	41.0	41.3	-90.43	-734.3	387.4	666.3	584.3	82.03	8.123	
11,900.0	10,895.0	11,906.2	10,900.0	41.6	41.9	-90.43	-834.3	388.2	666.3	583.1	83.19	8.009	
12,000.0	10,895.0	12,006.2	10,900.0	42.2	42.6	-90.43	-934.3	389.0	666.3	581.8	84.47	7.888	
12,100.0	10,895.0	12,106.2	10,900.0	42.9	43.3	-90.43	-1,034.3	389.7	666.3	580.5	85.85	7.761	
12,200.0	10,895.0	12,206.2	10,900.0	43.6	44.0	-90.43	-1,134.3	390.5	666.3	579.0	87.34	7.629	
12,300.0	10,895.0	12,306.2	10,900.0	44.4	44.8	-90.43	-1,234.3	391.3	666.3	577.4	88.92	7.493	
12,400.0	10,895.0	12,406.2	10,900.0	45.2	45.7	-90.43	-1,334.3	392.0	666.3	575.7	90.60	7.355	
12,500.0	10,895.0	12,506.2	10,900.0	46.1	46.5	-90.43	-1,434.2	392.8	666.3	573.9	92.36	7.214	
12,600.0	10,895.0	12,606.2	10,900.0	47.0	47.5	-90.43	-1,534.2	393.6	666.3	572.1	94.21	7.073	
12,700.0	10,895.0	12,706.2	10,900.0	48.0	48.4	-90.43	-1,634.2	394.3	666.3	570.2	96.13	6.931	
12,800.0	10,895.0	12,806.2	10,900.0	49.0	49.4	-90.43	-1,734.2	395.1	666.3	568.2	98.13	6.790	
12,900.0	10,895.0	12,906.2	10,900.0	50.0	50.5	-90.43	-1,834.2	395.9	666.3	566.1	100.20	6.650	
13,000.0	10,895.0	13,006.2	10,900.0	51.1	51.5	-90.43	-1,934.2	396.6	666.3	564.0	102.33	6.511	
13,100.0	10,895.0	13,106.2	10,900.0	52.2	52.6	-90.43	-2,034.2	397.4	666.3	561.8	104.52	6.375	
13,200.0	10,895.0	13,206.2	10,900.0	53.3	53.8	-90.43	-2,134.2	398.2	666.3	559.5	106.77	6.240	
13,300.0	10,895.0	13,306.2	10,900.0	54.4	54.9	-90.43	-2,234.2	398.9	666.3	557.2	109.07	6.109	
13,400.0	10,895.0	13,406.2	10,900.0	55.6	56.1	-90.43	-2,334.2	399.7	666.3	554.8	111.42	5.979	
13,500.0	10,895.0	13,506.2	10,900.0	56.8	57.3	-90.43	-2,434.2	400.5	666.3	552.4	113.83	5.853	
13,600.0	10,895.0	13,606.2	10,900.0	58.0	58.5	-90.43	-2,534.2	401.3	666.3	550.0	116.27	5.730	
13,700.0	10,895.0	13,706.2	10,900.0	59.2	59.8	-90.43	-2,634.2	402.0	666.3	547.5	118.76	5.610	
13,800.0	10,895.0	13,806.2	10,900.0	60.5	61.0	-90.43	-2,734.2	402.8	666.2	545.0	121.28	5.493	
13,900.0	10,895.0	13,906.2	10,900.0	61.8	62.3	-90.43	-2,834.2	403.6	666.2	542.4	123.84	5.380	
14,000.0	10,895.0	14,006.2	10,900.0	63.1	63.6	-90.43	-2,934.2	404.3	666.2	539.8	126.44	5.269	
14,100.0	10,895.0	14,106.2	10,900.0	64.4	64.9	-90.43	-3,034.2	405.1	666.2	537.2	129.07	5.162	
14,200.0	10,895.0	14,206.2	10,900.0	65.7	66.3	-90.43	-3,134.2	405.9	666.2	534.5	131.72	5.058	
14,300.0	10,895.0	14,306.2	10,900.0	67.0	67.6	-90.43	-3,234.2	406.6	666.2	531.8	134.41	4.957	
14,400.0	10,895.0	14,406.2	10,900.0	68.4	69.0	-90.43	-3,334.2	407.4	666.2	529.1	137.13	4.859	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #136H - 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
14,500.0	10,895.0	14,506.2	10,900.0	69.8	70.3	-90.43	-3,434.2	408.2	666.2	526.4	139.86	4.763	
14,600.0	10,895.0	14,606.2	10,900.0	71.1	71.7	-90.43	-3,534.2	408.9	666.2	523.6	142.63	4.671	
14,700.0	10,895.0	14,706.2	10,900.0	72.5	73.1	-90.43	-3,634.2	409.7	666.2	520.8	145.41	4.582	
14,800.0	10,895.0	14,806.2	10,900.0	73.9	74.5	-90.43	-3,734.2	410.5	666.2	518.0	148.22	4.495	
14,900.0	10,895.0	14,906.2	10,900.0	75.3	75.9	-90.43	-3,834.2	411.2	666.2	515.2	151.05	4.411	
15,000.0	10,895.0	15,006.2	10,900.0	76.7	77.4	-90.43	-3,934.2	412.0	666.2	512.3	153.89	4.329	
15,100.0	10,895.0	15,106.2	10,900.0	78.2	78.8	-90.43	-4,034.2	412.8	666.2	509.4	156.75	4.250	
15,200.0	10,895.0	15,206.2	10,900.0	79.6	80.2	-90.43	-4,134.2	413.5	666.2	506.6	159.63	4.173	
15,300.0	10,895.0	15,306.2	10,900.0	81.1	81.7	-90.43	-4,234.2	414.3	666.2	503.7	162.53	4.099	
15,400.0	10,895.0	15,406.2	10,900.0	82.5	83.1	-90.43	-4,334.2	415.1	666.2	500.7	165.44	4.027	
15,500.0	10,895.0	15,506.2	10,900.0	84.0	84.6	-90.43	-4,434.2	415.8	666.2	497.8	168.37	3.957	
15,600.0	10,895.0	15,606.2	10,900.0	85.4	86.1	-90.43	-4,534.2	416.6	666.2	494.9	171.31	3.889	
15,700.0	10,895.0	15,706.2	10,900.0	86.9	87.5	-90.43	-4,634.2	417.4	666.2	491.9	174.26	3.823	
15,800.0	10,895.0	15,806.2	10,900.0	88.4	89.0	-90.43	-4,734.2	418.1	666.2	488.9	177.23	3.759	
15,900.0	10,895.0	15,906.2	10,900.0	89.9	90.5	-90.43	-4,834.1	418.9	666.2	486.0	180.20	3.697	
16,000.0	10,895.0	16,006.2	10,900.0	91.4	92.0	-90.43	-4,934.1	419.7	666.2	483.0	183.19	3.636	
16,100.0	10,895.0	16,106.2	10,900.0	92.8	93.5	-90.43	-5,034.1	420.4	666.2	480.0	186.19	3.578	
16,200.0	10,895.0	16,206.2	10,900.0	94.3	95.0	-90.43	-5,134.1	421.2	666.2	477.0	189.20	3.521	
16,300.0	10,895.0	16,306.2	10,900.0	95.9	96.5	-90.43	-5,234.1	422.0	666.2	473.9	192.21	3.466	
16,400.0	10,895.0	16,406.2	10,900.0	97.4	98.0	-90.43	-5,334.1	422.7	666.1	470.9	195.24	3.412	
16,500.0	10,895.0	16,506.2	10,900.0	98.9	99.6	-90.43	-5,434.1	423.5	666.1	467.9	198.28	3.360	
16,600.0	10,895.0	16,606.2	10,900.0	100.4	101.1	-90.43	-5,534.1	424.3	666.1	464.8	201.32	3.309	
16,700.0	10,895.0	16,706.2	10,900.0	101.9	102.6	-90.43	-5,634.1	425.0	666.1	461.8	204.37	3.259	
16,800.0	10,895.0	16,806.2	10,900.0	103.4	104.1	-90.43	-5,734.1	425.8	666.1	458.7	207.43	3.211	
16,900.0	10,895.0	16,906.2	10,900.0	105.0	105.7	-90.43	-5,834.1	426.6	666.1	455.6	210.50	3.164	
17,000.0	10,895.0	17,006.2	10,900.0	106.5	107.2	-90.43	-5,934.1	427.3	666.1	452.6	213.58	3.119	
17,100.0	10,895.0	17,106.2	10,900.0	108.1	108.8	-90.43	-6,034.1	428.1	666.1	449.5	216.66	3.075	
17,200.0	10,895.0	17,206.2	10,900.0	109.6	110.3	-90.43	-6,134.1	428.9	666.1	446.4	219.74	3.031	
17,300.0	10,895.0	17,306.2	10,900.0	111.1	111.9	-90.43	-6,234.1	429.6	666.1	443.3	222.84	2.989	
17,400.0	10,895.0	17,406.2	10,900.0	112.7	113.4	-90.43	-6,334.1	430.4	666.1	440.2	225.94	2.948	
17,500.0	10,895.0	17,506.2	10,900.0	114.2	115.0	-90.43	-6,434.1	431.2	666.1	437.1	229.04	2.908	
17,600.0	10,895.0	17,606.2	10,900.0	115.8	116.5	-90.43	-6,534.1	431.9	666.1	434.0	232.15	2.869	
17,700.0	10,895.0	17,706.2	10,900.0	117.3	118.1	-90.43	-6,634.1	432.7	666.1	430.8	235.27	2.831	
17,800.0	10,895.0	17,806.2	10,900.0	118.9	119.6	-90.43	-6,734.1	433.5	666.1	427.7	238.39	2.794	
17,900.0	10,895.0	17,906.2	10,900.0	120.5	121.2	-90.43	-6,834.1	434.2	666.1	424.6	241.51	2.758	
18,000.0	10,895.0	18,006.2	10,900.0	122.0	122.8	-90.43	-6,934.1	435.0	666.1	421.4	244.64	2.723	
18,100.0	10,895.0	18,106.2	10,900.0	123.6	124.3	-90.43	-7,034.1	435.8	666.1	418.3	247.78	2.688	
18,200.0	10,895.0	18,206.2	10,900.0	125.1	125.9	-90.43	-7,134.1	436.5	666.1	415.2	250.92	2.655	
18,300.0	10,895.0	18,306.2	10,900.0	126.7	127.5	-90.43	-7,234.1	437.3	666.1	412.0	254.06	2.622	
18,400.0	10,895.0	18,406.2	10,900.0	128.3	129.1	-90.43	-7,334.1	438.1	666.1	408.9	257.21	2.590	
18,500.0	10,895.0	18,506.2	10,900.0	129.9	130.6	-90.43	-7,434.1	438.8	666.1	405.7	260.36	2.558	
18,600.0	10,895.0	18,606.2	10,900.0	131.4	132.2	-90.43	-7,534.1	439.6	666.1	402.6	263.51	2.528	
18,700.0	10,895.0	18,706.2	10,900.0	133.0	133.8	-90.43	-7,634.1	440.4	666.1	399.4	266.67	2.498	
18,800.0	10,895.0	18,806.2	10,900.0	134.6	135.4	-90.43	-7,734.1	441.1	666.1	396.2	269.83	2.468	
18,900.0	10,895.0	18,906.2	10,900.0	136.2	137.0	-90.43	-7,834.1	441.9	666.1	393.1	273.00	2.440	
19,000.0	10,895.0	19,006.2	10,900.0	137.7	138.5	-90.43	-7,934.1	442.7	666.0	389.9	276.16	2.412	
19,100.0	10,895.0	19,106.2	10,900.0	139.3	140.1	-90.43	-8,034.1	443.4	666.0	386.7	279.33	2.384	
19,200.0	10,895.0	19,206.2	10,900.0	140.9	141.7	-90.43	-8,134.1	444.2	666.0	383.5	282.51	2.358	
19,300.0	10,895.0	19,306.2	10,900.0	142.5	143.3	-90.43	-8,234.0	445.0	666.0	380.4	285.69	2.331	
19,400.0	10,895.0	19,406.2	10,900.0	144.1	144.9	-90.43	-8,334.0	445.7	666.0	377.2	288.87	2.306	
19,500.0	10,895.0	19,506.2	10,900.0	145.7	146.5	-90.43	-8,434.0	446.5	666.0	374.0	292.05	2.281	
19,600.0	10,895.0	19,606.2	10,900.0	147.3	148.1	-90.43	-8,534.0	447.3	666.0	370.8	295.23	2.256	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #136H - 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
19,700.0	10,895.0	19,706.2	10,900.0	148.9	149.7	-90.43	-8,634.0	448.0	666.0	367.6	298.42	2.232	
19,800.0	10,895.0	19,806.2	10,900.0	150.5	151.3	-90.43	-8,734.0	448.8	666.0	364.4	301.61	2.208	
19,900.0	10,895.0	19,906.2	10,900.0	152.0	152.9	-90.43	-8,834.0	449.6	666.0	361.2	304.80	2.185	
20,000.0	10,895.0	20,006.2	10,900.0	153.6	154.5	-90.43	-8,934.0	450.3	666.0	358.0	308.00	2.162	
20,100.0	10,895.0	20,106.2	10,900.0	155.2	156.1	-90.43	-9,034.0	451.1	666.0	354.8	311.19	2.140	
20,200.0	10,895.0	20,206.2	10,900.0	156.8	157.7	-90.43	-9,134.0	451.9	666.0	351.6	314.39	2.118	
20,300.0	10,895.0	20,306.2	10,900.0	158.4	159.3	-90.43	-9,234.0	452.6	666.0	348.4	317.59	2.097	
20,400.0	10,895.0	20,406.2	10,900.0	160.0	160.9	-90.43	-9,334.0	453.4	666.0	345.2	320.80	2.076	
20,500.0	10,895.0	20,506.2	10,900.0	161.6	162.5	-90.43	-9,434.0	454.2	666.0	342.0	324.00	2.056	
20,600.0	10,895.0	20,606.2	10,900.0	163.2	164.1	-90.43	-9,534.0	454.9	666.0	338.8	327.21	2.035	
20,700.0	10,895.0	20,706.2	10,900.0	164.8	165.7	-90.43	-9,634.0	455.7	666.0	335.6	330.42	2.016	
20,800.0	10,895.0	20,806.2	10,900.0	166.4	167.3	-90.43	-9,734.0	456.5	666.0	332.3	333.63	1.996	
20,900.0	10,895.0	20,906.2	10,900.0	168.0	168.9	-90.43	-9,834.0	457.2	666.0	329.1	336.84	1.977	
21,000.0	10,895.0	21,006.2	10,900.0	169.6	170.5	-90.43	-9,934.0	458.0	666.0	325.9	340.06	1.958	
21,100.0	10,895.0	21,106.2	10,900.0	171.2	172.1	-90.43	-10,034.0	458.8	666.0	322.7	343.27	1.940	
21,194.3	10,895.0	21,200.5	10,900.0	172.8	173.6	-90.43	-10,128.3	459.5	666.0	319.7	346.31	1.923	SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	79.58	31.2	169.8	172.6				
100.0	100.0	100.0	100.0	0.1	0.1	79.58	31.2	169.8	172.6	172.4	0.26	673.582	
200.0	200.0	200.0	200.0	0.5	0.5	79.58	31.2	169.8	172.6	171.7	0.97	177.389	
300.0	300.0	300.0	300.0	0.8	0.8	79.58	31.2	169.8	172.6	171.0	1.69	102.145	
400.0	400.0	400.0	400.0	1.2	1.2	79.58	31.2	169.8	172.6	170.2	2.41	71.722	
500.0	500.0	500.0	500.0	1.6	1.6	79.58	31.2	169.8	172.6	169.5	3.12	55.262	
600.0	600.0	600.0	600.0	1.9	1.9	79.58	31.2	169.8	172.6	168.8	3.84	44.947	
700.0	700.0	700.0	700.0	2.3	2.3	79.58	31.2	169.8	172.6	168.1	4.56	37.877	
800.0	800.0	800.0	800.0	2.6	2.6	79.58	31.2	169.8	172.6	167.4	5.27	32.729	
900.0	900.0	900.0	900.0	3.0	3.0	79.58	31.2	169.8	172.6	166.7	5.99	28.813	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	79.58	31.2	169.8	172.6	165.9	6.71	25.734	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	79.58	31.2	169.8	172.6	165.2	7.43	23.249	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	79.58	31.2	169.8	172.6	164.5	8.14	21.202	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	79.58	31.2	169.8	172.6	163.8	8.86	19.487	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	79.58	31.2	169.8	172.6	163.1	9.58	18.028	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	79.58	31.2	169.8	172.6	162.4	10.29	16.772	
1,600.0	1,600.0	1,600.2	1,600.2	5.5	5.5	79.28	32.1	169.6	172.6	161.6	11.01	15.674	
1,700.0	1,700.0	1,700.4	1,700.3	5.9	5.9	78.41	34.7	168.9	172.4	160.7	11.73	14.702	
1,800.0	1,800.0	1,800.4	1,800.3	6.2	6.2	76.95	38.9	167.8	172.2	159.8	12.44	13.840	
1,890.8	1,890.8	1,891.1	1,890.8	6.5	6.5	75.12	44.2	166.4	172.1	159.0	13.09	13.145	CC
1,900.0	1,900.0	1,900.3	1,900.0	6.6	6.6	74.91	44.8	166.2	172.1	159.0	13.16	13.080	
2,000.0	2,000.0	1,999.9	1,999.3	6.9	6.9	72.31	52.4	164.2	172.3	158.5	13.88	12.419	ES
2,100.0	2,100.0	2,099.2	2,098.1	7.3	7.3	69.15	61.6	161.7	173.1	158.5	14.60	11.858	
2,200.0	2,200.0	2,198.2	2,196.4	7.7	7.7	65.50	72.4	158.9	174.6	159.3	15.31	11.402	
2,300.0	2,300.0	2,301.3	2,294.1	8.0	8.0	61.40	84.8	155.6	177.3	161.2	16.05	11.044	
2,400.0	2,400.0	2,404.3	2,392.2	8.4	8.4	57.16	98.1	152.0	181.1	164.3	16.79	10.786	
2,500.0	2,500.0	2,505.3	2,490.2	8.7	8.8	53.11	111.4	148.5	185.9	168.4	17.52	10.609	
2,600.0	2,600.0	2,593.9	2,588.4	9.1	9.2	89.92	124.8	144.9	191.6	173.4	18.21	10.523	
2,700.0	2,700.0	2,706.8	2,686.7	9.4	9.6	86.99	138.1	141.4	197.9	178.9	18.98	10.425	
2,800.0	2,799.9	2,807.3	2,785.3	9.8	10.0	84.72	151.5	137.8	204.5	184.8	19.72	10.373	
2,900.0	2,899.7	2,907.7	2,883.9	10.2	10.4	83.06	164.9	134.3	211.2	190.7	20.45	10.327	
3,000.0	2,999.4	3,008.0	2,982.6	10.5	10.8	81.94	178.3	130.7	217.8	196.6	21.19	10.278	
3,100.0	3,098.9	3,108.3	3,081.4	10.9	11.2	81.34	191.7	127.2	224.2	202.2	21.93	10.220	
3,200.0	3,198.3	3,208.5	3,180.3	11.2	11.6	81.19	205.2	123.6	230.3	207.6	22.68	10.153	
3,300.0	3,297.4	3,291.4	3,279.1	11.6	11.9	81.47	218.6	120.0	236.1	212.8	23.37	10.104	
3,400.0	3,396.4	3,391.2	3,377.9	12.0	12.3	82.00	232.0	116.5	241.9	217.8	24.13	10.023	
3,500.0	3,495.5	3,509.0	3,476.8	12.3	12.8	82.50	245.5	112.9	247.7	222.7	24.97	9.919	
3,600.0	3,594.5	3,609.2	3,575.6	12.7	13.2	82.98	258.9	109.3	253.5	227.7	25.74	9.846	
3,700.0	3,693.5	3,709.4	3,674.5	13.1	13.6	83.44	272.3	105.8	259.3	232.7	26.52	9.777	
3,800.0	3,792.5	3,809.6	3,773.3	13.5	14.0	83.88	285.7	102.2	265.1	237.8	27.30	9.712	
3,900.0	3,891.6	3,909.8	3,872.1	13.9	14.4	84.30	299.2	98.6	270.9	242.8	28.08	9.649	
4,000.0	3,990.6	4,010.0	3,971.0	14.2	14.8	84.70	312.6	95.1	276.8	247.9	28.86	9.589	
4,100.0	4,089.6	4,089.8	4,069.8	14.6	15.1	85.08	326.0	91.5	282.6	253.1	29.57	9.559	
4,200.0	4,188.6	4,189.7	4,168.7	15.0	15.5	85.45	339.4	87.9	288.5	258.2	30.36	9.504	
4,300.0	4,287.7	4,291.8	4,269.9	15.4	15.9	85.90	352.7	84.4	294.2	263.0	31.17	9.439	
4,400.0	4,386.7	4,395.5	4,373.0	15.8	16.3	86.77	363.7	81.5	298.6	266.7	31.98	9.339	
4,500.0	4,485.7	4,499.1	4,476.1	16.2	16.7	88.08	372.0	79.3	301.9	269.1	32.78	9.211	
4,600.0	4,584.8	4,602.3	4,579.2	16.6	17.1	89.83	377.5	77.8	304.2	270.6	33.57	9.062	
4,700.0	4,683.8	4,705.0	4,681.9	17.0	17.5	92.01	380.4	77.0	305.6	271.3	34.34	8.900	
4,800.0	4,782.8	4,805.9	4,782.8	17.4	17.8	94.56	380.8	76.9	306.6	271.5	35.09	8.737	
4,900.0	4,881.8	4,905.0	4,881.8	17.8	18.1	97.12	380.8	76.9	308.0	272.2	35.84	8.595	
5,000.0	4,980.9	5,004.0	4,980.9	18.2	18.5	99.65	380.8	76.9	310.1	273.5	36.58	8.477	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,079.9	5,103.0	5,079.9	18.6	18.8	102.14	380.8	76.9	312.7	275.4	37.31	8.381	
5,200.0	5,178.9	5,202.0	5,178.9	19.0	19.1	104.58	380.8	76.9	316.0	277.9	38.04	8.306	
5,300.0	5,277.9	5,301.1	5,277.9	19.4	19.5	106.98	380.8	76.9	319.8	281.0	38.77	8.249	
5,400.0	5,377.0	5,400.1	5,377.0	19.8	19.8	109.31	380.8	76.9	324.2	284.7	39.49	8.209	
5,500.0	5,476.0	5,500.9	5,476.0	20.2	20.2	111.58	380.8	76.9	329.1	288.8	40.21	8.183	
5,600.0	5,575.0	5,601.9	5,575.0	20.6	20.5	113.78	380.8	76.9	334.5	293.5	40.93	8.171	
5,700.0	5,674.0	5,702.8	5,674.0	21.0	20.9	115.90	380.8	76.9	340.4	298.7	41.65	8.172	
5,800.0	5,773.1	5,803.8	5,773.1	21.4	21.2	117.96	380.8	76.9	346.7	304.4	42.36	8.184	
5,900.0	5,872.1	5,904.8	5,872.1	21.8	21.6	119.94	380.8	76.9	353.5	310.4	43.07	8.207	
6,000.0	5,971.1	6,005.7	5,971.1	22.2	21.9	121.84	380.8	76.9	360.7	316.9	43.78	8.239	
6,100.0	6,070.2	6,106.7	6,070.2	22.6	22.3	123.67	380.8	76.9	368.3	323.8	44.49	8.278	
6,199.8	6,169.0	6,207.9	6,169.0	23.0	22.6	125.42	380.8	76.9	376.2	331.0	45.19	8.325	
6,300.0	6,268.4	6,308.5	6,268.4	23.4	23.0	127.04	380.8	76.9	383.7	337.8	45.90	8.361	
6,400.0	6,367.9	6,409.0	6,367.9	23.8	23.3	128.28	380.8	76.9	389.9	343.3	46.59	8.367	
6,500.0	6,467.6	6,509.3	6,467.6	24.2	23.7	129.18	380.8	76.9	394.5	347.2	47.29	8.342	
6,600.0	6,567.5	6,609.4	6,567.5	24.5	24.0	129.75	380.8	76.9	397.6	349.6	47.99	8.285	
6,700.0	6,667.5	6,709.4	6,667.5	24.9	24.3	130.00	380.8	76.9	398.9	350.3	48.68	8.195	
6,733.1	6,700.6	6,723.7	6,700.6	25.0	24.4	89.57	380.8	76.9	399.0	350.2	48.84	8.170	
6,800.0	6,767.5	6,809.4	6,767.5	25.2	24.7	89.57	380.8	76.9	399.0	349.7	49.37	8.082	
6,900.0	6,867.5	6,909.4	6,867.5	25.6	25.0	89.57	380.8	76.9	399.0	349.0	50.07	7.970	
7,000.0	6,967.5	7,009.4	6,967.5	25.9	25.4	89.57	380.8	76.9	399.0	348.3	50.76	7.861	
7,100.0	7,067.5	7,109.4	7,067.5	26.2	25.7	89.57	380.8	76.9	399.0	347.6	51.45	7.755	
7,200.0	7,167.5	7,209.4	7,167.5	26.6	26.1	89.57	380.8	76.9	399.0	346.9	52.15	7.652	
7,300.0	7,267.5	7,309.4	7,267.5	26.9	26.4	89.57	380.8	76.9	399.0	346.2	52.84	7.551	
7,400.0	7,367.5	7,409.4	7,367.5	27.3	26.8	89.57	380.8	76.9	399.0	345.5	53.54	7.453	
7,500.0	7,467.5	7,509.4	7,467.5	27.6	27.1	89.57	380.8	76.9	399.0	344.8	54.24	7.358	
7,600.0	7,567.5	7,609.4	7,567.5	27.9	27.5	89.57	380.8	76.9	399.0	344.1	54.93	7.264	
7,700.0	7,667.5	7,709.4	7,667.5	28.3	27.8	89.57	380.8	76.9	399.0	343.4	55.63	7.173	
7,800.0	7,767.5	7,809.4	7,767.5	28.6	28.2	89.57	380.8	76.9	399.0	342.7	56.33	7.084	
7,900.0	7,867.5	7,909.4	7,867.5	29.0	28.5	89.57	380.8	76.9	399.0	342.0	57.03	6.997	
8,000.0	7,967.5	8,009.4	7,967.5	29.3	28.9	89.57	380.8	76.9	399.0	341.3	57.73	6.913	
8,100.0	8,067.5	8,109.4	8,067.5	29.7	29.2	89.57	380.8	76.9	399.0	340.6	58.42	6.830	
8,200.0	8,167.5	8,209.4	8,167.5	30.0	29.6	89.57	380.8	76.9	399.0	339.9	59.12	6.749	
8,300.0	8,267.5	8,309.4	8,267.5	30.4	29.9	89.57	380.8	76.9	399.0	339.2	59.82	6.670	
8,400.0	8,367.5	8,409.4	8,367.5	30.7	30.3	89.57	380.8	76.9	399.0	338.5	60.53	6.593	
8,500.0	8,467.5	8,509.4	8,467.5	31.0	30.6	89.57	380.8	76.9	399.0	337.8	61.23	6.517	
8,600.0	8,567.5	8,609.4	8,567.5	31.4	31.0	89.57	380.8	76.9	399.0	337.1	61.93	6.444	
8,700.0	8,667.5	8,709.4	8,667.5	31.7	31.4	89.57	380.8	76.9	399.0	336.4	62.63	6.371	
8,800.0	8,767.5	8,809.4	8,767.5	32.1	31.7	89.57	380.8	76.9	399.0	335.7	63.33	6.301	
8,900.0	8,867.5	8,909.4	8,867.5	32.4	32.1	89.57	380.8	76.9	399.0	335.0	64.03	6.232	
9,000.0	8,967.5	9,009.4	8,967.5	32.8	32.4	89.57	380.8	76.9	399.0	334.3	64.74	6.164	
9,100.0	9,067.5	9,109.4	9,067.5	33.1	32.8	89.57	380.8	76.9	399.0	333.6	65.44	6.098	
9,200.0	9,167.5	9,209.4	9,167.5	33.5	33.1	89.57	380.8	76.9	399.0	332.9	66.14	6.033	
9,300.0	9,267.5	9,309.4	9,267.5	33.8	33.5	89.57	380.8	76.9	399.0	332.2	66.85	5.970	
9,400.0	9,367.5	9,409.4	9,367.5	34.2	33.8	89.57	380.8	76.9	399.0	331.5	67.55	5.907	
9,500.0	9,467.5	9,509.4	9,467.5	34.5	34.2	89.57	380.8	76.9	399.0	330.8	68.25	5.846	
9,600.0	9,567.5	9,609.4	9,567.5	34.9	34.5	89.57	380.8	76.9	399.0	330.1	68.96	5.787	
9,700.0	9,667.5	9,709.4	9,667.5	35.2	34.9	89.57	380.8	76.9	399.0	329.4	69.66	5.728	
9,800.0	9,767.5	9,809.4	9,767.5	35.6	35.2	89.57	380.8	76.9	399.0	328.7	70.37	5.671	
9,900.0	9,867.5	9,909.4	9,867.5	35.9	35.6	89.57	380.8	76.9	399.0	328.0	71.07	5.615	
10,000.0	9,967.5	10,009.4	9,967.5	36.3	35.9	89.57	380.8	76.9	399.0	327.3	71.78	5.559	
10,100.0	10,067.5	10,109.4	10,067.5	36.6	36.3	89.57	380.8	76.9	399.0	326.6	72.48	5.505	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,167.5	10,209.4	10,167.5	37.0	36.6	89.57	380.8	76.9	399.0	325.9	73.19	5.452	
10,300.0	10,267.5	10,309.4	10,267.5	37.3	37.0	89.57	380.8	76.9	399.0	325.1	73.90	5.400	
10,354.5	10,322.0	10,345.1	10,322.0	37.5	37.1	89.57	380.8	76.9	399.0	324.8	74.21	5.377	
10,400.0	10,367.4	10,409.5	10,367.4	37.6	37.4	-87.19	380.8	76.9	398.9	324.4	74.59	5.348	
10,450.0	10,417.0	10,440.1	10,417.0	37.8	37.5	-88.09	380.8	76.9	398.7	323.8	74.86	5.326	
10,500.0	10,465.9	10,489.0	10,465.9	37.9	37.6	-89.58	380.8	76.9	398.5	323.3	75.19	5.299	
10,511.6	10,477.1	10,500.2	10,477.1	38.0	37.7	-90.00	380.8	76.9	398.5	323.2	75.27	5.294	
10,550.0	10,513.7	10,536.8	10,513.7	38.0	37.8	-91.58	380.8	76.9	398.6	323.1	75.52	5.279	
10,600.0	10,560.0	10,583.1	10,560.0	38.2	38.0	-93.97	380.8	76.9	399.6	323.8	75.83	5.270	SF
10,650.0	10,604.5	10,627.7	10,604.5	38.3	38.1	-96.61	380.8	76.9	402.0	325.9	76.13	5.280	
10,700.0	10,646.9	10,670.0	10,646.9	38.3	38.3	-99.35	380.8	76.9	406.3	329.9	76.41	5.318	
10,750.0	10,686.8	10,709.9	10,686.8	38.4	38.4	-101.99	380.8	76.9	413.3	336.6	76.68	5.390	
10,800.0	10,723.9	10,747.0	10,723.9	38.5	38.6	-104.37	380.8	76.9	423.4	346.5	76.91	5.505	
10,850.0	10,758.0	10,781.1	10,758.0	38.5	38.7	-106.32	380.8	76.9	437.2	360.0	77.12	5.668	
10,900.0	10,788.7	10,811.8	10,788.7	38.6	38.8	-107.70	380.8	76.9	454.8	377.5	77.30	5.884	
10,950.0	10,815.9	10,839.0	10,815.9	38.6	38.9	-108.38	380.8	76.9	476.4	399.0	77.44	6.152	
11,000.0	10,839.3	10,862.5	10,839.3	38.6	39.0	-108.23	380.8	76.9	502.0	424.4	77.55	6.473	
11,050.0	10,858.8	10,882.0	10,858.8	38.7	39.0	-107.13	380.8	76.9	531.2	453.6	77.63	6.843	
11,100.0	10,874.2	10,902.6	10,874.2	38.7	39.1	-104.94	380.8	76.9	563.8	486.1	77.70	7.256	
11,150.0	10,885.4	10,908.6	10,885.4	38.7	39.1	-101.52	380.8	76.9	599.3	521.6	77.71	7.712	
11,200.0	10,892.4	10,915.5	10,892.4	38.8	39.1	-96.76	380.8	76.9	637.1	559.4	77.70	8.199	
11,254.5	10,895.0	10,918.1	10,895.0	38.9	39.2	-90.00	380.8	76.9	680.4	602.8	77.68	8.759	
11,300.0	10,895.0	10,918.1	10,895.0	39.0	39.2	-90.00	380.8	76.9	718.0	640.3	77.65	9.246	
11,407.5	10,895.0	10,918.1	10,895.0	39.3	39.2	-90.00	380.8	76.9	811.3	733.7	77.61	10.454	
11,500.0	10,895.0	10,918.1	10,895.0	39.6	39.2	-90.00	380.8	76.9	895.0	817.4	77.58	11.537	
11,600.0	10,895.0	10,918.1	10,895.0	40.0	39.2	-90.00	380.8	76.9	987.1	909.6	77.55	12.729	
11,700.0	10,895.0	10,918.1	10,895.0	40.5	39.2	-90.00	380.8	76.9	1,080.7	1,003.2	77.53	13.938	
11,800.0	10,895.0	10,918.1	10,895.0	41.0	39.2	-90.00	380.8	76.9	1,175.3	1,097.8	77.52	15.161	
11,900.0	10,895.0	10,918.1	10,895.0	41.6	39.2	-90.00	380.8	76.9	1,270.8	1,193.3	77.52	16.394	
12,000.0	10,895.0	10,918.1	10,895.0	42.2	39.2	-90.00	380.8	76.9	1,366.9	1,289.4	77.52	17.634	
12,100.0	10,895.0	10,918.1	10,895.0	42.9	39.2	-90.00	380.8	76.9	1,463.5	1,386.0	77.52	18.880	
12,200.0	10,895.0	10,918.1	10,895.0	43.6	39.2	-90.00	380.8	76.9	1,560.6	1,483.0	77.52	20.131	
12,300.0	10,895.0	10,918.1	10,895.0	44.4	39.2	-90.00	380.8	76.9	1,658.0	1,580.4	77.53	21.386	
12,400.0	10,895.0	10,918.1	10,895.0	45.2	39.2	-90.00	380.8	76.9	1,755.7	1,678.1	77.53	22.644	
12,500.0	10,895.0	10,918.1	10,895.0	46.1	39.2	-90.00	380.8	76.9	1,853.6	1,776.0	77.54	23.904	
12,600.0	10,895.0	10,918.1	10,895.0	47.0	39.2	-90.00	380.8	76.9	1,951.7	1,874.2	77.56	25.165	
12,700.0	10,895.0	10,918.1	10,895.0	48.0	39.2	-90.00	380.8	76.9	2,050.1	1,972.5	77.57	26.428	
12,800.0	10,895.0	10,918.1	10,895.0	49.0	39.2	-90.00	380.8	76.9	2,148.5	2,071.0	77.59	27.693	
12,900.0	10,895.0	10,918.1	10,895.0	50.0	39.2	-90.00	380.8	76.9	2,247.2	2,169.6	77.60	28.957	
13,000.0	10,895.0	10,918.1	10,895.0	51.1	39.2	-90.00	380.8	76.9	2,345.9	2,268.3	77.62	30.222	
13,100.0	10,895.0	10,918.1	10,895.0	52.2	39.2	-90.00	380.8	76.9	2,444.7	2,367.1	77.64	31.488	
13,200.0	10,895.0	10,918.1	10,895.0	53.3	39.2	-90.00	380.8	76.9	2,543.7	2,466.0	77.66	32.753	
13,300.0	10,895.0	10,918.1	10,895.0	54.4	39.2	-90.00	380.8	76.9	2,642.7	2,565.0	77.68	34.018	
13,400.0	10,895.0	10,918.1	10,895.0	55.6	39.2	-90.00	380.8	76.9	2,741.7	2,664.0	77.71	35.283	
13,500.0	10,895.0	10,918.1	10,895.0	56.8	39.2	-90.00	380.8	76.9	2,840.9	2,763.2	77.73	36.547	
13,600.0	10,895.0	16,427.2	13,732.0	58.0	65.2	-173.26	-2,536.7	70.2	2,856.7	2,794.6	62.18	45.942	
13,700.0	10,895.0	16,527.2	13,732.0	59.2	66.4	-173.26	-2,636.7	71.0	2,856.7	2,793.3	63.39	45.068	
13,800.0	10,895.0	16,627.2	13,732.0	60.5	67.5	-173.26	-2,736.7	71.8	2,856.7	2,792.1	64.61	44.215	
13,900.0	10,895.0	16,727.2	13,732.0	61.8	68.6	-173.26	-2,836.7	72.5	2,856.7	2,790.9	65.85	43.383	
14,000.0	10,895.0	16,827.2	13,732.0	63.1	69.8	-173.26	-2,936.7	73.3	2,856.7	2,789.6	67.10	42.572	
14,100.0	10,895.0	16,927.2	13,732.0	64.4	71.0	-173.26	-3,036.7	74.1	2,856.7	2,788.4	68.37	41.782	
14,200.0	10,895.0	17,027.2	13,732.0	65.7	72.2	-173.26	-3,136.7	74.9	2,856.7	2,787.1	69.65	41.013	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,300.0	10,895.0	17,127.2	13,732.0	67.0	73.4	-173.26	-3,236.7	75.7	2,856.7	2,785.8	70.95	40.265	
14,400.0	10,895.0	17,227.2	13,732.0	68.4	74.7	-173.26	-3,336.7	76.5	2,856.7	2,784.5	72.26	39.537	
14,500.0	10,895.0	17,327.2	13,732.0	69.8	75.9	-173.26	-3,436.7	77.2	2,856.7	2,783.2	73.57	38.828	
14,600.0	10,895.0	17,427.2	13,732.0	71.1	77.2	-173.26	-3,536.7	78.0	2,856.7	2,781.8	74.90	38.139	
14,700.0	10,895.0	17,527.2	13,732.0	72.5	78.5	-173.26	-3,636.7	78.8	2,856.7	2,780.5	76.24	37.469	
14,800.0	10,895.0	17,627.2	13,732.0	73.9	79.8	-173.26	-3,736.7	79.6	2,856.7	2,779.2	77.59	36.817	
14,900.0	10,895.0	17,727.2	13,732.0	75.3	81.1	-173.26	-3,836.7	80.4	2,856.7	2,777.8	78.95	36.184	
15,000.0	10,895.0	17,827.2	13,732.0	76.7	82.5	-173.26	-3,936.7	81.1	2,856.7	2,776.4	80.32	35.567	
15,100.0	10,895.0	17,927.2	13,732.0	78.2	83.8	-173.26	-4,036.6	81.9	2,856.8	2,775.1	81.70	34.968	
15,200.0	10,895.0	18,027.2	13,732.0	79.6	85.1	-173.26	-4,136.6	82.7	2,856.8	2,773.7	83.08	34.386	
15,300.0	10,895.0	18,127.2	13,732.0	81.1	86.5	-173.26	-4,236.6	83.5	2,856.8	2,772.3	84.47	33.819	
15,400.0	10,895.0	18,227.2	13,732.0	82.5	87.9	-173.26	-4,336.6	84.3	2,856.8	2,770.9	85.87	33.268	
15,500.0	10,895.0	18,327.2	13,732.0	84.0	89.2	-173.26	-4,436.6	85.1	2,856.8	2,769.5	87.28	32.732	
15,600.0	10,895.0	18,427.2	13,732.0	85.4	90.6	-173.26	-4,536.6	85.8	2,856.8	2,768.1	88.69	32.210	
15,700.0	10,895.0	18,527.2	13,732.0	86.9	92.0	-173.26	-4,636.6	86.6	2,856.8	2,766.6	90.11	31.703	
15,800.0	10,895.0	18,627.2	13,732.0	88.4	93.4	-173.26	-4,736.6	87.4	2,856.8	2,765.2	91.53	31.210	
15,900.0	10,895.0	18,727.2	13,732.0	89.9	94.9	-173.26	-4,836.6	88.2	2,856.8	2,763.8	92.97	30.729	
16,000.0	10,895.0	18,827.2	13,732.0	91.4	96.3	-173.26	-4,936.6	89.0	2,856.8	2,762.4	94.40	30.262	
16,100.0	10,895.0	18,927.2	13,732.0	92.8	97.7	-173.26	-5,036.6	89.7	2,856.8	2,760.9	95.84	29.806	
16,200.0	10,895.0	19,027.2	13,732.0	94.3	99.1	-173.26	-5,136.6	90.5	2,856.8	2,759.5	97.29	29.363	
16,300.0	10,895.0	19,127.2	13,732.0	95.9	100.6	-173.26	-5,236.6	91.3	2,856.8	2,758.0	98.74	28.931	
16,400.0	10,895.0	19,227.2	13,732.0	97.4	102.0	-173.26	-5,336.6	92.1	2,856.8	2,756.6	100.20	28.511	
16,500.0	10,895.0	19,327.2	13,732.0	98.9	103.5	-173.26	-5,436.6	92.9	2,856.8	2,755.1	101.66	28.101	
16,600.0	10,895.0	19,427.2	13,732.0	100.4	104.9	-173.26	-5,536.6	93.7	2,856.8	2,753.6	103.12	27.702	
16,700.0	10,895.0	19,527.2	13,732.0	101.9	106.4	-173.26	-5,636.6	94.4	2,856.8	2,752.2	104.59	27.313	
16,800.0	10,895.0	19,627.2	13,732.0	103.4	107.9	-173.26	-5,736.6	95.2	2,856.8	2,750.7	106.07	26.934	
16,900.0	10,895.0	19,727.2	13,732.0	105.0	109.4	-173.25	-5,836.6	96.0	2,856.8	2,749.2	107.54	26.564	
17,000.0	10,895.0	19,827.2	13,732.0	106.5	110.8	-173.25	-5,936.6	96.8	2,856.8	2,747.8	109.02	26.203	
17,100.0	10,895.0	19,927.2	13,732.0	108.1	112.3	-173.25	-6,036.6	97.6	2,856.8	2,746.3	110.51	25.851	
17,200.0	10,895.0	20,027.2	13,732.0	109.6	113.8	-173.25	-6,136.6	98.3	2,856.8	2,744.8	111.99	25.508	
17,300.0	10,895.0	20,127.2	13,732.0	111.1	115.3	-173.25	-6,236.6	99.1	2,856.8	2,743.3	113.49	25.173	
17,400.0	10,895.0	20,227.2	13,732.0	112.7	116.8	-173.25	-6,336.6	99.9	2,856.8	2,741.8	114.98	24.846	
17,500.0	10,895.0	20,327.2	13,732.0	114.2	118.3	-173.25	-6,436.6	100.7	2,856.8	2,740.3	116.47	24.527	
17,600.0	10,895.0	20,427.2	13,732.0	115.8	119.8	-173.25	-6,536.6	101.5	2,856.8	2,738.8	117.97	24.215	
17,700.0	10,895.0	20,527.2	13,732.0	117.3	121.3	-173.25	-6,636.6	102.3	2,856.8	2,737.3	119.48	23.911	
17,800.0	10,895.0	20,627.2	13,732.0	118.9	122.9	-173.25	-6,736.6	103.0	2,856.8	2,735.8	120.98	23.614	
17,900.0	10,895.0	20,727.2	13,732.0	120.5	124.4	-173.25	-6,836.6	103.8	2,856.8	2,734.3	122.49	23.323	
18,000.0	10,895.0	20,827.2	13,732.0	122.0	125.9	-173.25	-6,936.6	104.6	2,856.8	2,732.8	124.00	23.039	
18,100.0	10,895.0	20,927.2	13,732.0	123.6	127.4	-173.25	-7,036.6	105.4	2,856.8	2,731.3	125.51	22.762	
18,200.0	10,895.0	21,027.2	13,732.0	125.1	128.9	-173.25	-7,136.6	106.2	2,856.8	2,729.8	127.02	22.490	
18,300.0	10,895.0	21,127.2	13,732.0	126.7	130.5	-173.25	-7,236.6	106.9	2,856.8	2,728.3	128.54	22.225	
18,400.0	10,895.0	21,227.2	13,732.0	128.3	132.0	-173.25	-7,336.5	107.7	2,856.8	2,726.7	130.06	21.965	
18,500.0	10,895.0	21,327.2	13,732.0	129.9	133.6	-173.25	-7,436.5	108.5	2,856.8	2,725.2	131.58	21.712	
18,600.0	10,895.0	21,427.2	13,732.0	131.4	135.1	-173.25	-7,536.5	109.3	2,856.8	2,723.7	133.10	21.463	
18,700.0	10,895.0	21,527.2	13,732.0	133.0	136.6	-173.25	-7,636.5	110.1	2,856.8	2,722.2	134.63	21.220	
18,800.0	10,895.0	21,627.2	13,732.0	134.6	138.2	-173.25	-7,736.5	110.8	2,856.8	2,720.6	136.15	20.982	
18,900.0	10,895.0	21,727.2	13,732.0	136.2	139.7	-173.25	-7,836.5	111.6	2,856.8	2,719.1	137.68	20.749	
19,000.0	10,895.0	21,827.2	13,732.0	137.7	141.3	-173.25	-7,936.5	112.4	2,856.8	2,717.6	139.21	20.521	
19,100.0	10,895.0	21,927.2	13,732.0	139.3	142.8	-173.25	-8,036.5	113.2	2,856.8	2,716.1	140.74	20.298	
19,200.0	10,895.0	22,027.2	13,732.0	140.9	144.4	-173.25	-8,136.5	114.0	2,856.8	2,714.5	142.28	20.079	
19,300.0	10,895.0	22,127.2	13,732.0	142.5	145.9	-173.25	-8,236.5	114.8	2,856.8	2,713.0	143.81	19.865	
19,400.0	10,895.0	22,227.2	13,732.0	144.1	147.5	-173.25	-8,336.5	115.5	2,856.8	2,711.5	145.35	19.655	

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 Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1 — **Offset Site Error:** 0.0 usft

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

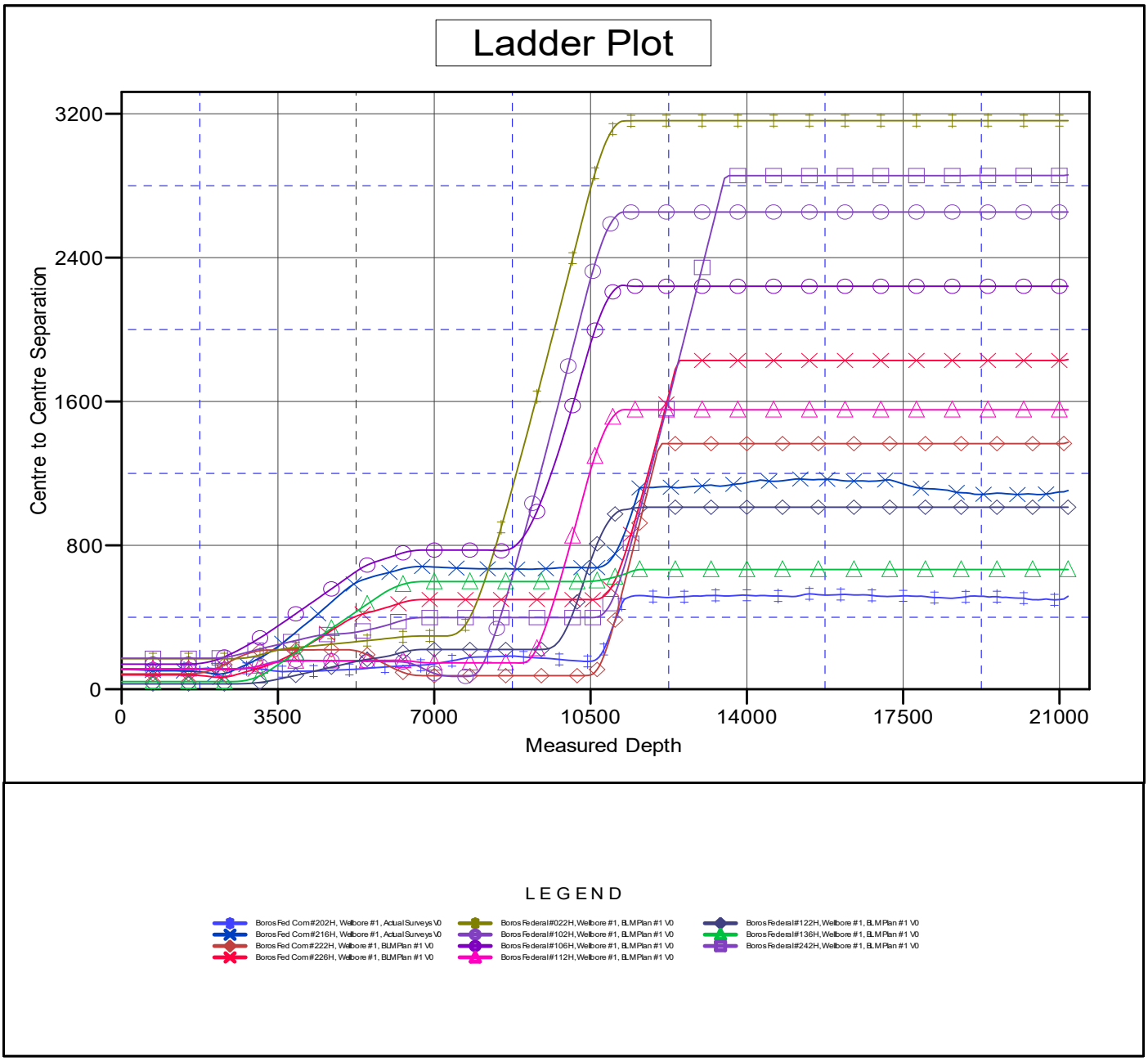
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.0	10,895.0	22,327.2	13,732.0	145.7	149.1	-173.25	-8,436.5	116.3	2,856.8	2,709.9	146.88	19.449	
19,600.0	10,895.0	22,427.2	13,732.0	147.3	150.6	-173.25	-8,536.5	117.1	2,856.8	2,708.4	148.42	19.248	
19,700.0	10,895.0	22,527.2	13,732.0	148.9	152.2	-173.25	-8,636.5	117.9	2,856.8	2,706.8	149.96	19.050	
19,800.0	10,895.0	22,627.2	13,732.0	150.5	153.8	-173.25	-8,736.5	118.7	2,856.8	2,705.3	151.51	18.856	
19,900.0	10,895.0	22,727.2	13,732.0	152.0	155.3	-173.25	-8,836.5	119.4	2,856.8	2,703.8	153.05	18.666	
20,000.0	10,895.0	22,827.2	13,732.0	153.6	156.9	-173.25	-8,936.5	120.2	2,856.8	2,702.2	154.59	18.479	
20,100.0	10,895.0	22,927.2	13,732.0	155.2	158.5	-173.25	-9,036.5	121.0	2,856.8	2,700.7	156.14	18.297	
20,200.0	10,895.0	23,027.2	13,732.0	156.8	160.0	-173.25	-9,136.5	121.8	2,856.8	2,699.1	157.69	18.117	
20,300.0	10,895.0	23,127.2	13,732.0	158.4	161.6	-173.25	-9,236.5	122.6	2,856.8	2,697.6	159.23	17.941	
20,400.0	10,895.0	23,227.2	13,732.0	160.0	163.2	-173.25	-9,336.5	123.4	2,856.8	2,696.0	160.78	17.768	
20,500.0	10,895.0	23,327.2	13,732.0	161.6	164.8	-173.25	-9,436.5	124.1	2,856.8	2,694.5	162.33	17.598	
20,600.0	10,895.0	23,427.2	13,732.0	163.2	166.3	-173.25	-9,536.5	124.9	2,856.8	2,692.9	163.89	17.432	
20,700.0	10,895.0	23,527.2	13,732.0	164.8	167.9	-173.25	-9,636.5	125.7	2,856.8	2,691.4	165.44	17.268	
20,800.0	10,895.0	23,627.2	13,732.0	166.4	169.5	-173.25	-9,736.5	126.5	2,856.8	2,689.8	166.99	17.108	
20,900.0	10,895.0	23,727.2	13,732.0	168.0	171.1	-173.25	-9,836.5	127.3	2,856.8	2,688.3	168.55	16.950	
21,000.0	10,895.0	23,827.2	13,732.0	169.6	172.6	-173.25	-9,936.5	128.0	2,856.8	2,686.8	170.00	16.805	
21,002.6	10,895.0	23,829.8	13,732.0	169.7	172.7	-173.25	-9,939.0	128.1	2,856.8	2,686.8	170.03	16.802	
21,100.0	10,895.0	23,881.2	13,732.0	171.2	173.4	-173.25	-9,990.4	128.5	2,857.2	2,686.4	170.83	16.725	
21,194.3	10,895.0	23,881.2	13,732.0	172.8	173.4	-173.25	-9,990.4	128.5	2,860.3	2,689.2	171.12	16.715	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3255.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #132H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

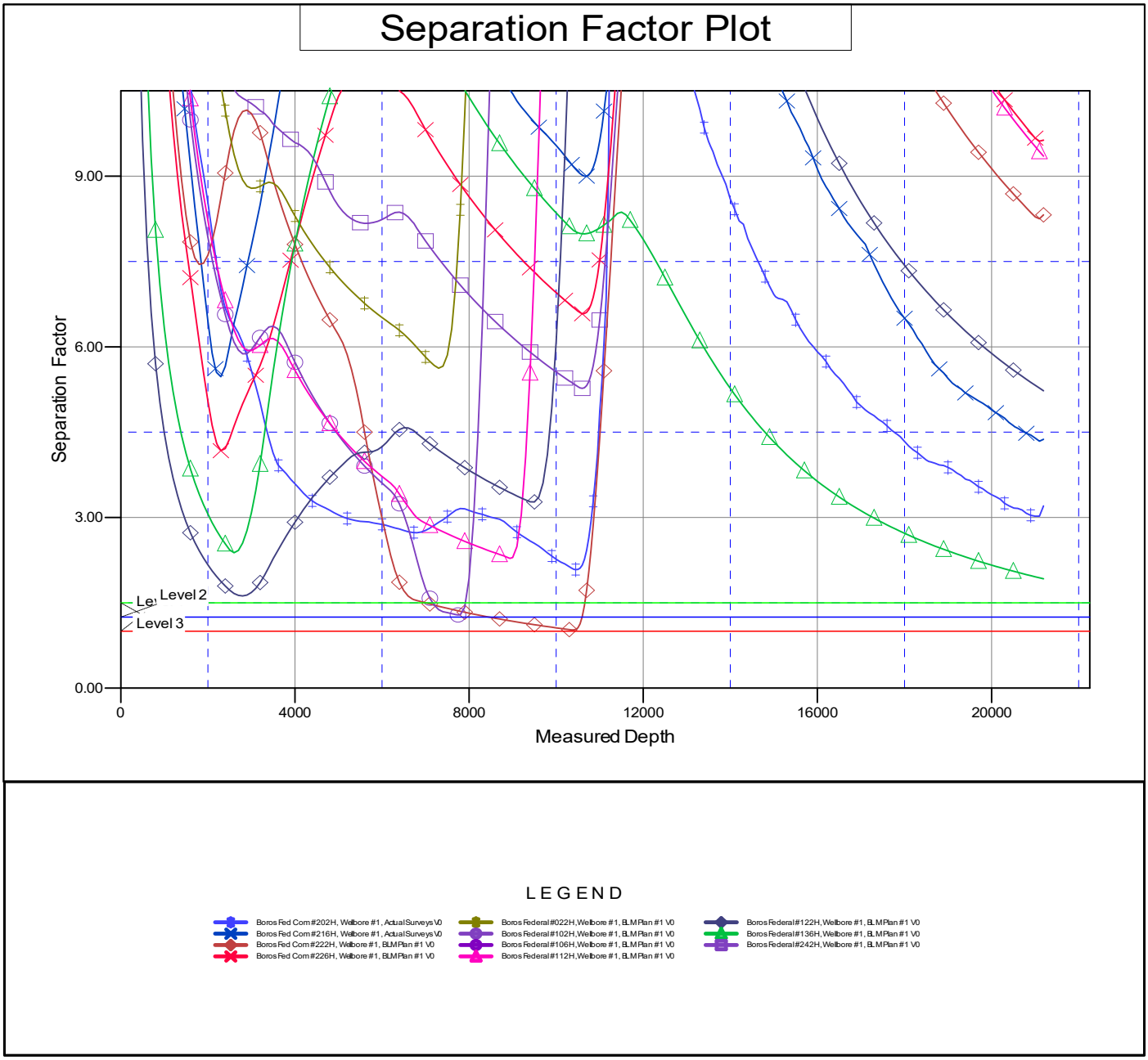


Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3255.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3255.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	BLM Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3255.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #132H
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 Federal #132H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 9/9/2020

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 7.54°
To convert a Magnetic Direction to a True Direction, Add 7.84° 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: 7.54°

Magnetic Field
Strength: 48635.2snT
Dip Angle: 60.02°
Date: 9/9/2020
Model: IGRF2015

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.0	21194.3	BLM Plan #1 (Wellbore #1)	MWD

WELL DETAILS: Boros Federal #132H

GL @ 3227.0 KB @ 3255.5usft

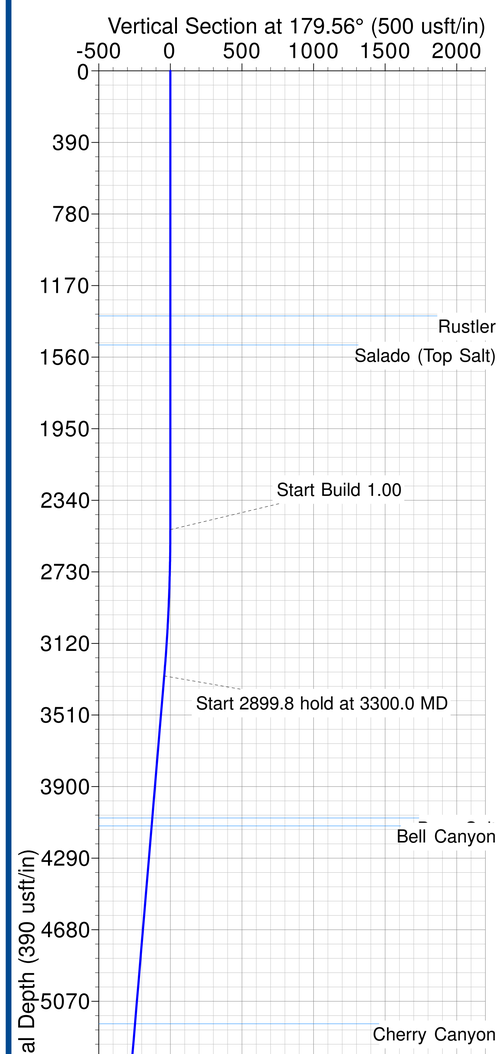
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	381946.18	675173.09	32° 2' 55.767 N	103° 46' 4.632 W	

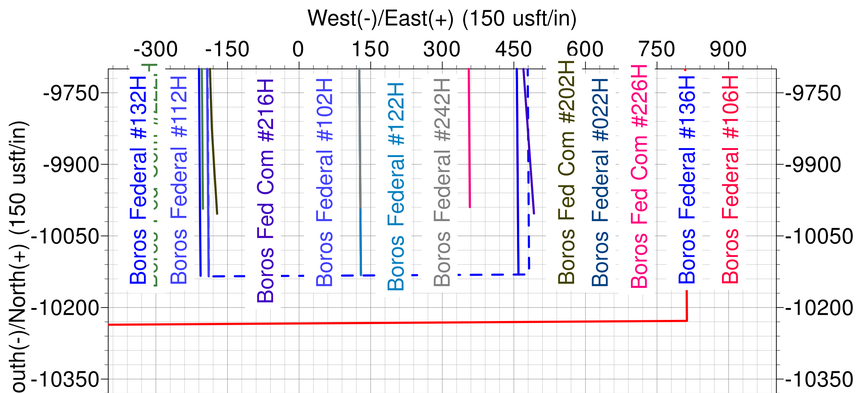
DESIGN TARGET DETAILS

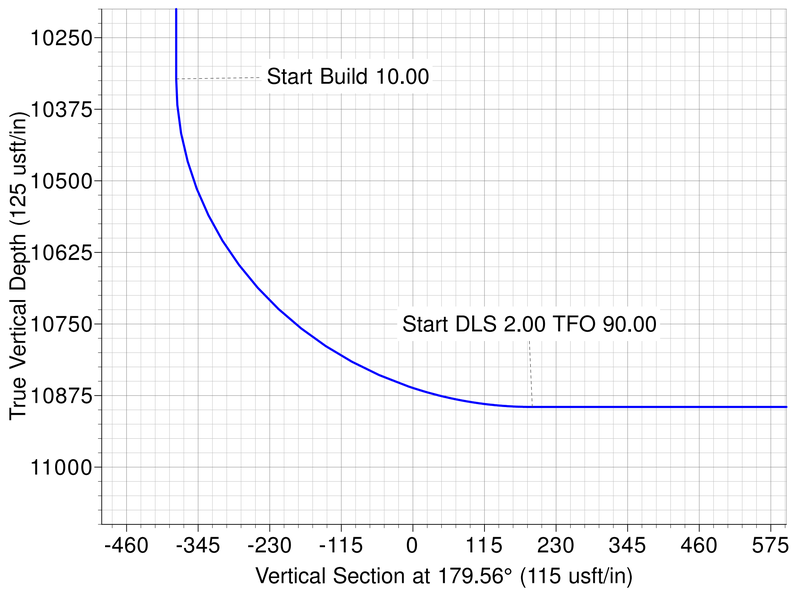
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Federal #132H	10322.0	377.8	-322.1	382324.00	674851.00	32° 2' 59.523 N	103° 46' 8.352 W
BHL - Boros Federal #132H	10895.0	-10133.4	-206.4	371812.01	674966.65	32° 1' 15.488 N	103° 46' 7.646 W

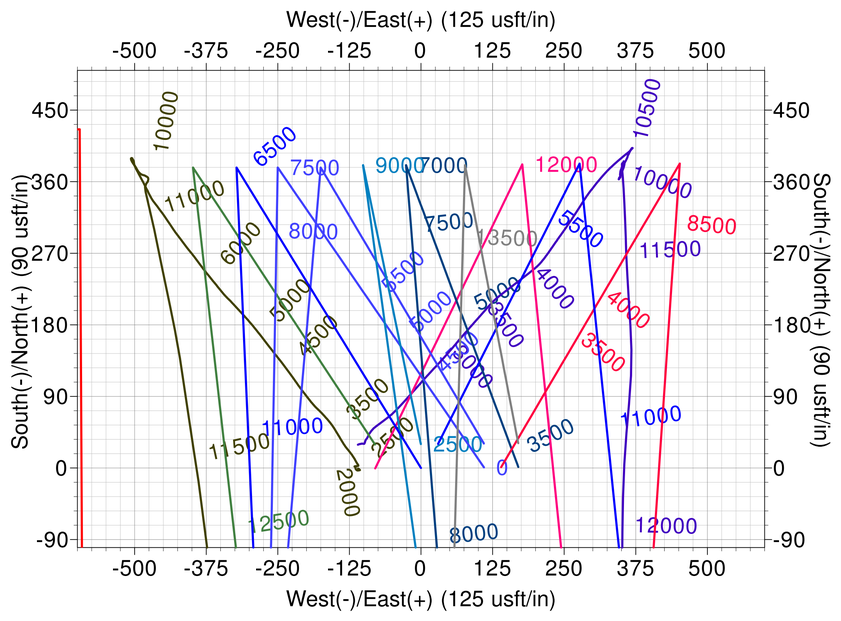
SECTION DETAILS

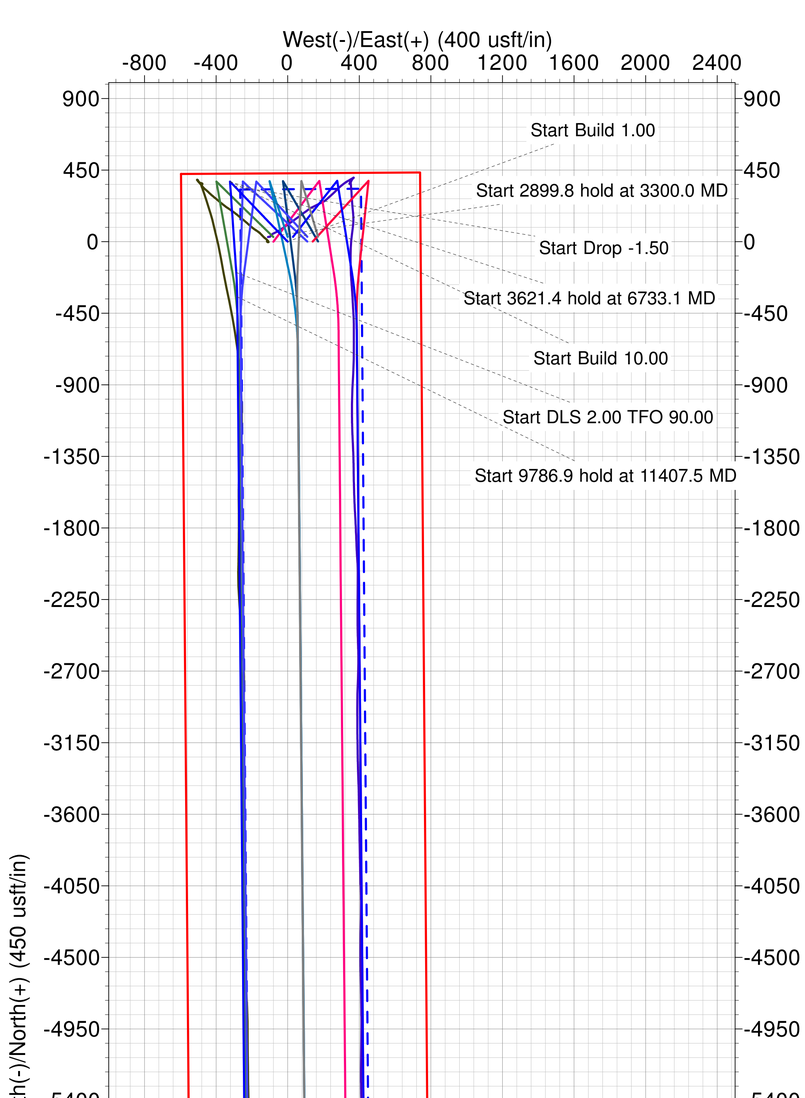
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
3300.0	8.00	319.55	3297.4	42.4	-36.2	1.00	319.55	-42.7	Start 2899.8 hold at 3300.0 MD
6199.8	8.00	319.55	6169.0	349.6	-298.0	0.00	0.00	-351.8	Start Drop -1.50
6733.1	0.00	0.00	6700.6	377.8	-322.1	1.50	180.00	-380.3	Start 3621.4 hold at 6733.1 MD
10354.5	0.00	0.00	10322.0	377.8	-322.1	0.00	0.00	-380.3	Start Build 10.00
11254.5	90.00	176.50	10895.0	-194.0	-287.1	10.00	176.50	191.8	Start DLS 2.00 TFO 90.00
11407.5	90.00	179.56	10895.0	-346.9	-281.9	2.00	90.00	344.7	Start 9786.9 hold at 11407.5 MD
21194.3	90.00	179.56	10895.0	-10133.4	-206.4	0.00	0.00	10131.6	TD at 21194.3

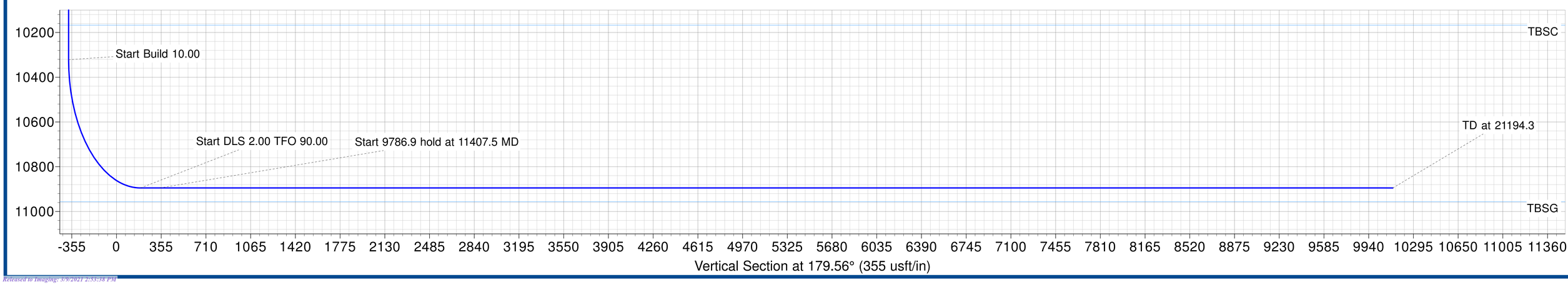












Matador Production Company

Rustler Breaks
Boros
Boros Federal #132H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

11 September, 2020

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**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 Federal #132H

Well Position	**+N/-S**	-7.2 usft	**Northing:**	381,946.18 usft	**Latitude:**	32° 2' 55.767 N
	+E/-W	-1,006.9 usft	**Easting:**	675,173.08 usft	**Longitude:**	103° 46' 4.632 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,227.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/9/2020	7.84	60.02	48,635.19279278

Design BLM Plan #1

Audit Notes:

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

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

Plan Survey Tool Program **Date** 9/11/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	21,194.3	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	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,300.0	8.00	319.55	3,297.4	42.4	-36.2	1.00	1.00	0.00	319.55	
6,199.8	8.00	319.55	6,169.0	349.6	-298.0	0.00	0.00	0.00	0.00	
6,733.1	0.00	0.00	6,700.6	377.8	-322.1	1.50	-1.50	0.00	180.00	
10,354.5	0.00	0.00	10,322.0	377.8	-322.1	0.00	0.00	0.00	0.00	VP - Boros Federal
11,254.5	90.00	176.50	10,895.0	-194.0	-287.1	10.00	10.00	0.00	176.50	
11,407.5	90.00	179.56	10,895.0	-346.9	-281.9	2.00	0.00	2.00	90.00	
21,194.3	90.00	179.56	10,895.0	-10,133.4	-206.4	0.00	0.00	0.00	0.00	BHL - Boros Federa

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,335.4	0.00	0.00	1,335.4	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,494.0	0.00	0.00	1,494.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado (Top Salt)									
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
2,600.0	1.00	319.55	2,600.0	0.7	-0.6	-0.7	1.00	1.00	0.00
2,700.0	2.00	319.55	2,700.0	2.7	-2.3	-2.7	1.00	1.00	0.00
2,800.0	3.00	319.55	2,799.9	6.0	-5.1	-6.0	1.00	1.00	0.00
2,900.0	4.00	319.55	2,899.7	10.6	-9.1	-10.7	1.00	1.00	0.00
3,000.0	5.00	319.55	2,999.4	16.6	-14.1	-16.7	1.00	1.00	0.00
3,100.0	6.00	319.55	3,098.9	23.9	-20.4	-24.0	1.00	1.00	0.00
3,200.0	7.00	319.55	3,198.3	32.5	-27.7	-32.7	1.00	1.00	0.00
3,300.0	8.00	319.55	3,297.4	42.4	-36.2	-42.7	1.00	1.00	0.00
Start 2899.8 hold at 3300.0 MD									
3,400.0	8.00	319.55	3,396.4	53.0	-45.2	-53.4	0.00	0.00	0.00
3,500.0	8.00	319.55	3,495.5	63.6	-54.2	-64.0	0.00	0.00	0.00
3,600.0	8.00	319.55	3,594.5	74.2	-63.3	-74.7	0.00	0.00	0.00
3,700.0	8.00	319.55	3,693.5	84.8	-72.3	-85.4	0.00	0.00	0.00
3,800.0	8.00	319.55	3,792.5	95.4	-81.3	-96.0	0.00	0.00	0.00
3,900.0	8.00	319.55	3,891.6	106.0	-90.3	-106.7	0.00	0.00	0.00
4,000.0	8.00	319.55	3,990.6	116.6	-99.4	-117.3	0.00	0.00	0.00
4,081.7	8.00	319.55	4,071.5	125.2	-106.8	-126.0	0.00	0.00	0.00
Base Salt									
4,100.0	8.00	319.55	4,089.6	127.2	-108.4	-128.0	0.00	0.00	0.00
4,125.2	8.00	319.55	4,114.5	129.8	-110.7	-130.7	0.00	0.00	0.00
Bell Canyon									
4,200.0	8.00	319.55	4,188.6	137.8	-117.4	-138.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.0	8.00	319.55	4,287.7	148.3	-126.5	-149.3	0.00	0.00	0.00
4,400.0	8.00	319.55	4,386.7	158.9	-135.5	-160.0	0.00	0.00	0.00
4,500.0	8.00	319.55	4,485.7	169.5	-144.5	-170.6	0.00	0.00	0.00
4,600.0	8.00	319.55	4,584.8	180.1	-153.5	-181.3	0.00	0.00	0.00
4,700.0	8.00	319.55	4,683.8	190.7	-162.6	-192.0	0.00	0.00	0.00
4,800.0	8.00	319.55	4,782.8	201.3	-171.6	-202.6	0.00	0.00	0.00
4,900.0	8.00	319.55	4,881.8	211.9	-180.6	-213.3	0.00	0.00	0.00
5,000.0	8.00	319.55	4,980.9	222.5	-189.7	-223.9	0.00	0.00	0.00
5,100.0	8.00	319.55	5,079.9	233.1	-198.7	-234.6	0.00	0.00	0.00
5,200.0	8.00	319.55	5,178.9	243.7	-207.7	-245.3	0.00	0.00	0.00
5,214.1	8.00	319.55	5,192.8	245.2	-209.0	-246.8	0.00	0.00	0.00
Cherry Canyon									
5,300.0	8.00	319.55	5,277.9	254.3	-216.8	-255.9	0.00	0.00	0.00
5,400.0	8.00	319.55	5,377.0	264.8	-225.8	-266.6	0.00	0.00	0.00
5,500.0	8.00	319.55	5,476.0	275.4	-234.8	-277.2	0.00	0.00	0.00
5,600.0	8.00	319.55	5,575.0	286.0	-243.8	-287.9	0.00	0.00	0.00
5,700.0	8.00	319.55	5,674.0	296.6	-252.9	-298.6	0.00	0.00	0.00
5,800.0	8.00	319.55	5,773.1	307.2	-261.9	-309.2	0.00	0.00	0.00
5,900.0	8.00	319.55	5,872.1	317.8	-270.9	-319.9	0.00	0.00	0.00
6,000.0	8.00	319.55	5,971.1	328.4	-280.0	-330.5	0.00	0.00	0.00
6,100.0	8.00	319.55	6,070.2	339.0	-289.0	-341.2	0.00	0.00	0.00
6,199.8	8.00	319.55	6,169.0	349.6	-298.0	-351.8	0.00	0.00	0.00
Start Drop -1.50									
6,200.0	8.00	319.55	6,169.2	349.6	-298.0	-351.9	0.00	0.00	0.00
6,300.0	6.50	319.55	6,268.4	359.2	-306.2	-361.5	1.50	-1.50	0.00
6,400.0	5.00	319.55	6,367.9	366.8	-312.7	-369.2	1.50	-1.50	0.00
6,410.1	4.84	319.55	6,378.0	367.5	-313.3	-369.8	1.50	-1.50	0.00
Brushy Canyon									
6,500.0	3.50	319.55	6,467.6	372.4	-317.5	-374.9	1.50	-1.50	0.00
6,600.0	2.00	319.55	6,567.5	376.1	-320.6	-378.5	1.50	-1.50	0.00
6,700.0	0.50	319.55	6,667.5	377.7	-322.0	-380.2	1.50	-1.50	0.00
6,733.1	0.00	0.00	6,700.6	377.8	-322.1	-380.3	1.50	-1.50	0.00
Start 3621.4 hold at 6733.1 MD									
6,800.0	0.00	0.00	6,767.5	377.8	-322.1	-380.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,867.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,967.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,100.0	0.00	0.00	7,067.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,167.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,267.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,367.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,467.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,524.0	0.00	0.00	7,491.5	377.8	-322.1	-380.3	0.00	0.00	0.00
L. Brushy Canyon									
7,600.0	0.00	0.00	7,567.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,667.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,767.5	377.8	-322.1	-380.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,867.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,967.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,096.3	0.00	0.00	8,063.8	377.8	-322.1	-380.3	0.00	0.00	0.00
BSGL									
8,100.0	0.00	0.00	8,067.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,167.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,223.2	0.00	0.00	8,190.6	377.8	-322.1	-380.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Avalon-SS									
8,300.0	0.00	0.00	8,267.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,367.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,467.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,567.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,667.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,767.5	377.8	-322.1	-380.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,867.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,967.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,100.0	0.00	0.00	9,067.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,167.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,232.8	0.00	0.00	9,200.2	377.8	-322.1	-380.3	0.00	0.00	0.00
FBSG									
9,300.0	0.00	0.00	9,267.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,367.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,478.3	0.00	0.00	9,445.8	377.8	-322.1	-380.3	0.00	0.00	0.00
SBSC									
9,500.0	0.00	0.00	9,467.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,567.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,667.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,762.9	0.00	0.00	9,730.3	377.8	-322.1	-380.3	0.00	0.00	0.00
SBSG									
9,800.0	0.00	0.00	9,767.5	377.8	-322.1	-380.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,867.5	377.8	-322.1	-380.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,967.5	377.8	-322.1	-380.3	0.00	0.00	0.00
10,100.0	0.00	0.00	10,067.5	377.8	-322.1	-380.3	0.00	0.00	0.00
10,199.8	0.00	0.00	10,167.3	377.8	-322.1	-380.3	0.00	0.00	0.00
TBSC									
10,200.0	0.00	0.00	10,167.5	377.8	-322.1	-380.3	0.00	0.00	0.00
10,300.0	0.00	0.00	10,267.5	377.8	-322.1	-380.3	0.00	0.00	0.00
10,354.5	0.00	0.00	10,322.0	377.8	-322.1	-380.3	0.00	0.00	0.00
Start Build 10.00 - VP - Boros Federal #132H									
10,400.0	4.55	176.50	10,367.4	376.0	-322.0	-378.5	10.00	10.00	0.00
10,500.0	14.55	176.50	10,465.9	359.5	-321.0	-362.0	10.00	10.00	0.00
10,600.0	24.55	176.50	10,560.0	326.2	-318.9	-328.6	10.00	10.00	0.00
10,700.0	34.55	176.50	10,646.9	277.0	-315.9	-279.4	10.00	10.00	0.00
10,800.0	44.55	176.50	10,723.9	213.5	-312.1	-215.9	10.00	10.00	0.00
10,900.0	54.55	176.50	10,788.7	137.7	-307.4	-140.0	10.00	10.00	0.00
11,000.0	64.55	176.50	10,839.3	51.7	-302.2	-54.1	10.00	10.00	0.00
11,100.0	74.55	176.50	10,874.2	-41.7	-296.5	39.4	10.00	10.00	0.00
11,200.0	84.55	176.50	10,892.4	-139.7	-290.5	137.5	10.00	10.00	0.00
11,254.5	90.00	176.50	10,895.0	-194.0	-287.1	191.8	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
11,300.0	90.00	177.41	10,895.0	-239.4	-284.7	237.2	2.00	0.00	2.00
11,400.0	90.00	179.41	10,895.0	-339.4	-281.9	337.2	2.00	0.00	2.00
11,407.5	90.00	179.56	10,895.0	-346.9	-281.9	344.7	2.00	0.00	2.00
Start 9786.9 hold at 11407.5 MD									
11,500.0	90.00	179.56	10,895.0	-439.4	-281.2	437.2	0.00	0.00	0.00
11,600.0	90.00	179.56	10,895.0	-539.4	-280.4	537.2	0.00	0.00	0.00
11,700.0	90.00	179.56	10,895.0	-639.4	-279.6	637.2	0.00	0.00	0.00
11,800.0	90.00	179.56	10,895.0	-739.4	-278.8	737.2	0.00	0.00	0.00
11,900.0	90.00	179.56	10,895.0	-839.4	-278.1	837.2	0.00	0.00	0.00
12,000.0	90.00	179.56	10,895.0	-939.4	-277.3	937.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.0	90.00	179.56	10,895.0	-1,039.4	-276.5	1,037.2	0.00	0.00	0.00
12,200.0	90.00	179.56	10,895.0	-1,139.4	-275.8	1,137.2	0.00	0.00	0.00
12,300.0	90.00	179.56	10,895.0	-1,239.4	-275.0	1,237.2	0.00	0.00	0.00
12,400.0	90.00	179.56	10,895.0	-1,339.4	-274.2	1,337.2	0.00	0.00	0.00
12,500.0	90.00	179.56	10,895.0	-1,439.4	-273.4	1,437.2	0.00	0.00	0.00
12,600.0	90.00	179.56	10,895.0	-1,539.4	-272.7	1,537.2	0.00	0.00	0.00
12,700.0	90.00	179.56	10,895.0	-1,639.4	-271.9	1,637.2	0.00	0.00	0.00
12,800.0	90.00	179.56	10,895.0	-1,739.4	-271.1	1,737.2	0.00	0.00	0.00
12,900.0	90.00	179.56	10,895.0	-1,839.3	-270.4	1,837.2	0.00	0.00	0.00
13,000.0	90.00	179.56	10,895.0	-1,939.3	-269.6	1,937.2	0.00	0.00	0.00
13,100.0	90.00	179.56	10,895.0	-2,039.3	-268.8	2,037.2	0.00	0.00	0.00
13,200.0	90.00	179.56	10,895.0	-2,139.3	-268.1	2,137.2	0.00	0.00	0.00
13,300.0	90.00	179.56	10,895.0	-2,239.3	-267.3	2,237.2	0.00	0.00	0.00
13,400.0	90.00	179.56	10,895.0	-2,339.3	-266.5	2,337.2	0.00	0.00	0.00
13,500.0	90.00	179.56	10,895.0	-2,439.3	-265.7	2,437.2	0.00	0.00	0.00
13,600.0	90.00	179.56	10,895.0	-2,539.3	-265.0	2,537.2	0.00	0.00	0.00
13,700.0	90.00	179.56	10,895.0	-2,639.3	-264.2	2,637.2	0.00	0.00	0.00
13,800.0	90.00	179.56	10,895.0	-2,739.3	-263.4	2,737.2	0.00	0.00	0.00
13,900.0	90.00	179.56	10,895.0	-2,839.3	-262.7	2,837.2	0.00	0.00	0.00
14,000.0	90.00	179.56	10,895.0	-2,939.3	-261.9	2,937.2	0.00	0.00	0.00
14,100.0	90.00	179.56	10,895.0	-3,039.3	-261.1	3,037.2	0.00	0.00	0.00
14,200.0	90.00	179.56	10,895.0	-3,139.3	-260.3	3,137.2	0.00	0.00	0.00
14,300.0	90.00	179.56	10,895.0	-3,239.3	-259.6	3,237.2	0.00	0.00	0.00
14,400.0	90.00	179.56	10,895.0	-3,339.3	-258.8	3,337.2	0.00	0.00	0.00
14,500.0	90.00	179.56	10,895.0	-3,439.3	-258.0	3,437.2	0.00	0.00	0.00
14,600.0	90.00	179.56	10,895.0	-3,539.3	-257.3	3,537.2	0.00	0.00	0.00
14,700.0	90.00	179.56	10,895.0	-3,639.3	-256.5	3,637.2	0.00	0.00	0.00
14,800.0	90.00	179.56	10,895.0	-3,739.3	-255.7	3,737.2	0.00	0.00	0.00
14,900.0	90.00	179.56	10,895.0	-3,839.3	-254.9	3,837.2	0.00	0.00	0.00
15,000.0	90.00	179.56	10,895.0	-3,939.3	-254.2	3,937.2	0.00	0.00	0.00
15,100.0	90.00	179.56	10,895.0	-4,039.3	-253.4	4,037.2	0.00	0.00	0.00
15,200.0	90.00	179.56	10,895.0	-4,139.3	-252.6	4,137.2	0.00	0.00	0.00
15,300.0	90.00	179.56	10,895.0	-4,239.3	-251.9	4,237.2	0.00	0.00	0.00
15,400.0	90.00	179.56	10,895.0	-4,339.3	-251.1	4,337.2	0.00	0.00	0.00
15,500.0	90.00	179.56	10,895.0	-4,439.3	-250.3	4,437.2	0.00	0.00	0.00
15,600.0	90.00	179.56	10,895.0	-4,539.3	-249.5	4,537.2	0.00	0.00	0.00
15,700.0	90.00	179.56	10,895.0	-4,639.3	-248.8	4,637.2	0.00	0.00	0.00
15,800.0	90.00	179.56	10,895.0	-4,739.3	-248.0	4,737.2	0.00	0.00	0.00
15,900.0	90.00	179.56	10,895.0	-4,839.3	-247.2	4,837.2	0.00	0.00	0.00
16,000.0	90.00	179.56	10,895.0	-4,939.3	-246.5	4,937.2	0.00	0.00	0.00
16,100.0	90.00	179.56	10,895.0	-5,039.3	-245.7	5,037.2	0.00	0.00	0.00
16,200.0	90.00	179.56	10,895.0	-5,139.3	-244.9	5,137.2	0.00	0.00	0.00
16,300.0	90.00	179.56	10,895.0	-5,239.2	-244.2	5,237.2	0.00	0.00	0.00
16,400.0	90.00	179.56	10,895.0	-5,339.2	-243.4	5,337.2	0.00	0.00	0.00
16,500.0	90.00	179.56	10,895.0	-5,439.2	-242.6	5,437.2	0.00	0.00	0.00
16,600.0	90.00	179.56	10,895.0	-5,539.2	-241.8	5,537.2	0.00	0.00	0.00
16,700.0	90.00	179.56	10,895.0	-5,639.2	-241.1	5,637.2	0.00	0.00	0.00
16,800.0	90.00	179.56	10,895.0	-5,739.2	-240.3	5,737.2	0.00	0.00	0.00
16,900.0	90.00	179.56	10,895.0	-5,839.2	-239.5	5,837.2	0.00	0.00	0.00
17,000.0	90.00	179.56	10,895.0	-5,939.2	-238.8	5,937.2	0.00	0.00	0.00
17,100.0	90.00	179.56	10,895.0	-6,039.2	-238.0	6,037.2	0.00	0.00	0.00
17,200.0	90.00	179.56	10,895.0	-6,139.2	-237.2	6,137.2	0.00	0.00	0.00
17,300.0	90.00	179.56	10,895.0	-6,239.2	-236.4	6,237.2	0.00	0.00	0.00
17,400.0	90.00	179.56	10,895.0	-6,339.2	-235.7	6,337.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	90.00	179.56	10,895.0	-6,439.2	-234.9	6,437.2	0.00	0.00	0.00
17,600.0	90.00	179.56	10,895.0	-6,539.2	-234.1	6,537.2	0.00	0.00	0.00
17,700.0	90.00	179.56	10,895.0	-6,639.2	-233.4	6,637.2	0.00	0.00	0.00
17,800.0	90.00	179.56	10,895.0	-6,739.2	-232.6	6,737.2	0.00	0.00	0.00
17,900.0	90.00	179.56	10,895.0	-6,839.2	-231.8	6,837.2	0.00	0.00	0.00
18,000.0	90.00	179.56	10,895.0	-6,939.2	-231.0	6,937.2	0.00	0.00	0.00
18,100.0	90.00	179.56	10,895.0	-7,039.2	-230.3	7,037.2	0.00	0.00	0.00
18,200.0	90.00	179.56	10,895.0	-7,139.2	-229.5	7,137.2	0.00	0.00	0.00
18,300.0	90.00	179.56	10,895.0	-7,239.2	-228.7	7,237.2	0.00	0.00	0.00
18,400.0	90.00	179.56	10,895.0	-7,339.2	-228.0	7,337.2	0.00	0.00	0.00
18,500.0	90.00	179.56	10,895.0	-7,439.2	-227.2	7,437.2	0.00	0.00	0.00
18,600.0	90.00	179.56	10,895.0	-7,539.2	-226.4	7,537.2	0.00	0.00	0.00
18,700.0	90.00	179.56	10,895.0	-7,639.2	-225.7	7,637.2	0.00	0.00	0.00
18,800.0	90.00	179.56	10,895.0	-7,739.2	-224.9	7,737.2	0.00	0.00	0.00
18,900.0	90.00	179.56	10,895.0	-7,839.2	-224.1	7,837.2	0.00	0.00	0.00
19,000.0	90.00	179.56	10,895.0	-7,939.2	-223.3	7,937.2	0.00	0.00	0.00
19,100.0	90.00	179.56	10,895.0	-8,039.2	-222.6	8,037.2	0.00	0.00	0.00
19,200.0	90.00	179.56	10,895.0	-8,139.2	-221.8	8,137.2	0.00	0.00	0.00
19,300.0	90.00	179.56	10,895.0	-8,239.2	-221.0	8,237.2	0.00	0.00	0.00
19,400.0	90.00	179.56	10,895.0	-8,339.2	-220.3	8,337.2	0.00	0.00	0.00
19,500.0	90.00	179.56	10,895.0	-8,439.2	-219.5	8,437.2	0.00	0.00	0.00
19,600.0	90.00	179.56	10,895.0	-8,539.1	-218.7	8,537.2	0.00	0.00	0.00
19,700.0	90.00	179.56	10,895.0	-8,639.1	-217.9	8,637.2	0.00	0.00	0.00
19,800.0	90.00	179.56	10,895.0	-8,739.1	-217.2	8,737.2	0.00	0.00	0.00
19,900.0	90.00	179.56	10,895.0	-8,839.1	-216.4	8,837.2	0.00	0.00	0.00
20,000.0	90.00	179.56	10,895.0	-8,939.1	-215.6	8,937.2	0.00	0.00	0.00
20,100.0	90.00	179.56	10,895.0	-9,039.1	-214.9	9,037.2	0.00	0.00	0.00
20,200.0	90.00	179.56	10,895.0	-9,139.1	-214.1	9,137.2	0.00	0.00	0.00
20,300.0	90.00	179.56	10,895.0	-9,239.1	-213.3	9,237.2	0.00	0.00	0.00
20,400.0	90.00	179.56	10,895.0	-9,339.1	-212.5	9,337.2	0.00	0.00	0.00
20,500.0	90.00	179.56	10,895.0	-9,439.1	-211.8	9,437.2	0.00	0.00	0.00
20,600.0	90.00	179.56	10,895.0	-9,539.1	-211.0	9,537.2	0.00	0.00	0.00
20,700.0	90.00	179.56	10,895.0	-9,639.1	-210.2	9,637.2	0.00	0.00	0.00
20,800.0	90.00	179.56	10,895.0	-9,739.1	-209.5	9,737.2	0.00	0.00	0.00
20,900.0	90.00	179.56	10,895.0	-9,839.1	-208.7	9,837.2	0.00	0.00	0.00
21,000.0	90.00	179.56	10,895.0	-9,939.1	-207.9	9,937.2	0.00	0.00	0.00
21,100.0	90.00	179.56	10,895.0	-10,039.1	-207.1	10,037.2	0.00	0.00	0.00
21,194.3	90.00	179.56	10,895.0	-10,133.4	-206.4	10,131.6	0.00	0.00	0.00
TD at 21194.3 - BHL - Boros Federal #132H									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Boros Federal #1 - plan hits target center - Point	0.00	0.00	10,322.0	377.8	-322.1	382,324.00	674,851.00	32° 2' 59.523 N	103° 46' 8.352 W
BHL - Boros Federal # - plan hits target center - Point	0.00	0.00	10,895.0	-10,133.4	-206.4	371,812.01	674,966.65	32° 1' 15.488 N	103° 46' 7.646 W

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #132H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3255.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3255.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #132H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,335.4	1,335.4	Rustler			
1,494.0	1,494.0	Salado (Top Salt)			
4,081.7	4,071.5	Base Salt			
4,125.2	4,114.5	Bell Canyon			
5,214.1	5,192.8	Cherry Canyon			
6,410.1	6,378.0	Brushy Canyon			
7,524.0	7,491.5	L. Brushy Canyon			
8,096.3	8,063.8	BSGL			
8,223.2	8,190.6	Avalon-SS			
9,232.8	9,200.2	FBSG			
9,478.3	9,445.8	SBSC			
9,762.9	9,730.3	SBSG			
10,199.8	10,167.3	TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,500.0	2,500.0	0.0	0.0	Start Build 1.00
3,300.0	3,297.4	42.4	-36.2	Start 2899.8 hold at 3300.0 MD
6,199.8	6,169.0	349.6	-298.0	Start Drop -1.50
6,733.1	6,700.6	377.8	-322.1	Start 3621.4 hold at 6733.1 MD
10,354.5	10,322.0	377.8	-322.1	Start Build 10.00
11,254.5	10,895.0	-194.0	-287.1	Start DLS 2.00 TFO 90.00
11,407.5	10,895.0	-346.9	-281.9	Start 9786.9 hold at 11407.5 MD
21,194.3	10,895.0	-10,133.4	-206.4	TD at 21194.3

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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 19109

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
MATADOR PRODUCTION COMPANY One Lincoln Centre 5400 LBJ Freeway, Ste 1500 Dallas, TX75240	228937	19109	C-103A

Created By	Comment	Comment Date
jagarcia	Accepted for Record	03/09/2021
kpickford	KP GEO Review 3/01/2021	03/01/2021

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CONDITIONS

Action 19109

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
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OCD Reviewer	Condition
kpickford	Adhere to previous NMOCD Conditions of Approval