Form 3160-5
(June 2015)

NMOCD Rec'd: 10/14/2020

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 244H

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

9. API Well No.
30-015-46851-00-X1

3a. Address
ONE LINCOLN CENTER 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
PURPLE SAGE-WOLFCAMP (GAS)

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T26S R31E NENE 400FNL 631FEL
32.049046 N Lat, 103.759453 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

Please see the attached C102 to revise the SHL of Matador's Boros Federal 244H (30-015-46851) well from 400' FNL and 631' FEL of Sec. 15 T26S R31E to 430' FNL and 620' FEL of Sec. 15 T26S R31E. This proposed SHL move lies within the approved well pad location footprint covered in Environmental Assessment DOI-BLM-NM-P020-2020-0098-EA.

Matador requests the BHL be revised from 240' FSL and 660' FEL of Sec. 22 T26S R31E to 100' FSL and 660' FEL of Sec. 22 T26S R31E. Please see attached C-102 and directional plans.

Surface good Same COA
10-7-20 JR

Also, Matador respectfully requests the option to amend the casing, cementing and mud program.

APPROVED BY RACHEL IJABIKEN · REVIEW ADDITIONAL ENGINEERING COA.

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

Electronic Submission #526670 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by JUANA MEDRANO on 08/21/2020 (20JM0101SE)

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

Signature (Electronic Submission) — Date 08/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By [signature] — Title AFM-LN — Date 10/09/2020

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 CFO

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

- NSL: Will require an administrative order for non-standard location prior to placing the well on production

KP 11/5/2020 GEO Review
JAG 11/5/2020 Final

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

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

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

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-015-46851	98220	PURPLE SAGE;WOLFCAMP (GAS)

[4]Property Code	[5]Property Name	[6]Well Number
	BOROS FEDERAL	244H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3219'

[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
A	15	26-S	31-E	–	430'	NORTH	620'	EAST	EDDY

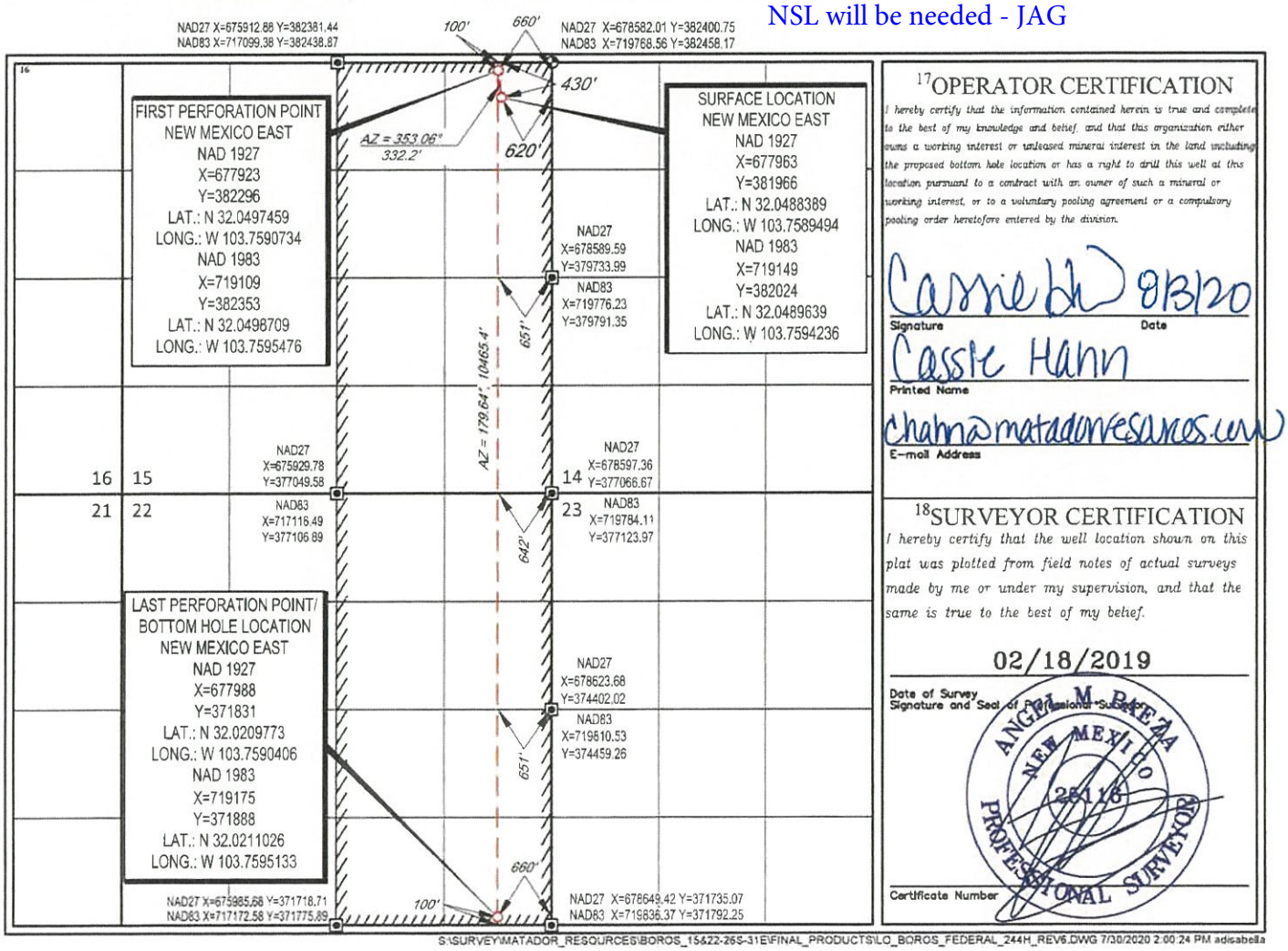
[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	26-S	31-E	–	100'	SOUTH	660'	EAST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
640			

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.

NSL will be needed - JAG



[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.

Cassie Hahn 8/3/20
Signature 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.

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

ANGEL M. PEÑA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_244H_REV6.DWG 7/30/2020 2:00:24 PM adisabella

Additional data for EC transaction #526670 that would not fit on the form

32. Additional remarks, continued

Please find supporting documentation attached and contact Blake Hermes at 972-371-5485 or BHermes@matadorresources.com for any questions.

Revisions to Operator-Submitted EC Data for Sundry Notice #526670

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM138865	NMNM138865
Agreement:		
Operator:	MATADOR PRODUCTION COMPANY 5400 LBJ FREEWAY, SUITE 1500 DALLAS, TX 75240 Ph: 972-371-5448	MATADOR PRODUCTION COMPANY ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500 DALLAS, TX 75240 Ph: 972.371.5200
Admin Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Tech Contact:	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448	NICKY FITZGERALD REGULATORY ANALYST E-Mail: nicky.fitzgerald@matadorresources.com Ph: 972-371-5448
Location: State: County:	 NM EDDY	 NM EDDY
Field/Pool:	PURPLE SAGE;WOLFCAMP(GAS)	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	BOROS FEDERAL 244H Sec 15 T26S R31E 400FNL 631FEL	BOROS FEDERAL 244H Sec 15 T26S R31E NENE 400FNL 631FEL 32.049046 N Lat, 103.759453 W Lon

Boros Federal 244H SUNDRY

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

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50	J 55	BTC	10.94	1.73	0.59	1,431	4	1.07	3.33	77,990
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,287			Tail Cmt	does not	circ to sfc.	Totals:	1,431				77,990

Comparison of Proposed to Minimum Required Cement Volumes

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
17 1/2	0.6946	920	1515	994	52	8.80	2549	3M	1.56

Class 'C' tail cmt yield above 1.35.

Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.

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

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	P 110	BTC	3.33	1.15	0.98	9,500	2	1.43	2.10	282,150
"B"	**29.70**	**P 110**	VAM HTF-NR	∞	**1.59**	**1.12**	**2,100**	**2**	**1.63**	2.89	**62,370**
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	11,600				344,520
The cement volume(s) are intended to achieve a top of				0	ft from surface or a		1431				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
9 7/8	0.2148	990	3399	2972	14	9.40	6611	10M	0.69

Class 'H' tail cmt yld > 1.20 MASP is within 10% of 5000psig, need exrta equip?

Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1, b, c, d All > 0.70, OK. Excess Cement may be needed.

Tail cmt

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

Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	20.00	P 110	TLW	2.06	1.27	1.49	24,037	1	2.17	1.97	480,740
w/8.4#/g mud, 30min Sfc Csg Test psig: 3,022						Totals:	24,037				480,740
The cement volume(s) are intended to achieve a top of				11400	ft from surface or a		200				overlap.

Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg
6 3/4	0.0835	980	1169	1057	11	13.50			0.44

Class 'C' tail cmt yld > 1.35

Excess Cement may be needed.

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**MATADOR PRODUCTION COMPANY**
LEASE NO.:	**NMNM138865**
WELL NAME & NO.:	BOROS FEDERAL COM 244H
SURFACE HOLE FOOTAGE:	430'/N & 620'/E
BOTTOM HOLE FOOTAGE	100'/S & 660'/E
LOCATION:	Section 15, T.26 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

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

ALL PREVIOUS COAs still apply.

A. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1431 feet** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that

string.

2. The **7-5/8** Intermediate casing shall be set at **11600 feet** . The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

   Multi-Stage Option :

   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.

   - 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.
   - 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.
   - Excess Cement calculates to less than 25% ; More cement may be needed.
   - Operator will perform bradenhead squeeze. Cement to surface. If cement does not circulate see B.1.a, c-d above.
   - **Operator has proposed to pump down 13-3/8" X 7-5/8" annulus. Operator must run a CBL from TD of the** 7-5/8**" casing to surface. Submit results to BLM.**

   ❖ 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.
   - Excess Cement calculates to less than 25% ; More cement may be needed.

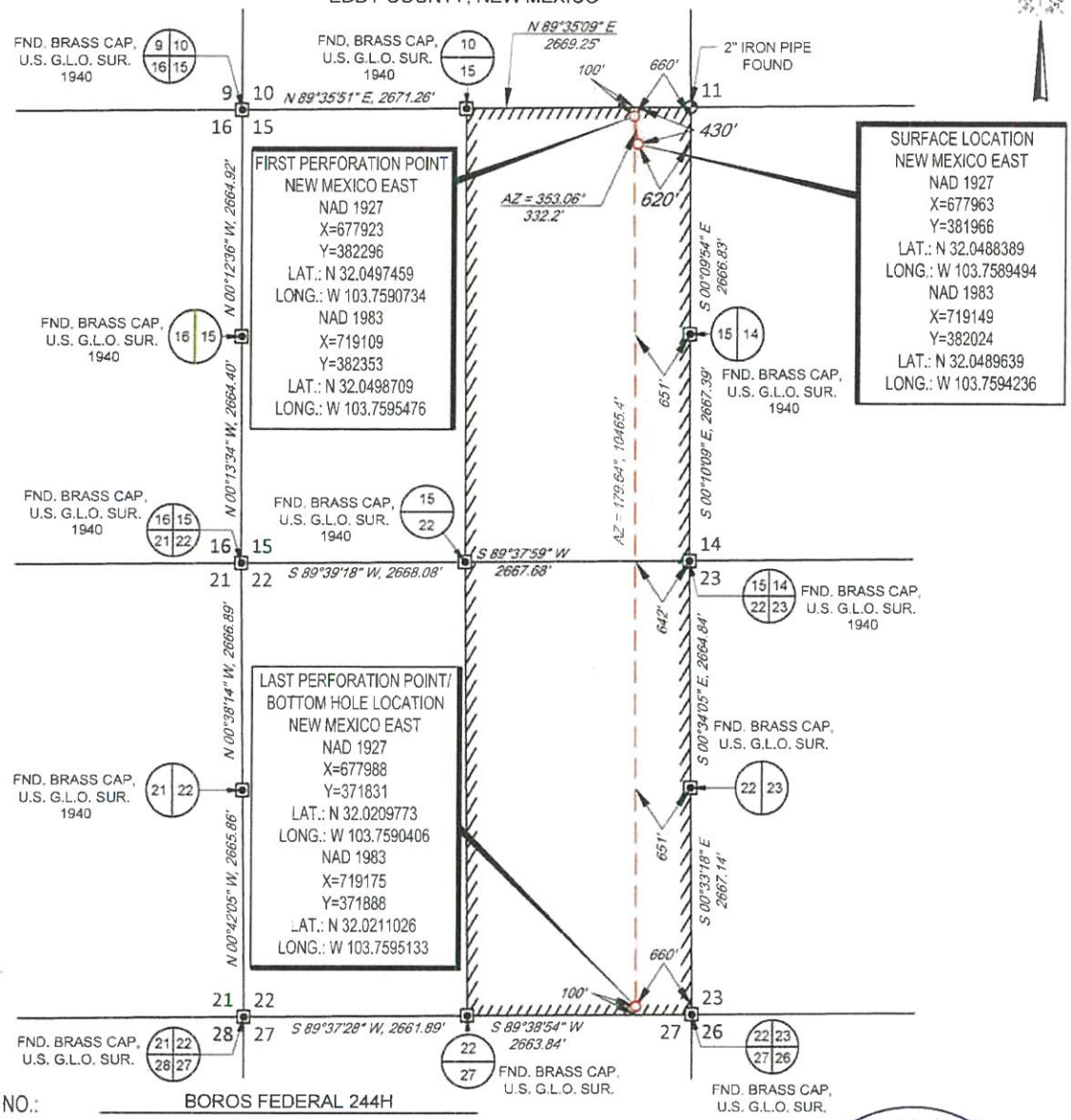
RI09202020

SCALE: 1" = 2000'

0' 1000' 2000'

Matador PRODUCTION COMPANY

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



LEASE NAME & WELL NO.: BOROS FEDERAL 244H

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

COUNTY EDDY STATE NM

DESCRIPTION 430' FNL & 620' FEL

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 EAST (LEFT) ON PROPOSED RD. ±1374 FEET, TO A POINT ±286 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

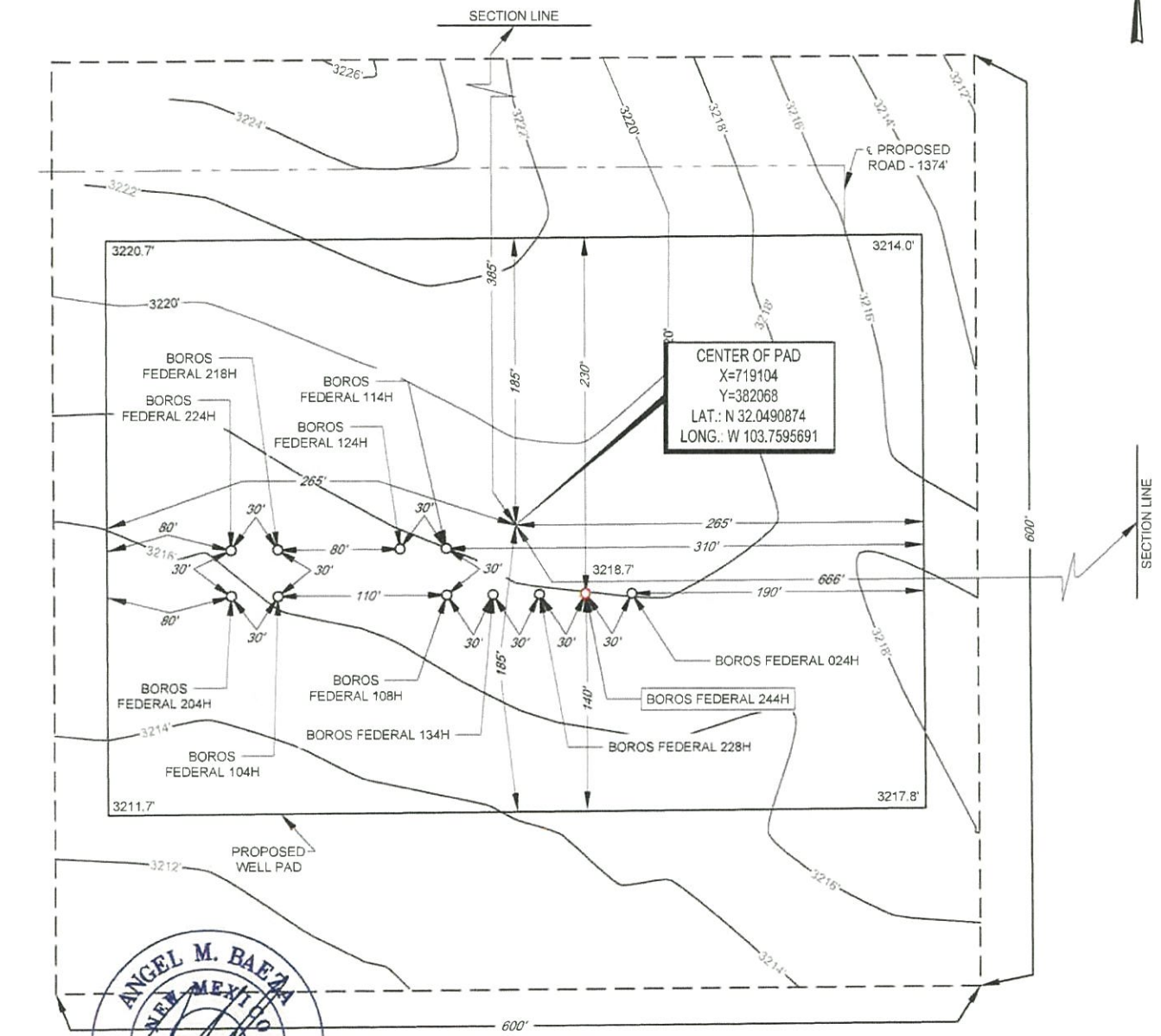
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_244H_REV6.DWG 7/30/2020 2:00:24 PM acsabedra

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

DETAIL VIEW
SCALE: 1" = 100'

SCALE: 1" = 100'
0' 50' 100'



LEASE NAME & WELL NO.: BOROS FEDERAL 244H

244H LATITUDE N 32.0489639 244H LONGITUDE W 103.7594236

CENTER OF PAD IS 385' FNL & 666' FEL

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

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

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
2303 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_244H_REV6.DWG 7/30/2020 2:00:25 PM adisabella

Boros Federal #244H
SHL: 430' FNL & 620' FEL Section 15
BHL: 100' FSL & 660' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3219

Drilling Operation Plan

Proposed Drilling Depth: 24037' MD / 13736' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.0500065667 N / -103.7591341913 W
TD Lat/Long (NAD83): 32.0211025136 N / -32.0211025136W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,406	1,406	88	Anhydrite	Barren
Salado (Top of Salt)	1,494	1,494	1,897	Salt	Barren
Lamar (Base of Salt)	4,125	4,125	30	Salt	Barren
Bell Canyon	4,155	4,155	1,013	Sandstone	Oil/Natural Gas
Cherry Canyon	5,168	5,168	1,234	Sandstone	Oil/Natural Gas
Brushy Canyon	6,402	6,402	1,730	Sandstone	Oil/Natural Gas
Bone Spring Lime	8,132	8,132	1,072	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,204	9,204	345	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,549	9,549	222	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,771	9,771	480	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	10,251	10,251	729	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	10,980	10,980	395	Sandstone	Oil/Natural Gas
Wolfcamp	11,375	11,375	-	Shale	Oil/Natural Gas
KOP	**13,188**	**13,163**	**-**	**Shale**	**Oil/Natural Gas**
TD	**24,037**	**13,736**	**-**	**Shale**	**Oil/Natural Gas**

2. Notable Zones

Wolfcamp 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 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

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

Testing Procedure

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

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 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 10M 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.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

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 - 1431	0 - 1431	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11600	9500 - 11600	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 24037	0 - 13736	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

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.

9-7/8" hole depth may fluctuate, but 7-5/8" BUTT will only be run inside of 9-7/8" OH and Flush joint will be run in 8-3/4" OH. Cement volumes will be adjusted proportionally. Option to drill the entire Intermediate I hole section in 9-7/8" hole size.

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	670	1.747	1174	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.379	348	14.8	50%	1131	C	5% NaCl + LCM
Intermediate 1	Lead	890	3.66	3251	10.3	25%	0	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	100	1.413	146	13.2	25%	10600	A/C	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	980	1.193	1174	14.2	10%	11400	H	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 - 1431	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Brine Diesel Emulsion	1431 - 11600	8.4 - 9.4	28-30	NC
Production	6.75	OBM	11600 - 24037	12 - 13.5	30-35	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

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

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 9643 psi. Maximum anticipated surface pressure is 6621 psi. Expected bottom hole temperature is 206° 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.

Tapered String Specification Sheet

Boros Federal #244H
SHL: 430' FNL & 620' FEL Section 15
BHL: 100' FSL & 660' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3219'

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 - 1431	0 - 1431	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11600	9500 - 11600	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 24037	0 - 13736	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Company: Matador Production Company
Well: Boros Federal #244H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #2
Date: 8/11/2020

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

To convert a Magnetic Direction to a Grid Direction, Add 6.38°
To convert a Magnetic Direction to a True Direction, Add 6.69° East
To convert a True Direction to a Grid Direction, Subtract 0.30°

T G M

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

Magnetic Field
Strength: 47492.9snT
Dip Angle: 59.83°
Date: 8/11/2020
Model: IGRF2015

SURVEY PROGRAM

Depth From	Depth To	Survey/Plan	Tool
0.0	24037.2	BLM Plan #2 (Wellbore #1)	MWD

WELL DETAILS: Boros Federal #244H

GL @ 3219.0 KB @ 3247.5usft

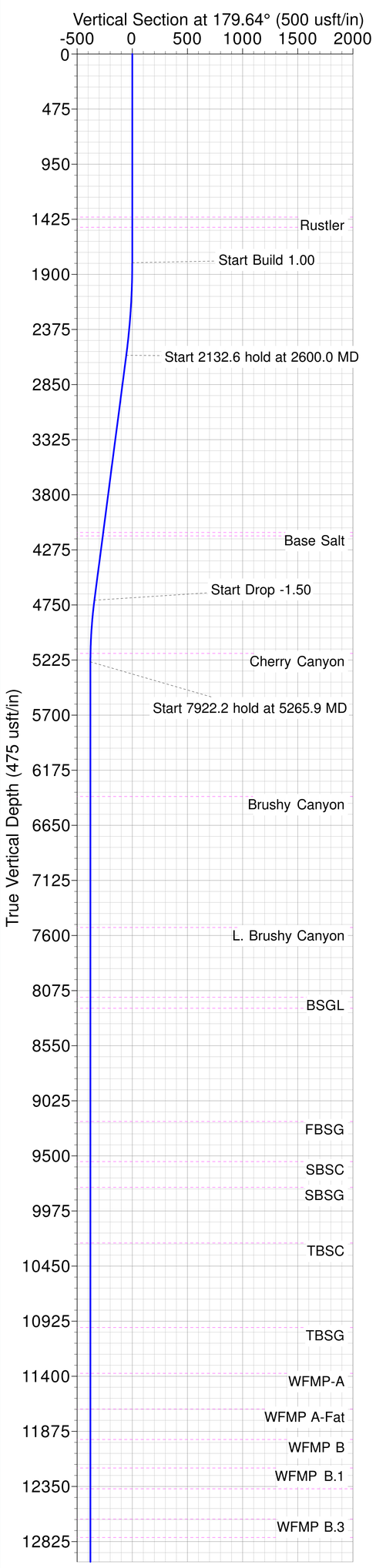
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	381966.25	677962.83	32° 2' 55.820 N	103° 45' 32.218 W	

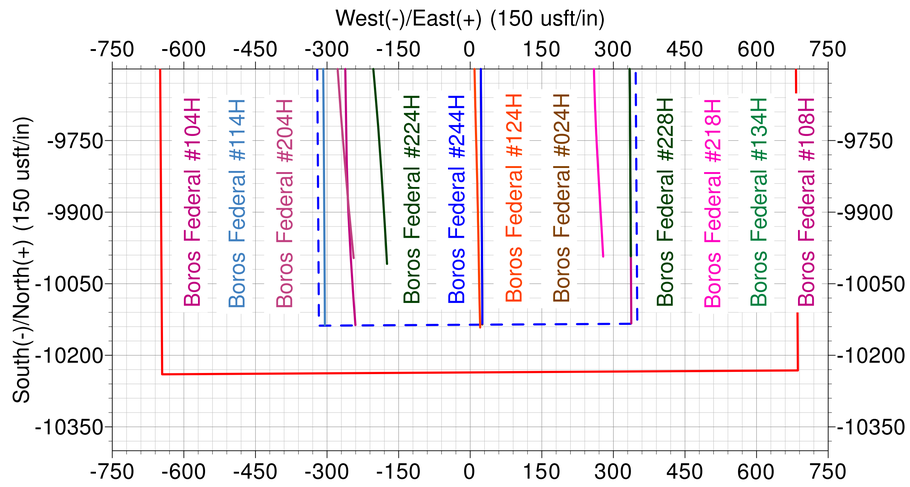
DESIGN TARGET DETAILS

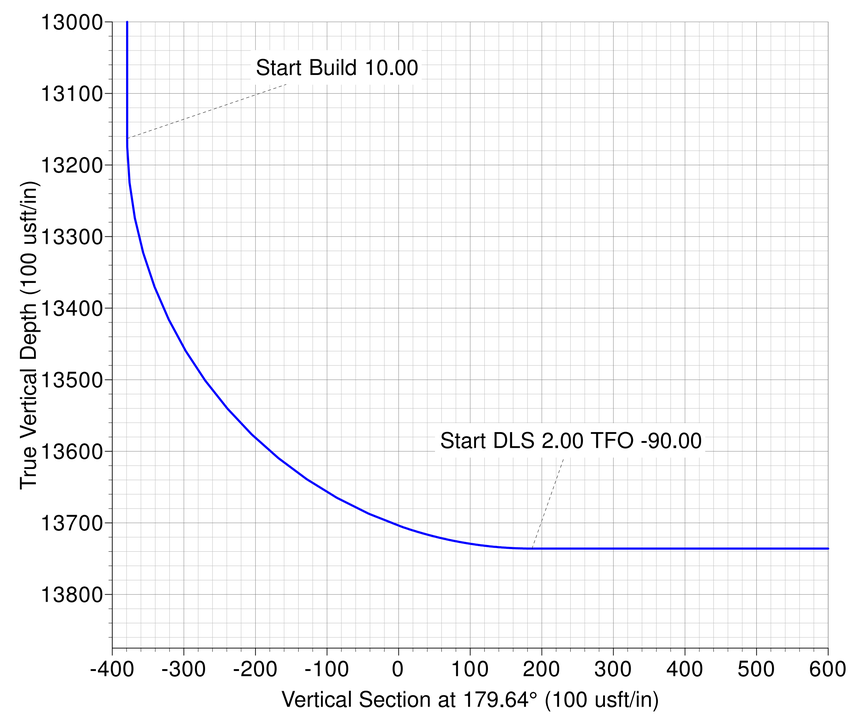
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Federal #244H	13163.0	379.7	87.7	382346.00	678050.50	32° 2' 59.573 N	103° 45' 31.176 W
BHL - Boros Federal #244H	13736.0	-10133.7	25.6	371830.99	677988.46	32° 1' 15.518 N	103° 45' 32.546 W

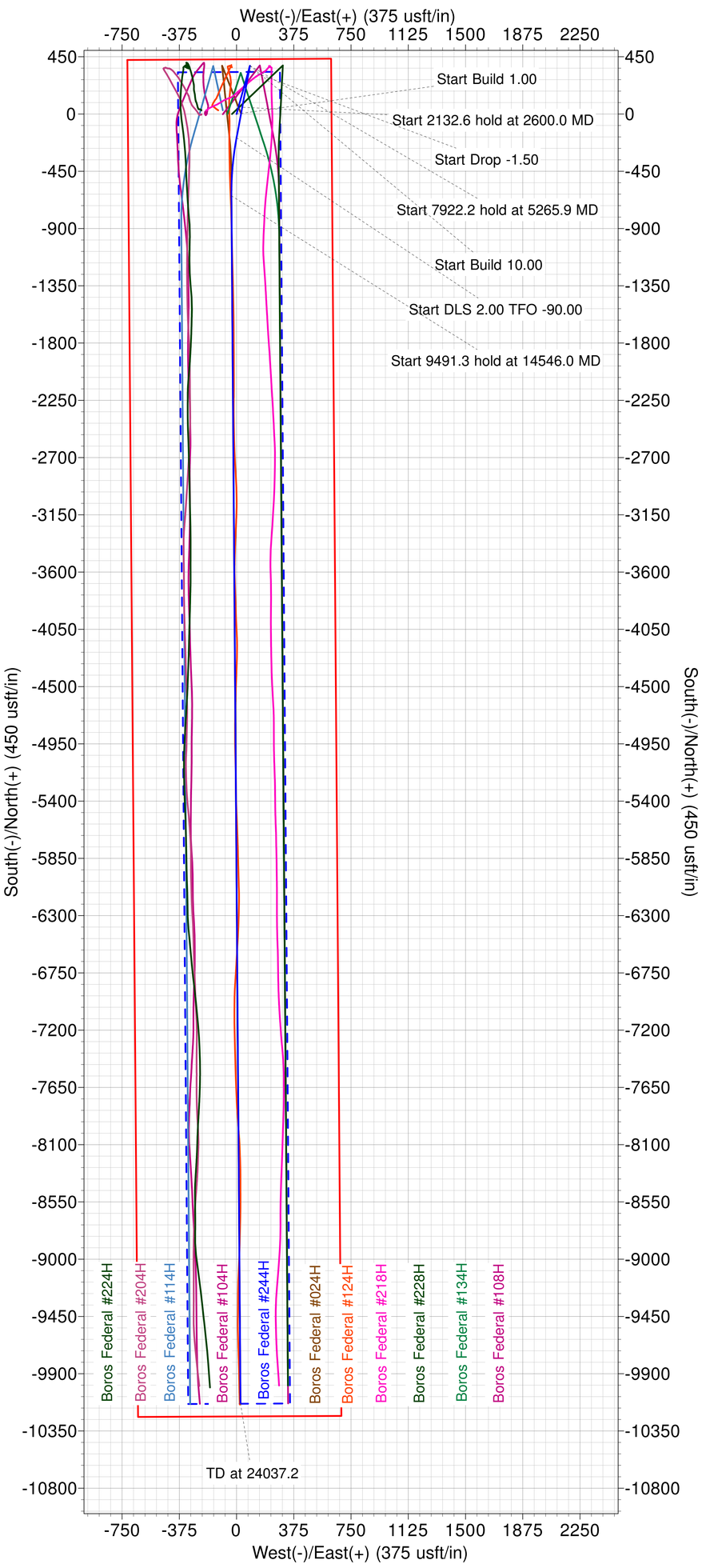
SECTION DETAILS

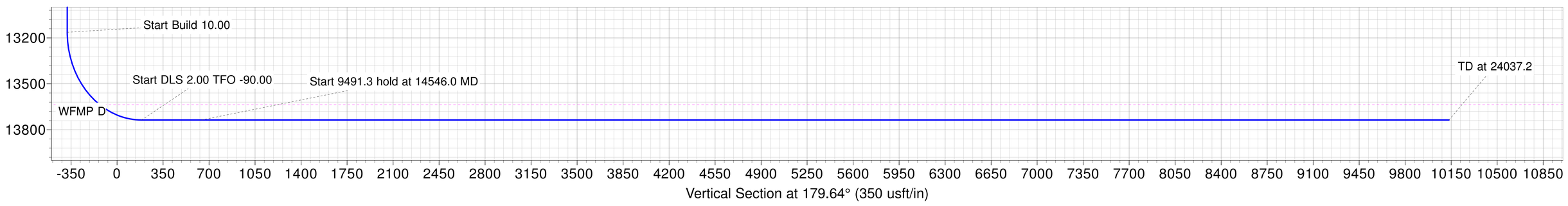
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1800.0	0.00	0.00	1800.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
2600.0	8.00	13.00	2597.4	54.3	12.5	1.00	13.00	-54.3	Start 2132.6 hold at 2600.0 MD
4732.6	8.00	13.00	4709.2	343.5	79.3	0.00	0.00	-343.0	Start Drop -1.50
5265.9	0.00	0.00	5240.8	379.7	87.7	1.50	180.00	-379.2	Start 7922.2 hold at 5265.9 MD
13188.1	0.00	0.00	13163.0	379.7	87.7	0.00	0.00	-379.2	Start Build 10.00
14088.1	90.00	188.80	13736.0	-186.5	0.0	10.00	188.80	186.5	Start DLS 2.00 TFO -90.00
14546.0	90.00	179.64	13736.0	-642.6	-33.7	2.00	-90.00	642.4	Start 9491.3 hold at 14546.0 MD
24037.2	90.00	179.64	13736.0	-10133.7	25.6	0.00	0.00	10133.7	TD at 24037.2











Matador Production Company

Rustler Breaks
Boros
Boros Federal #244H

Wellbore #1
BLM Plan #2

Anticollision Report

12 August, 2020

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Reference BLM Plan #2

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** 8/12/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	24,037.2	BLM Plan #2 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Boros						
Boros Federal #024H - Wellbore #1 - BLM Plan #2	2,082.7	2,081.9	29.2	14.7	2.017	CC
Boros Federal #024H - Wellbore #1 - BLM Plan #2	2,100.0	2,100.8	29.2	14.6	2.000	ES
Boros Federal #024H - Wellbore #1 - BLM Plan #2	2,200.0	2,201.0	30.0	14.7	1.959	SF
Boros Federal #104H - Wellbore #1 - Actual	878.1	874.1	194.6	189.1	35.002	CC
Boros Federal #104H - Wellbore #1 - Actual	1,100.0	1,094.6	195.5	188.3	27.417	ES
Boros Federal #104H - Wellbore #1 - Actual	7,800.0	7,783.0	302.9	247.0	5.424	SF
Boros Federal #108H - Wellbore #1 - BLM Plan #2	7,198.2	7,200.0	53.5	1.2	1.023	Level 2, CC
Boros Federal #108H - Wellbore #1 - BLM Plan #2	7,200.0	7,201.8	53.5	1.2	1.022	Level 2, ES, SF
Boros Federal #114H - Wellbore #1 - BLM Plan #2	500.0	499.0	94.9	91.8	30.408	CC
Boros Federal #114H - Wellbore #1 - BLM Plan #2	600.0	598.2	95.3	91.5	24.850	ES
Boros Federal #114H - Wellbore #1 - BLM Plan #2	8,900.0	8,886.4	242.6	178.7	3.798	SF
Boros Federal #124H - Wellbore #1 - Actual	8,259.6	8,247.9	119.0	60.3	2.025	CC
Boros Federal #124H - Wellbore #1 - Actual	8,300.0	8,287.6	119.2	60.1	2.017	ES
Boros Federal #124H - Wellbore #1 - Actual	8,400.0	8,386.6	120.3	60.5	2.013	SF
Boros Federal #134H - Wellbore #1 - BLM Plan #2	4,510.0	4,509.1	46.4	13.1	1.394	Level 3, CC
Boros Federal #134H - Wellbore #1 - BLM Plan #2	10,200.0	10,193.8	82.6	10.0	1.137	Level 2, ES, SF
Boros Federal #204H - Wellbore #1 - Actual	203.9	200.1	230.1	229.3	286.401	CC
Boros Federal #204H - Wellbore #1 - Actual	700.0	693.7	231.9	227.5	52.912	ES
Boros Federal #204H - Wellbore #1 - Actual	11,245.9	11,308.7	523.1	443.4	6.567	SF
Boros Federal #218H - Wellbore #1 - Actual	6,336.8	6,331.3	92.5	46.4	2.005	CC
Boros Federal #218H - Wellbore #1 - Actual	6,500.0	6,494.2	93.2	45.8	1.968	ES
Boros Federal #218H - Wellbore #1 - Actual	11,200.0	11,195.6	146.1	66.2	1.829	SF
Boros Federal #224H - Wellbore #1 - Actual	0.0	0.0	232.0			
Boros Federal #224H - Wellbore #1 - Actual	700.0	695.8	234.5	230.3	54.717	ES
Boros Federal #224H - Wellbore #1 - Actual	11,600.0	11,584.9	437.5	355.6	5.343	SF
Boros Federal #228H - Wellbore #1 - BLM Plan #2	2,168.2	2,167.4	19.0	3.9	1.260	Level 3, CC
Boros Federal #228H - Wellbore #1 - BLM Plan #2	2,200.0	2,199.1	19.1	3.8	1.247	Level 2, ES, SF

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **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	0.7	-0.7	0.0	0.0	89.56	0.2	30.0	30.0				

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **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
100.0	100.0	100.7	99.3	0.1	0.1	89.56	0.2	30.0	30.0	29.7	0.26	116.132	
200.0	200.0	200.7	199.3	0.5	0.5	89.56	0.2	30.0	30.0	29.0	0.98	30.756	
300.0	300.0	300.7	299.3	0.8	0.8	89.56	0.2	30.0	30.0	28.3	1.69	17.725	
400.0	400.0	400.7	399.3	1.2	1.2	89.56	0.2	30.0	30.0	27.6	2.41	12.450	
500.0	500.0	500.7	499.3	1.6	1.6	89.56	0.2	30.0	30.0	26.9	3.13	9.595	
600.0	600.0	600.7	599.3	1.9	1.9	89.56	0.2	30.0	30.0	26.2	3.84	7.805	
700.0	700.0	700.7	699.3	2.3	2.3	89.56	0.2	30.0	30.0	25.4	4.56	6.578	
800.0	800.0	800.7	799.3	2.6	2.6	89.56	0.2	30.0	30.0	24.7	5.28	5.684	
900.0	900.0	900.7	899.3	3.0	3.0	89.56	0.2	30.0	30.0	24.0	5.99	5.004	
1,000.0	1,000.0	1,000.7	999.3	3.4	3.4	89.56	0.2	30.0	30.0	23.3	6.71	4.470	
1,100.0	1,100.0	1,100.7	1,099.3	3.7	3.7	89.56	0.2	30.0	30.0	22.6	7.43	4.038	
1,200.0	1,200.0	1,200.7	1,199.3	4.1	4.1	89.56	0.2	30.0	30.0	21.8	8.14	3.683	
1,300.0	1,300.0	1,300.7	1,299.3	4.4	4.4	89.56	0.2	30.0	30.0	21.1	8.86	3.385	
1,400.0	1,400.0	1,400.7	1,399.3	4.8	4.8	89.56	0.2	30.0	30.0	20.4	9.58	3.131	
1,500.0	1,500.0	1,500.7	1,499.3	5.1	5.1	89.56	0.2	30.0	30.0	19.7	10.30	2.913	
1,600.0	1,600.0	1,600.7	1,599.3	5.5	5.5	89.56	0.2	30.0	30.0	19.0	11.01	2.724	
1,700.0	1,700.0	1,700.7	1,699.3	5.9	5.9	89.56	0.2	30.0	30.0	18.3	11.73	2.557	
1,800.0	1,800.0	1,800.7	1,799.3	6.2	6.2	89.56	0.2	30.0	30.0	17.5	12.45	2.410	
1,900.0	1,900.0	1,900.7	1,899.3	6.6	6.6	78.19	0.2	30.0	29.8	16.6	13.16	2.264	
2,000.0	2,000.0	2,000.7	1,999.3	6.9	6.9	83.20	0.2	30.0	29.4	15.5	13.88	2.117	
2,082.7	2,082.6	2,081.9	2,081.9	7.2	7.2	90.00	0.2	30.0	29.2	14.7	14.47	2.017	CC
2,100.0	2,099.9	2,100.8	2,099.2	7.3	7.3	91.72	0.2	30.0	29.2	14.6	14.59	2.000	ES
2,200.0	2,199.7	2,201.0	2,199.0	7.7	7.7	103.43	0.2	30.0	30.0	14.7	15.31	1.959	SF
2,300.0	2,299.4	2,301.3	2,298.7	8.0	8.0	116.86	0.2	30.0	32.7	16.7	16.03	2.041	
2,400.0	2,398.9	2,401.8	2,398.2	8.4	8.4	129.77	0.2	30.0	38.0	21.3	16.75	2.271	
2,500.0	2,498.3	2,502.4	2,497.6	8.7	8.7	140.56	0.2	30.0	46.1	28.7	17.47	2.640	
2,600.0	2,597.4	2,603.3	2,596.7	9.1	9.1	148.87	0.2	30.0	56.8	38.6	18.19	3.124	
2,700.0	2,696.4	2,704.3	2,695.7	9.5	9.5	154.84	0.2	30.0	69.2	50.2	18.91	3.656	
2,800.0	2,795.5	2,805.2	2,794.8	9.9	9.8	158.97	0.2	30.0	82.0	62.4	19.63	4.176	
2,900.0	2,894.5	2,906.2	2,893.8	10.2	10.2	161.98	0.2	30.0	95.1	74.8	20.35	4.673	
3,000.0	2,993.5	3,007.2	2,992.8	10.6	10.5	164.25	0.2	30.0	108.5	87.4	21.08	5.146	
3,100.0	3,092.5	3,108.2	3,091.8	11.0	10.9	166.02	0.2	30.0	121.9	100.1	21.80	5.593	
3,200.0	3,191.6	3,209.1	3,190.9	11.4	11.3	167.45	0.2	30.0	135.5	112.9	22.52	6.016	
3,300.0	3,290.6	3,289.9	3,289.9	11.8	11.6	168.61	0.2	30.0	149.1	125.9	23.17	6.435	
3,400.0	3,389.6	3,388.9	3,388.9	12.2	11.9	169.58	0.2	30.0	162.8	138.9	23.89	6.814	
3,500.0	3,488.6	3,487.9	3,487.9	12.6	12.3	170.39	0.2	30.0	176.5	151.9	24.60	7.173	
3,600.0	3,587.7	3,589.7	3,589.7	13.0	12.6	171.19	0.9	29.8	189.6	164.2	25.33	7.483	
3,700.0	3,686.7	3,692.2	3,692.2	13.4	13.0	172.09	3.3	29.0	201.1	175.0	26.07	7.715	
3,800.0	3,785.7	3,795.1	3,794.9	13.8	13.4	173.10	7.4	27.6	211.0	184.3	26.79	7.877	
3,900.0	3,884.8	3,898.1	3,897.8	14.1	13.7	174.23	13.4	25.7	219.4	191.9	27.51	7.975	
4,000.0	3,983.8	4,001.4	4,000.8	14.5	14.1	175.48	21.1	23.1	226.3	198.0	28.23	8.015	
4,100.0	4,082.8	4,104.8	4,103.7	14.9	14.5	176.87	30.5	20.0	231.6	202.7	28.95	8.002	
4,200.0	4,181.8	4,208.2	4,206.4	15.3	14.9	178.41	41.8	16.3	235.5	205.9	29.66	7.942	
4,300.0	4,280.9	4,311.7	4,308.9	15.8	15.2	-179.86	54.8	12.1	238.0	207.7	30.36	7.839	
4,400.0	4,379.9	4,411.0	4,407.3	16.2	15.6	-178.16	67.9	7.7	240.2	209.1	31.10	7.722	
4,500.0	4,478.9	4,510.7	4,506.0	16.6	16.0	-176.47	81.1	3.4	242.5	210.7	31.84	7.617	
4,600.0	4,577.9	4,610.4	4,604.8	17.0	16.3	-174.82	94.2	-0.9	245.0	212.5	32.58	7.522	
4,700.0	4,677.0	4,710.1	4,703.5	17.4	16.7	-173.21	107.4	-5.3	247.8	214.5	33.32	7.437	
4,732.6	4,709.2	4,742.6	4,735.7	17.5	16.8	-172.69	111.7	-6.7	248.7	215.2	33.56	7.411	
4,800.0	4,776.1	4,809.8	4,802.3	17.8	17.1	-171.61	120.6	-9.6	250.1	216.1	34.06	7.343	
4,900.0	4,875.5	4,909.6	4,901.0	18.2	17.4	-169.95	133.8	-13.9	250.2	215.4	34.81	7.189	
5,000.0	4,975.1	5,009.2	4,999.7	18.5	17.8	-168.16	147.0	-18.3	248.0	212.4	35.56	6.974	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **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	5,075.0	5,108.8	5,098.3	18.9	18.2	-166.18	160.1	-22.6	243.4	207.1	36.31	6.705	
5,200.0	5,174.9	5,208.1	5,196.7	19.3	18.6	-163.96	173.3	-26.9	236.7	199.6	37.06	6.386	
5,265.9	5,240.8	5,273.4	5,261.4	19.5	18.8	-149.31	181.9	-29.8	231.0	193.5	37.56	6.152	
5,300.0	5,274.9	5,307.2	5,294.8	19.6	19.0	-148.42	186.4	-31.2	227.9	190.1	37.81	6.028	
5,400.0	5,374.9	5,406.2	5,392.9	19.9	19.3	-145.65	199.5	-35.5	219.2	180.6	38.57	5.682	
5,500.0	5,474.9	5,505.3	5,490.9	20.3	19.7	-142.67	212.5	-39.8	210.9	171.6	39.34	5.362	
5,600.0	5,574.9	5,604.3	5,589.0	20.6	20.1	-139.46	225.6	-44.1	203.3	163.2	40.11	5.069	
5,700.0	5,674.9	5,703.3	5,687.1	21.0	20.5	-136.01	238.7	-48.4	196.4	155.5	40.89	4.803	
5,800.0	5,774.9	5,802.3	5,785.1	21.3	20.9	-132.33	251.8	-52.8	190.3	148.6	41.68	4.565	
5,900.0	5,874.9	5,901.4	5,883.2	21.6	21.3	-128.43	264.9	-57.1	185.0	142.5	42.47	4.355	
6,000.0	5,974.9	6,000.4	5,981.3	22.0	21.7	-124.32	278.0	-61.4	180.6	137.3	43.27	4.174	
6,100.0	6,074.9	6,100.6	6,079.3	22.3	22.0	-120.03	291.1	-65.7	177.2	133.1	44.07	4.021	
6,200.0	6,174.9	6,201.5	6,177.4	22.7	22.4	-115.61	304.2	-70.0	174.8	130.0	44.86	3.897	
6,300.0	6,274.9	6,302.5	6,275.4	23.0	22.8	-111.09	317.3	-74.3	173.6	127.9	45.65	3.802	
6,363.4	6,338.3	6,360.2	6,337.6	23.2	23.1	-108.21	325.6	-77.0	173.4	127.2	46.12	3.759	
6,400.0	6,374.9	6,403.5	6,373.5	23.4	23.2	-106.54	330.4	-78.6	173.4	127.0	46.43	3.735	
6,500.0	6,474.9	6,495.5	6,471.6	23.7	23.6	-102.01	343.5	-82.9	174.4	127.2	47.17	3.698	
6,600.0	6,574.9	6,595.3	6,570.5	24.1	24.0	-97.87	355.6	-86.9	176.3	128.3	47.92	3.678	
6,700.0	6,674.9	6,695.8	6,670.5	24.4	24.4	-94.62	365.4	-90.1	178.4	129.7	48.66	3.666	
6,800.0	6,774.9	6,796.7	6,771.1	24.7	24.8	-92.26	372.6	-92.5	180.3	130.9	49.39	3.651	
6,900.0	6,874.9	6,898.0	6,872.2	25.1	25.1	-90.74	377.4	-94.1	181.8	131.6	50.10	3.628	
7,000.0	6,974.9	6,999.4	6,973.7	25.4	25.5	-90.04	379.6	-94.8	182.5	131.6	50.81	3.591	
7,100.0	7,074.9	7,100.0	7,074.2	25.8	25.8	-89.98	379.8	-94.8	182.5	131.0	51.51	3.543	
7,200.0	7,174.9	7,200.0	7,174.2	26.1	26.2	-89.98	379.8	-94.8	182.5	130.3	52.21	3.496	
7,300.0	7,274.9	7,301.4	7,275.5	26.5	26.5	-90.89	376.9	-94.6	182.3	129.4	52.88	3.447	
7,376.8	7,351.7	7,378.0	7,351.0	26.8	26.7	-94.90	364.2	-93.5	181.8	128.5	53.35	3.408	
7,400.0	7,374.9	7,400.4	7,372.6	26.8	26.8	-96.67	358.6	-93.0	181.9	128.5	53.48	3.402	
7,500.0	7,474.9	7,490.7	7,457.3	27.2	27.0	-106.32	327.6	-90.4	186.3	132.6	53.73	3.467	
7,600.0	7,574.9	7,569.6	7,526.6	27.5	27.1	-117.19	289.9	-87.1	202.2	149.5	52.73	3.835	
7,700.0	7,674.9	7,636.8	7,580.9	27.9	27.2	-126.98	250.7	-83.8	234.0	184.0	50.03	4.677	
7,800.0	7,774.9	7,693.2	7,622.7	28.2	27.3	-134.75	213.0	-80.5	281.2	234.8	46.31	6.072	
7,900.0	7,874.9	7,740.4	7,654.7	28.6	27.3	-140.61	178.5	-77.6	340.6	298.1	42.49	8.015	
8,000.0	7,974.9	7,779.9	7,679.2	28.9	27.4	-144.99	147.6	-74.9	409.1	370.0	39.07	10.469	
8,100.0	8,074.9	7,813.2	7,698.2	29.3	27.4	-148.29	120.3	-72.6	484.1	447.9	36.17	13.384	
8,200.0	8,174.9	7,850.0	7,717.3	29.6	27.5	-151.54	89.0	-69.9	564.1	529.8	34.28	16.453	
8,300.0	8,274.9	7,865.6	7,724.7	30.0	27.5	-152.80	75.3	-68.7	647.3	615.6	31.76	20.380	
8,400.0	8,374.9	7,886.4	7,734.1	30.3	27.5	-154.39	56.8	-67.2	733.5	703.3	30.12	24.348	
8,500.0	8,474.9	7,900.0	7,739.9	30.7	27.5	-155.36	44.5	-66.1	821.7	793.2	28.57	28.759	
8,600.0	8,574.9	7,920.4	7,748.0	31.0	27.6	-156.73	25.9	-64.5	911.6	884.0	27.67	32.952	
8,700.0	8,674.9	7,934.3	7,753.1	31.4	27.6	-157.61	13.0	-63.4	1,002.9	976.1	26.75	37.486	
8,800.0	8,774.9	7,950.0	7,758.5	31.7	27.6	-158.56	-1.7	-62.1	1,095.3	1,069.1	26.11	41.942	
8,900.0	8,874.9	7,950.0	7,758.5	32.1	27.6	-158.56	-1.7	-62.1	1,188.6	1,163.4	25.16	47.236	
9,000.0	8,974.9	7,967.7	7,764.1	32.4	27.7	-159.56	-18.4	-60.7	1,282.5	1,257.6	24.90	51.501	
9,100.0	9,074.9	7,976.7	7,766.8	32.8	27.7	-160.05	-26.9	-60.0	1,377.2	1,352.7	24.51	56.195	
9,200.0	9,174.9	8,000.0	7,773.0	33.1	27.7	-161.24	-49.3	-58.1	1,472.7	1,448.1	24.55	59.979	
9,300.0	9,274.9	8,000.0	7,773.0	33.5	27.7	-161.24	-49.3	-58.1	1,568.1	1,544.0	24.12	65.003	
9,400.0	9,374.9	8,000.0	7,773.0	33.8	27.7	-161.24	-49.3	-58.1	1,664.1	1,640.3	23.80	69.931	
9,500.0	9,474.9	8,000.0	7,773.0	34.2	27.7	-161.24	-49.3	-58.1	1,760.5	1,737.0	23.55	74.745	
9,600.0	9,574.9	8,000.0	7,773.0	34.5	27.7	-161.24	-49.3	-58.1	1,857.3	1,833.9	23.38	79.434	
9,700.0	9,674.9	8,000.0	7,773.0	34.9	27.7	-161.24	-49.3	-58.1	1,954.5	1,931.2	23.27	83.990	
9,800.0	9,774.9	8,020.8	7,777.8	35.3	27.8	-162.23	-69.5	-56.3	2,051.4	2,027.9	23.52	87.218	
9,900.0	9,874.9	8,025.3	7,778.7	35.6	27.8	-162.43	-73.8	-56.0	2,148.8	2,125.3	23.55	91.261	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,974.9	8,029.5	7,779.6	36.0	27.8	-162.62	-77.9	-55.6	2,246.4	2,222.8	23.60	95.192	
10,100.0	10,074.9	8,050.0	7,783.3	36.3	27.8	-163.50	-98.1	-53.9	2,344.5	2,320.6	23.89	98.138	
10,200.0	10,174.9	8,050.0	7,783.3	36.7	27.8	-163.50	-98.1	-53.9	2,442.3	2,418.4	23.93	102.049	
10,300.0	10,274.9	8,050.0	7,783.3	37.0	27.8	-163.50	-98.1	-53.9	2,540.3	2,516.3	24.00	105.829	
10,400.0	10,374.9	8,050.0	7,783.3	37.4	27.8	-163.50	-98.1	-53.9	2,638.4	2,614.3	24.10	109.482	
10,500.0	10,474.9	8,050.0	7,783.3	37.7	27.8	-163.50	-98.1	-53.9	2,736.7	2,712.5	24.22	113.009	
10,600.0	10,574.9	8,050.0	7,783.3	38.1	27.8	-163.50	-98.1	-53.9	2,835.1	2,810.7	24.35	116.415	
10,700.0	10,674.9	8,050.0	7,783.3	38.4	27.8	-163.50	-98.1	-53.9	2,933.6	2,909.0	24.51	119.701	
10,800.0	10,774.9	8,050.0	7,783.3	38.8	27.8	-163.50	-98.1	-53.9	3,032.1	3,007.5	24.68	122.873	
10,900.0	10,874.9	8,050.0	7,783.3	39.1	27.8	-163.50	-98.1	-53.9	3,130.8	3,106.0	24.86	125.934	
11,000.0	10,974.9	8,050.0	7,783.3	39.5	27.8	-163.50	-98.1	-53.9	3,229.6	3,204.5	25.06	128.886	
11,100.0	11,074.9	8,050.0	7,783.3	39.8	27.8	-163.50	-98.1	-53.9	3,328.4	3,303.2	25.27	131.735	
11,200.0	11,174.9	8,050.0	7,783.3	40.2	27.8	-163.50	-98.1	-53.9	3,427.3	3,401.9	25.49	134.483	
11,300.0	11,274.9	8,050.0	7,783.3	40.6	27.8	-163.50	-98.1	-53.9	3,526.3	3,500.6	25.71	137.133	
11,400.0	11,374.9	8,050.0	7,783.3	40.9	27.8	-163.50	-98.1	-53.9	3,625.3	3,599.4	25.95	139.690	
11,500.0	11,474.9	8,050.0	7,783.3	41.3	27.8	-163.50	-98.1	-53.9	3,724.4	3,698.2	26.20	142.156	
11,600.0	11,574.9	8,050.0	7,783.3	41.6	27.8	-163.50	-98.1	-53.9	3,823.5	3,797.1	26.45	144.535	
11,700.0	11,674.9	8,072.5	7,786.5	42.0	27.9	-164.39	-120.2	-52.0	3,922.2	3,895.3	26.87	145.986	
11,800.0	11,774.9	8,074.0	7,786.7	42.3	27.9	-164.45	-121.8	-51.9	4,021.3	3,994.2	27.14	148.159	
11,900.0	11,874.9	8,075.5	7,786.9	42.7	27.9	-164.51	-123.2	-51.7	4,120.5	4,093.1	27.42	150.257	
12,000.0	11,974.9	8,076.9	7,787.1	43.0	27.9	-164.56	-124.6	-51.6	4,219.7	4,192.0	27.71	152.282	
12,100.0	12,074.9	8,078.3	7,787.2	43.4	27.9	-164.62	-126.0	-51.5	4,319.0	4,291.0	28.00	154.238	
12,200.0	12,174.9	8,100.0	7,789.3	43.7	28.0	-165.40	-147.5	-49.6	4,418.6	4,390.2	28.42	155.460	
12,300.0	12,274.9	8,100.0	7,789.3	44.1	28.0	-165.40	-147.5	-49.6	4,517.9	4,489.2	28.72	157.334	
12,400.0	12,374.9	8,100.0	7,789.3	44.5	28.0	-165.40	-147.5	-49.6	4,617.2	4,588.2	29.01	159.141	
12,500.0	12,474.9	8,100.0	7,789.3	44.8	28.0	-165.40	-147.5	-49.6	4,716.5	4,687.2	29.32	160.881	
12,600.0	12,574.9	8,100.0	7,789.3	45.2	28.0	-165.40	-147.5	-49.6	4,815.8	4,786.2	29.63	162.559	
12,700.0	12,674.9	8,100.0	7,789.3	45.5	28.0	-165.40	-147.5	-49.6	4,915.2	4,885.3	29.94	164.175	
12,800.0	12,774.9	8,100.0	7,789.3	45.9	28.0	-165.40	-147.5	-49.6	5,014.6	4,984.4	30.26	165.732	
12,900.0	12,874.9	8,100.0	7,789.3	46.2	28.0	-165.40	-147.5	-49.6	5,114.0	5,083.5	30.58	167.231	
13,000.0	12,974.9	8,100.0	7,789.3	46.6	28.0	-165.40	-147.5	-49.6	5,213.5	5,182.6	30.91	168.675	
13,100.0	13,074.9	8,100.0	7,789.3	46.9	28.0	-165.40	-147.5	-49.6	5,312.9	5,281.7	31.24	170.064	
13,188.1	13,163.0	8,100.0	7,789.3	47.2	28.0	-165.40	-147.5	-49.6	5,400.6	5,369.0	31.54	171.245	
13,200.0	13,174.9	8,100.0	7,789.3	47.3	28.0	4.81	-147.5	-49.6	5,412.4	5,380.8	31.58	171.404	
13,250.0	13,224.8	8,100.0	7,789.3	47.4	28.0	2.81	-147.5	-49.6	5,461.7	5,430.0	31.74	172.087	
13,300.0	13,274.2	8,100.0	7,789.3	47.6	28.0	1.99	-147.5	-49.6	5,510.2	5,478.3	31.89	172.794	
13,350.0	13,322.8	8,100.0	7,789.3	47.7	28.0	1.54	-147.5	-49.6	5,557.4	5,525.3	32.03	173.514	
13,400.0	13,370.1	8,100.0	7,789.3	47.8	28.0	1.27	-147.5	-49.6	5,603.1	5,570.9	32.16	174.241	
13,450.0	13,415.9	8,100.0	7,789.3	48.0	28.0	1.08	-147.5	-49.6	5,646.9	5,614.6	32.27	174.964	
13,500.0	13,459.7	8,100.0	7,789.3	48.1	28.0	0.95	-147.5	-49.6	5,688.6	5,656.2	32.38	175.675	
13,550.0	13,501.3	8,100.0	7,789.3	48.2	28.0	0.85	-147.5	-49.6	5,727.9	5,695.4	32.48	176.362	
13,600.0	13,540.3	8,100.0	7,789.3	48.3	28.0	0.77	-147.5	-49.6	5,764.5	5,732.0	32.57	177.013	
13,650.0	13,576.5	8,100.0	7,789.3	48.3	28.0	0.71	-147.5	-49.6	5,798.3	5,765.7	32.65	177.613	
13,700.0	13,609.5	8,100.0	7,789.3	48.4	28.0	0.67	-147.5	-49.6	5,829.0	5,796.3	32.72	178.148	
13,750.0	13,639.1	8,100.0	7,789.3	48.5	28.0	0.63	-147.5	-49.6	5,856.4	5,823.6	32.79	178.601	
13,800.0	13,665.0	8,119.9	7,790.5	48.6	28.0	0.55	-167.3	-47.9	5,880.1	5,847.1	32.94	178.532	
13,850.0	13,687.2	8,123.8	7,790.6	48.6	28.0	0.52	-171.2	-47.6	5,900.3	5,867.3	33.02	178.712	
13,900.0	13,705.4	8,143.8	7,791.0	48.7	28.1	0.45	-191.1	-45.9	5,917.1	5,884.0	33.15	178.472	
13,950.0	13,719.4	8,143.8	7,791.0	48.8	28.1	0.44	-191.1	-45.9	5,929.8	5,896.5	33.22	178.487	
14,000.0	13,729.2	8,143.8	7,791.0	48.8	28.1	0.44	-191.1	-45.9	5,938.5	5,905.2	33.30	178.352	
14,050.0	13,734.7	8,143.8	7,791.0	48.9	28.1	0.43	-191.1	-45.9	5,943.4	5,910.0	33.38	178.057	
14,088.1	13,736.0	8,143.8	7,791.0	49.0	28.1	0.43	-191.1	-45.9	5,944.5	5,911.0	33.45	177.724	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	13,736.0	8,154.5	7,791.0	49.0	28.1	0.41	-201.8	-45.0	5,944.5	5,911.0	33.50	177.426	
14,200.0	13,736.0	8,251.5	7,791.0	49.2	28.5	0.23	-298.5	-38.7	5,944.3	5,910.3	34.03	174.678	
14,300.0	13,736.0	8,350.1	7,791.0	49.4	28.9	0.11	-397.1	-35.7	5,944.3	5,909.7	34.63	171.663	
14,400.0	13,736.0	8,449.8	7,791.0	49.7	29.4	0.04	-496.8	-35.0	5,944.3	5,909.0	35.30	168.381	
14,500.0	13,736.0	8,549.7	7,791.0	50.0	30.0	0.01	-596.7	-34.4	5,944.3	5,908.3	36.04	164.957	
14,544.6	13,736.0	8,605.7	7,791.0	50.1	30.3	0.00	-641.3	-34.1	5,944.3	5,907.9	36.44	163.122	
14,546.0	13,736.0	8,604.3	7,791.0	50.1	30.3	0.00	-642.7	-34.1	5,944.3	5,907.9	36.44	163.142	
14,600.0	13,736.0	8,649.7	7,791.0	50.4	30.6	0.00	-696.7	-33.7	5,944.3	5,907.5	36.82	161.432	
14,700.0	13,736.0	8,749.7	7,791.0	50.8	31.4	0.00	-796.7	-33.1	5,944.3	5,906.6	37.66	157.851	
14,800.0	13,736.0	8,849.7	7,791.0	51.3	32.2	0.00	-896.7	-32.5	5,944.3	5,905.8	38.54	154.251	
14,900.0	13,736.0	8,949.7	7,791.0	51.8	33.1	0.00	-996.7	-31.9	5,944.3	5,904.8	39.46	150.659	
15,000.0	13,736.0	9,049.7	7,791.0	52.4	34.0	0.00	-1,096.7	-31.2	5,944.3	5,903.9	40.41	147.099	
15,100.0	13,736.0	9,149.7	7,791.0	53.0	35.0	0.00	-1,196.7	-30.6	5,944.3	5,902.9	41.40	143.587	
15,200.0	13,736.0	9,249.7	7,791.0	53.6	36.0	0.00	-1,296.7	-30.0	5,944.3	5,901.9	42.42	140.137	
15,300.0	13,736.0	9,349.7	7,791.0	54.3	37.1	0.00	-1,396.7	-29.3	5,944.3	5,900.8	43.47	136.759	
15,400.0	13,736.0	9,449.7	7,791.0	55.1	38.2	0.00	-1,496.7	-28.7	5,944.3	5,899.8	44.54	133.461	
15,500.0	13,736.0	9,549.7	7,791.0	55.9	39.4	0.00	-1,596.7	-28.1	5,944.3	5,898.7	45.64	130.249	
15,600.0	13,736.0	9,649.7	7,791.0	56.7	40.6	0.00	-1,696.7	-27.5	5,944.3	5,897.5	46.76	127.126	
15,700.0	13,736.0	9,749.7	7,791.0	57.6	41.8	0.00	-1,796.7	-26.8	5,944.3	5,896.4	47.90	124.093	
15,800.0	13,736.0	9,849.7	7,791.0	58.4	43.0	0.00	-1,896.7	-26.2	5,944.3	5,895.2	49.06	121.152	
15,900.0	13,736.0	9,949.7	7,791.0	59.4	44.3	0.00	-1,996.7	-25.6	5,944.3	5,894.1	50.25	118.304	
16,000.0	13,736.0	10,049.7	7,791.0	60.3	45.6	0.00	-2,096.7	-24.9	5,944.3	5,892.9	51.44	115.547	
16,100.0	13,736.0	10,149.7	7,791.0	61.3	46.9	0.00	-2,196.7	-24.3	5,944.3	5,891.6	52.66	112.880	
16,200.0	13,736.0	10,249.7	7,791.0	62.3	48.3	0.00	-2,296.7	-23.7	5,944.3	5,890.4	53.89	110.301	
16,300.0	13,736.0	10,349.7	7,791.0	63.4	49.6	0.00	-2,396.7	-23.0	5,944.3	5,889.2	55.14	107.809	
16,400.0	13,736.0	10,449.7	7,791.0	64.4	51.0	0.00	-2,496.7	-22.4	5,944.3	5,887.9	56.40	105.401	
16,500.0	13,736.0	10,549.7	7,791.0	65.5	52.4	0.00	-2,596.7	-21.8	5,944.3	5,886.6	57.67	103.075	
16,600.0	13,736.0	10,649.7	7,791.0	66.6	53.8	0.00	-2,696.6	-21.2	5,944.3	5,885.3	58.95	100.829	
16,700.0	13,736.0	10,749.7	7,791.0	67.8	55.3	0.00	-2,796.6	-20.5	5,944.3	5,884.0	60.25	98.659	
16,800.0	13,736.0	10,849.7	7,791.0	68.9	56.7	0.00	-2,896.6	-19.9	5,944.3	5,882.7	61.56	96.563	
16,900.0	13,736.0	10,949.7	7,791.0	70.1	58.1	0.00	-2,996.6	-19.3	5,944.3	5,881.4	62.88	94.539	
17,000.0	13,736.0	11,049.7	7,791.0	71.3	59.6	0.00	-3,096.6	-18.6	5,944.3	5,880.1	64.20	92.584	
17,100.0	13,736.0	11,149.7	7,791.0	72.5	61.1	0.00	-3,196.6	-18.0	5,944.3	5,878.8	65.54	90.695	
17,200.0	13,736.0	11,249.7	7,791.0	73.7	62.5	0.00	-3,296.6	-17.4	5,944.3	5,877.4	66.89	88.870	
17,300.0	13,736.0	11,349.7	7,791.0	75.0	64.0	0.00	-3,396.6	-16.8	5,944.3	5,876.1	68.24	87.106	
17,400.0	13,736.0	11,449.7	7,791.0	76.2	65.5	0.00	-3,496.6	-16.1	5,944.3	5,874.7	69.61	85.400	
17,500.0	13,736.0	11,549.7	7,791.0	77.5	67.0	0.00	-3,596.6	-15.5	5,944.3	5,873.3	70.98	83.752	
17,600.0	13,736.0	11,649.7	7,791.0	78.8	68.5	0.00	-3,696.6	-14.9	5,944.3	5,871.9	72.35	82.157	
17,700.0	13,736.0	11,749.7	7,791.0	80.1	70.0	0.00	-3,796.6	-14.2	5,944.3	5,870.6	73.74	80.615	
17,800.0	13,736.0	11,849.7	7,791.0	81.4	71.6	0.00	-3,896.6	-13.6	5,944.3	5,869.2	75.13	79.122	
17,900.0	13,736.0	11,949.7	7,791.0	82.8	73.1	0.00	-3,996.6	-13.0	5,944.3	5,867.8	76.53	77.678	
18,000.0	13,736.0	12,049.7	7,791.0	84.1	74.6	0.00	-4,096.6	-12.4	5,944.3	5,866.4	77.93	76.279	
18,100.0	13,736.0	12,149.7	7,791.0	85.5	76.2	0.00	-4,196.6	-11.7	5,944.3	5,865.0	79.34	74.925	
18,200.0	13,736.0	12,249.7	7,791.0	86.8	77.7	0.00	-4,296.6	-11.1	5,944.3	5,863.5	80.75	73.613	
18,300.0	13,736.0	12,349.7	7,791.0	88.2	79.3	0.00	-4,396.6	-10.5	5,944.3	5,862.1	82.17	72.341	
18,400.0	13,736.0	12,449.7	7,791.0	89.6	80.8	0.00	-4,496.6	-9.8	5,944.3	5,860.7	83.59	71.109	
18,500.0	13,736.0	12,549.7	7,791.0	91.0	82.4	0.00	-4,596.6	-9.2	5,944.3	5,859.3	85.02	69.914	
18,600.0	13,736.0	12,649.7	7,791.0	92.4	83.9	0.00	-4,696.6	-8.6	5,944.3	5,857.8	86.46	68.755	
18,700.0	13,736.0	12,749.7	7,791.0	93.8	85.5	0.00	-4,796.6	-8.0	5,944.3	5,856.4	87.89	67.630	
18,800.0	13,736.0	12,849.7	7,791.0	95.2	87.0	0.00	-4,896.6	-7.3	5,944.3	5,855.0	89.34	66.539	
18,900.0	13,736.0	12,949.7	7,791.0	96.6	88.6	0.00	-4,996.6	-6.7	5,944.3	5,853.5	90.78	65.479	
19,000.0	13,736.0	13,049.7	7,791.0	98.0	90.2	0.00	-5,096.6	-6.1	5,944.3	5,852.1	92.23	64.450	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.0	13,736.0	13,149.7	7,791.0	99.5	91.8	0.00	-5,196.6	-5.4	5,944.3	5,850.6	93.68	63.451	
19,200.0	13,736.0	13,249.7	7,791.0	100.9	93.3	0.00	-5,296.6	-4.8	5,944.3	5,849.2	95.14	62.479	
19,300.0	13,736.0	13,349.7	7,791.0	102.4	94.9	0.00	-5,396.6	-4.2	5,944.3	5,847.7	96.60	61.535	
19,400.0	13,736.0	13,449.7	7,791.0	103.8	96.5	0.00	-5,496.6	-3.5	5,944.3	5,846.2	98.06	60.617	
19,500.0	13,736.0	13,549.7	7,791.0	105.3	98.1	0.00	-5,596.6	-2.9	5,944.3	5,844.8	99.53	59.724	
19,600.0	13,736.0	13,649.7	7,791.0	106.7	99.7	0.00	-5,696.6	-2.3	5,944.3	5,843.3	101.00	58.856	
19,700.0	13,736.0	13,749.7	7,791.0	108.2	101.3	0.00	-5,796.6	-1.7	5,944.3	5,841.8	102.47	58.011	
19,800.0	13,736.0	13,849.7	7,791.0	109.7	102.8	0.00	-5,896.6	-1.0	5,944.3	5,840.4	103.94	57.188	
19,900.0	13,736.0	13,949.7	7,791.0	111.2	104.4	0.00	-5,996.6	-0.4	5,944.3	5,838.9	105.42	56.387	
20,000.0	13,736.0	14,049.7	7,791.0	112.7	106.0	0.00	-6,096.6	0.2	5,944.3	5,837.4	106.90	55.606	
20,100.0	13,736.0	14,149.7	7,791.0	114.2	107.6	0.00	-6,196.6	0.9	5,944.3	5,835.9	108.38	54.846	
20,200.0	13,736.0	14,249.7	7,791.0	115.7	109.2	0.00	-6,296.6	1.5	5,944.3	5,834.4	109.87	54.105	
20,300.0	13,736.0	14,349.7	7,791.0	117.2	110.8	0.00	-6,396.6	2.1	5,944.3	5,832.9	111.35	53.383	
20,400.0	13,736.0	14,449.7	7,791.0	118.7	112.4	0.00	-6,496.6	2.7	5,944.3	5,831.5	112.84	52.679	
20,500.0	13,736.0	14,549.7	7,791.0	120.2	114.0	0.00	-6,596.6	3.4	5,944.3	5,830.0	114.33	51.992	
20,600.0	13,736.0	14,649.7	7,791.0	121.7	115.6	0.00	-6,696.6	4.0	5,944.3	5,828.5	115.82	51.322	
20,700.0	13,736.0	14,749.7	7,791.0	123.2	117.2	0.00	-6,796.6	4.6	5,944.3	5,827.0	117.32	50.668	
20,800.0	13,736.0	14,849.7	7,791.0	124.7	118.8	0.00	-6,896.6	5.3	5,944.3	5,825.5	118.81	50.030	
20,900.0	13,736.0	14,949.7	7,791.0	126.2	120.5	0.00	-6,996.6	5.9	5,944.3	5,824.0	120.31	49.407	
21,000.0	13,736.0	15,049.7	7,791.0	127.8	122.1	0.00	-7,096.6	6.5	5,944.3	5,822.5	121.81	48.799	
21,100.0	13,736.0	15,149.7	7,791.0	129.3	123.7	0.00	-7,196.6	7.1	5,944.3	5,821.0	123.31	48.204	
21,200.0	13,736.0	15,249.7	7,791.0	130.8	125.3	0.00	-7,296.6	7.8	5,944.3	5,819.5	124.82	47.624	
21,300.0	13,736.0	15,349.7	7,791.0	132.4	126.9	0.00	-7,396.6	8.4	5,944.3	5,818.0	126.32	47.057	
21,400.0	13,736.0	15,449.7	7,791.0	133.9	128.5	0.00	-7,496.6	9.0	5,944.3	5,816.5	127.83	46.502	
21,500.0	13,736.0	15,549.7	7,791.0	135.4	130.1	0.00	-7,596.6	9.7	5,944.3	5,815.0	129.34	45.960	
21,600.0	13,736.0	15,649.7	7,791.0	137.0	131.7	0.00	-7,696.5	10.3	5,944.3	5,813.5	130.84	45.430	
21,700.0	13,736.0	15,749.7	7,791.0	138.5	133.4	0.00	-7,796.5	10.9	5,944.3	5,811.9	132.36	44.912	
21,800.0	13,736.0	15,849.7	7,791.0	140.1	135.0	0.00	-7,896.5	11.5	5,944.3	5,810.4	133.87	44.405	
21,900.0	13,736.0	15,949.7	7,791.0	141.6	136.6	0.00	-7,996.5	12.2	5,944.3	5,808.9	135.38	43.908	
22,000.0	13,736.0	16,049.7	7,791.0	143.2	138.2	0.00	-8,096.5	12.8	5,944.3	5,807.4	136.89	43.423	
22,100.0	13,736.0	16,149.7	7,791.0	144.7	139.8	0.00	-8,196.5	13.4	5,944.3	5,805.9	138.41	42.947	
22,200.0	13,736.0	16,249.7	7,791.0	146.3	141.4	0.00	-8,296.5	14.1	5,944.3	5,804.4	139.93	42.482	
22,300.0	13,736.0	16,349.7	7,791.0	147.8	143.1	0.00	-8,396.5	14.7	5,944.3	5,802.9	141.44	42.026	
22,400.0	13,736.0	16,449.7	7,791.0	149.4	144.7	0.00	-8,496.5	15.3	5,944.3	5,801.3	142.96	41.580	
22,500.0	13,736.0	16,549.7	7,791.0	151.0	146.3	0.00	-8,596.5	16.0	5,944.3	5,799.8	144.48	41.142	
22,600.0	13,736.0	16,649.7	7,791.0	152.5	147.9	0.00	-8,696.5	16.6	5,944.3	5,798.3	146.00	40.714	
22,700.0	13,736.0	16,749.7	7,791.0	154.1	149.6	0.00	-8,796.5	17.2	5,944.3	5,796.8	147.52	40.294	
22,800.0	13,736.0	16,849.7	7,791.0	155.7	151.2	0.00	-8,896.5	17.8	5,944.3	5,795.3	149.05	39.882	
22,900.0	13,736.0	16,949.7	7,791.0	157.2	152.8	0.00	-8,996.5	18.5	5,944.3	5,793.7	150.57	39.478	
23,000.0	13,736.0	17,049.7	7,791.0	158.8	154.4	0.00	-9,096.5	19.1	5,944.3	5,792.2	152.10	39.083	
23,100.0	13,736.0	17,149.7	7,791.0	160.4	156.1	0.00	-9,196.5	19.7	5,944.3	5,790.7	153.62	38.695	
23,200.0	13,736.0	17,249.7	7,791.0	162.0	157.7	0.00	-9,296.5	20.4	5,944.3	5,789.2	155.15	38.314	
23,300.0	13,736.0	17,349.7	7,791.0	163.5	159.3	0.00	-9,396.5	21.0	5,944.3	5,787.6	156.67	37.941	
23,400.0	13,736.0	17,449.7	7,791.0	165.1	160.9	0.00	-9,496.5	21.6	5,944.3	5,786.1	158.20	37.574	
23,500.0	13,736.0	17,549.7	7,791.0	166.7	162.6	0.00	-9,596.5	22.2	5,944.3	5,784.6	159.73	37.214	
23,600.0	13,736.0	17,649.7	7,791.0	168.3	164.2	0.00	-9,696.5	22.9	5,944.3	5,783.0	161.26	36.862	
23,700.0	13,736.0	17,749.7	7,791.0	169.8	165.8	0.00	-9,796.5	23.5	5,944.3	5,781.5	162.79	36.515	
23,800.0	13,736.0	17,849.7	7,791.0	171.4	167.5	0.00	-9,896.5	24.1	5,944.3	5,780.0	164.32	36.175	
23,900.0	13,736.0	17,949.7	7,791.0	173.0	169.1	0.00	-9,996.5	24.8	5,944.3	5,778.4	165.85	35.841	
24,000.0	13,736.0	18,049.7	7,791.0	174.6	170.7	0.00	-10,096.5	25.4	5,944.3	5,776.9	167.39	35.513	
24,037.2	13,736.0	18,086.9	7,791.0	175.2	171.3	0.00	-10,133.7	25.6	5,944.3	5,776.3	167.96	35.392	
24,037.7	13,736.0	18,087.4	7,791.0	175.2	171.3	0.00	-10,134.2	25.6	5,944.3	5,776.3	167.96	35.391	

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 242-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	-90.42	-1.5	-200.0	200.1				
100.0	100.0	96.5	96.5	0.1	0.2	-90.39	-1.4	-199.9	199.9	199.6	0.28	710.143	
200.0	200.0	197.1	197.1	0.5	0.3	-90.31	-1.1	-199.5	199.5	198.7	0.80	249.692	
300.0	300.0	297.7	297.7	0.8	0.6	-90.17	-0.6	-198.8	198.8	197.3	1.43	139.180	
400.0	400.0	397.9	397.9	1.2	0.9	-90.00	0.0	-197.8	197.8	195.7	2.15	92.211	
500.0	500.0	498.3	498.2	1.6	1.3	-89.74	0.9	-196.8	196.8	194.0	2.86	68.733	
600.0	600.0	597.4	597.4	1.9	1.7	-89.46	1.9	-195.8	195.8	192.3	3.58	54.747	
700.0	700.0	697.0	697.0	2.3	2.0	-89.26	2.5	-195.2	195.3	191.0	4.29	45.495	
800.0	800.0	796.9	796.8	2.6	2.4	-89.00	3.4	-194.8	194.8	189.8	5.01	38.905	
878.1	878.1	874.1	874.1	2.9	2.6	-88.82	4.0	-194.6	194.6	189.1	5.56	35.002	CC
900.0	900.0	895.9	895.8	3.0	2.7	-88.78	4.2	-194.6	194.7	188.9	5.72	34.052	
1,000.0	1,000.0	995.2	995.2	3.4	3.1	-88.52	5.0	-194.9	194.9	188.5	6.42	30.347	
1,100.0	1,100.0	1,094.6	1,094.6	3.7	3.4	-88.26	5.9	-195.4	195.5	188.3	7.13	27.417	ES
1,200.0	1,200.0	1,193.4	1,193.3	4.1	3.8	-87.88	7.3	-196.4	196.5	188.7	7.83	25.090	
1,300.0	1,300.0	1,292.8	1,292.7	4.4	4.1	-87.44	8.8	-197.9	198.1	189.6	8.54	23.200	
1,400.0	1,400.0	1,392.0	1,391.9	4.8	4.5	-87.00	10.5	-199.5	199.9	190.6	9.25	21.616	
1,500.0	1,500.0	1,492.1	1,491.9	5.1	4.8	-86.36	12.8	-201.6	202.1	192.1	9.96	20.293	
1,600.0	1,600.0	1,592.9	1,592.6	5.5	5.2	-85.61	15.6	-203.2	203.9	193.2	10.67	19.099	
1,700.0	1,700.0	1,693.1	1,692.9	5.9	5.5	-85.09	17.6	-204.6	205.4	194.0	11.39	18.037	
1,800.0	1,800.0	1,794.8	1,794.5	6.2	5.9	-84.94	18.2	-205.9	206.7	194.6	12.10	17.082	
1,900.0	1,900.0	1,895.3	1,895.0	6.6	6.2	-98.85	15.8	-206.5	207.2	194.4	12.79	16.198	
2,000.0	2,000.0	1,995.6	1,995.2	6.9	6.6	-100.69	11.7	-207.2	208.1	194.7	13.48	15.436	
2,100.0	2,099.9	2,095.4	2,094.9	7.3	6.9	-103.06	7.3	-207.6	209.4	195.2	14.18	14.772	
2,200.0	2,199.7	2,196.3	2,195.7	7.7	7.2	-105.81	3.1	-207.8	211.2	196.3	14.88	14.199	
2,300.0	2,299.4	2,297.2	2,296.6	8.0	7.6	-108.73	-0.2	-207.3	213.3	197.7	15.58	13.689	
2,400.0	2,398.9	2,397.4	2,396.7	8.4	7.9	-111.64	-2.1	-206.3	215.9	199.6	16.28	13.257	
2,500.0	2,498.3	2,496.6	2,495.9	8.7	8.3	-114.82	-3.8	-205.2	219.6	202.6	16.99	12.924	
2,600.0	2,597.4	2,595.0	2,594.3	9.1	8.6	-118.29	-5.8	-204.1	224.8	207.1	17.69	12.707	
2,700.0	2,696.4	2,693.2	2,692.5	9.5	8.9	-121.86	-7.9	-203.2	231.7	213.3	18.40	12.589	
2,800.0	2,795.5	2,792.7	2,792.0	9.9	9.3	-125.17	-9.9	-202.5	239.4	220.3	19.12	12.523	
2,900.0	2,894.5	2,897.3	2,896.5	10.2	9.6	-127.91	-9.2	-201.2	246.3	226.5	19.85	12.410	
3,000.0	2,993.5	2,999.5	2,998.6	10.6	10.0	-130.07	-6.3	-199.1	252.1	231.5	20.57	12.252	
3,100.0	3,092.5	3,102.0	3,101.1	11.0	10.4	-131.93	-2.0	-196.6	257.1	235.8	21.30	12.072	
3,200.0	3,191.6	3,204.8	3,203.5	11.4	10.7	-132.90	6.3	-194.5	260.8	238.8	22.02	11.841	
3,300.0	3,290.6	3,303.8	3,302.0	11.8	11.1	-133.43	15.9	-193.2	264.3	241.5	22.75	11.617	
3,400.0	3,389.6	3,403.0	3,400.8	12.2	11.4	-134.17	24.3	-191.7	268.3	244.8	23.48	11.428	
3,500.0	3,488.6	3,503.9	3,501.3	12.6	11.8	-134.90	33.1	-190.2	272.2	248.0	24.21	11.245	
3,600.0	3,587.7	3,602.8	3,599.9	13.0	12.1	-135.70	41.3	-188.1	276.0	251.0	24.94	11.066	
3,700.0	3,686.7	3,701.2	3,698.0	13.4	12.5	-136.39	49.5	-186.9	280.5	254.8	25.67	10.925	
3,800.0	3,785.7	3,800.0	3,796.4	13.8	12.9	-136.91	58.1	-186.4	285.3	258.9	26.40	10.805	
3,900.0	3,884.8	3,896.8	3,892.8	14.1	13.2	-137.41	66.2	-186.3	290.8	263.7	27.13	10.717	
4,000.0	3,983.8	3,995.9	3,991.5	14.5	13.6	-137.60	75.3	-187.9	297.2	269.4	27.87	10.665	
4,100.0	4,082.8	4,094.0	4,089.1	14.9	13.9	-137.52	85.3	-190.4	303.8	275.2	28.61	10.618	
4,200.0	4,181.8	4,192.7	4,187.4	15.3	14.3	-137.67	94.0	-192.6	311.0	281.6	29.35	10.595	
4,300.0	4,280.9	4,291.8	4,286.1	15.8	14.6	-137.99	101.9	-194.5	318.3	288.2	30.09	10.580	
4,400.0	4,379.9	4,390.1	4,384.1	16.2	15.0	-138.36	109.2	-196.4	326.0	295.2	30.82	10.577	
4,500.0	4,478.9	4,491.6	4,485.2	16.6	15.4	-138.64	117.1	-198.7	333.7	302.2	31.57	10.571	
4,600.0	4,577.9	4,595.0	4,588.1	17.0	15.8	-138.64	127.0	-201.2	340.6	308.3	32.33	10.535	
4,700.0	4,677.0	4,696.4	4,688.9	17.4	16.1	-138.43	138.2	-203.8	346.7	313.6	33.09	10.476	
4,732.6	4,709.2	4,728.5	4,720.8	17.5	16.3	-138.36	141.8	-204.6	348.6	315.3	33.34	10.457	
4,800.0	4,776.1	4,795.1	4,787.0	17.8	16.5	-138.24	149.0	-206.1	352.2	318.4	33.84	10.408	
4,900.0	4,875.5	4,894.0	4,885.3	18.2	16.9	-137.87	159.2	-208.5	356.4	321.8	34.59	10.301	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 242-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,975.1	4,998.6	4,989.3	18.5	17.3	-137.17	170.3	-210.4	358.0	322.6	35.36	10.123	
5,100.0	5,075.0	5,100.8	5,090.8	18.9	17.6	-136.12	182.0	-211.5	356.6	320.5	36.12	9.872	
5,200.0	5,174.9	5,198.3	5,187.7	19.3	18.0	-134.86	192.9	-212.6	353.6	316.8	36.86	9.593	
5,265.9	5,240.8	5,263.3	5,252.3	19.5	18.3	-120.88	199.8	-213.3	351.0	313.7	37.35	9.398	
5,300.0	5,274.9	5,296.9	5,285.7	19.6	18.4	-120.36	203.2	-213.7	349.5	311.9	37.60	9.296	
5,400.0	5,374.9	5,395.9	5,384.3	19.9	18.8	-118.85	213.1	-214.7	345.5	307.2	38.34	9.012	
5,500.0	5,474.9	5,495.9	5,483.8	20.3	19.1	-117.38	222.7	-215.5	341.7	302.6	39.08	8.743	
5,600.0	5,574.9	5,595.1	5,582.6	20.6	19.5	-115.94	232.0	-216.2	338.1	298.3	39.82	8.490	
5,700.0	5,674.9	5,694.0	5,681.1	21.0	19.9	-114.57	240.6	-216.7	334.8	294.2	40.55	8.256	
5,800.0	5,774.9	5,793.3	5,780.1	21.3	20.3	-113.28	248.6	-217.1	332.0	290.7	41.29	8.040	
5,900.0	5,874.9	5,894.9	5,881.4	21.6	20.6	-112.02	256.4	-217.3	329.1	287.1	42.03	7.831	
6,000.0	5,974.9	5,996.0	5,982.0	22.0	21.0	-110.57	265.4	-217.1	325.7	282.9	42.77	7.615	
6,100.0	6,074.9	6,095.2	6,080.7	22.3	21.4	-108.83	275.7	-217.3	322.4	278.9	43.51	7.410	
6,200.0	6,174.9	6,195.3	6,180.2	22.7	21.8	-106.98	286.5	-217.8	319.5	275.2	44.26	7.218	
6,300.0	6,274.9	6,295.4	6,279.8	23.0	22.1	-105.11	297.2	-217.9	316.6	271.6	45.01	7.034	
6,400.0	6,374.9	6,395.9	6,379.8	23.4	22.5	-103.31	307.5	-217.6	313.8	268.1	45.76	6.859	
6,500.0	6,474.9	6,495.2	6,478.6	23.7	22.9	-101.56	317.4	-217.1	311.1	264.6	46.50	6.692	
6,600.0	6,574.9	6,594.6	6,577.5	24.1	23.3	-99.80	327.2	-216.6	308.9	261.6	47.24	6.538	
6,700.0	6,674.9	6,695.7	6,678.1	24.4	23.7	-98.03	336.9	-215.9	306.7	258.7	47.98	6.391	
6,800.0	6,774.9	6,795.0	6,777.0	24.7	24.0	-96.33	346.2	-214.9	304.5	255.8	48.72	6.250	
6,900.0	6,874.9	6,894.1	6,875.7	25.1	24.4	-94.65	355.2	-214.0	302.7	253.2	49.45	6.121	
7,000.0	6,974.9	6,994.6	6,975.7	25.4	24.8	-93.00	364.0	-213.0	301.1	250.9	50.19	6.000	
7,100.0	7,074.9	7,092.2	7,073.0	25.8	25.2	-91.53	371.7	-212.2	300.0	249.1	50.91	5.893	
7,200.0	7,174.9	7,190.7	7,171.3	26.1	25.5	-90.30	378.2	-211.9	299.6	248.0	51.62	5.804	
7,267.2	7,242.1	7,257.6	7,238.1	26.4	25.8	-89.61	381.8	-211.9	299.6	247.5	52.10	5.749	
7,300.0	7,274.9	7,290.1	7,270.6	26.5	25.9	-89.31	383.3	-211.9	299.6	247.2	52.34	5.724	
7,400.0	7,374.9	7,389.2	7,369.6	26.8	26.2	-88.47	387.7	-212.1	299.9	246.9	53.05	5.653	
7,500.0	7,474.9	7,489.7	7,470.0	27.2	26.6	-87.62	392.2	-212.3	300.2	246.4	53.76	5.584	
7,600.0	7,574.9	7,588.4	7,568.6	27.5	27.0	-86.81	396.5	-212.6	300.8	246.3	54.47	5.522	
7,700.0	7,674.9	7,688.1	7,668.2	27.9	27.3	-86.07	400.4	-213.2	301.6	246.4	55.18	5.466	
7,800.0	7,774.9	7,783.0	7,763.1	28.2	27.7	-85.58	403.1	-214.2	302.9	247.0	55.84	5.424	SF
7,900.0	7,874.9	7,863.9	7,843.7	28.6	27.9	-86.40	399.0	-218.4	307.9	251.6	56.26	5.472	
8,000.0	7,974.9	7,930.0	7,907.5	28.9	28.1	-89.02	385.1	-228.3	322.3	266.4	55.93	5.764	
8,100.0	8,074.9	7,998.6	7,970.3	29.3	28.2	-92.97	362.5	-243.8	346.8	291.7	55.12	6.293	
8,200.0	8,174.9	8,073.0	8,035.4	29.6	28.4	-97.64	332.6	-263.7	379.5	325.2	54.29	6.990	
8,300.0	8,274.9	8,155.5	8,104.1	30.0	28.5	-103.26	292.1	-284.5	417.2	363.4	53.71	7.767	
8,400.0	8,374.9	8,222.4	8,156.5	30.3	28.6	-108.11	253.1	-299.5	460.4	408.0	52.31	8.801	
8,500.0	8,474.9	8,282.0	8,201.0	30.7	28.7	-112.22	216.0	-313.1	510.2	459.5	50.66	10.069	
8,600.0	8,574.9	8,339.9	8,242.7	31.0	28.8	-115.94	178.2	-326.6	565.7	516.5	49.14	11.512	
8,700.0	8,674.9	8,389.4	8,277.2	31.4	28.9	-118.88	144.7	-338.5	626.1	578.6	47.46	13.191	
8,800.0	8,774.9	8,426.0	8,301.3	31.7	29.0	-120.96	118.7	-347.5	691.5	646.0	45.44	15.215	
8,900.0	8,874.9	8,461.5	8,323.4	32.1	29.1	-122.89	92.4	-356.6	761.4	717.7	43.68	17.431	
9,000.0	8,974.9	8,503.0	8,347.9	32.4	29.2	-125.04	60.7	-367.3	834.8	792.3	42.45	19.667	
9,100.0	9,074.9	8,535.6	8,366.5	32.8	29.3	-126.66	35.2	-375.3	910.7	869.6	41.09	22.163	
9,200.0	9,174.9	8,568.0	8,383.4	33.1	29.4	-128.29	8.5	-382.6	989.6	949.6	39.93	24.783	
9,300.0	9,274.9	8,568.0	8,383.4	33.5	29.4	-128.29	8.5	-382.6	1,070.9	1,033.0	37.87	28.277	
9,400.0	9,374.9	8,596.4	8,396.6	33.8	29.5	-129.77	-16.1	-387.9	1,154.2	1,117.2	36.99	31.206	
9,500.0	9,474.9	8,615.0	8,404.3	34.2	29.5	-130.78	-32.8	-390.5	1,239.5	1,203.6	35.96	34.470	
9,600.0	9,574.9	8,630.9	8,410.5	34.5	29.6	-131.67	-47.4	-392.2	1,326.4	1,291.3	35.02	37.874	
9,700.0	9,674.9	8,648.8	8,417.0	34.9	29.6	-132.69	-64.0	-393.4	1,414.4	1,380.2	34.27	41.273	
9,800.0	9,774.9	8,664.0	8,422.1	35.3	29.7	-133.57	-78.3	-393.8	1,503.6	1,470.0	33.58	44.772	
9,900.0	9,874.9	8,681.5	8,427.7	35.6	29.7	-134.59	-94.9	-393.8	1,593.8	1,560.7	33.06	48.215	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 242-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	9,974.9	8,697.0	8,432.4	36.0	29.8	-135.49	-109.7	-393.5	1,684.7	1,652.1	32.59	51.701	
10,100.0	10,074.9	8,711.0	8,436.4	36.3	29.8	-136.29	-123.0	-393.0	1,776.4	1,744.2	32.17	55.211	
10,200.0	10,174.9	8,711.0	8,436.4	36.7	29.8	-136.29	-123.0	-393.0	1,868.8	1,837.2	31.62	59.106	
10,300.0	10,274.9	8,711.0	8,436.4	37.0	29.8	-136.29	-123.0	-393.0	1,962.0	1,930.8	31.16	62.974	
10,400.0	10,374.9	8,734.2	8,442.6	37.4	29.9	-137.60	-145.4	-391.8	2,055.3	2,024.2	31.11	66.057	
10,500.0	10,474.9	8,740.8	8,444.2	37.7	29.9	-137.97	-151.8	-391.5	2,149.4	2,118.5	30.88	69.601	
10,600.0	10,574.9	8,760.0	8,448.6	38.1	30.0	-139.01	-170.4	-390.4	2,244.0	2,213.1	30.87	72.687	
10,700.0	10,674.9	8,760.0	8,448.6	38.4	30.0	-139.01	-170.4	-390.4	2,338.8	2,308.2	30.65	76.298	
10,800.0	10,774.9	8,760.0	8,448.6	38.8	30.0	-139.01	-170.4	-390.4	2,434.0	2,403.6	30.49	79.837	
10,900.0	10,874.9	8,760.0	8,448.6	39.1	30.0	-139.01	-170.4	-390.4	2,529.6	2,499.3	30.37	83.298	
11,000.0	10,974.9	8,760.0	8,448.6	39.5	30.0	-139.01	-170.4	-390.4	2,625.6	2,595.3	30.29	86.678	
11,100.0	11,074.9	8,760.0	8,448.6	39.8	30.0	-139.01	-170.4	-390.4	2,721.8	2,691.5	30.25	89.974	
11,200.0	11,174.9	8,760.0	8,448.6	40.2	30.0	-139.01	-170.4	-390.4	2,818.2	2,788.0	30.24	93.184	
11,300.0	11,274.9	8,760.0	8,448.6	40.6	30.0	-139.01	-170.4	-390.4	2,915.0	2,884.7	30.27	96.308	
11,400.0	11,374.9	8,760.0	8,448.6	40.9	30.0	-139.01	-170.4	-390.4	3,011.9	2,981.6	30.32	99.344	
11,500.0	11,474.9	8,760.0	8,448.6	41.3	30.0	-139.01	-170.4	-390.4	3,109.0	3,078.6	30.39	102.294	
11,600.0	11,574.9	8,760.0	8,448.6	41.6	30.0	-139.01	-170.4	-390.4	3,206.3	3,175.8	30.49	105.158	
11,700.0	11,674.9	8,760.0	8,448.6	42.0	30.0	-139.01	-170.4	-390.4	3,303.8	3,273.2	30.61	107.937	
11,800.0	11,774.9	8,760.0	8,448.6	42.3	30.0	-139.01	-170.4	-390.4	3,401.4	3,370.6	30.74	110.632	
11,900.0	11,874.9	8,760.0	8,448.6	42.7	30.0	-139.01	-170.4	-390.4	3,499.1	3,468.2	30.90	113.245	
12,000.0	11,974.9	8,760.0	8,448.6	43.0	30.0	-139.01	-170.4	-390.4	3,597.0	3,565.9	31.07	115.777	
12,100.0	12,074.9	8,760.0	8,448.6	43.4	30.0	-139.01	-170.4	-390.4	3,695.0	3,663.7	31.25	118.231	
12,200.0	12,174.9	8,760.0	8,448.6	43.7	30.0	-139.01	-170.4	-390.4	3,793.0	3,761.6	31.45	120.607	
12,300.0	12,274.9	8,760.0	8,448.6	44.1	30.0	-139.01	-170.4	-390.4	3,891.2	3,859.6	31.66	122.909	
12,400.0	12,374.9	8,760.0	8,448.6	44.5	30.0	-139.01	-170.4	-390.4	3,989.5	3,957.6	31.88	125.137	
12,500.0	12,474.9	8,801.3	8,455.9	44.8	30.1	-141.14	-211.0	-388.3	4,086.0	4,053.7	32.39	126.148	
12,600.0	12,574.9	8,802.8	8,456.1	45.2	30.1	-141.22	-212.5	-388.2	4,184.3	4,151.7	32.64	128.208	
12,700.0	12,674.9	8,804.4	8,456.3	45.5	30.1	-141.29	-214.0	-388.2	4,282.7	4,249.8	32.89	130.203	
12,800.0	12,774.9	8,805.8	8,456.5	45.9	30.1	-141.36	-215.5	-388.1	4,381.2	4,348.0	33.16	132.136	
12,900.0	12,874.9	8,807.2	8,456.7	46.2	30.1	-141.43	-216.9	-388.1	4,479.7	4,446.2	33.43	134.007	
13,000.0	12,974.9	8,808.6	8,456.9	46.6	30.1	-141.50	-218.2	-388.0	4,578.2	4,544.5	33.71	135.819	
13,100.0	13,074.9	8,809.9	8,457.0	46.9	30.1	-141.56	-219.5	-388.0	4,676.9	4,642.9	34.00	137.573	
13,188.1	13,163.0	8,811.0	8,457.2	47.2	30.1	-141.61	-220.6	-387.9	4,763.8	4,729.5	34.25	139.071	
13,200.0	13,174.9	8,811.1	8,457.2	47.3	30.1	26.33	-220.7	-387.9	4,775.5	4,741.2	34.29	139.273	
13,250.0	13,224.8	8,812.0	8,457.3	47.4	30.1	17.85	-221.7	-387.9	4,824.3	4,789.9	34.43	140.131	
13,300.0	13,274.2	8,855.0	8,460.8	47.6	30.3	12.88	-264.4	-386.6	4,873.9	4,839.1	34.80	140.063	
13,350.0	13,322.8	8,855.0	8,460.8	47.7	30.3	10.41	-264.4	-386.6	4,920.2	4,885.3	34.90	140.987	
13,400.0	13,370.1	8,855.0	8,460.8	47.8	30.3	8.77	-264.4	-386.6	4,964.7	4,929.7	34.98	141.915	
13,450.0	13,415.9	8,855.0	8,460.8	48.0	30.3	7.61	-264.4	-386.6	5,007.3	4,972.3	35.06	142.838	
13,500.0	13,459.7	8,855.0	8,460.8	48.1	30.3	6.76	-264.4	-386.6	5,047.6	5,012.5	35.11	143.747	
13,550.0	13,501.3	8,855.0	8,460.8	48.2	30.3	6.11	-264.4	-386.6	5,085.5	5,050.3	35.16	144.629	
13,600.0	13,540.3	8,855.0	8,460.8	48.3	30.3	5.61	-264.4	-386.6	5,120.5	5,085.3	35.20	145.475	
13,650.0	13,576.5	8,855.0	8,460.8	48.3	30.3	5.21	-264.4	-386.6	5,152.7	5,117.5	35.23	146.270	
13,700.0	13,609.5	8,855.0	8,460.8	48.4	30.3	4.90	-264.4	-386.6	5,181.7	5,146.4	35.25	147.002	
13,750.0	13,639.1	8,855.0	8,460.8	48.5	30.3	4.65	-264.4	-386.6	5,207.4	5,172.1	35.27	147.657	
13,800.0	13,665.0	8,855.0	8,460.8	48.6	30.3	4.45	-264.4	-386.6	5,229.7	5,194.4	35.28	148.220	
13,850.0	13,687.2	8,855.0	8,460.8	48.6	30.3	4.30	-264.4	-386.6	5,248.4	5,213.1	35.30	148.677	
13,900.0	13,705.4	8,855.0	8,460.8	48.7	30.3	4.18	-264.4	-386.6	5,263.4	5,228.1	35.32	149.015	
13,950.0	13,719.4	8,855.0	8,460.8	48.8	30.3	4.10	-264.4	-386.6	5,274.7	5,239.3	35.35	149.221	
14,000.0	13,729.2	8,882.7	8,461.9	48.8	30.4	3.99	-292.1	-385.9	5,282.0	5,246.5	35.49	148.827	
14,050.0	13,734.7	8,904.1	8,462.5	48.9	30.5	3.92	-313.5	-385.3	5,285.2	5,249.6	35.61	148.424	
14,088.1	13,736.0	8,920.5	8,463.0	49.0	30.5	3.89	-329.8	-384.8	5,285.0	5,249.3	35.70	148.035	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 242-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	13,736.0	8,925.6	8,463.1	49.0	30.5	3.89	-334.9	-384.6	5,284.5	5,248.8	35.73	147.901	
14,200.0	13,736.0	8,971.9	8,463.9	49.2	30.7	3.86	-381.3	-382.6	5,281.5	5,245.5	36.03	146.607	
14,300.0	13,736.0	9,023.4	8,464.3	49.4	31.0	3.81	-432.6	-379.8	5,279.7	5,243.3	36.40	145.052	
14,400.0	13,736.0	9,086.2	8,464.2	49.7	31.3	3.74	-495.3	-375.4	5,279.1	5,242.2	36.87	143.181	
14,434.9	13,736.0	9,111.5	8,464.0	49.8	31.4	3.71	-520.4	-373.4	5,279.0	5,241.9	37.06	142.444	
14,500.0	13,736.0	9,157.7	8,463.6	50.0	31.6	3.65	-566.5	-369.2	5,279.2	5,241.7	37.42	141.072	
14,546.0	13,736.0	9,189.2	8,463.1	50.1	31.8	3.61	-597.8	-366.0	5,279.5	5,241.8	37.69	140.075	
14,600.0	13,736.0	9,226.2	8,462.5	50.4	32.0	3.56	-634.6	-361.9	5,280.1	5,242.0	38.01	138.897	
14,700.0	13,736.0	9,449.3	8,461.1	50.8	33.6	3.33	-856.5	-339.4	5,280.1	5,240.8	39.29	134.390	
14,800.0	13,736.0	9,526.0	8,461.4	51.3	34.2	3.27	-932.9	-332.5	5,279.3	5,239.3	40.01	131.954	
14,900.0	13,736.0	9,763.5	8,466.1	51.8	36.3	3.15	-1,169.9	-319.8	5,276.6	5,235.0	41.61	126.807	
15,000.0	13,736.0	9,831.4	8,468.1	52.4	37.0	3.14	-1,237.8	-318.3	5,273.6	5,231.2	42.36	124.483	
15,100.0	13,736.0	9,883.8	8,469.2	53.0	37.5	3.13	-1,290.2	-317.3	5,271.4	5,228.3	43.06	122.407	
15,200.0	13,736.0	9,953.5	8,470.1	53.6	38.2	3.12	-1,359.9	-316.0	5,270.0	5,226.1	43.89	120.067	
15,300.0	13,736.0	10,177.6	8,476.3	54.3	40.7	3.13	-1,583.9	-315.1	5,266.8	5,221.1	45.63	115.418	
15,400.0	13,736.0	10,241.0	8,478.4	55.1	41.4	3.15	-1,647.2	-316.1	5,263.6	5,217.1	46.47	113.258	
15,500.0	13,736.0	10,290.0	8,479.7	55.9	42.0	3.16	-1,696.2	-316.8	5,261.1	5,213.9	47.26	111.327	
15,600.0	13,736.0	10,340.9	8,480.6	56.7	42.6	3.17	-1,747.0	-317.5	5,259.6	5,211.6	48.08	109.385	
15,693.7	13,736.0	10,386.0	8,480.8	57.5	43.1	3.18	-1,792.2	-317.9	5,259.3	5,210.4	48.87	107.628	
15,700.0	13,736.0	10,386.0	8,480.8	57.6	43.1	3.18	-1,792.2	-317.9	5,259.3	5,210.4	48.90	107.548	
15,800.0	13,736.0	10,433.9	8,480.5	58.4	43.7	3.18	-1,840.1	-318.2	5,259.9	5,210.2	49.76	105.700	
15,900.0	13,736.0	10,481.0	8,479.8	59.4	44.2	3.19	-1,887.2	-318.3	5,261.5	5,210.9	50.64	103.897	
16,000.0	13,736.0	10,544.3	8,478.3	60.3	45.0	3.19	-1,950.4	-317.9	5,263.9	5,212.3	51.63	101.962	
16,100.0	13,736.0	10,577.0	8,477.3	61.3	45.4	3.18	-1,983.1	-317.5	5,267.2	5,214.8	52.47	100.380	
16,200.0	13,736.0	10,995.7	8,471.1	62.3	50.9	3.06	-2,401.3	-304.1	5,269.4	5,214.0	55.41	95.104	
16,300.0	13,736.0	16,300.0	8,473.9	63.4	123.4	3.06	-2,531.4	-302.6	5,267.2	5,172.5	94.69	55.628	
16,400.0	13,736.0	11,219.5	8,476.6	64.4	54.0	3.07	-2,625.0	-302.8	5,264.4	5,206.4	58.03	90.712	
16,500.0	13,736.0	11,247.0	8,477.2	65.5	54.4	3.08	-2,652.4	-303.6	5,262.6	5,203.7	58.87	89.390	
16,600.0	13,736.0	11,307.2	8,478.1	66.6	55.2	3.10	-2,712.6	-305.6	5,261.6	5,201.7	59.92	87.807	
16,700.0	13,736.0	11,621.0	8,485.9	67.8	59.6	3.13	-3,026.2	-306.0	5,258.9	5,196.4	62.49	84.154	
16,800.0	13,736.0	11,753.5	8,492.9	68.9	61.5	3.14	-3,158.5	-305.3	5,253.4	5,189.4	63.99	82.093	
16,900.0	13,736.0	11,808.0	8,495.2	70.1	62.3	3.15	-3,213.0	-305.7	5,249.1	5,184.1	65.03	80.719	
17,000.0	13,736.0	11,808.0	8,495.2	71.3	62.3	3.15	-3,213.0	-305.7	5,245.9	5,180.2	65.75	79.787	
17,100.0	13,736.0	11,866.3	8,496.6	72.5	63.2	3.17	-3,271.3	-306.8	5,243.8	5,177.0	66.84	78.455	
17,200.0	13,736.0	11,901.0	8,497.0	73.7	63.7	3.18	-3,305.9	-307.5	5,243.1	5,175.3	67.80	77.331	
17,207.5	13,736.0	11,901.0	8,497.0	73.8	63.7	3.18	-3,305.9	-307.5	5,243.1	5,175.2	67.86	77.266	
17,300.0	13,736.0	11,949.9	8,496.9	75.0	64.4	3.19	-3,354.8	-308.5	5,243.4	5,174.5	68.86	76.149	
17,400.0	13,736.0	11,995.0	8,496.4	76.2	65.1	3.20	-3,399.9	-309.5	5,244.7	5,174.8	69.90	75.030	
17,500.0	13,736.0	12,029.6	8,495.6	77.5	65.6	3.21	-3,434.5	-310.3	5,247.2	5,176.3	70.89	74.014	
17,600.0	13,736.0	12,519.2	8,500.4	78.8	72.9	3.25	-3,923.6	-309.9	5,244.8	5,170.3	74.55	70.352	
17,700.0	13,736.0	12,562.0	8,502.0	80.1	73.5	3.24	-3,966.4	-308.6	5,241.1	5,165.5	75.59	69.334	
17,800.0	13,736.0	12,595.8	8,502.8	81.4	74.0	3.23	-4,000.1	-307.8	5,238.5	5,161.9	76.59	68.398	
17,900.0	13,736.0	17,900.0	8,504.0	82.8	154.9	3.22	-4,103.2	-306.0	5,237.3	5,119.5	117.71	44.492	
18,000.0	13,736.0	12,849.0	8,508.6	84.1	77.9	3.19	-4,253.2	-302.0	5,233.8	5,154.1	79.69	65.677	
18,100.0	13,736.0	12,909.6	8,510.1	85.5	78.8	3.17	-4,313.7	-300.1	5,231.2	5,150.3	80.86	64.693	
18,200.0	13,736.0	12,988.9	8,511.4	86.8	80.0	3.15	-4,392.9	-297.8	5,229.3	5,147.2	82.15	63.656	
18,300.0	13,736.0	13,040.0	8,512.3	88.2	80.8	3.14	-4,444.0	-296.0	5,227.7	5,144.4	83.28	62.775	
18,400.0	13,736.0	13,105.1	8,512.9	89.6	81.8	3.11	-4,509.1	-293.5	5,226.8	5,142.3	84.49	61.863	
18,415.8	13,736.0	13,111.8	8,512.9	89.8	81.9	3.11	-4,515.8	-293.3	5,226.8	5,142.2	84.66	61.737	
18,500.0	13,736.0	13,135.0	8,512.8	91.0	82.3	3.10	-4,539.0	-292.4	5,227.2	5,141.7	85.50	61.134	
18,600.0	13,736.0	13,200.3	8,511.9	92.4	83.3	3.09	-4,604.3	-291.0	5,228.5	5,141.8	86.73	60.285	
18,700.0	13,736.0	13,251.1	8,510.8	93.8	84.1	3.10	-4,655.1	-291.2	5,230.8	5,142.9	87.88	59.525	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 242-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
18,800.0	13,736.0	13,302.6	8,509.2	95.2	84.9	3.10	-4,706.5	-291.4	5,234.0	5,145.0	89.03	58.790	
18,900.0	13,736.0	13,518.0	8,504.6	96.6	88.2	3.14	-4,921.8	-293.8	5,235.8	5,144.6	91.17	57.429	
19,000.0	13,736.0	13,590.3	8,503.5	98.0	89.3	3.15	-4,994.2	-294.0	5,237.4	5,145.0	92.46	56.647	
19,100.0	13,736.0	13,614.0	8,503.0	99.5	89.7	3.15	-5,017.8	-293.9	5,240.0	5,146.5	93.45	56.070	
19,200.0	13,736.0	13,672.9	8,501.1	100.9	90.6	3.15	-5,076.7	-294.0	5,243.5	5,148.8	94.66	55.392	
19,300.0	13,736.0	13,710.0	8,499.3	102.4	91.2	3.16	-5,113.7	-294.3	5,248.3	5,152.6	95.74	54.819	
19,400.0	13,736.0	14,045.0	8,488.8	103.8	96.4	3.23	-5,448.4	-299.3	5,251.8	5,153.1	98.64	53.243	
19,500.0	13,736.0	14,096.0	8,488.0	105.3	97.2	3.23	-5,499.5	-299.7	5,253.3	5,153.5	99.82	52.629	
19,600.0	13,736.0	14,143.8	8,486.7	106.7	98.0	3.24	-5,547.3	-300.0	5,255.8	5,154.8	100.98	52.050	
19,700.0	13,736.0	14,354.9	8,482.2	108.2	101.3	3.22	-5,758.2	-297.1	5,258.3	5,155.2	103.11	50.998	
19,800.0	13,736.0	14,551.9	8,482.0	109.7	104.5	3.13	-5,955.0	-287.9	5,258.2	5,153.0	105.13	50.018	
19,900.0	13,736.0	14,651.4	8,483.1	111.2	106.0	3.13	-6,054.5	-287.0	5,257.0	5,150.4	106.60	49.314	
20,000.0	13,736.0	14,711.7	8,483.6	112.7	107.0	3.13	-6,114.8	-286.7	5,256.2	5,148.4	107.85	48.734	
20,100.0	13,736.0	15,108.0	8,498.7	114.2	113.3	3.03	-6,510.3	-274.3	5,249.9	5,139.0	110.97	47.311	
20,200.0	13,736.0	15,146.0	8,500.5	115.7	113.9	3.04	-6,548.2	-274.2	5,244.8	5,132.7	112.12	46.780	
20,300.0	13,736.0	15,172.6	8,501.4	117.2	114.3	3.04	-6,574.8	-274.3	5,240.9	5,127.7	113.20	46.296	
20,400.0	13,736.0	15,242.0	8,503.6	118.7	115.4	3.04	-6,644.2	-274.1	5,237.8	5,123.3	114.52	45.735	
20,500.0	13,736.0	15,296.0	8,504.9	120.2	116.3	3.05	-6,698.2	-274.3	5,235.5	5,119.7	115.76	45.227	
20,600.0	13,736.0	15,337.0	8,505.5	121.7	117.0	3.06	-6,739.1	-274.8	5,234.0	5,117.1	116.92	44.766	
20,692.8	13,736.0	15,389.0	8,506.0	123.1	117.8	3.07	-6,791.1	-276.0	5,233.6	5,115.5	118.08	44.323	
20,700.0	13,736.0	15,392.1	8,506.0	123.2	117.8	3.08	-6,794.2	-276.1	5,233.6	5,115.4	118.16	44.291	
20,800.0	13,736.0	15,452.9	8,505.7	124.7	118.8	3.10	-6,855.0	-278.3	5,234.2	5,114.7	119.44	43.823	
20,900.0	13,736.0	15,728.0	8,508.1	126.2	123.2	3.17	-7,130.0	-282.3	5,233.5	5,111.5	121.98	42.904	
21,000.0	13,736.0	15,757.8	8,508.6	127.8	123.7	3.17	-7,159.8	-282.3	5,231.7	5,108.6	123.09	42.504	
21,100.0	13,736.0	15,815.0	8,508.8	129.3	124.6	3.18	-7,217.0	-282.9	5,231.3	5,106.9	124.35	42.069	
21,118.6	13,736.0	15,815.0	8,508.8	129.6	124.6	3.18	-7,217.0	-282.9	5,231.2	5,106.7	124.52	42.011	
21,200.0	13,736.0	15,815.0	8,508.8	130.8	124.6	3.18	-7,217.0	-282.9	5,231.9	5,106.6	125.26	41.768	
21,300.0	13,736.0	15,864.9	8,508.1	132.4	125.4	3.20	-7,266.9	-284.1	5,233.7	5,107.2	126.47	41.384	
21,400.0	13,736.0	15,911.0	8,506.7	133.9	126.1	3.22	-7,312.9	-286.0	5,236.8	5,109.2	127.64	41.027	
21,500.0	13,736.0	15,937.1	8,505.6	135.4	126.5	3.23	-7,339.0	-287.2	5,241.2	5,112.5	128.68	40.730	
21,600.0	13,736.0	15,977.2	8,503.5	137.0	127.2	3.26	-7,378.9	-289.2	5,246.7	5,116.9	129.80	40.420	
21,700.0	13,736.0	16,125.8	8,495.2	138.5	129.5	3.34	-7,527.1	-296.3	5,252.7	5,121.1	131.67	39.892	
21,800.0	13,736.0	16,370.1	8,486.7	140.1	133.4	3.47	-7,771.0	-307.5	5,256.5	5,122.3	134.18	39.175	
21,900.0	13,736.0	16,519.2	8,483.9	141.6	135.8	3.53	-7,920.0	-311.9	5,258.6	5,122.6	136.03	38.658	
22,000.0	13,736.0	16,733.9	8,483.8	143.2	139.3	3.51	-8,134.6	-308.8	5,258.2	5,120.0	138.22	38.042	
22,100.0	13,736.0	17,053.7	8,491.6	144.7	144.5	3.35	-8,453.8	-291.8	5,255.5	5,114.7	140.86	37.310	
22,200.0	13,736.0	17,060.0	8,491.9	146.3	144.6	3.35	-8,460.1	-291.5	5,251.5	5,109.6	141.89	37.010	
22,300.0	13,736.0	17,119.5	8,493.9	147.8	145.5	3.33	-8,519.5	-289.1	5,248.3	5,105.1	143.19	36.653	
22,400.0	13,736.0	17,155.0	8,494.4	149.4	146.1	3.32	-8,555.0	-287.9	5,246.7	5,102.3	144.35	36.347	
22,500.0	13,736.0	17,219.8	8,494.7	151.0	147.2	3.30	-8,619.7	-285.6	5,246.0	5,100.4	145.66	36.015	
22,573.0	13,736.0	17,268.3	8,494.7	152.1	148.0	3.28	-8,668.2	-283.4	5,245.9	5,099.2	146.62	35.778	
22,600.0	13,736.0	17,282.7	8,494.7	152.5	148.2	3.27	-8,682.5	-282.8	5,245.9	5,099.0	146.96	35.697	
22,700.0	13,736.0	17,346.0	8,494.0	154.1	149.2	3.24	-8,745.8	-280.0	5,246.7	5,098.4	148.25	35.390	
22,800.0	13,736.0	17,381.0	8,493.3	155.7	149.8	3.23	-8,780.7	-278.6	5,248.4	5,099.0	149.37	35.136	
22,900.0	13,736.0	17,442.0	8,491.4	157.2	150.8	3.21	-8,841.7	-276.5	5,251.2	5,100.6	150.64	34.859	
23,000.0	13,736.0	17,481.6	8,489.7	158.8	151.4	3.20	-8,881.3	-275.2	5,254.9	5,103.2	151.77	34.625	
23,100.0	13,736.0	17,863.6	8,482.6	160.4	157.6	3.10	-9,262.9	-264.1	5,257.5	5,102.5	154.99	33.922	
23,200.0	13,736.0	17,950.0	8,483.6	162.0	159.0	3.10	-9,349.3	-263.4	5,256.3	5,099.9	156.44	33.599	
23,300.0	13,736.0	18,028.3	8,484.2	163.5	160.3	3.10	-9,427.6	-262.7	5,255.6	5,097.7	157.85	33.295	
23,400.0	13,736.0	18,099.7	8,484.4	165.1	161.5	3.10	-9,499.0	-262.3	5,255.3	5,096.1	159.22	33.007	
23,500.0	13,736.0	18,265.9	8,486.1	166.7	164.2	3.09	-9,665.2	-260.7	5,253.9	5,092.8	161.13	32.607	
23,600.0	13,736.0	18,339.1	8,486.8	168.3	165.4	3.08	-9,738.4	-259.5	5,253.0	5,090.5	162.51	32.324	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 242-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
23,700.0	13,736.0	18,425.5	8,487.3	169.8	166.8	3.07	-9,824.7	-258.0	5,252.4	5,088.4	163.96	32.034	
23,800.0	13,736.0	18,510.6	8,487.5	171.4	168.2	3.05	-9,909.8	-254.8	5,251.9	5,086.5	165.40	31.753	
23,830.3	13,736.0	18,529.4	8,487.5	171.9	168.5	3.04	-9,928.5	-253.9	5,251.9	5,086.1	165.79	31.678	
23,900.0	13,736.0	18,572.6	8,487.3	173.0	169.2	3.01	-9,971.7	-251.6	5,252.1	5,085.4	166.69	31.507	
24,000.0	13,736.0	18,670.1	8,486.4	174.6	170.8	2.95	-10,069.0	-245.5	5,252.7	5,084.5	168.19	31.231	
24,037.2	13,736.0	18,708.5	8,486.0	175.2	171.4	2.93	-10,107.3	-242.7	5,252.9	5,084.1	168.75	31.128	
24,037.7	13,736.0	18,708.9	8,486.0	175.2	171.4	2.93	-10,107.7	-242.7	5,252.9	5,084.2	168.74	31.130	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #108H - Wellbore #1 - BLM Plan #2 — **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	-91.25	-2.0	-89.9	90.0				
100.0	100.0	101.0	99.0	0.1	0.1	-91.25	-2.0	-89.9	90.0	89.7	0.26	346.160	
200.0	200.0	201.0	199.0	0.5	0.5	-91.25	-2.0	-89.9	90.0	89.0	0.98	92.098	
300.0	300.0	301.0	299.0	0.8	0.8	-91.25	-2.0	-89.9	90.0	88.3	1.69	53.115	
400.0	400.0	401.0	399.0	1.2	1.2	-91.25	-2.0	-89.9	90.0	87.6	2.41	37.318	
500.0	500.0	501.0	499.0	1.6	1.6	-91.25	-2.0	-89.9	90.0	86.8	3.13	28.764	
600.0	600.0	601.0	599.0	1.9	1.9	-91.25	-2.0	-89.9	90.0	86.1	3.84	23.400	
700.0	700.0	701.0	699.0	2.3	2.3	-91.25	-2.0	-89.9	90.0	85.4	4.56	19.722	
800.0	800.0	801.0	799.0	2.6	2.6	-91.25	-2.0	-89.9	90.0	84.7	5.28	17.044	
900.0	900.0	901.0	899.0	3.0	3.0	-91.25	-2.0	-89.9	90.0	84.0	6.00	15.005	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-91.25	-2.0	-89.9	90.0	83.3	6.71	13.403	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-91.25	-2.0	-89.9	90.0	82.5	7.43	12.109	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-91.25	-2.0	-89.9	90.0	81.8	8.15	11.044	
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-91.25	-2.0	-89.9	90.0	81.1	8.86	10.150	
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-91.25	-2.0	-89.9	90.0	80.4	9.58	9.391	
1,500.0	1,500.0	1,501.0	1,499.0	5.1	5.2	-91.25	-2.0	-89.9	90.0	79.7	10.30	8.737	
1,600.0	1,600.0	1,601.0	1,599.0	5.5	5.5	-91.25	-2.0	-89.9	90.0	79.0	11.01	8.168	
1,700.0	1,700.0	1,701.0	1,699.0	5.9	5.9	-91.25	-2.0	-89.9	90.0	78.2	11.73	7.669	
1,800.0	1,800.0	1,801.0	1,799.0	6.2	6.2	-91.25	-2.0	-89.9	90.0	77.5	12.45	7.227	
1,900.0	1,900.0	1,901.0	1,899.0	6.6	6.6	-104.79	-2.0	-89.9	90.2	77.0	13.16	6.851	
2,000.0	2,000.0	2,001.0	1,999.0	6.9	6.9	-106.38	-2.0	-89.9	90.9	77.0	13.88	6.548	
2,100.0	2,099.9	2,101.1	2,098.9	7.3	7.3	-108.96	-2.0	-89.9	92.2	77.6	14.60	6.317	
2,200.0	2,199.7	2,201.3	2,198.7	7.7	7.7	-112.45	-2.0	-89.9	94.4	79.1	15.31	6.163	
2,300.0	2,299.4	2,301.6	2,298.4	8.0	8.0	-116.66	-2.0	-89.9	97.6	81.6	16.03	6.091	
2,400.0	2,398.9	2,402.1	2,397.9	8.4	8.4	-121.41	-2.0	-89.9	102.3	85.6	16.75	6.108	
2,500.0	2,498.3	2,502.7	2,497.3	8.7	8.7	-126.44	-2.0	-89.9	108.7	91.2	17.47	6.219	
2,600.0	2,597.4	2,603.6	2,596.4	9.1	9.1	-131.50	-2.0	-89.9	116.9	98.7	18.20	6.426	
2,700.0	2,696.4	2,704.6	2,695.4	9.5	9.5	-136.20	-2.0	-89.9	126.6	107.7	18.92	6.692	
2,800.0	2,795.5	2,805.5	2,794.5	9.9	9.8	-140.22	-2.0	-89.9	137.1	117.4	19.65	6.976	
2,900.0	2,894.5	2,906.5	2,893.5	10.2	10.2	-143.65	-2.0	-89.9	148.1	127.7	20.37	7.268	
3,000.0	2,993.5	3,007.5	2,992.5	10.6	10.6	-146.61	-2.0	-89.9	159.5	138.4	21.09	7.562	
3,100.0	3,092.5	3,108.5	3,091.5	11.0	10.9	-149.16	-2.0	-89.9	171.3	149.5	21.82	7.853	
3,200.0	3,191.6	3,209.4	3,190.6	11.4	11.3	-151.39	-2.0	-89.9	183.5	160.9	22.54	8.139	
3,300.0	3,290.6	3,289.6	3,289.6	11.8	11.6	-153.33	-2.0	-89.9	195.8	172.6	23.19	8.443	
3,400.0	3,389.6	3,388.6	3,388.6	12.2	11.9	-155.05	-2.0	-89.9	208.4	184.5	23.91	8.715	
3,500.0	3,488.6	3,487.6	3,487.6	12.6	12.3	-156.57	-2.0	-89.9	221.1	196.5	24.63	8.978	
3,600.0	3,587.7	3,586.7	3,586.7	13.0	12.6	-157.92	-2.0	-89.9	233.9	208.6	25.34	9.231	
3,700.0	3,686.7	3,685.7	3,685.7	13.4	13.0	-159.13	-2.0	-89.9	246.9	220.8	26.06	9.474	
3,800.0	3,785.7	3,784.7	3,784.7	13.8	13.3	-160.23	-2.0	-89.9	260.0	233.2	26.78	9.708	
3,900.0	3,884.8	3,887.9	3,887.9	14.1	13.7	-161.25	-1.4	-89.6	272.5	245.0	27.52	9.902	
4,000.0	3,983.8	3,992.3	3,992.3	14.5	14.1	-162.21	0.8	-88.2	283.3	255.0	28.26	10.025	
4,100.0	4,082.8	4,097.1	4,096.9	14.9	14.5	-163.11	4.5	-85.8	292.3	263.3	28.99	10.085	
4,200.0	4,181.8	4,202.1	4,201.8	15.3	14.8	-163.98	10.0	-82.4	299.6	269.9	29.71	10.084	
4,300.0	4,280.9	4,307.4	4,306.8	15.8	15.2	-164.83	17.0	-78.0	305.2	274.7	30.43	10.029	
4,400.0	4,379.9	4,412.9	4,411.8	16.2	15.6	-165.68	25.7	-72.5	308.9	277.8	31.14	9.921	
4,500.0	4,478.9	4,518.5	4,516.6	16.6	16.0	-166.54	36.1	-65.9	310.9	279.1	31.83	9.766	
4,600.0	4,577.9	4,622.8	4,620.0	17.0	16.3	-167.42	47.9	-58.5	311.2	278.6	32.53	9.564	
4,700.0	4,677.0	4,722.7	4,718.9	17.4	16.7	-168.28	59.6	-51.1	310.9	277.7	33.26	9.350	
4,732.6	4,709.2	4,755.2	4,751.1	17.5	16.8	-168.55	63.5	-48.7	310.9	277.4	33.49	9.282	
4,800.0	4,776.1	4,822.6	4,817.8	17.8	17.1	-169.11	71.4	-43.7	310.2	276.2	33.98	9.129	
4,900.0	4,875.5	4,922.4	4,916.7	18.2	17.4	-169.86	83.1	-36.2	307.1	272.4	34.70	8.850	
5,000.0	4,975.1	5,022.2	5,015.5	18.5	17.8	-170.54	94.9	-28.8	301.5	266.1	35.42	8.511	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #108H - Wellbore #1 - BLM Plan #2 — **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	5,075.0	5,121.8	5,114.1	18.9	18.2	-171.16	106.6	-21.4	293.3	257.2	36.14	8.116	
5,200.0	5,174.9	5,221.2	5,212.5	19.3	18.5	-171.74	118.3	-14.1	282.6	245.8	36.85	7.669	
5,265.9	5,240.8	5,286.5	5,277.2	19.5	18.8	-159.11	126.0	-9.2	274.2	236.9	37.32	7.346	
5,300.0	5,274.9	5,320.3	5,310.7	19.6	18.9	-159.30	130.0	-6.7	269.5	232.0	37.56	7.175	
5,400.0	5,374.9	5,419.3	5,408.7	19.9	19.3	-159.93	141.6	0.7	255.9	217.6	38.27	6.686	
5,500.0	5,474.9	5,518.3	5,506.8	20.3	19.7	-160.62	153.3	8.0	242.3	203.3	38.98	6.216	
5,600.0	5,574.9	5,617.4	5,604.9	20.6	20.0	-161.40	164.9	15.4	228.8	189.1	39.69	5.763	
5,700.0	5,674.9	5,716.4	5,702.9	21.0	20.4	-162.27	176.6	22.7	215.2	174.8	40.40	5.327	
5,800.0	5,774.9	5,815.4	5,801.0	21.3	20.8	-163.26	188.2	30.1	201.8	160.7	41.12	4.908	
5,900.0	5,874.9	5,914.4	5,899.1	21.6	21.2	-164.39	199.9	37.4	188.4	146.6	41.84	4.504	
6,000.0	5,974.9	6,013.5	5,997.1	22.0	21.6	-165.70	211.6	44.8	175.1	132.6	42.56	4.115	
6,100.0	6,074.9	6,112.5	6,095.2	22.3	21.9	-167.21	223.2	52.1	161.9	118.6	43.28	3.741	
6,200.0	6,174.9	6,211.5	6,193.3	22.7	22.3	-168.99	234.9	59.5	148.8	104.8	44.01	3.382	
6,300.0	6,274.9	6,310.6	6,291.3	23.0	22.7	-171.12	246.5	66.8	136.0	91.2	44.74	3.038	
6,400.0	6,374.9	6,409.6	6,389.4	23.4	23.1	-173.68	258.2	74.2	123.3	77.8	45.49	2.710	
6,500.0	6,474.9	6,508.6	6,487.4	23.7	23.5	-176.82	269.8	81.6	110.9	64.7	46.25	2.398	
6,600.0	6,574.9	6,607.6	6,585.5	24.1	23.9	179.28	281.5	88.9	98.9	51.9	47.02	2.104	
6,700.0	6,674.9	6,706.7	6,683.6	24.4	24.3	174.33	293.1	96.3	87.6	39.7	47.83	1.831	
6,800.0	6,774.9	6,805.7	6,781.6	24.7	24.7	167.98	304.8	103.6	77.0	28.3	48.67	1.582	
6,900.0	6,874.9	6,904.7	6,879.7	25.1	25.0	159.78	316.5	111.0	67.7	18.1	49.57	1.365	Level 3
7,000.0	6,974.9	7,003.7	6,977.8	25.4	25.4	149.30	328.1	118.3	60.2	9.7	50.51	1.191	Level 2
7,100.0	7,074.9	7,102.8	7,075.8	25.8	25.8	136.44	339.8	125.7	55.2	3.7	51.45	1.073	Level 2
7,198.2	7,173.1	7,200.0	7,172.1	26.1	26.2	122.25	351.2	132.9	53.5	1.2	52.29	1.023	Level 2, CC
7,200.0	7,174.9	7,201.8	7,173.9	26.1	26.2	121.98	351.4	133.0	53.5	1.2	52.31	1.022	Level 2, ES, SF
7,300.0	7,274.9	7,301.2	7,272.5	26.5	26.6	109.03	361.8	139.6	55.0	1.9	53.02	1.036	Level 2
7,400.0	7,374.9	7,401.2	7,372.0	26.8	27.0	99.56	370.1	144.8	58.0	4.3	53.68	1.080	Level 2
7,500.0	7,474.9	7,501.6	7,472.2	27.2	27.4	93.31	376.2	148.7	61.1	6.8	54.33	1.125	Level 2
7,600.0	7,574.9	7,602.3	7,572.8	27.5	27.7	89.68	380.1	151.1	63.5	8.5	54.99	1.154	Level 2
7,700.0	7,674.9	7,703.3	7,673.7	27.9	28.1	88.23	381.7	152.2	64.5	8.9	55.66	1.159	Level 2
7,800.0	7,774.9	7,803.5	7,773.9	28.2	28.4	88.19	381.8	152.2	64.6	8.2	56.36	1.145	Level 2
7,900.0	7,874.9	7,903.5	7,873.9	28.6	28.8	88.19	381.8	152.2	64.6	7.5	57.06	1.131	Level 2
8,000.0	7,974.9	8,003.5	7,973.9	28.9	29.1	88.19	381.8	152.2	64.6	6.8	57.75	1.118	Level 2
8,100.0	8,074.9	8,103.5	8,073.9	29.3	29.5	88.19	381.8	152.2	64.6	6.1	58.45	1.104	Level 2
8,200.0	8,174.9	8,203.5	8,173.9	29.6	29.8	88.19	381.8	152.2	64.6	5.4	59.15	1.091	Level 2
8,206.0	8,181.0	8,209.5	8,180.0	29.6	29.8	88.19	381.8	152.2	64.6	5.4	59.20	1.091	Level 2
8,300.0	8,274.9	8,303.1	8,273.5	30.0	30.2	88.65	381.3	152.3	64.6	4.8	59.86	1.080	Level 2
8,400.0	8,374.9	8,399.9	8,369.4	30.3	30.4	99.04	369.2	154.2	67.5	7.0	60.54	1.115	Level 2
8,500.0	8,474.9	8,490.1	8,455.8	30.7	30.7	117.07	343.6	158.3	81.3	21.5	59.85	1.359	Level 3
8,600.0	8,574.9	8,570.7	8,528.6	31.0	30.8	132.60	309.8	163.7	112.8	56.0	56.73	1.988	
8,700.0	8,674.9	8,640.3	8,587.2	31.4	30.9	142.56	272.7	169.6	160.3	107.6	52.65	3.044	
8,800.0	8,774.9	8,700.0	8,633.5	31.7	31.0	148.64	235.5	175.6	219.7	170.9	48.82	4.499	
8,900.0	8,874.9	8,750.0	8,669.0	32.1	31.1	152.42	200.8	181.1	287.6	242.3	45.37	6.339	
9,000.0	8,974.9	8,791.4	8,696.0	32.4	31.1	154.88	169.9	186.1	361.8	319.5	42.32	8.550	
9,100.0	9,074.9	8,826.9	8,717.4	32.8	31.1	156.62	141.8	190.5	440.8	401.0	39.81	11.073	
9,200.0	9,174.9	8,850.0	8,730.3	33.1	31.1	157.59	123.0	193.6	523.4	486.3	37.11	14.102	
9,300.0	9,274.9	8,883.0	8,747.4	33.5	31.1	158.81	95.1	198.0	608.6	572.7	35.93	16.938	
9,400.0	9,374.9	8,900.0	8,755.6	33.8	31.2	159.37	80.4	200.4	696.2	662.1	34.13	20.396	
9,500.0	9,474.9	8,924.8	8,766.7	34.2	31.2	160.12	58.5	203.9	785.4	752.2	33.24	23.626	
9,600.0	9,574.9	8,950.0	8,777.0	34.5	31.2	160.79	35.8	207.5	876.2	843.6	32.64	26.849	
9,700.0	9,674.9	8,950.0	8,777.0	34.9	31.2	160.79	35.8	207.5	968.1	937.0	31.12	31.109	
9,800.0	9,774.9	8,969.9	8,784.4	35.3	31.2	161.28	17.5	210.4	1,060.9	1,030.1	30.72	34.530	
9,900.0	9,874.9	8,981.8	8,788.5	35.6	31.2	161.55	6.5	212.2	1,154.5	1,124.4	30.17	38.266	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #108H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,974.9	9,000.0	8,794.4	36.0	31.3	161.94	-10.5	214.9	1,248.9	1,219.0	29.97	41.677	
10,100.0	10,074.9	9,000.0	8,794.4	36.3	31.3	161.94	-10.5	214.9	1,343.8	1,314.5	29.32	45.834	
10,200.0	10,174.9	9,000.0	8,794.4	36.7	31.3	161.94	-10.5	214.9	1,439.3	1,410.5	28.83	49.932	
10,300.0	10,274.9	9,018.4	8,799.7	37.0	31.3	162.31	-27.9	217.7	1,535.0	1,506.1	28.90	53.123	
10,400.0	10,374.9	9,025.6	8,801.7	37.4	31.3	162.45	-34.7	218.8	1,631.2	1,602.5	28.75	56.740	
10,500.0	10,474.9	9,032.2	8,803.4	37.7	31.3	162.57	-41.0	219.8	1,727.8	1,699.1	28.65	60.297	
10,600.0	10,574.9	9,050.0	8,807.6	38.1	31.4	162.89	-58.1	222.5	1,824.8	1,795.9	28.83	63.299	
10,700.0	10,674.9	9,050.0	8,807.6	38.4	31.4	162.89	-58.1	222.5	1,921.7	1,893.0	28.70	66.955	
10,800.0	10,774.9	9,050.0	8,807.6	38.8	31.4	162.89	-58.1	222.5	2,019.0	1,990.4	28.63	70.513	
10,900.0	10,874.9	9,050.0	8,807.6	39.1	31.4	162.89	-58.1	222.5	2,116.5	2,087.9	28.61	73.973	
11,000.0	10,974.9	9,050.0	8,807.6	39.5	31.4	162.89	-58.1	222.5	2,214.2	2,185.6	28.63	77.333	
11,100.0	11,074.9	9,050.0	8,807.6	39.8	31.4	162.89	-58.1	222.5	2,312.2	2,283.5	28.69	80.595	
11,200.0	11,174.9	9,050.0	8,807.6	40.2	31.4	162.89	-58.1	222.5	2,410.3	2,381.5	28.78	83.760	
11,300.0	11,274.9	9,069.8	8,811.7	40.6	31.4	163.21	-77.3	225.5	2,508.1	2,479.0	29.13	86.115	
11,400.0	11,374.9	9,073.2	8,812.3	40.9	31.5	163.26	-80.6	226.1	2,606.3	2,577.0	29.29	88.990	
11,500.0	11,474.9	9,076.4	8,812.9	41.3	31.5	163.31	-83.7	226.6	2,704.7	2,675.2	29.47	91.789	
11,600.0	11,574.9	9,079.4	8,813.4	41.6	31.5	163.36	-86.6	227.0	2,803.1	2,773.4	29.66	94.511	
11,700.0	11,674.9	9,100.0	8,816.6	42.0	31.5	163.66	-106.7	230.2	2,901.9	2,871.9	30.04	96.600	
11,800.0	11,774.9	9,100.0	8,816.6	42.3	31.5	163.66	-106.7	230.2	3,000.5	2,970.2	30.23	99.270	
11,900.0	11,874.9	9,100.0	8,816.6	42.7	31.5	163.66	-106.7	230.2	3,099.1	3,068.6	30.43	101.859	
12,000.0	11,974.9	9,100.0	8,816.6	43.0	31.5	163.66	-106.7	230.2	3,197.8	3,167.1	30.64	104.369	
12,100.0	12,074.9	9,100.0	8,816.6	43.4	31.5	163.66	-106.7	230.2	3,296.5	3,265.7	30.87	106.803	
12,200.0	12,174.9	9,100.0	8,816.6	43.7	31.5	163.66	-106.7	230.2	3,395.4	3,364.3	31.10	109.163	
12,300.0	12,274.9	9,100.0	8,816.6	44.1	31.5	163.66	-106.7	230.2	3,494.3	3,462.9	31.35	111.451	
12,400.0	12,374.9	9,100.0	8,816.6	44.5	31.5	163.66	-106.7	230.2	3,593.3	3,561.7	31.61	113.669	
12,500.0	12,474.9	9,100.0	8,816.6	44.8	31.5	163.66	-106.7	230.2	3,692.3	3,660.4	31.88	115.820	
12,600.0	12,574.9	9,100.0	8,816.6	45.2	31.5	163.66	-106.7	230.2	3,791.4	3,759.2	32.16	117.905	
12,700.0	12,674.9	9,100.0	8,816.6	45.5	31.5	163.66	-106.7	230.2	3,890.5	3,858.1	32.44	119.927	
12,800.0	12,774.9	9,100.0	8,816.6	45.9	31.5	163.66	-106.7	230.2	3,989.7	3,956.9	32.73	121.887	
12,900.0	12,874.9	9,100.0	8,816.6	46.2	31.5	163.66	-106.7	230.2	4,088.9	4,055.8	33.03	123.787	
13,000.0	12,974.9	9,100.0	8,816.6	46.6	31.5	163.66	-106.7	230.2	4,188.1	4,154.8	33.34	125.629	
13,100.0	13,074.9	9,100.0	8,816.6	46.9	31.5	163.66	-106.7	230.2	4,287.4	4,253.8	33.65	127.414	
13,188.1	13,163.0	9,100.0	8,816.6	47.2	31.5	163.66	-106.7	230.2	4,374.9	4,341.0	33.93	128.942	
13,200.0	13,174.9	9,100.0	8,816.6	47.3	31.5	-21.41	-106.7	230.2	4,386.7	4,352.7	33.97	129.147	
13,250.0	13,224.8	9,100.0	8,816.6	47.4	31.5	-13.06	-106.7	230.2	4,435.9	4,401.8	34.12	130.019	
13,300.0	13,274.2	9,100.0	8,816.6	47.6	31.5	-9.37	-106.7	230.2	4,484.3	4,450.0	34.26	130.902	
13,350.0	13,322.8	9,100.0	8,816.6	47.7	31.5	-7.32	-106.7	230.2	4,531.4	4,497.0	34.38	131.787	
13,400.0	13,370.1	9,100.0	8,816.6	47.8	31.5	-6.03	-106.7	230.2	4,576.9	4,542.4	34.50	132.663	
13,450.0	13,415.9	9,100.0	8,816.6	48.0	31.5	-5.15	-106.7	230.2	4,620.7	4,586.1	34.61	133.522	
13,500.0	13,459.7	9,123.5	8,819.3	48.1	31.6	-4.64	-129.7	233.9	4,661.8	4,627.0	34.82	133.888	
13,550.0	13,501.3	9,126.8	8,819.6	48.2	31.6	-4.17	-132.9	234.4	4,700.9	4,666.0	34.92	134.628	
13,600.0	13,540.3	9,150.0	8,821.2	48.3	31.7	-3.90	-155.8	238.1	4,737.8	4,702.7	35.10	134.971	
13,650.0	13,576.5	9,150.0	8,821.2	48.3	31.7	-3.61	-155.8	238.1	4,771.2	4,736.1	35.17	135.671	
13,700.0	13,609.5	9,150.0	8,821.2	48.4	31.7	-3.37	-155.8	238.1	4,801.7	4,766.5	35.23	136.294	
13,750.0	13,639.1	9,150.0	8,821.2	48.5	31.7	-3.19	-155.8	238.1	4,828.9	4,793.6	35.29	136.824	
13,800.0	13,665.0	9,150.0	8,821.2	48.6	31.7	-3.04	-155.8	238.1	4,852.8	4,817.4	35.36	137.248	
13,850.0	13,687.2	9,150.0	8,821.2	48.6	31.7	-2.92	-155.8	238.1	4,873.2	4,837.8	35.43	137.553	
13,900.0	13,705.4	9,150.0	8,821.2	48.7	31.7	-2.83	-155.8	238.1	4,890.0	4,854.5	35.51	137.724	
13,950.0	13,719.4	9,150.0	8,821.2	48.8	31.7	-2.77	-155.8	238.1	4,903.1	4,867.5	35.59	137.752	
14,000.0	13,729.2	9,178.6	8,822.0	48.8	31.8	-2.82	-184.0	242.6	4,912.3	4,876.5	35.77	137.312	
14,050.0	13,734.7	9,178.6	8,822.0	48.9	31.8	-2.80	-184.0	242.6	4,917.6	4,881.7	35.88	137.055	
14,088.1	13,736.0	9,178.6	8,822.0	49.0	31.8	-2.79	-184.0	242.6	4,919.0	4,883.0	35.97	136.752	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #108H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	13,736.0	9,178.6	8,822.0	49.0	31.8	-2.79	-184.0	242.6	4,919.1	4,883.1	36.00	136.640	
14,200.0	13,736.0	9,257.4	8,822.0	49.2	32.0	-3.07	-262.0	254.0	4,920.5	4,884.0	36.48	134.889	
14,300.0	13,736.0	9,365.8	8,822.0	49.4	32.5	-3.35	-369.8	266.1	4,921.7	4,884.6	37.08	132.738	
14,400.0	13,736.0	9,476.5	8,822.0	49.7	33.0	-3.54	-480.1	274.3	4,922.5	4,884.8	37.74	130.441	
14,500.0	13,736.0	9,588.3	8,822.0	50.0	33.6	-3.63	-591.9	278.2	4,922.9	4,884.4	38.45	128.041	
14,546.0	13,736.0	9,637.2	8,822.0	50.1	33.9	-3.64	-640.7	278.6	4,922.9	4,884.1	38.78	126.944	
14,600.0	13,736.0	9,708.8	8,822.0	50.4	34.4	-3.64	-694.7	278.9	4,922.9	4,883.7	39.26	125.397	
14,700.0	13,736.0	9,808.8	8,822.0	50.8	35.0	-3.64	-794.7	279.5	4,922.9	4,882.9	40.03	122.992	
14,800.0	13,736.0	9,908.8	8,822.0	51.3	35.8	-3.64	-894.7	280.2	4,922.9	4,882.1	40.84	120.540	
14,900.0	13,736.0	10,008.8	8,822.0	51.8	36.6	-3.64	-994.7	280.8	4,922.9	4,881.2	41.70	118.062	
15,000.0	13,736.0	10,108.8	8,822.0	52.4	37.4	-3.64	-1,094.7	281.4	4,922.9	4,880.3	42.59	115.576	
15,100.0	13,736.0	10,208.8	8,822.0	53.0	38.4	-3.64	-1,194.7	282.0	4,922.9	4,879.4	43.53	113.097	
15,200.0	13,736.0	10,308.8	8,822.0	53.6	39.3	-3.64	-1,294.7	282.7	4,922.9	4,878.4	44.50	110.636	
15,300.0	13,736.0	10,408.8	8,822.0	54.3	40.3	-3.64	-1,394.7	283.3	4,922.9	4,877.4	45.50	108.205	
15,400.0	13,736.0	10,508.8	8,822.0	55.1	41.3	-3.64	-1,494.7	283.9	4,922.9	4,876.4	46.53	105.810	
15,500.0	13,736.0	10,608.8	8,822.0	55.9	42.4	-3.64	-1,594.7	284.5	4,922.9	4,875.3	47.58	103.459	
15,600.0	13,736.0	10,708.8	8,822.0	56.7	43.5	-3.64	-1,694.7	285.1	4,922.9	4,874.2	48.67	101.156	
15,700.0	13,736.0	10,808.8	8,822.0	57.6	44.7	-3.64	-1,794.7	285.8	4,922.9	4,873.1	49.77	98.906	
15,800.0	13,736.0	10,908.8	8,822.0	58.4	45.9	-3.64	-1,894.7	286.4	4,922.9	4,872.0	50.90	96.710	
15,900.0	13,736.0	11,008.8	8,822.0	59.4	47.1	-3.64	-1,994.7	287.0	4,922.9	4,870.9	52.06	94.571	
16,000.0	13,736.0	11,108.8	8,822.0	60.3	48.3	-3.64	-2,094.7	287.6	4,922.9	4,869.7	53.23	92.490	
16,100.0	13,736.0	11,208.8	8,822.0	61.3	49.5	-3.64	-2,194.7	288.3	4,922.9	4,868.5	54.42	90.468	
16,200.0	13,736.0	11,308.8	8,822.0	62.3	50.8	-3.64	-2,294.7	288.9	4,922.9	4,867.3	55.62	88.504	
16,300.0	13,736.0	11,408.8	8,822.0	63.4	52.1	-3.64	-2,394.7	289.5	4,922.9	4,866.1	56.85	86.599	
16,400.0	13,736.0	11,508.8	8,822.0	64.4	53.4	-3.64	-2,494.7	290.1	4,922.9	4,864.8	58.09	84.751	
16,500.0	13,736.0	11,608.8	8,822.0	65.5	54.8	-3.64	-2,594.7	290.7	4,922.9	4,863.6	59.34	82.960	
16,600.0	13,736.0	11,708.8	8,822.0	66.6	56.1	-3.64	-2,694.7	291.4	4,922.9	4,862.3	60.61	81.224	
16,700.0	13,736.0	11,808.8	8,822.0	67.8	57.5	-3.64	-2,794.7	292.0	4,922.9	4,861.0	61.89	79.543	
16,800.0	13,736.0	11,908.8	8,822.0	68.9	58.9	-3.64	-2,894.7	292.6	4,922.9	4,859.7	63.18	77.915	
16,900.0	13,736.0	12,008.8	8,822.0	70.1	60.3	-3.64	-2,994.7	293.2	4,922.9	4,858.4	64.49	76.338	
17,000.0	13,736.0	12,108.8	8,822.0	71.3	61.7	-3.64	-3,094.7	293.9	4,922.9	4,857.1	65.80	74.812	
17,100.0	13,736.0	12,208.8	8,822.0	72.5	63.1	-3.64	-3,194.7	294.5	4,922.9	4,855.8	67.13	73.333	
17,200.0	13,736.0	12,308.8	8,822.0	73.7	64.5	-3.64	-3,294.7	295.1	4,922.9	4,854.4	68.47	71.902	
17,300.0	13,736.0	12,408.8	8,822.0	75.0	66.0	-3.64	-3,394.7	295.7	4,922.9	4,853.1	69.81	70.516	
17,400.0	13,736.0	12,508.8	8,822.0	76.2	67.4	-3.64	-3,494.7	296.3	4,922.9	4,851.7	71.17	69.174	
17,500.0	13,736.0	12,608.8	8,822.0	77.5	68.9	-3.64	-3,594.7	297.0	4,922.9	4,850.4	72.53	67.874	
17,600.0	13,736.0	12,708.8	8,822.0	78.8	70.3	-3.64	-3,694.7	297.6	4,922.9	4,849.0	73.90	66.615	
17,700.0	13,736.0	12,808.8	8,822.0	80.1	71.8	-3.64	-3,794.7	298.2	4,922.9	4,847.6	75.28	65.395	
17,800.0	13,736.0	12,908.8	8,822.0	81.4	73.3	-3.64	-3,894.7	298.8	4,922.9	4,846.2	76.67	64.213	
17,900.0	13,736.0	13,008.8	8,822.0	82.8	74.8	-3.64	-3,994.7	299.4	4,922.9	4,844.8	78.06	63.067	
18,000.0	13,736.0	13,108.8	8,822.0	84.1	76.3	-3.64	-4,094.7	300.1	4,922.9	4,843.4	79.46	61.957	
18,100.0	13,736.0	13,208.8	8,822.0	85.5	77.8	-3.64	-4,194.7	300.7	4,922.9	4,842.0	80.86	60.880	
18,200.0	13,736.0	13,308.8	8,822.0	86.8	79.3	-3.64	-4,294.7	301.3	4,922.9	4,840.6	82.27	59.835	
18,300.0	13,736.0	13,408.8	8,822.0	88.2	80.8	-3.64	-4,394.7	301.9	4,922.9	4,839.2	83.69	58.822	
18,400.0	13,736.0	13,508.8	8,822.0	89.6	82.3	-3.64	-4,494.7	302.6	4,922.9	4,837.8	85.11	57.839	
18,500.0	13,736.0	13,608.8	8,822.0	91.0	83.9	-3.64	-4,594.7	303.2	4,922.9	4,836.4	86.54	56.885	
18,600.0	13,736.0	13,708.8	8,822.0	92.4	85.4	-3.64	-4,694.7	303.8	4,922.9	4,834.9	87.97	55.959	
18,700.0	13,736.0	13,808.8	8,822.0	93.8	86.9	-3.64	-4,794.7	304.4	4,922.9	4,833.5	89.41	55.059	
18,800.0	13,736.0	13,908.8	8,822.0	95.2	88.4	-3.64	-4,894.7	305.0	4,922.9	4,832.1	90.85	54.185	
18,900.0	13,736.0	14,008.8	8,822.0	96.6	90.0	-3.64	-4,994.7	305.7	4,922.9	4,830.6	92.30	53.336	
19,000.0	13,736.0	14,108.8	8,822.0	98.0	91.5	-3.64	-5,094.7	306.3	4,922.9	4,829.2	93.75	52.511	
19,100.0	13,736.0	14,208.8	8,822.0	99.5	93.1	-3.64	-5,194.7	306.9	4,922.9	4,827.7	95.20	51.709	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #108H - Wellbore #1 - BLM Plan #2

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	13,736.0	14,308.8	8,822.0	100.9	94.6	-3.64	-5,294.7	307.5	4,922.9	4,826.2	96.66	50.929	
19,300.0	13,736.0	14,408.8	8,822.0	102.4	96.2	-3.64	-5,394.6	308.2	4,922.9	4,824.8	98.12	50.171	
19,400.0	13,736.0	14,508.8	8,822.0	103.8	97.7	-3.64	-5,494.6	308.8	4,922.9	4,823.3	99.59	49.433	
19,500.0	13,736.0	14,608.8	8,822.0	105.3	99.3	-3.64	-5,594.6	309.4	4,922.9	4,821.8	101.06	48.715	
19,600.0	13,736.0	14,708.8	8,822.0	106.7	100.9	-3.64	-5,694.6	310.0	4,922.9	4,820.4	102.53	48.015	
19,700.0	13,736.0	14,808.8	8,822.0	108.2	102.4	-3.64	-5,794.6	310.6	4,922.9	4,818.9	104.00	47.335	
19,800.0	13,736.0	14,908.8	8,822.0	109.7	104.0	-3.63	-5,894.6	311.3	4,922.9	4,817.4	105.48	46.672	
19,900.0	13,736.0	15,008.8	8,822.0	111.2	105.6	-3.63	-5,994.6	311.9	4,922.9	4,815.9	106.96	46.026	
20,000.0	13,736.0	15,108.8	8,822.0	112.7	107.1	-3.63	-6,094.6	312.5	4,922.9	4,814.5	108.44	45.396	
20,100.0	13,736.0	15,208.8	8,822.0	114.2	108.7	-3.63	-6,194.6	313.1	4,922.9	4,813.0	109.93	44.783	
20,200.0	13,736.0	15,308.8	8,822.0	115.7	110.3	-3.63	-6,294.6	313.8	4,922.9	4,811.5	111.42	44.185	
20,300.0	13,736.0	15,408.8	8,822.0	117.2	111.9	-3.63	-6,394.6	314.4	4,922.9	4,810.0	112.91	43.601	
20,400.0	13,736.0	15,508.8	8,822.0	118.7	113.5	-3.63	-6,494.6	315.0	4,922.9	4,808.5	114.40	43.032	
20,500.0	13,736.0	15,608.8	8,822.0	120.2	115.0	-3.63	-6,594.6	315.6	4,922.9	4,807.0	115.89	42.477	
20,600.0	13,736.0	15,708.8	8,822.0	121.7	116.6	-3.63	-6,694.6	316.2	4,922.9	4,805.5	117.39	41.936	
20,700.0	13,736.0	15,808.8	8,822.0	123.2	118.2	-3.63	-6,794.6	316.9	4,922.9	4,804.0	118.89	41.407	
20,800.0	13,736.0	15,908.8	8,822.0	124.7	119.8	-3.63	-6,894.6	317.5	4,922.9	4,802.5	120.39	40.890	
20,900.0	13,736.0	16,008.8	8,822.0	126.2	121.4	-3.63	-6,994.6	318.1	4,922.9	4,801.0	121.90	40.386	
21,000.0	13,736.0	16,108.8	8,822.0	127.8	123.0	-3.63	-7,094.6	318.7	4,922.9	4,799.5	123.40	39.893	
21,100.0	13,736.0	16,208.8	8,822.0	129.3	124.6	-3.63	-7,194.6	319.4	4,922.9	4,798.0	124.91	39.412	
21,200.0	13,736.0	16,308.8	8,822.0	130.8	126.2	-3.63	-7,294.6	320.0	4,922.9	4,796.5	126.42	38.942	
21,300.0	13,736.0	16,408.8	8,822.0	132.4	127.8	-3.63	-7,394.6	320.6	4,922.9	4,795.0	127.93	38.482	
21,400.0	13,736.0	16,508.8	8,822.0	133.9	129.4	-3.63	-7,494.6	321.2	4,922.9	4,793.5	129.44	38.032	
21,500.0	13,736.0	16,608.8	8,822.0	135.4	131.0	-3.63	-7,594.6	321.8	4,922.9	4,791.9	130.95	37.593	
21,600.0	13,736.0	16,708.8	8,822.0	137.0	132.6	-3.63	-7,694.6	322.5	4,922.9	4,790.4	132.47	37.163	
21,700.0	13,736.0	16,808.8	8,822.0	138.5	134.2	-3.63	-7,794.6	323.1	4,922.9	4,788.9	133.98	36.742	
21,800.0	13,736.0	16,908.8	8,822.0	140.1	135.8	-3.63	-7,894.6	323.7	4,922.9	4,787.4	135.50	36.331	
21,900.0	13,736.0	17,008.8	8,822.0	141.6	137.4	-3.63	-7,994.6	324.3	4,922.9	4,785.9	137.02	35.928	
22,000.0	13,736.0	17,108.8	8,822.0	143.2	139.0	-3.63	-8,094.6	324.9	4,922.9	4,784.4	138.54	35.533	
22,100.0	13,736.0	17,208.8	8,822.0	144.7	140.6	-3.63	-8,194.6	325.6	4,922.9	4,782.8	140.06	35.147	
22,200.0	13,736.0	17,308.8	8,822.0	146.3	142.2	-3.63	-8,294.6	326.2	4,922.9	4,781.3	141.59	34.769	
22,300.0	13,736.0	17,408.8	8,822.0	147.8	143.8	-3.63	-8,394.6	326.8	4,922.9	4,779.8	143.11	34.399	
22,400.0	13,736.0	17,508.8	8,822.0	149.4	145.4	-3.63	-8,494.6	327.4	4,922.9	4,778.3	144.64	34.036	
22,500.0	13,736.0	17,608.8	8,822.0	151.0	147.0	-3.63	-8,594.6	328.1	4,922.9	4,776.7	146.16	33.680	
22,600.0	13,736.0	17,708.8	8,822.0	152.5	148.6	-3.63	-8,694.6	328.7	4,922.9	4,775.2	147.69	33.332	
22,700.0	13,736.0	17,808.8	8,822.0	154.1	150.2	-3.63	-8,794.6	329.3	4,922.9	4,773.7	149.22	32.991	
22,800.0	13,736.0	17,908.8	8,822.0	155.7	151.8	-3.63	-8,894.6	329.9	4,922.9	4,772.1	150.75	32.656	
22,900.0	13,736.0	18,008.8	8,822.0	157.2	153.5	-3.63	-8,994.6	330.5	4,922.9	4,770.6	152.28	32.327	
23,000.0	13,736.0	18,108.8	8,822.0	158.8	155.1	-3.63	-9,094.6	331.2	4,922.9	4,769.1	153.81	32.005	
23,100.0	13,736.0	18,208.8	8,822.0	160.4	156.7	-3.63	-9,194.6	331.8	4,922.9	4,767.6	155.35	31.690	
23,200.0	13,736.0	18,308.8	8,822.0	162.0	158.3	-3.63	-9,294.6	332.4	4,922.9	4,766.0	156.88	31.380	
23,300.0	13,736.0	18,408.8	8,822.0	163.5	159.9	-3.63	-9,394.6	333.0	4,922.9	4,764.5	158.42	31.076	
23,400.0	13,736.0	18,508.8	8,822.0	165.1	161.5	-3.63	-9,494.6	333.7	4,922.9	4,762.9	159.95	30.777	
23,500.0	13,736.0	18,608.8	8,822.0	166.7	163.1	-3.63	-9,594.6	334.3	4,922.9	4,761.4	161.49	30.485	
23,600.0	13,736.0	18,708.8	8,822.0	168.3	164.8	-3.63	-9,694.6	334.9	4,922.9	4,759.9	163.03	30.197	
23,700.0	13,736.0	18,808.8	8,822.0	169.8	166.4	-3.63	-9,794.6	335.5	4,922.9	4,758.3	164.56	29.915	
23,800.0	13,736.0	18,908.8	8,822.0	171.4	168.0	-3.63	-9,894.6	336.1	4,922.9	4,756.8	166.10	29.638	
23,900.0	13,736.0	19,008.8	8,822.0	173.0	169.6	-3.63	-9,994.6	336.8	4,922.9	4,755.3	167.64	29.366	
24,000.0	13,736.0	19,091.2	8,822.0	174.6	170.9	-3.63	-10,094.6	337.4	4,922.9	4,753.9	169.04	29.122	
24,037.2	13,736.0	19,128.4	8,822.0	175.2	171.6	-3.63	-10,131.8	337.6	4,922.9	4,753.3	169.62	29.023	
24,037.7	13,736.0	19,128.9	8,822.0	175.2	171.6	-3.63	-10,132.2	337.6	4,922.9	4,753.3	169.62	29.023	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	-1.0	0.0	0.0	-71.98	29.4	-90.2	94.9				
100.0	100.0	101.0	99.0	0.1	0.1	-71.98	29.4	-90.2	94.9	94.6	0.26	365.101	
200.0	200.0	201.0	199.0	0.5	0.5	-71.98	29.4	-90.2	94.9	93.9	0.98	97.137	
300.0	300.0	301.0	299.0	0.8	0.8	-71.98	29.4	-90.2	94.9	93.2	1.69	56.021	
400.0	400.0	401.0	399.0	1.2	1.2	-71.98	29.4	-90.2	94.9	92.5	2.41	39.360	
500.0	500.0	499.0	499.0	1.6	1.6	-71.98	29.4	-90.2	94.9	91.8	3.12	30.408	CC
600.0	600.0	598.2	598.2	1.9	1.9	-71.53	30.2	-90.4	95.3	91.5	3.83	24.850	ES
700.0	700.0	697.4	697.3	2.3	2.3	-70.20	32.7	-90.8	96.6	92.0	4.55	21.227	
800.0	800.0	796.4	796.3	2.6	2.6	-68.06	36.9	-91.6	98.8	93.5	5.26	18.768	
900.0	900.0	895.3	895.0	3.0	3.0	-65.22	42.8	-92.6	102.1	96.1	5.98	17.083	
1,000.0	1,000.0	993.9	993.3	3.4	3.3	-61.85	50.3	-94.0	106.8	100.1	6.69	15.951	
1,100.0	1,100.0	1,092.2	1,091.2	3.7	3.7	-58.14	59.4	-95.6	112.9	105.5	7.41	15.239	
1,200.0	1,200.0	1,190.2	1,188.5	4.1	4.1	-54.26	70.2	-97.6	120.7	112.6	8.12	14.861	
1,300.0	1,300.0	1,287.8	1,285.3	4.4	4.4	-50.40	82.6	-99.8	130.2	121.4	8.83	14.751	
1,400.0	1,400.0	1,386.6	1,383.2	4.8	4.8	-46.77	96.1	-102.2	141.2	131.6	9.55	14.790	
1,500.0	1,500.0	1,485.6	1,481.2	5.1	5.2	-43.66	109.7	-104.7	152.6	142.4	10.27	14.869	
1,600.0	1,600.0	1,584.7	1,579.3	5.5	5.6	-41.00	123.2	-107.1	164.4	153.5	10.98	14.973	
1,700.0	1,700.0	1,683.7	1,677.4	5.9	6.0	-38.69	136.8	-109.5	176.6	164.9	11.70	15.090	
1,800.0	1,800.0	1,782.7	1,775.4	6.2	6.4	-36.68	150.4	-112.0	188.9	176.5	12.42	15.213	
1,900.0	1,900.0	1,881.8	1,873.6	6.6	6.8	-48.01	163.9	-114.4	200.9	187.8	13.14	15.294	
2,000.0	2,000.0	1,981.2	1,971.9	6.9	7.2	-46.87	177.5	-116.9	211.9	198.0	13.86	15.288	
2,100.0	2,099.9	2,080.7	2,070.5	7.3	7.6	-46.17	191.2	-119.3	221.7	207.1	14.58	15.201	
2,200.0	2,199.7	2,180.3	2,169.1	7.7	8.0	-45.85	204.8	-121.8	230.3	215.0	15.31	15.041	
2,300.0	2,299.4	2,280.0	2,267.9	8.0	8.4	-45.86	218.5	-124.2	237.7	221.7	16.04	14.817	
2,400.0	2,398.9	2,379.8	2,366.7	8.4	8.8	-46.16	232.1	-126.7	243.9	227.1	16.78	14.537	
2,500.0	2,498.3	2,479.6	2,465.6	8.7	9.3	-46.75	245.8	-129.1	248.9	231.4	17.52	14.208	
2,600.0	2,597.4	2,579.5	2,564.4	9.1	9.7	-47.61	259.5	-131.6	252.8	234.5	18.26	13.839	
2,700.0	2,696.4	2,679.3	2,663.3	9.5	10.1	-48.62	273.2	-134.0	256.1	237.1	19.02	13.466	
2,800.0	2,795.5	2,779.2	2,762.2	9.9	10.5	-49.60	286.8	-136.5	259.5	239.7	19.77	13.124	
2,900.0	2,894.5	2,879.0	2,861.1	10.2	10.9	-50.56	300.5	-139.0	263.0	242.5	20.54	12.807	
3,000.0	2,993.5	2,978.9	2,959.9	10.6	11.3	-51.49	314.2	-141.4	266.6	245.3	21.30	12.515	
3,100.0	3,092.5	3,078.7	3,058.8	11.0	11.7	-52.40	327.9	-143.9	270.2	248.1	22.07	12.244	
3,200.0	3,191.6	3,178.7	3,157.8	11.4	12.1	-53.29	341.6	-146.3	273.9	251.1	22.84	11.991	
3,300.0	3,290.6	3,285.2	3,263.4	11.8	12.6	-54.37	354.6	-148.7	276.4	252.7	23.67	11.679	
3,400.0	3,389.6	3,391.5	3,369.3	12.2	13.0	-55.76	364.8	-150.5	276.7	252.2	24.48	11.302	
3,500.0	3,488.6	3,497.5	3,475.1	12.6	13.4	-57.49	372.0	-151.8	274.8	249.5	25.28	10.870	
3,600.0	3,587.7	3,603.2	3,580.6	13.0	13.7	-59.59	376.3	-152.6	270.9	244.8	26.06	10.393	
3,700.0	3,686.7	3,708.2	3,685.6	13.4	14.1	-62.14	377.8	-152.8	265.1	238.3	26.84	9.880	
3,800.0	3,785.7	3,807.3	3,784.7	13.8	14.4	-64.84	377.8	-152.8	258.9	231.3	27.62	9.374	
3,900.0	3,884.8	3,906.3	3,883.8	14.1	14.7	-67.67	377.8	-152.8	253.2	224.8	28.40	8.916	
4,000.0	3,983.8	4,005.4	3,982.8	14.5	15.1	-70.61	377.8	-152.8	248.2	219.0	29.19	8.504	
4,100.0	4,082.8	4,104.4	4,081.8	14.9	15.4	-73.67	377.8	-152.8	243.9	213.9	29.98	8.137	
4,200.0	4,181.8	4,203.4	4,180.8	15.3	15.7	-76.83	377.8	-152.8	240.3	209.6	30.77	7.811	
4,300.0	4,280.9	4,302.4	4,279.9	15.8	16.1	-80.07	377.8	-152.8	237.5	206.0	31.56	7.527	
4,400.0	4,379.9	4,401.5	4,378.9	16.2	16.4	-83.37	377.8	-152.8	235.5	203.2	32.34	7.281	
4,500.0	4,478.9	4,500.5	4,477.9	16.6	16.7	-86.72	377.8	-152.8	234.3	201.2	33.13	7.073	
4,597.2	4,575.2	4,603.2	4,574.2	16.9	17.1	-90.00	377.8	-152.8	233.9	200.0	33.90	6.900	
4,600.0	4,577.9	4,600.5	4,576.9	17.0	17.1	-90.09	377.8	-152.8	233.9	200.0	33.90	6.899	
4,700.0	4,677.0	4,701.4	4,676.0	17.4	17.4	-93.47	377.8	-152.8	234.3	199.7	34.68	6.758	
4,732.6	4,709.2	4,730.8	4,708.2	17.5	17.5	-94.56	377.8	-152.8	234.7	199.7	34.92	6.721	
4,800.0	4,776.1	4,802.3	4,775.1	17.8	17.8	-96.69	377.8	-152.8	235.5	200.1	35.44	6.646	
4,900.0	4,875.5	4,902.9	4,874.5	18.2	18.1	-99.30	377.8	-152.8	237.1	200.9	36.18	6.552	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,975.1	5,003.3	4,974.1	18.5	18.4	-101.28	377.8	-152.8	238.5	201.6	36.90	6.464	
5,100.0	5,075.0	5,103.4	5,074.0	18.9	18.8	-102.62	377.8	-152.8	239.7	202.1	37.61	6.374	
5,200.0	5,174.9	5,203.5	5,173.9	19.3	19.1	-103.33	377.8	-152.8	240.4	202.1	38.30	6.276	
5,265.9	5,240.8	5,262.4	5,239.8	19.5	19.3	-90.47	377.8	-152.8	240.5	201.8	38.73	6.210	
5,300.0	5,274.9	5,303.5	5,273.9	19.6	19.5	-90.47	377.8	-152.8	240.5	201.5	38.99	6.169	
5,400.0	5,374.9	5,403.5	5,373.9	19.9	19.8	-90.47	377.8	-152.8	240.5	200.8	39.67	6.063	
5,500.0	5,474.9	5,503.5	5,473.9	20.3	20.1	-90.47	377.8	-152.8	240.5	200.2	40.35	5.960	
5,600.0	5,574.9	5,603.5	5,573.9	20.6	20.5	-90.47	377.8	-152.8	240.5	199.5	41.04	5.861	
5,700.0	5,674.9	5,703.5	5,673.9	21.0	20.8	-90.47	377.8	-152.8	240.5	198.8	41.73	5.764	
5,800.0	5,774.9	5,803.5	5,773.9	21.3	21.2	-90.47	377.8	-152.8	240.5	198.1	42.41	5.671	
5,900.0	5,874.9	5,903.5	5,873.9	21.6	21.5	-90.47	377.8	-152.8	240.5	197.4	43.10	5.580	
6,000.0	5,974.9	6,003.5	5,973.9	22.0	21.9	-90.47	377.8	-152.8	240.5	196.7	43.79	5.492	
6,100.0	6,074.9	6,103.5	6,073.9	22.3	22.2	-90.47	377.8	-152.8	240.5	196.0	44.48	5.407	
6,200.0	6,174.9	6,203.5	6,173.9	22.7	22.6	-90.47	377.8	-152.8	240.5	195.3	45.17	5.324	
6,300.0	6,274.9	6,303.5	6,273.9	23.0	22.9	-90.47	377.8	-152.8	240.5	194.7	45.86	5.244	
6,400.0	6,374.9	6,403.5	6,373.9	23.4	23.3	-90.47	377.8	-152.8	240.5	194.0	46.56	5.166	
6,500.0	6,474.9	6,503.5	6,473.9	23.7	23.6	-90.47	377.8	-152.8	240.5	193.3	47.25	5.090	
6,600.0	6,574.9	6,603.5	6,573.9	24.1	24.0	-90.47	377.8	-152.8	240.5	192.6	47.94	5.017	
6,700.0	6,674.9	6,703.5	6,673.9	24.4	24.3	-90.47	377.8	-152.8	240.5	191.9	48.64	4.945	
6,800.0	6,774.9	6,803.5	6,773.9	24.7	24.6	-90.47	377.8	-152.8	240.5	191.2	49.33	4.875	
6,900.0	6,874.9	6,903.5	6,873.9	25.1	25.0	-90.47	377.8	-152.8	240.5	190.5	50.03	4.807	
7,000.0	6,974.9	7,003.5	6,973.9	25.4	25.3	-90.47	377.8	-152.8	240.5	189.8	50.73	4.741	
7,100.0	7,074.9	7,103.5	7,073.9	25.8	25.7	-90.47	377.8	-152.8	240.5	189.1	51.42	4.677	
7,200.0	7,174.9	7,203.5	7,173.9	26.1	26.0	-90.47	377.8	-152.8	240.5	188.4	52.12	4.614	
7,300.0	7,274.9	7,303.5	7,273.9	26.5	26.4	-90.47	377.8	-152.8	240.5	187.7	52.82	4.553	
7,400.0	7,374.9	7,403.5	7,373.9	26.8	26.7	-90.47	377.8	-152.8	240.5	187.0	53.52	4.494	
7,500.0	7,474.9	7,503.5	7,473.9	27.2	27.1	-90.47	377.8	-152.8	240.5	186.3	54.22	4.436	
7,600.0	7,574.9	7,603.5	7,573.9	27.5	27.4	-90.47	377.8	-152.8	240.5	185.6	54.92	4.380	
7,700.0	7,674.9	7,703.5	7,673.9	27.9	27.8	-90.47	377.8	-152.8	240.5	184.9	55.62	4.324	
7,800.0	7,774.9	7,803.5	7,773.9	28.2	28.1	-90.47	377.8	-152.8	240.5	184.2	56.32	4.271	
7,900.0	7,874.9	7,903.5	7,873.9	28.6	28.5	-90.47	377.8	-152.8	240.5	183.5	57.02	4.218	
8,000.0	7,974.9	8,003.5	7,973.9	28.9	28.8	-90.47	377.8	-152.8	240.5	182.8	57.72	4.167	
8,100.0	8,074.9	8,103.5	8,073.9	29.3	29.2	-90.47	377.8	-152.8	240.5	182.1	58.42	4.117	
8,200.0	8,174.9	8,203.5	8,173.9	29.6	29.6	-90.47	377.8	-152.8	240.5	181.4	59.12	4.068	
8,300.0	8,274.9	8,303.5	8,273.9	30.0	29.9	-90.47	377.8	-152.8	240.5	180.7	59.83	4.020	
8,400.0	8,374.9	8,403.5	8,373.9	30.3	30.3	-90.47	377.8	-152.8	240.5	180.0	60.53	3.974	
8,500.0	8,474.9	8,503.5	8,473.9	30.7	30.6	-90.47	377.8	-152.8	240.5	179.3	61.23	3.928	
8,600.0	8,574.9	8,603.5	8,573.9	31.0	31.0	-90.47	377.8	-152.8	240.5	178.6	61.94	3.883	
8,700.0	8,674.9	8,703.5	8,673.9	31.4	31.3	-90.47	377.8	-152.8	240.5	177.9	62.64	3.840	
8,800.0	8,774.9	8,796.5	8,773.9	31.7	31.6	-90.47	377.8	-152.8	240.5	177.2	63.32	3.798	
8,900.0	8,874.9	8,886.4	8,863.4	32.1	31.9	-92.15	370.6	-154.5	242.6	178.7	63.88	3.798	SF
9,000.0	8,974.9	8,972.2	8,946.8	32.4	32.1	-96.59	351.2	-159.1	249.9	185.8	64.12	3.898	
9,100.0	9,074.9	9,050.5	9,019.5	32.8	32.3	-102.60	323.1	-165.8	265.4	201.7	63.66	4.169	
9,200.0	9,174.9	9,119.8	9,080.0	33.1	32.4	-108.89	290.4	-173.6	291.6	229.5	62.11	4.696	
9,300.0	9,274.9	9,179.8	9,128.9	33.5	32.6	-114.60	256.4	-181.6	329.8	270.3	59.53	5.540	
9,400.0	9,374.9	9,231.3	9,167.7	33.8	32.6	-119.41	223.5	-189.5	379.1	322.8	56.33	6.731	
9,500.0	9,474.9	9,275.3	9,198.3	34.2	32.7	-123.32	192.8	-196.7	438.0	385.0	52.99	8.265	
9,600.0	9,574.9	9,312.9	9,222.4	34.5	32.8	-126.44	164.8	-203.4	504.4	454.6	49.82	10.124	
9,700.0	9,674.9	9,350.0	9,244.4	34.9	32.8	-129.32	135.7	-210.3	576.9	529.6	47.29	12.198	
9,800.0	9,774.9	9,372.8	9,257.0	35.3	32.8	-130.97	117.2	-214.7	653.9	609.4	44.50	14.694	
9,900.0	9,874.9	9,400.0	9,270.9	35.6	32.9	-132.83	94.5	-220.1	734.7	692.1	42.55	17.267	
10,000.0	9,974.9	9,417.8	9,279.4	36.0	32.9	-133.98	79.2	-223.7	818.3	777.7	40.58	20.165	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 — **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	10,074.9	9,436.2	9,287.7	36.3	33.0	-135.12	63.3	-227.5	904.2	865.2	39.06	23.149	
10,200.0	10,174.9	9,450.0	9,293.5	36.7	33.0	-135.94	51.1	-230.4	992.1	954.4	37.69	26.324	
10,300.0	10,274.9	9,466.9	9,300.3	37.0	33.0	-136.90	36.1	-233.9	1,081.4	1,044.7	36.72	29.453	
10,400.0	10,374.9	9,479.8	9,305.2	37.4	33.0	-137.61	24.4	-236.7	1,172.0	1,136.2	35.83	32.714	
10,500.0	10,474.9	9,500.0	9,312.2	37.7	33.1	-138.66	6.0	-241.1	1,263.8	1,228.5	35.35	35.749	
10,600.0	10,574.9	9,500.0	9,312.2	38.1	33.1	-138.66	6.0	-241.1	1,356.3	1,321.9	34.43	39.390	
10,700.0	10,674.9	9,500.0	9,312.2	38.4	33.1	-138.66	6.0	-241.1	1,449.8	1,416.1	33.70	43.019	
10,800.0	10,774.9	9,519.8	9,318.5	38.8	33.1	-139.65	-12.3	-245.4	1,543.6	1,510.1	33.59	45.960	
10,900.0	10,874.9	9,527.6	9,320.8	39.1	33.1	-140.02	-19.5	-247.1	1,638.2	1,604.9	33.27	49.240	
11,000.0	10,974.9	9,550.0	9,326.8	39.5	33.2	-141.04	-40.5	-252.1	1,733.5	1,700.2	33.33	52.003	
11,100.0	11,074.9	9,550.0	9,326.8	39.8	33.2	-141.04	-40.5	-252.1	1,828.8	1,795.8	33.00	55.410	
11,200.0	11,174.9	9,550.0	9,326.8	40.2	33.2	-141.04	-40.5	-252.1	1,924.5	1,891.8	32.76	58.750	
11,300.0	11,274.9	9,550.0	9,326.8	40.6	33.2	-141.04	-40.5	-252.1	2,020.7	1,988.1	32.58	62.017	
11,400.0	11,374.9	9,550.0	9,326.8	40.9	33.2	-141.04	-40.5	-252.1	2,117.2	2,084.8	32.47	65.207	
11,500.0	11,474.9	9,550.0	9,326.8	41.3	33.2	-141.04	-40.5	-252.1	2,214.1	2,181.7	32.41	68.318	
11,600.0	11,574.9	9,550.0	9,326.8	41.6	33.2	-141.04	-40.5	-252.1	2,311.2	2,278.8	32.39	71.349	
11,700.0	11,674.9	9,572.0	9,331.9	42.0	33.2	-141.99	-61.4	-257.1	2,408.0	2,375.3	32.69	73.652	
11,800.0	11,774.9	9,576.0	9,332.7	42.3	33.2	-142.16	-65.1	-258.0	2,505.3	2,472.6	32.78	76.420	
11,900.0	11,874.9	9,579.7	9,333.5	42.7	33.2	-142.31	-68.7	-258.8	2,602.9	2,570.0	32.90	79.122	
12,000.0	11,974.9	9,600.0	9,337.2	43.0	33.3	-143.11	-88.1	-263.4	2,700.8	2,667.6	33.22	81.311	
12,100.0	12,074.9	9,600.0	9,337.2	43.4	33.3	-143.11	-88.1	-263.4	2,798.6	2,765.2	33.33	83.974	
12,200.0	12,174.9	9,600.0	9,337.2	43.7	33.3	-143.11	-88.1	-263.4	2,896.4	2,863.0	33.46	86.562	
12,300.0	12,274.9	9,600.0	9,337.2	44.1	33.3	-143.11	-88.1	-263.4	2,994.4	2,960.8	33.62	89.078	
12,400.0	12,374.9	9,600.0	9,337.2	44.5	33.3	-143.11	-88.1	-263.4	3,092.6	3,058.8	33.79	91.522	
12,500.0	12,474.9	9,600.0	9,337.2	44.8	33.3	-143.11	-88.1	-263.4	3,190.8	3,156.8	33.98	93.896	
12,600.0	12,574.9	9,600.0	9,337.2	45.2	33.3	-143.11	-88.1	-263.4	3,289.2	3,255.0	34.19	96.203	
12,700.0	12,674.9	9,600.0	9,337.2	45.5	33.3	-143.11	-88.1	-263.4	3,387.6	3,353.2	34.41	98.444	
12,800.0	12,774.9	9,600.0	9,337.2	45.9	33.3	-143.11	-88.1	-263.4	3,486.2	3,451.5	34.65	100.620	
12,900.0	12,874.9	9,600.0	9,337.2	46.2	33.3	-143.11	-88.1	-263.4	3,584.8	3,549.9	34.89	102.734	
13,000.0	12,974.9	9,600.0	9,337.2	46.6	33.3	-143.11	-88.1	-263.4	3,683.5	3,648.3	35.15	104.787	
13,100.0	13,074.9	9,600.0	9,337.2	46.9	33.3	-143.11	-88.1	-263.4	3,782.2	3,746.8	35.42	106.780	
13,188.1	13,163.0	9,600.0	9,337.2	47.2	33.3	-143.11	-88.1	-263.4	3,869.3	3,833.6	35.67	108.489	
13,200.0	13,174.9	9,600.0	9,337.2	47.3	33.3	24.81	-88.1	-263.4	3,881.1	3,845.4	35.70	108.719	
13,250.0	13,224.8	9,600.0	9,337.2	47.4	33.3	16.51	-88.1	-263.4	3,930.0	3,894.1	35.83	109.697	
13,300.0	13,274.2	9,600.0	9,337.2	47.6	33.3	12.33	-88.1	-263.4	3,977.9	3,941.9	35.94	110.692	
13,350.0	13,322.8	9,600.0	9,337.2	47.7	33.3	9.86	-88.1	-263.4	4,024.5	3,988.4	36.03	111.691	
13,400.0	13,370.1	9,600.0	9,337.2	47.8	33.3	8.24	-88.1	-263.4	4,069.4	4,033.3	36.11	112.685	
13,450.0	13,415.9	9,624.4	9,340.7	48.0	33.4	7.09	-111.6	-269.0	4,111.9	4,075.6	36.32	113.216	
13,500.0	13,459.7	9,627.9	9,341.1	48.1	33.4	6.27	-115.0	-269.8	4,152.6	4,116.2	36.39	114.117	
13,550.0	13,501.3	9,650.0	9,343.2	48.2	33.4	5.65	-136.4	-274.9	4,191.2	4,154.7	36.55	114.682	
13,600.0	13,540.3	9,650.0	9,343.2	48.3	33.4	5.18	-136.4	-274.9	4,226.7	4,190.1	36.57	115.569	
13,650.0	13,576.5	9,650.0	9,343.2	48.3	33.4	4.80	-136.4	-274.9	4,259.3	4,222.7	36.59	116.394	
13,700.0	13,609.5	9,650.0	9,343.2	48.4	33.4	4.51	-136.4	-274.9	4,288.8	4,252.2	36.61	117.141	
13,750.0	13,639.1	9,650.0	9,343.2	48.5	33.4	4.27	-136.4	-274.9	4,315.2	4,278.5	36.63	117.798	
13,800.0	13,665.0	9,650.0	9,343.2	48.6	33.4	4.08	-136.4	-274.9	4,338.2	4,301.5	36.66	118.350	
13,850.0	13,687.2	9,650.0	9,343.2	48.6	33.4	3.93	-136.4	-274.9	4,357.7	4,321.0	36.69	118.784	
13,900.0	13,705.4	9,650.0	9,343.2	48.7	33.4	3.82	-136.4	-274.9	4,373.7	4,336.9	36.73	119.087	
13,950.0	13,719.4	9,671.9	9,344.5	48.8	33.5	3.75	-157.7	-279.9	4,385.5	4,348.7	36.84	119.029	
14,000.0	13,729.2	9,694.6	9,345.0	48.8	33.5	3.72	-179.7	-285.1	4,394.1	4,357.2	36.97	118.870	
14,050.0	13,734.7	9,694.6	9,345.0	48.9	33.5	3.69	-179.7	-285.1	4,398.5	4,361.4	37.04	118.765	
14,088.1	13,736.0	9,694.6	9,345.0	49.0	33.5	3.69	-179.7	-285.1	4,399.3	4,362.2	37.10	118.577	
14,100.0	13,736.0	9,694.6	9,345.0	49.0	33.5	3.69	-179.7	-285.1	4,399.2	4,362.1	37.12	118.502	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 — **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
14,121.7	13,736.0	9,694.6	9,345.0	49.0	33.5	3.69	-179.7	-285.1	4,399.1	4,361.9	37.17	118.347	
14,200.0	13,736.0	9,752.6	9,345.0	49.2	33.7	3.76	-236.2	-298.0	4,399.5	4,362.1	37.48	117.382	
14,300.0	13,736.0	9,863.5	9,345.0	49.4	34.1	3.88	-345.1	-319.3	4,400.2	4,362.2	38.00	115.787	
14,400.0	13,736.0	9,974.9	9,345.0	49.7	34.6	4.00	-455.2	-336.4	4,400.8	4,362.2	38.60	114.020	
14,500.0	13,736.0	10,086.7	9,345.0	50.0	35.1	4.12	-566.2	-349.3	4,401.4	4,362.2	39.26	112.112	
14,546.0	13,736.0	10,138.3	9,345.0	50.1	35.4	4.17	-617.6	-353.8	4,401.7	4,362.1	39.59	111.188	
14,600.0	13,736.0	10,199.0	9,345.0	50.4	35.7	4.23	-678.2	-357.9	4,402.0	4,362.0	39.98	110.094	
14,700.0	13,736.0	10,311.8	9,345.0	50.8	36.4	4.29	-790.9	-362.1	4,402.3	4,361.6	40.76	108.001	
14,800.0	13,736.0	10,419.7	9,345.0	51.3	37.2	4.30	-898.7	-362.2	4,402.4	4,360.8	41.57	105.912	
14,900.0	13,736.0	10,519.7	9,345.0	51.8	37.9	4.30	-998.7	-361.6	4,402.4	4,360.0	42.39	103.863	
15,000.0	13,736.0	10,619.7	9,345.0	52.4	38.7	4.30	-1,098.7	-361.0	4,402.4	4,359.2	43.25	101.793	
15,100.0	13,736.0	10,719.7	9,345.0	53.0	39.6	4.30	-1,198.7	-360.4	4,402.4	4,358.3	44.15	99.717	
15,200.0	13,736.0	10,819.7	9,345.0	53.6	40.5	4.30	-1,298.7	-359.7	4,402.4	4,357.3	45.09	97.644	
15,300.0	13,736.0	10,919.7	9,345.0	54.3	41.4	4.30	-1,398.7	-359.1	4,402.4	4,356.3	46.06	95.586	
15,400.0	13,736.0	11,019.7	9,345.0	55.1	42.4	4.30	-1,498.7	-358.5	4,402.4	4,355.3	47.06	93.550	
15,500.0	13,736.0	11,119.7	9,345.0	55.9	43.5	4.30	-1,598.7	-357.9	4,402.4	4,354.3	48.09	91.542	
15,600.0	13,736.0	11,219.7	9,345.0	56.7	44.5	4.30	-1,698.7	-357.2	4,402.4	4,353.2	49.15	89.569	
15,700.0	13,736.0	11,319.7	9,345.0	57.6	45.6	4.30	-1,798.7	-356.6	4,402.4	4,352.2	50.24	87.634	
15,800.0	13,736.0	11,419.7	9,345.0	58.4	46.8	4.30	-1,898.7	-356.0	4,402.4	4,351.1	51.35	85.741	
15,900.0	13,736.0	11,519.7	9,345.0	59.4	47.9	4.30	-1,998.7	-355.4	4,402.4	4,349.9	52.48	83.891	
16,000.0	13,736.0	11,619.7	9,345.0	60.3	49.1	4.30	-2,098.7	-354.7	4,402.4	4,348.8	53.63	82.087	
16,100.0	13,736.0	11,719.7	9,345.0	61.3	50.3	4.30	-2,198.7	-354.1	4,402.4	4,347.6	54.80	80.330	
16,200.0	13,736.0	11,819.7	9,345.0	62.3	51.6	4.30	-2,298.7	-353.5	4,402.4	4,346.4	56.00	78.620	
16,300.0	13,736.0	11,919.7	9,345.0	63.4	52.8	4.30	-2,398.7	-352.8	4,402.4	4,345.2	57.21	76.958	
16,400.0	13,736.0	12,019.7	9,345.0	64.4	54.1	4.30	-2,498.7	-352.2	4,402.4	4,344.0	58.43	75.343	
16,500.0	13,736.0	12,119.7	9,345.0	65.5	55.4	4.30	-2,598.7	-351.6	4,402.4	4,342.7	59.67	73.776	
16,600.0	13,736.0	12,219.7	9,345.0	66.6	56.8	4.30	-2,698.7	-351.0	4,402.4	4,341.5	60.93	72.254	
16,700.0	13,736.0	12,319.7	9,345.0	67.8	58.1	4.30	-2,798.7	-350.3	4,402.4	4,340.2	62.20	70.779	
16,800.0	13,736.0	12,419.7	9,345.0	68.9	59.5	4.30	-2,898.7	-349.7	4,402.4	4,338.9	63.48	69.348	
16,900.0	13,736.0	12,519.7	9,345.0	70.1	60.8	4.30	-2,998.7	-349.1	4,402.4	4,337.6	64.78	67.961	
17,000.0	13,736.0	12,619.7	9,345.0	71.3	62.2	4.30	-3,098.7	-348.5	4,402.4	4,336.3	66.09	66.617	
17,100.0	13,736.0	12,719.7	9,345.0	72.5	63.6	4.30	-3,198.7	-347.8	4,402.4	4,335.0	67.40	65.314	
17,200.0	13,736.0	12,819.7	9,345.0	73.7	65.0	4.30	-3,298.7	-347.2	4,402.4	4,333.7	68.73	64.051	
17,300.0	13,736.0	12,919.7	9,345.0	75.0	66.4	4.30	-3,398.7	-346.6	4,402.4	4,332.3	70.07	62.827	
17,400.0	13,736.0	13,019.7	9,345.0	76.2	67.9	4.30	-3,498.7	-346.0	4,402.4	4,331.0	71.42	61.641	
17,500.0	13,736.0	13,119.7	9,345.0	77.5	69.3	4.30	-3,598.7	-345.3	4,402.4	4,329.6	72.78	60.492	
17,600.0	13,736.0	13,219.7	9,345.0	78.8	70.8	4.30	-3,698.7	-344.7	4,402.4	4,328.3	74.14	59.378	
17,700.0	13,736.0	13,319.7	9,345.0	80.1	72.2	4.30	-3,798.7	-344.1	4,402.4	4,326.9	75.52	58.298	
17,800.0	13,736.0	13,419.7	9,345.0	81.4	73.7	4.30	-3,898.7	-343.4	4,402.4	4,325.5	76.90	57.251	
17,900.0	13,736.0	13,519.7	9,345.0	82.8	75.2	4.30	-3,998.7	-342.8	4,402.4	4,324.1	78.28	56.236	
18,000.0	13,736.0	13,619.7	9,345.0	84.1	76.7	4.30	-4,098.7	-342.2	4,402.4	4,322.7	79.68	55.251	
18,100.0	13,736.0	13,719.7	9,345.0	85.5	78.1	4.30	-4,198.7	-341.6	4,402.4	4,321.3	81.08	54.296	
18,200.0	13,736.0	13,819.7	9,345.0	86.8	79.6	4.30	-4,298.7	-340.9	4,402.4	4,319.9	82.49	53.369	
18,300.0	13,736.0	13,919.7	9,345.0	88.2	81.1	4.30	-4,398.7	-340.3	4,402.4	4,318.5	83.90	52.470	
18,400.0	13,736.0	14,019.7	9,345.0	89.6	82.6	4.30	-4,498.7	-339.7	4,402.4	4,317.1	85.32	51.596	
18,500.0	13,736.0	14,119.7	9,345.0	91.0	84.2	4.30	-4,598.7	-339.1	4,402.4	4,315.6	86.75	50.749	
18,600.0	13,736.0	14,219.7	9,345.0	92.4	85.7	4.30	-4,698.7	-338.4	4,402.4	4,314.2	88.18	49.926	
18,700.0	13,736.0	14,319.7	9,345.0	93.8	87.2	4.30	-4,798.7	-337.8	4,402.4	4,312.8	89.61	49.126	
18,800.0	13,736.0	14,419.7	9,345.0	95.2	88.7	4.30	-4,898.7	-337.2	4,402.4	4,311.3	91.05	48.349	
18,900.0	13,736.0	14,519.7	9,345.0	96.6	90.3	4.30	-4,998.7	-336.6	4,402.4	4,309.9	92.50	47.594	
19,000.0	13,736.0	14,619.7	9,345.0	98.0	91.8	4.30	-5,098.7	-335.9	4,402.4	4,308.4	93.95	46.860	
19,100.0	13,736.0	14,719.7	9,345.0	99.5	93.3	4.30	-5,198.7	-335.3	4,402.4	4,307.0	95.40	46.147	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	13,736.0	14,819.7	9,345.0	100.9	94.9	4.30	-5,298.7	-334.7	4,402.4	4,305.5	96.86	45.453	
19,300.0	13,736.0	14,919.7	9,345.0	102.4	96.4	4.30	-5,398.7	-334.0	4,402.4	4,304.1	98.32	44.778	
19,400.0	13,736.0	15,019.7	9,345.0	103.8	98.0	4.30	-5,498.7	-333.4	4,402.4	4,302.6	99.78	44.120	
19,500.0	13,736.0	15,119.7	9,345.0	105.3	99.5	4.30	-5,598.7	-332.8	4,402.4	4,301.1	101.25	43.481	
19,600.0	13,736.0	15,219.7	9,345.0	106.7	101.1	4.30	-5,698.7	-332.2	4,402.4	4,299.7	102.72	42.858	
19,700.0	13,736.0	15,319.7	9,345.0	108.2	102.7	4.30	-5,798.6	-331.5	4,402.4	4,298.2	104.19	42.252	
19,800.0	13,736.0	15,419.7	9,345.0	109.7	104.2	4.30	-5,898.6	-330.9	4,402.4	4,296.7	105.67	41.661	
19,900.0	13,736.0	15,519.7	9,345.0	111.2	105.8	4.30	-5,998.6	-330.3	4,402.4	4,295.2	107.15	41.086	
20,000.0	13,736.0	15,619.7	9,345.0	112.7	107.4	4.30	-6,098.6	-329.7	4,402.4	4,293.8	108.63	40.525	
20,100.0	13,736.0	15,719.7	9,345.0	114.2	108.9	4.30	-6,198.6	-329.0	4,402.4	4,292.3	110.12	39.978	
20,200.0	13,736.0	15,819.7	9,345.0	115.7	110.5	4.30	-6,298.6	-328.4	4,402.4	4,290.8	111.61	39.445	
20,300.0	13,736.0	15,919.7	9,345.0	117.2	112.1	4.30	-6,398.6	-327.8	4,402.4	4,289.3	113.10	38.925	
20,400.0	13,736.0	16,019.7	9,345.0	118.7	113.7	4.30	-6,498.6	-327.2	4,402.4	4,287.8	114.59	38.418	
20,500.0	13,736.0	16,119.7	9,345.0	120.2	115.2	4.30	-6,598.6	-326.5	4,402.4	4,286.3	116.09	37.923	
20,600.0	13,736.0	16,219.7	9,345.0	121.7	116.8	4.30	-6,698.6	-325.9	4,402.4	4,284.8	117.59	37.440	
20,700.0	13,736.0	16,319.7	9,345.0	123.2	118.4	4.30	-6,798.6	-325.3	4,402.4	4,283.3	119.09	36.968	
20,800.0	13,736.0	16,419.7	9,345.0	124.7	120.0	4.30	-6,898.6	-324.6	4,402.4	4,281.8	120.59	36.508	
20,900.0	13,736.0	16,519.7	9,345.0	126.2	121.6	4.30	-6,998.6	-324.0	4,402.4	4,280.3	122.09	36.058	
21,000.0	13,736.0	16,619.7	9,345.0	127.8	123.2	4.30	-7,098.6	-323.4	4,402.4	4,278.8	123.60	35.618	
21,100.0	13,736.0	16,719.7	9,345.0	129.3	124.7	4.30	-7,198.6	-322.8	4,402.4	4,277.3	125.11	35.189	
21,200.0	13,736.0	16,819.7	9,345.0	130.8	126.3	4.30	-7,298.6	-322.1	4,402.4	4,275.8	126.62	34.769	
21,300.0	13,736.0	16,919.7	9,345.0	132.4	127.9	4.30	-7,398.6	-321.5	4,402.4	4,274.3	128.13	34.359	
21,400.0	13,736.0	17,019.7	9,345.0	133.9	129.5	4.30	-7,498.6	-320.9	4,402.4	4,272.7	129.64	33.958	
21,500.0	13,736.0	17,119.7	9,345.0	135.4	131.1	4.30	-7,598.6	-320.3	4,402.4	4,271.2	131.16	33.566	
21,600.0	13,736.0	17,219.7	9,345.0	137.0	132.7	4.30	-7,698.6	-319.6	4,402.4	4,269.7	132.67	33.182	
21,700.0	13,736.0	17,319.7	9,345.0	138.5	134.3	4.30	-7,798.6	-319.0	4,402.4	4,268.2	134.19	32.807	
21,800.0	13,736.0	17,419.7	9,345.0	140.1	135.9	4.30	-7,898.6	-318.4	4,402.4	4,266.7	135.71	32.440	
21,900.0	13,736.0	17,519.7	9,345.0	141.6	137.5	4.30	-7,998.6	-317.8	4,402.4	4,265.2	137.23	32.080	
22,000.0	13,736.0	17,619.7	9,345.0	143.2	139.1	4.30	-8,098.6	-317.1	4,402.4	4,263.6	138.75	31.728	
22,100.0	13,736.0	17,719.7	9,345.0	144.7	140.7	4.30	-8,198.6	-316.5	4,402.4	4,262.1	140.28	31.383	
22,200.0	13,736.0	17,819.7	9,345.0	146.3	142.3	4.30	-8,298.6	-315.9	4,402.4	4,260.6	141.80	31.046	
22,300.0	13,736.0	17,919.7	9,345.0	147.8	143.9	4.30	-8,398.6	-315.2	4,402.4	4,259.1	143.33	30.715	
22,400.0	13,736.0	18,019.7	9,345.0	149.4	145.6	4.30	-8,498.6	-314.6	4,402.4	4,257.5	144.86	30.391	
22,500.0	13,736.0	18,119.7	9,345.0	151.0	147.2	4.30	-8,598.6	-314.0	4,402.4	4,256.0	146.38	30.074	
22,600.0	13,736.0	18,219.7	9,345.0	152.5	148.8	4.30	-8,698.6	-313.4	4,402.4	4,254.5	147.91	29.763	
22,700.0	13,736.0	18,319.7	9,345.0	154.1	150.4	4.30	-8,798.6	-312.7	4,402.4	4,252.9	149.45	29.458	
22,800.0	13,736.0	18,419.7	9,345.0	155.7	152.0	4.30	-8,898.6	-312.1	4,402.4	4,251.4	150.98	29.159	
22,900.0	13,736.0	18,519.7	9,345.0	157.2	153.6	4.30	-8,998.6	-311.5	4,402.4	4,249.9	152.51	28.866	
23,000.0	13,736.0	18,619.7	9,345.0	158.8	155.2	4.30	-9,098.6	-310.9	4,402.4	4,248.3	154.04	28.579	
23,100.0	13,736.0	18,719.7	9,345.0	160.4	156.8	4.30	-9,198.6	-310.2	4,402.4	4,246.8	155.58	28.297	
23,200.0	13,736.0	18,819.7	9,345.0	162.0	158.5	4.30	-9,298.6	-309.6	4,402.4	4,245.3	157.12	28.020	
23,300.0	13,736.0	18,919.7	9,345.0	163.5	160.1	4.30	-9,398.6	-309.0	4,402.4	4,243.7	158.65	27.749	
23,400.0	13,736.0	19,019.7	9,345.0	165.1	161.7	4.30	-9,498.6	-308.4	4,402.4	4,242.2	160.19	27.482	
23,500.0	13,736.0	19,119.7	9,345.0	166.7	163.3	4.30	-9,598.6	-307.7	4,402.4	4,240.7	161.73	27.221	
23,600.0	13,736.0	19,219.7	9,345.0	168.3	164.9	4.30	-9,698.6	-307.1	4,402.4	4,239.1	163.27	26.964	
23,700.0	13,736.0	19,319.7	9,345.0	169.8	166.5	4.30	-9,798.6	-306.5	4,402.4	4,237.6	164.81	26.712	
23,800.0	13,736.0	19,419.7	9,345.0	171.4	168.2	4.30	-9,898.6	-305.8	4,402.4	4,236.0	166.35	26.465	
23,900.0	13,736.0	19,519.7	9,345.0	173.0	169.8	4.30	-9,998.6	-305.2	4,402.4	4,234.5	167.89	26.222	
24,000.0	13,736.0	19,619.7	9,345.0	174.6	171.4	4.30	-10,098.6	-304.6	4,402.4	4,233.0	169.43	25.983	
24,037.2	13,736.0	19,656.9	9,345.0	175.2	172.0	4.30	-10,135.8	-304.4	4,402.4	4,232.4	170.01	25.895	
24,037.7	13,736.0	19,657.3	9,345.0	175.2	172.0	4.30	-10,136.2	-304.4	4,402.4	4,232.4	170.01	25.894	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-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	-76.38	29.1	-120.2	123.7				
100.0	100.0	96.5	96.5	0.1	0.2	-76.25	29.5	-120.7	124.3	124.0	0.29	434.585	
200.0	200.0	194.9	194.9	0.5	0.3	-75.84	30.8	-122.3	126.1	125.3	0.82	153.594	
300.0	300.0	294.0	293.9	0.8	0.7	-75.21	32.9	-124.7	129.0	127.5	1.53	84.055	
400.0	400.0	393.7	393.6	1.2	1.0	-74.60	35.1	-127.5	132.3	130.1	2.25	58.843	
500.0	500.0	493.2	493.0	1.6	1.4	-73.96	37.5	-130.4	135.8	132.8	2.96	45.816	
600.0	600.0	593.3	593.0	1.9	1.8	-73.25	40.2	-133.5	139.5	135.8	3.68	37.910	
700.0	700.0	692.8	692.4	2.3	2.1	-72.45	43.1	-136.5	143.2	138.8	4.40	32.580	
800.0	800.0	793.1	792.6	2.6	2.5	-71.67	46.2	-139.5	147.1	141.9	5.11	28.755	
900.0	900.0	893.9	893.3	3.0	2.9	-70.99	49.0	-142.1	150.4	144.6	5.83	25.781	
1,000.0	1,000.0	993.5	992.9	3.4	3.2	-70.43	51.4	-144.7	153.7	147.1	6.55	23.462	
1,100.0	1,100.0	1,093.6	1,092.9	3.7	3.6	-69.93	53.8	-147.3	157.0	149.7	7.27	21.597	
1,200.0	1,200.0	1,193.6	1,192.9	4.1	3.9	-69.45	56.2	-149.9	160.2	152.2	7.98	20.060	
1,300.0	1,300.0	1,293.8	1,293.0	4.4	4.3	-69.12	58.2	-152.5	163.3	154.6	8.70	18.767	
1,400.0	1,400.0	1,393.6	1,392.7	4.8	4.7	-68.86	60.0	-155.1	166.4	157.0	9.42	17.666	
1,500.0	1,500.0	1,493.7	1,492.8	5.1	5.0	-68.44	62.3	-157.7	169.6	159.5	10.14	16.736	
1,600.0	1,600.0	1,595.6	1,594.6	5.5	5.4	-67.71	65.3	-159.4	172.3	161.4	10.86	15.866	
1,700.0	1,700.0	1,697.3	1,696.2	5.9	5.8	-65.92	70.8	-158.6	173.7	162.1	11.58	15.001	
1,800.0	1,800.0	1,798.0	1,796.6	6.2	6.1	-63.49	77.9	-156.2	174.6	162.3	12.29	14.204	
1,900.0	1,900.0	1,898.4	1,896.7	6.6	6.5	-74.41	84.6	-153.6	175.1	162.1	13.01	13.465	
2,000.0	2,000.0	1,998.8	1,996.9	6.9	6.8	-72.87	91.3	-150.6	175.0	161.3	13.72	12.758	
2,100.0	2,099.9	2,098.9	2,096.7	7.3	7.2	-71.83	97.9	-147.4	174.3	159.9	14.43	12.076	
2,200.0	2,199.7	2,199.4	2,197.0	7.7	7.5	-71.37	104.4	-144.1	172.9	157.8	15.15	11.412	
2,300.0	2,299.4	2,299.9	2,297.1	8.0	7.9	-71.44	110.7	-140.4	170.7	154.8	15.87	10.753	
2,400.0	2,398.9	2,401.8	2,398.8	8.4	8.3	-72.11	116.8	-136.2	167.2	150.6	16.60	10.074	
2,500.0	2,498.3	2,498.5	2,495.2	8.7	8.6	-73.29	122.9	-132.4	163.6	146.3	17.32	9.447	
2,600.0	2,597.4	2,596.4	2,592.8	9.1	9.0	-74.88	130.3	-129.6	161.2	143.1	18.05	8.931	
2,700.0	2,696.4	2,697.4	2,693.4	9.5	9.3	-76.83	138.2	-126.8	158.9	140.1	18.79	8.454	
2,800.0	2,795.5	2,797.2	2,793.0	9.9	9.7	-79.06	145.1	-124.0	156.4	136.8	19.54	8.003	
2,900.0	2,894.5	2,896.1	2,891.6	10.2	10.1	-81.26	152.3	-121.5	154.4	134.2	20.29	7.614	
3,000.0	2,993.5	2,995.9	2,991.0	10.6	10.4	-83.27	160.4	-119.0	153.1	132.0	21.04	7.274	
3,100.0	3,092.5	3,096.2	3,090.9	11.0	10.8	-84.93	169.3	-115.9	151.6	129.8	21.80	6.955	
3,200.0	3,191.6	3,196.4	3,190.6	11.4	11.2	-86.52	178.5	-112.5	150.1	127.5	22.57	6.651	
3,300.0	3,290.6	3,296.0	3,289.8	11.8	11.6	-88.43	186.8	-109.3	148.6	125.3	23.33	6.370	
3,400.0	3,389.6	3,395.3	3,388.6	12.2	11.9	-90.09	196.0	-106.4	147.7	123.6	24.10	6.131	
3,500.0	3,488.6	3,496.0	3,488.8	12.6	12.3	-91.51	205.9	-103.3	147.0	122.1	24.87	5.911	
3,600.0	3,587.7	3,596.2	3,588.6	13.0	12.7	-93.37	214.6	-99.7	145.6	120.0	25.64	5.680	
3,700.0	3,686.7	3,696.1	3,687.9	13.4	13.1	-94.78	224.5	-96.1	144.7	118.3	26.41	5.477	
3,800.0	3,785.7	3,796.6	3,787.7	13.8	13.5	-95.97	235.0	-92.1	143.4	116.2	27.19	5.275	
3,900.0	3,884.8	3,896.4	3,887.1	14.1	13.8	-97.60	244.4	-88.1	142.1	114.1	27.96	5.081	
4,000.0	3,983.8	3,995.8	3,986.0	14.5	14.2	-99.65	252.8	-84.4	141.1	112.4	28.73	4.912	
4,100.0	4,082.8	4,095.5	4,085.3	14.9	14.6	-101.82	261.0	-81.0	140.7	111.2	29.49	4.769	
4,200.0	4,181.8	4,195.7	4,185.0	15.3	15.0	-103.36	270.8	-77.5	140.3	110.0	30.26	4.635	
4,300.0	4,280.9	4,295.7	4,284.3	15.8	15.4	-104.52	281.6	-73.9	139.8	108.8	31.04	4.505	
4,400.0	4,379.9	4,395.5	4,383.6	16.2	15.7	-105.86	291.9	-70.3	139.5	107.7	31.81	4.385	
4,500.0	4,478.9	4,495.3	4,482.8	16.6	16.1	-107.43	301.6	-66.8	139.3	106.7	32.57	4.277	
4,596.5	4,574.5	4,591.8	4,578.8	16.9	16.5	-109.21	310.4	-63.3	139.3	106.0	33.31	4.182	
4,600.0	4,577.9	4,595.3	4,582.3	17.0	16.5	-109.28	310.7	-63.2	139.3	106.0	33.33	4.179	
4,700.0	4,677.0	4,694.8	4,681.4	17.4	16.9	-111.41	319.1	-59.7	139.5	105.4	34.08	4.094	
4,732.6	4,709.2	4,727.0	4,713.5	17.5	17.0	-112.14	321.7	-58.6	139.7	105.4	34.32	4.071	
4,800.0	4,776.1	4,793.7	4,779.9	17.8	17.3	-113.53	326.8	-56.5	140.2	105.4	34.82	4.028	
4,900.0	4,875.5	4,893.4	4,879.3	18.2	17.6	-114.96	333.8	-53.7	140.5	105.0	35.56	3.953	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,975.1	4,992.6	4,978.3	18.5	18.0	-115.63	340.3	-51.2	140.2	103.9	36.29	3.863	
5,100.0	5,075.0	5,092.3	5,077.8	18.9	18.4	-115.57	346.1	-48.8	139.0	102.0	37.02	3.755	
5,200.0	5,174.9	5,191.7	5,177.0	19.3	18.7	-114.84	351.1	-46.6	137.1	99.3	37.75	3.632	
5,265.9	5,240.8	5,257.3	5,242.5	19.5	19.0	-100.91	354.1	-45.3	135.4	97.2	38.22	3.543	
5,300.0	5,274.9	5,291.1	5,276.3	19.6	19.1	-100.34	355.6	-44.6	134.5	96.0	38.47	3.496	
5,400.0	5,374.9	5,390.3	5,375.5	19.9	19.4	-98.60	360.0	-43.2	132.3	93.1	39.20	3.376	
5,500.0	5,474.9	5,490.0	5,475.1	20.3	19.8	-96.89	364.1	-41.9	130.5	90.6	39.92	3.270	
5,600.0	5,574.9	5,589.9	5,574.8	20.6	20.2	-95.41	367.6	-40.8	129.0	88.4	40.64	3.174	
5,700.0	5,674.9	5,689.7	5,674.7	21.0	20.5	-94.07	370.7	-39.5	127.5	86.1	41.36	3.083	
5,800.0	5,774.9	5,789.4	5,774.2	21.3	20.9	-92.79	373.6	-38.5	126.4	84.3	42.07	3.004	
5,900.0	5,874.9	5,889.3	5,874.2	21.6	21.2	-91.54	376.4	-37.6	125.3	82.6	42.79	2.930	
6,000.0	5,974.9	5,989.5	5,974.3	22.0	21.6	-90.38	378.9	-36.7	124.3	80.8	43.50	2.859	
6,100.0	6,074.9	6,089.5	6,074.3	22.3	21.9	-89.32	381.2	-35.5	123.2	79.0	44.20	2.787	
6,200.0	6,174.9	6,189.0	6,173.7	22.7	22.3	-88.53	382.9	-34.6	122.3	77.4	44.91	2.723	
6,300.0	6,274.9	6,288.7	6,273.4	23.0	22.6	-88.08	383.8	-34.0	121.8	76.2	45.60	2.670	
6,400.0	6,374.9	6,388.3	6,373.1	23.4	23.0	-87.81	384.4	-33.7	121.5	75.2	46.29	2.624	
6,427.4	6,402.4	6,415.6	6,400.4	23.5	23.1	-87.74	384.5	-33.7	121.4	75.0	46.48	2.613	
6,500.0	6,474.9	6,488.1	6,472.8	23.7	23.3	-87.67	384.7	-33.7	121.5	74.5	46.98	2.586	
6,600.0	6,574.9	6,587.1	6,571.8	24.1	23.6	-88.01	384.0	-34.2	121.9	74.3	47.63	2.559	
6,700.0	6,674.9	6,687.0	6,671.7	24.4	24.0	-88.75	382.4	-35.2	122.9	74.6	48.29	2.546	
6,800.0	6,774.9	6,787.3	6,772.0	24.7	24.3	-89.42	381.0	-36.1	123.8	74.8	48.95	2.529	
6,900.0	6,874.9	6,887.9	6,872.6	25.1	24.6	-90.02	379.7	-36.6	124.3	74.7	49.62	2.505	
7,000.0	6,974.9	6,987.6	6,972.3	25.4	24.9	-90.71	378.2	-37.0	124.7	74.4	50.27	2.479	
7,100.0	7,074.9	7,087.8	7,072.5	25.8	25.2	-91.40	376.7	-37.4	125.1	74.2	50.94	2.456	
7,200.0	7,174.9	7,188.6	7,173.2	26.1	25.6	-92.07	375.2	-37.4	125.2	73.6	51.61	2.425	
7,300.0	7,274.9	7,289.0	7,273.6	26.5	25.9	-92.77	373.7	-36.9	124.7	72.5	52.28	2.386	
7,400.0	7,374.9	7,388.8	7,373.4	26.8	26.2	-93.22	372.8	-36.4	124.3	71.4	52.95	2.348	
7,500.0	7,474.9	7,489.1	7,473.8	27.2	26.5	-93.49	372.2	-35.9	123.8	70.1	53.62	2.308	
7,600.0	7,574.9	7,589.3	7,573.9	27.5	26.9	-93.86	371.5	-35.1	123.0	68.7	54.30	2.266	
7,700.0	7,674.9	7,689.3	7,673.9	27.9	27.2	-94.14	370.9	-34.1	122.1	67.1	54.98	2.221	
7,800.0	7,774.9	7,789.0	7,773.6	28.2	27.5	-94.35	370.5	-33.5	121.5	65.8	55.67	2.183	
7,900.0	7,874.9	7,889.0	7,873.6	28.6	27.9	-94.55	370.2	-32.9	120.9	64.6	56.35	2.146	
8,000.0	7,974.9	7,989.0	7,973.6	28.9	28.2	-94.98	369.3	-32.2	120.4	63.3	57.03	2.111	
8,100.0	8,074.9	8,089.1	8,073.7	29.3	28.5	-95.54	368.2	-31.6	119.8	62.1	57.71	2.076	
8,200.0	8,174.9	8,188.9	8,173.5	29.6	28.9	-95.86	367.6	-30.9	119.2	60.9	58.39	2.042	
8,259.6	8,234.5	8,247.9	8,232.5	29.8	29.1	-95.93	367.4	-30.7	119.0	60.3	58.79	2.025	CC
8,300.0	8,274.9	8,287.6	8,272.2	30.0	29.2	-95.74	367.8	-30.9	119.2	60.1	59.07	2.017	ES
8,400.0	8,374.9	8,386.6	8,371.1	30.3	29.6	-94.68	369.9	-32.2	120.3	60.5	59.77	2.013	SF
8,500.0	8,474.9	8,485.8	8,470.4	30.7	29.9	-93.66	372.0	-34.1	122.1	61.6	60.46	2.019	
8,600.0	8,574.9	8,585.2	8,569.7	31.0	30.2	-92.66	374.0	-36.6	124.4	63.3	61.16	2.035	
8,700.0	8,674.9	8,685.3	8,669.8	31.4	30.6	-91.71	376.0	-39.3	127.0	65.2	61.88	2.053	
8,800.0	8,774.9	8,786.1	8,770.5	31.7	30.9	-90.96	377.6	-41.5	129.2	66.7	62.60	2.065	
8,900.0	8,874.9	8,886.2	8,870.6	32.1	31.3	-90.46	378.7	-43.4	131.1	67.8	63.30	2.070	
9,000.0	8,974.9	8,985.5	8,969.8	32.4	31.6	-90.34	378.9	-45.4	133.1	69.1	63.98	2.080	
9,100.0	9,074.9	9,085.4	9,069.7	32.8	32.0	-90.68	378.1	-47.7	135.5	70.8	64.67	2.095	
9,200.0	9,174.9	9,185.1	9,169.4	33.1	32.3	-91.19	376.9	-50.2	137.9	72.6	65.34	2.111	
9,300.0	9,274.9	9,284.9	9,269.1	33.5	32.6	-91.80	375.3	-52.8	140.6	74.6	66.02	2.130	
9,400.0	9,374.9	9,384.9	9,369.1	33.8	33.0	-92.36	373.8	-55.4	143.3	76.6	66.71	2.148	
9,500.0	9,474.9	9,485.3	9,469.4	34.2	33.3	-92.52	373.3	-58.1	146.0	78.6	67.40	2.166	
9,600.0	9,574.9	9,592.9	9,575.9	34.5	33.6	-97.86	359.9	-56.4	145.4	77.3	68.07	2.136	
9,642.6	9,617.5	9,634.3	9,615.5	34.7	33.7	-102.64	348.0	-53.7	144.9	76.6	68.28	2.122	
9,700.0	9,674.9	9,686.7	9,663.7	34.9	33.9	-110.66	328.1	-49.2	146.6	78.3	68.33	2.145	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.0	9,774.9	9,776.7	9,744.8	35.3	34.1	-125.03	290.1	-40.2	158.7	91.0	67.70	2.344	
9,900.0	9,874.9	9,839.3	9,799.1	35.6	34.2	-134.05	259.4	-36.7	188.1	124.3	63.83	2.947	
10,000.0	9,974.9	9,896.2	9,845.6	36.0	34.3	-140.74	226.6	-37.5	235.2	176.0	59.23	3.971	
10,100.0	10,074.9	9,944.8	9,882.2	36.3	34.4	-145.31	194.8	-40.4	294.9	240.1	54.85	5.377	
10,200.0	10,174.9	9,992.3	9,915.1	36.7	34.5	-148.92	160.7	-44.3	363.1	311.4	51.74	7.018	
10,300.0	10,274.9	10,036.2	9,943.4	37.0	34.6	-151.88	127.3	-47.2	436.5	387.2	49.30	8.854	
10,400.0	10,374.9	10,083.1	9,971.6	37.4	34.7	-154.73	89.9	-49.1	513.6	465.7	47.87	10.729	
10,500.0	10,474.9	10,134.1	10,001.2	37.7	34.8	-157.57	48.4	-49.1	592.5	545.3	47.19	12.555	
10,600.0	10,574.9	10,150.0	10,010.2	38.1	34.9	-158.41	35.3	-48.7	673.7	629.2	44.50	15.140	
10,700.0	10,674.9	10,183.1	10,027.7	38.4	35.0	-160.04	7.3	-47.6	757.2	713.7	43.44	17.429	
10,800.0	10,774.9	10,199.2	10,035.5	38.8	35.0	-160.78	-6.9	-47.2	843.5	801.7	41.81	20.175	
10,900.0	10,874.9	10,213.3	10,041.7	39.1	35.0	-161.38	-19.5	-46.9	931.9	891.4	40.47	23.026	
11,000.0	10,974.9	10,246.0	10,054.6	39.5	35.1	-162.65	-49.5	-46.4	1,022.5	982.3	40.23	25.418	
11,100.0	11,074.9	10,246.0	10,054.6	39.8	35.1	-162.65	-49.5	-46.4	1,113.2	1,074.3	38.85	28.656	
11,200.0	11,174.9	10,246.0	10,054.6	40.2	35.1	-162.65	-49.5	-46.4	1,205.3	1,167.6	37.77	31.914	
11,300.0	11,274.9	10,246.0	10,054.6	40.6	35.1	-162.65	-49.5	-46.4	1,298.7	1,261.7	36.94	35.160	
11,400.0	11,374.9	10,246.0	10,054.6	40.9	35.1	-162.65	-49.5	-46.4	1,392.9	1,356.6	36.30	38.374	
11,500.0	11,474.9	10,246.0	10,054.6	41.3	35.1	-162.65	-49.5	-46.4	1,487.9	1,452.1	35.82	41.539	
11,600.0	11,574.9	10,246.0	10,054.6	41.6	35.1	-162.65	-49.5	-46.4	1,583.5	1,548.0	35.47	44.646	
11,700.0	11,674.9	10,246.0	10,054.6	42.0	35.1	-162.65	-49.5	-46.4	1,679.6	1,644.4	35.22	47.687	
11,800.0	11,774.9	10,283.9	10,066.4	42.3	35.2	-163.94	-85.6	-46.3	1,773.9	1,738.1	35.78	49.582	
11,900.0	11,874.9	10,288.4	10,067.5	42.7	35.2	-164.08	-89.9	-46.3	1,870.3	1,834.5	35.71	52.377	
12,000.0	11,974.9	10,292.5	10,068.6	43.0	35.2	-164.20	-93.8	-46.3	1,966.9	1,931.2	35.69	55.117	
12,100.0	12,074.9	10,296.2	10,069.4	43.4	35.2	-164.31	-97.5	-46.3	2,063.9	2,028.2	35.71	57.799	
12,200.0	12,174.9	10,299.7	10,070.2	43.7	35.2	-164.42	-100.9	-46.4	2,161.1	2,125.3	35.77	60.423	
12,300.0	12,274.9	10,341.0	10,077.3	44.1	35.3	-165.52	-141.5	-46.9	2,260.7	2,224.3	36.38	62.140	
12,400.0	12,374.9	10,341.0	10,077.3	44.5	35.3	-165.52	-141.5	-46.9	2,357.9	2,321.5	36.43	64.732	
12,500.0	12,474.9	10,341.0	10,077.3	44.8	35.3	-165.52	-141.5	-46.9	2,455.4	2,418.9	36.51	67.257	
12,600.0	12,574.9	10,341.0	10,077.3	45.2	35.3	-165.52	-141.5	-46.9	2,553.1	2,516.4	36.62	69.717	
12,700.0	12,674.9	10,341.0	10,077.3	45.5	35.3	-165.52	-141.5	-46.9	2,650.9	2,614.1	36.76	72.112	
12,800.0	12,774.9	10,341.0	10,077.3	45.9	35.3	-165.52	-141.5	-46.9	2,748.9	2,712.0	36.93	74.445	
12,900.0	12,874.9	10,341.0	10,077.3	46.2	35.3	-165.52	-141.5	-46.9	2,847.0	2,809.9	37.11	76.716	
13,000.0	12,974.9	10,341.0	10,077.3	46.6	35.3	-165.52	-141.5	-46.9	2,945.3	2,908.0	37.32	78.927	
13,100.0	13,074.9	10,341.0	10,077.3	46.9	35.3	-165.52	-141.5	-46.9	3,043.6	3,006.1	37.54	81.080	
13,188.1	13,163.0	10,341.0	10,077.3	47.2	35.3	-165.52	-141.5	-46.9	3,130.4	3,092.6	37.75	82.929	
13,200.0	13,174.9	10,341.0	10,077.3	47.3	35.3	5.07	-141.5	-46.9	3,142.1	3,104.3	37.78	83.178	
13,250.0	13,224.8	10,341.0	10,077.3	47.4	35.3	3.51	-141.5	-46.9	3,190.7	3,152.8	37.88	84.239	
13,300.0	13,274.2	10,341.0	10,077.3	47.6	35.3	2.69	-141.5	-46.9	3,238.2	3,200.2	37.95	85.318	
13,350.0	13,322.8	10,341.0	10,077.3	47.7	35.3	2.18	-141.5	-46.9	3,284.3	3,246.2	38.01	86.403	
13,400.0	13,370.1	10,341.0	10,077.3	47.8	35.3	1.85	-141.5	-46.9	3,328.6	3,290.5	38.05	87.484	
13,450.0	13,415.9	10,341.0	10,077.3	48.0	35.3	1.61	-141.5	-46.9	3,371.0	3,332.9	38.07	88.548	
13,500.0	13,459.7	10,341.0	10,077.3	48.1	35.3	1.43	-141.5	-46.9	3,411.1	3,373.0	38.08	89.584	
13,550.0	13,501.3	10,341.0	10,077.3	48.2	35.3	1.29	-141.5	-46.9	3,448.8	3,410.7	38.07	90.580	
13,600.0	13,540.3	10,341.0	10,077.3	48.3	35.3	1.18	-141.5	-46.9	3,483.8	3,445.8	38.07	91.522	
13,650.0	13,576.5	10,341.0	10,077.3	48.3	35.3	1.10	-141.5	-46.9	3,516.0	3,478.0	38.05	92.398	
13,700.0	13,609.5	10,341.0	10,077.3	48.4	35.3	1.03	-141.5	-46.9	3,545.2	3,507.2	38.04	93.192	
13,750.0	13,639.1	10,341.0	10,077.3	48.5	35.3	0.98	-141.5	-46.9	3,571.3	3,533.3	38.04	93.893	
13,800.0	13,665.0	10,341.0	10,077.3	48.6	35.3	0.94	-141.5	-46.9	3,594.1	3,556.1	38.04	94.484	
13,850.0	13,687.2	10,386.0	10,081.3	48.6	35.4	0.79	-186.3	-47.6	3,612.1	3,573.8	38.21	94.531	
13,900.0	13,705.4	10,394.8	10,081.8	48.7	35.5	0.75	-195.2	-47.7	3,627.4	3,589.1	38.25	94.837	
13,950.0	13,719.4	10,437.0	10,083.0	48.8	35.6	0.63	-237.3	-47.7	3,639.8	3,601.4	38.40	94.794	
14,000.0	13,729.2	10,437.0	10,083.0	48.8	35.6	0.62	-237.3	-47.7	3,647.3	3,608.9	38.42	94.930	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-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
14,050.0	13,734.7	10,437.0	10,083.0	48.9	35.6	0.62	-237.3	-47.7	3,651.1	3,612.7	38.47	94.910	
14,088.1	13,736.0	10,437.0	10,083.0	49.0	35.6	0.62	-237.3	-47.7	3,651.6	3,613.1	38.52	94.788	
14,100.0	13,736.0	10,437.0	10,083.0	49.0	35.6	0.62	-237.3	-47.7	3,651.4	3,612.9	38.54	94.733	
14,188.0	13,736.0	10,481.1	10,083.0	49.1	35.7	0.53	-281.4	-47.4	3,651.1	3,612.3	38.81	94.076	
14,200.0	13,736.0	10,490.3	10,083.0	49.2	35.7	0.52	-290.6	-47.3	3,651.1	3,612.2	38.85	93.973	
14,300.0	13,736.0	10,561.9	10,082.6	49.4	36.0	0.38	-362.2	-46.1	3,651.5	3,612.3	39.24	93.056	
14,400.0	13,736.0	10,621.2	10,081.8	49.7	36.2	0.28	-421.5	-45.3	3,653.0	3,613.3	39.68	92.068	
14,500.0	13,736.0	10,669.0	10,080.5	50.0	36.4	0.19	-469.2	-44.4	3,655.6	3,615.5	40.16	91.032	
14,546.0	13,736.0	10,704.9	10,079.3	50.1	36.6	0.14	-505.1	-43.5	3,657.2	3,616.8	40.41	90.503	
14,600.0	13,736.0	10,735.9	10,078.1	50.4	36.7	0.13	-536.1	-42.6	3,659.4	3,618.7	40.71	89.890	
14,700.0	13,736.0	10,919.0	10,073.0	50.8	37.8	0.06	-719.1	-36.7	3,661.8	3,620.3	41.43	88.388	
14,800.0	13,736.0	11,071.7	10,071.0	51.3	38.8	0.01	-871.6	-33.1	3,663.1	3,620.8	42.24	86.718	
14,900.0	13,736.0	14,900.0	10,070.3	51.8	68.0	-0.01	-998.6	-30.8	3,663.6	3,603.0	60.62	60.440	
15,000.0	13,736.0	11,321.0	10,071.2	52.4	40.7	-0.03	-1,120.9	-28.6	3,662.8	3,618.9	43.95	83.347	
15,043.9	13,736.0	11,340.6	10,071.3	52.6	40.8	-0.04	-1,140.5	-28.2	3,662.7	3,618.5	44.23	82.802	
15,100.0	13,736.0	11,376.8	10,071.2	53.0	41.1	-0.05	-1,176.7	-27.3	3,662.9	3,618.2	44.65	82.042	
15,200.0	13,736.0	11,564.1	10,072.5	53.6	42.8	-0.09	-1,363.9	-23.6	3,662.1	3,616.2	45.85	79.879	
15,300.0	13,736.0	11,638.8	10,073.6	54.3	43.6	-0.10	-1,438.6	-22.3	3,660.6	3,613.9	46.67	78.441	
15,400.0	13,736.0	11,840.9	10,078.2	55.1	45.6	-0.12	-1,640.6	-19.7	3,658.6	3,610.5	48.08	76.096	
15,500.0	13,736.0	11,910.7	10,080.7	55.9	46.4	-0.12	-1,710.4	-19.2	3,655.0	3,606.1	48.93	74.705	
15,600.0	13,736.0	11,972.0	10,082.3	56.7	47.0	-0.12	-1,771.7	-18.9	3,652.4	3,602.7	49.77	73.390	
15,700.0	13,736.0	12,048.0	10,083.6	57.6	47.9	-0.12	-1,847.6	-18.7	3,650.8	3,600.1	50.71	71.999	
15,800.0	13,736.0	12,131.9	10,084.5	58.4	48.8	-0.11	-1,931.5	-18.5	3,649.6	3,597.9	51.70	70.587	
15,900.0	13,736.0	12,207.6	10,085.1	59.4	49.7	-0.11	-2,007.3	-18.3	3,648.9	3,596.2	52.69	69.252	
15,928.3	13,736.0	12,225.3	10,085.1	59.6	49.9	-0.11	-2,025.0	-18.2	3,648.9	3,595.9	52.96	68.897	
16,000.0	13,736.0	12,276.0	10,084.9	60.3	50.5	-0.10	-2,075.6	-18.1	3,649.1	3,595.5	53.67	67.990	
16,100.0	13,736.0	12,338.6	10,084.1	61.3	51.3	-0.10	-2,138.2	-18.1	3,650.3	3,595.7	54.66	66.787	
16,200.0	13,736.0	12,494.2	10,082.7	62.3	53.1	-0.06	-2,293.8	-19.3	3,651.3	3,595.3	56.02	65.175	
16,300.0	13,736.0	12,569.4	10,082.3	63.4	54.1	-0.06	-2,369.0	-19.0	3,651.7	3,594.7	57.09	63.965	
16,400.0	13,736.0	12,678.7	10,081.7	64.4	55.5	-0.07	-2,478.3	-17.7	3,652.3	3,594.0	58.32	62.630	
16,500.0	13,736.0	12,757.1	10,081.1	65.5	56.5	-0.09	-2,556.7	-16.2	3,653.1	3,593.6	59.43	61.469	
16,600.0	13,736.0	12,845.7	10,080.0	66.6	57.6	-0.12	-2,645.2	-13.6	3,654.3	3,593.7	60.60	60.300	
16,700.0	13,736.0	13,232.0	10,089.3	67.8	62.8	-0.30	-3,030.9	0.3	3,652.3	3,589.1	63.19	57.794	
16,800.0	13,736.0	13,285.6	10,092.7	68.9	63.6	-0.29	-3,084.4	0.3	3,646.2	3,582.0	64.21	56.789	
16,900.0	13,736.0	13,328.0	10,094.5	70.1	64.2	-0.28	-3,126.7	-0.4	3,641.9	3,576.7	65.18	55.871	
17,000.0	13,736.0	13,381.0	10,096.0	71.3	64.9	-0.25	-3,179.7	-1.9	3,639.0	3,572.8	66.24	54.940	
17,100.0	13,736.0	13,441.4	10,097.0	72.5	65.7	-0.21	-3,240.1	-4.0	3,637.3	3,570.0	67.34	54.015	
17,200.0	13,736.0	13,519.0	10,097.5	73.7	66.8	-0.16	-3,317.6	-6.8	3,636.5	3,568.0	68.53	53.062	
17,239.8	13,736.0	13,535.6	10,097.5	74.2	67.0	-0.15	-3,334.2	-7.5	3,636.4	3,567.5	68.95	52.740	
17,300.0	13,736.0	13,569.0	10,097.4	75.0	67.5	-0.13	-3,367.6	-8.6	3,636.7	3,567.1	69.62	52.237	
17,400.0	13,736.0	13,686.7	10,096.0	76.2	69.1	-0.06	-3,485.2	-11.9	3,638.0	3,566.9	71.01	51.230	
17,500.0	13,736.0	13,898.9	10,099.4	77.5	72.2	-0.05	-3,697.3	-11.2	3,636.0	3,563.1	72.86	49.906	
17,600.0	13,736.0	14,029.2	10,103.6	78.8	74.1	-0.10	-3,827.5	-7.2	3,632.8	3,558.4	74.34	48.866	
17,700.0	13,736.0	14,171.2	10,109.5	80.1	76.1	-0.15	-3,969.3	-3.4	3,628.6	3,552.8	75.89	47.813	
17,800.0	13,736.0	14,278.9	10,114.8	81.4	77.7	-0.21	-4,076.9	0.8	3,623.7	3,546.4	77.29	46.886	
17,900.0	13,736.0	14,396.3	10,120.9	82.8	79.5	-0.23	-4,194.0	3.2	3,618.5	3,539.8	78.74	45.958	
18,000.0	13,736.0	14,429.8	10,122.3	84.1	80.0	-0.23	-4,227.5	3.0	3,614.1	3,534.3	79.79	45.296	
18,100.0	13,736.0	14,477.0	10,123.6	85.5	80.7	-0.21	-4,274.6	2.1	3,611.3	3,530.4	80.92	44.629	
18,200.0	13,736.0	14,519.3	10,124.1	86.8	81.3	-0.19	-4,317.0	1.0	3,610.0	3,527.9	82.03	44.007	
18,237.5	13,736.0	14,536.8	10,124.1	87.3	81.6	-0.18	-4,334.4	0.6	3,609.9	3,527.4	82.46	43.777	
18,300.0	13,736.0	14,572.0	10,123.9	88.2	82.1	-0.16	-4,369.6	-0.4	3,610.1	3,526.9	83.20	43.390	
18,400.0	13,736.0	14,628.4	10,123.1	89.6	82.9	-0.13	-4,426.0	-2.0	3,611.6	3,527.2	84.40	42.794	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-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
18,500.0	13,736.0	14,717.2	10,121.0	91.0	84.2	-0.07	-4,514.7	-4.8	3,613.9	3,528.2	85.74	42.150	
18,600.0	13,736.0	14,829.2	10,118.7	92.4	85.9	-0.02	-4,626.6	-7.6	3,615.9	3,528.7	87.20	41.469	
18,700.0	13,736.0	14,908.3	10,117.1	93.8	87.1	0.01	-4,705.7	-8.6	3,618.1	3,529.6	88.51	40.878	
18,800.0	13,736.0	14,986.3	10,114.8	95.2	88.3	0.03	-4,783.7	-9.6	3,621.0	3,531.1	89.82	40.314	
18,900.0	13,736.0	15,074.2	10,112.0	96.6	89.6	0.04	-4,871.6	-10.0	3,624.2	3,533.0	91.18	39.748	
19,000.0	13,736.0	15,146.0	10,109.2	98.0	90.7	0.05	-4,943.3	-9.7	3,628.0	3,535.6	92.47	39.236	
19,100.0	13,736.0	15,385.5	10,103.2	99.5	94.3	-0.01	-5,182.6	-4.8	3,630.8	3,536.3	94.55	38.402	
19,200.0	13,736.0	15,433.0	10,102.6	100.9	95.1	-0.01	-5,230.1	-4.5	3,632.0	3,536.2	95.74	37.937	
19,300.0	13,736.0	15,499.6	10,101.1	102.4	96.1	-0.01	-5,296.6	-4.3	3,634.3	3,537.3	97.02	37.461	
19,400.0	13,736.0	15,673.9	10,098.9	103.8	98.8	-0.04	-5,470.9	-0.8	3,635.1	3,536.3	98.81	36.790	
19,500.0	13,736.0	15,721.0	10,098.3	105.3	99.5	-0.06	-5,518.0	0.6	3,636.5	3,536.5	100.00	36.364	
19,600.0	13,736.0	15,782.0	10,096.8	106.7	100.4	-0.08	-5,579.0	2.5	3,639.1	3,537.9	101.26	35.937	
19,700.0	13,736.0	15,837.1	10,094.6	108.2	101.3	-0.10	-5,634.0	4.2	3,643.0	3,540.5	102.49	35.543	
19,800.0	13,736.0	19,800.0	10,089.0	109.7	162.9	-0.15	-5,749.9	7.6	3,647.9	3,514.9	133.02	27.425	
19,900.0	13,736.0	16,158.6	10,084.6	111.2	106.3	-0.20	-5,955.2	12.1	3,649.6	3,543.6	106.00	34.432	
20,000.0	13,736.0	16,258.5	10,083.6	112.7	107.8	-0.22	-6,055.0	14.3	3,650.7	3,543.2	107.46	33.973	
20,100.0	13,736.0	16,442.2	10,083.5	114.2	110.7	-0.22	-6,238.7	15.4	3,650.8	3,541.5	109.31	33.398	
20,200.0	13,736.0	16,523.4	10,084.4	115.7	112.0	-0.19	-6,319.9	13.8	3,649.7	3,539.0	110.69	32.971	
20,254.1	13,736.0	16,554.1	10,084.5	116.5	112.4	-0.17	-6,350.6	12.8	3,649.5	3,538.1	111.38	32.766	
20,300.0	13,736.0	16,582.0	10,084.4	117.2	112.9	-0.15	-6,378.4	11.9	3,649.6	3,537.7	111.97	32.595	
20,400.0	13,736.0	16,634.1	10,083.8	118.7	113.7	-0.12	-6,430.5	9.9	3,650.8	3,537.6	113.21	32.247	
20,500.0	13,736.0	16,793.6	10,081.2	120.2	116.2	0.01	-6,589.8	2.8	3,652.7	3,537.8	114.97	31.772	
20,600.0	13,736.0	16,892.1	10,081.2	121.7	117.7	0.09	-6,688.2	-1.7	3,652.8	3,536.4	116.44	31.372	
20,700.0	13,736.0	16,965.0	10,080.7	123.2	118.8	0.16	-6,761.0	-5.3	3,653.5	3,535.7	117.79	31.017	
20,800.0	13,736.0	17,016.3	10,079.8	124.7	119.6	0.20	-6,812.2	-8.1	3,655.1	3,536.1	119.03	30.707	
20,900.0	13,736.0	17,073.4	10,078.2	126.2	120.5	0.25	-6,869.3	-11.0	3,658.1	3,537.8	120.30	30.408	
21,000.0	13,736.0	17,147.5	10,075.3	127.8	121.7	0.30	-6,943.3	-13.2	3,661.9	3,540.3	121.65	30.102	
21,100.0	13,736.0	17,188.8	10,073.3	129.3	122.3	0.31	-6,984.5	-13.7	3,666.9	3,544.0	122.81	29.857	
21,200.0	13,736.0	17,252.0	10,068.8	130.8	123.3	0.32	-7,047.5	-14.3	3,673.7	3,549.7	124.09	29.605	
21,300.0	13,736.0	17,274.3	10,066.8	132.4	123.7	0.33	-7,069.8	-14.4	3,681.8	3,556.7	125.12	29.427	
21,400.0	13,736.0	17,809.6	10,050.7	133.9	132.2	0.22	-7,604.0	-4.1	3,684.9	3,556.1	128.83	28.603	
21,500.0	13,736.0	17,876.1	10,052.4	135.4	133.2	0.19	-7,670.4	-2.0	3,682.3	3,552.2	130.19	28.285	
21,600.0	13,736.0	18,118.9	10,062.1	137.0	137.1	0.04	-7,912.7	9.0	3,678.2	3,546.0	132.24	27.814	
21,700.0	13,736.0	18,212.4	10,067.4	138.5	138.6	-0.03	-8,005.9	14.2	3,672.6	3,538.8	133.72	27.464	
21,800.0	13,736.0	18,230.0	10,068.4	140.1	138.9	-0.05	-8,023.5	15.4	3,667.8	3,532.9	134.91	27.186	
21,900.0	13,736.0	18,287.0	10,070.7	141.6	139.8	-0.09	-8,080.3	18.6	3,664.3	3,528.0	136.24	26.895	
22,000.0	13,736.0	18,326.0	10,071.1	143.2	140.4	-0.11	-8,119.3	20.1	3,662.9	3,525.5	137.48	26.643	
22,022.8	13,736.0	18,326.0	10,071.1	143.5	140.4	-0.11	-8,119.3	20.1	3,662.9	3,525.2	137.72	26.597	
22,100.0	13,736.0	18,358.5	10,070.9	144.7	141.0	-0.12	-8,151.8	21.1	3,663.4	3,524.7	138.67	26.418	
22,200.0	13,736.0	18,422.0	10,069.4	146.3	142.0	-0.15	-8,215.2	23.1	3,665.5	3,525.5	139.99	26.184	
22,300.0	13,736.0	18,560.3	10,066.8	147.8	144.2	-0.17	-8,353.5	25.5	3,667.4	3,525.7	141.69	25.883	
22,400.0	13,736.0	18,633.1	10,065.8	149.4	145.3	-0.17	-8,426.2	25.6	3,668.8	3,525.8	143.06	25.645	
22,500.0	13,736.0	18,959.2	10,065.9	151.0	150.6	-0.09	-8,752.2	22.6	3,671.4	3,525.8	145.56	25.222	
22,600.0	13,736.0	19,040.8	10,069.2	152.5	151.9	-0.06	-8,833.7	21.2	3,667.3	3,520.3	147.00	24.947	
22,700.0	13,736.0	19,115.3	10,071.8	154.1	153.0	-0.03	-8,908.1	19.6	3,663.9	3,515.5	148.42	24.686	
22,800.0	13,736.0	19,188.0	10,073.7	155.7	154.2	0.01	-8,980.8	17.6	3,661.3	3,511.5	149.82	24.437	
22,900.0	13,736.0	19,257.8	10,075.0	157.2	155.3	0.05	-9,050.6	15.4	3,659.4	3,508.2	151.21	24.201	
23,000.0	13,736.0	19,329.9	10,075.8	158.8	156.5	0.10	-9,122.6	12.8	3,658.3	3,505.7	152.60	23.973	
23,100.0	13,736.0	19,411.9	10,076.1	160.4	157.8	0.15	-9,204.6	10.0	3,658.0	3,503.9	154.04	23.747	
23,194.1	13,736.0	19,498.0	10,076.3	161.9	159.1	0.18	-9,290.7	9.1	3,657.8	3,502.3	155.43	23.533	
23,200.0	13,736.0	19,502.1	10,076.3	162.0	159.2	0.18	-9,294.8	9.1	3,657.8	3,502.2	155.51	23.521	
23,300.0	13,736.0	19,570.0	10,075.9	163.5	160.3	0.19	-9,362.6	8.8	3,658.2	3,501.4	156.88	23.319	

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 181-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
23,400.0	13,736.0	19,628.3	10,075.1	165.1	161.2	0.20	-9,421.0	8.4	3,659.7	3,501.5	158.18	23.136	
23,500.0	13,736.0	19,756.8	10,072.3	166.7	163.3	0.21	-9,549.4	8.2	3,662.0	3,502.2	159.85	22.909	
23,600.0	13,736.0	19,830.6	10,071.1	168.3	164.5	0.20	-9,623.2	9.6	3,663.6	3,502.4	161.24	22.722	
23,700.0	13,736.0	19,897.2	10,069.5	169.8	165.6	0.19	-9,689.8	11.0	3,666.1	3,503.5	162.58	22.549	
23,800.0	13,736.0	19,964.8	10,067.2	171.4	166.7	0.16	-9,757.3	12.8	3,669.5	3,505.5	163.92	22.386	
23,900.0	13,736.0	20,055.2	10,063.6	173.0	168.1	0.14	-9,847.6	15.0	3,673.4	3,508.0	165.38	22.211	
24,000.0	13,736.0	20,134.4	10,060.2	174.6	169.4	0.12	-9,926.7	16.6	3,677.7	3,510.9	166.78	22.051	
24,037.2	13,736.0	20,145.0	10,059.7	175.2	169.6	0.12	-9,937.3	16.8	3,679.5	3,512.4	167.18	22.009	
24,037.7	13,736.0	20,145.0	10,059.7	175.2	169.6	0.12	-9,937.3	16.8	3,679.6	3,512.5	167.02	22.030	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 — **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	-90.41	-0.4	-60.0	60.0				
100.0	100.0	101.0	99.0	0.1	0.1	-90.41	-0.4	-60.0	60.0	59.8	0.26	230.941	
200.0	200.0	201.0	199.0	0.5	0.5	-90.41	-0.4	-60.0	60.0	59.0	0.98	61.443	
300.0	300.0	301.0	299.0	0.8	0.8	-90.41	-0.4	-60.0	60.0	58.3	1.69	35.435	
400.0	400.0	401.0	399.0	1.2	1.2	-90.41	-0.4	-60.0	60.0	57.6	2.41	24.897	
500.0	500.0	501.0	499.0	1.6	1.6	-90.41	-0.4	-60.0	60.0	56.9	3.13	19.190	
600.0	600.0	601.0	599.0	1.9	1.9	-90.41	-0.4	-60.0	60.0	56.2	3.84	15.611	
700.0	700.0	701.0	699.0	2.3	2.3	-90.41	-0.4	-60.0	60.0	55.5	4.56	13.158	
800.0	800.0	801.0	799.0	2.6	2.6	-90.41	-0.4	-60.0	60.0	54.7	5.28	11.371	
900.0	900.0	901.0	899.0	3.0	3.0	-90.41	-0.4	-60.0	60.0	54.0	6.00	10.011	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-90.41	-0.4	-60.0	60.0	53.3	6.71	8.942	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-90.41	-0.4	-60.0	60.0	52.6	7.43	8.079	
1,200.0	1,200.0	1,199.0	1,199.0	4.1	4.1	-90.41	-0.4	-60.0	60.0	51.9	8.14	7.374	
1,300.0	1,300.0	1,299.3	1,299.3	4.4	4.4	-89.61	0.4	-59.8	59.8	50.9	8.86	6.752	
1,400.0	1,400.0	1,399.5	1,399.4	4.8	4.8	-87.17	2.9	-59.1	59.2	49.6	9.57	6.183	
1,500.0	1,500.0	1,499.6	1,499.4	5.1	5.1	-82.99	7.1	-58.0	58.4	48.1	10.29	5.678	
1,600.0	1,600.0	1,599.5	1,599.1	5.5	5.5	-77.01	13.0	-56.4	57.9	46.9	11.01	5.259	
1,628.9	1,628.9	1,628.3	1,627.9	5.6	5.6	-74.95	15.0	-55.9	57.8	46.6	11.21	5.159	
1,700.0	1,700.0	1,699.1	1,698.5	5.9	5.9	-69.29	20.6	-54.4	58.1	46.4	11.72	4.958	
1,800.0	1,800.0	1,798.5	1,797.4	6.2	6.2	-60.20	29.7	-51.9	59.8	47.4	12.44	4.810	
1,900.0	1,900.0	1,897.6	1,895.9	6.6	6.6	-64.07	40.5	-49.0	63.3	50.1	13.15	4.811	
2,000.0	2,000.0	2,003.5	1,993.9	6.9	7.0	-56.04	52.9	-45.7	68.1	54.2	13.89	4.904	
2,100.0	2,099.9	2,104.0	2,092.5	7.3	7.4	-49.60	66.3	-42.1	73.5	58.9	14.60	5.034	
2,200.0	2,199.7	2,204.3	2,191.2	7.7	7.7	-44.98	79.7	-38.5	78.5	63.2	15.33	5.121	
2,300.0	2,299.4	2,304.5	2,290.1	8.0	8.1	-41.72	93.1	-34.9	82.6	66.5	16.05	5.145	
2,400.0	2,398.9	2,404.6	2,389.0	8.4	8.5	-39.51	106.6	-31.2	85.6	68.8	16.78	5.100	
2,500.0	2,498.3	2,504.6	2,488.0	8.7	8.9	-38.16	120.0	-27.6	87.3	69.8	17.51	4.984	
2,600.0	2,597.4	2,604.6	2,587.0	9.1	9.3	-37.55	133.4	-24.0	87.7	69.4	18.25	4.803	
2,700.0	2,696.4	2,704.6	2,686.0	9.5	9.7	-37.29	146.9	-20.4	87.3	68.4	18.99	4.599	
2,800.0	2,795.5	2,804.6	2,785.1	9.9	10.1	-37.03	160.3	-16.8	87.0	67.3	19.74	4.410	
2,900.0	2,894.5	2,895.4	2,884.1	10.2	10.5	-36.77	173.8	-13.2	86.7	66.3	20.45	4.241	
3,000.0	2,993.5	3,004.6	2,983.1	10.6	10.9	-36.51	187.2	-9.6	86.4	65.2	21.23	4.071	
3,100.0	3,092.5	3,104.6	3,082.1	11.0	11.3	-36.25	200.6	-5.9	86.1	64.1	21.98	3.918	
3,200.0	3,191.6	3,204.6	3,181.2	11.4	11.7	-35.99	214.1	-2.3	85.8	63.1	22.73	3.775	
3,300.0	3,290.6	3,304.6	3,280.2	11.8	12.1	-35.72	227.5	1.3	85.5	62.0	23.49	3.641	
3,400.0	3,389.6	3,395.4	3,379.2	12.2	12.5	-35.45	241.0	4.9	85.2	61.0	24.20	3.521	
3,500.0	3,488.6	3,504.6	3,478.2	12.6	12.9	-35.18	254.4	8.5	84.9	59.9	24.99	3.398	
3,600.0	3,587.7	3,604.6	3,577.3	13.0	13.3	-34.91	267.8	12.1	84.6	58.9	25.75	3.287	
3,700.0	3,686.7	3,695.4	3,676.3	13.4	13.7	-34.63	281.3	15.7	84.3	57.9	26.47	3.187	
3,800.0	3,785.7	3,796.3	3,776.3	13.8	14.1	-34.50	294.5	19.3	83.8	56.5	27.24	3.075	
3,900.0	3,884.8	3,898.0	3,877.3	14.1	14.5	-35.35	305.6	22.3	81.3	53.3	28.03	2.901	
4,000.0	3,983.8	3,999.5	3,978.5	14.5	14.9	-37.51	314.0	24.5	76.8	48.0	28.83	2.665	
4,100.0	4,082.8	4,100.7	4,079.4	14.9	15.3	-41.39	319.8	26.1	70.5	40.9	29.64	2.379	
4,200.0	4,181.8	4,201.3	4,180.0	15.3	15.6	-47.78	323.0	27.0	62.8	32.3	30.49	2.061	
4,300.0	4,280.9	4,301.2	4,279.9	15.8	16.0	-58.02	323.8	27.2	54.8	23.4	31.41	1.745	
4,400.0	4,379.9	4,400.2	4,378.9	16.2	16.3	-71.89	323.8	27.2	48.8	16.5	32.35	1.509	
4,500.0	4,478.9	4,500.8	4,477.9	16.6	16.6	-88.30	323.8	27.2	46.4	13.2	33.19	1.397	Level 3
4,510.0	4,488.8	4,509.1	4,487.8	16.6	16.7	-90.00	323.8	27.2	46.4	13.1	33.26	1.394	Level 3, CC
4,600.0	4,577.9	4,601.8	4,576.9	17.0	17.0	-104.98	323.8	27.2	48.0	14.2	33.82	1.420	Level 3
4,700.0	4,677.0	4,702.7	4,676.0	17.4	17.3	-119.46	323.8	27.2	53.4	19.0	34.32	1.555	
4,732.6	4,709.2	4,729.5	4,708.2	17.5	17.4	-123.49	323.8	27.2	55.8	21.3	34.46	1.618	
4,800.0	4,776.1	4,803.6	4,775.1	17.8	17.7	-130.42	323.8	27.2	61.1	26.3	34.82	1.754	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,875.5	4,904.2	4,874.5	18.2	18.0	-137.40	323.8	27.2	68.7	33.3	35.39	1.940	
5,000.0	4,975.1	5,004.6	4,974.1	18.5	18.3	-141.73	323.8	27.2	75.0	38.9	36.01	2.082	
5,100.0	5,075.0	5,104.7	5,074.0	18.9	18.7	-144.29	323.8	27.2	79.5	42.8	36.66	2.167	
5,200.0	5,174.9	5,204.8	5,173.9	19.3	19.0	-145.55	323.8	27.2	82.0	44.6	37.34	2.195	
5,265.9	5,240.8	5,261.1	5,239.8	19.5	19.2	-132.78	323.8	27.2	82.4	44.7	37.77	2.182	
5,300.0	5,274.9	5,304.8	5,273.9	19.6	19.4	-132.78	323.8	27.2	82.4	44.4	38.04	2.167	
5,400.0	5,374.9	5,404.8	5,373.9	19.9	19.7	-132.78	323.8	27.2	82.4	43.7	38.74	2.128	
5,500.0	5,474.9	5,504.8	5,473.9	20.3	20.1	-132.78	323.8	27.2	82.4	43.0	39.44	2.090	
5,600.0	5,574.9	5,604.8	5,573.9	20.6	20.4	-132.78	323.8	27.2	82.4	42.3	40.14	2.053	
5,700.0	5,674.9	5,704.8	5,673.9	21.0	20.8	-132.78	323.8	27.2	82.4	41.6	40.84	2.018	
5,800.0	5,774.9	5,804.8	5,773.9	21.3	21.1	-132.78	323.8	27.2	82.4	40.9	41.55	1.984	
5,900.0	5,874.9	5,904.8	5,873.9	21.6	21.5	-132.78	323.8	27.2	82.4	40.2	42.25	1.951	
6,000.0	5,974.9	6,004.8	5,973.9	22.0	21.8	-132.78	323.8	27.2	82.4	39.5	42.95	1.919	
6,100.0	6,074.9	6,104.8	6,073.9	22.3	22.1	-132.78	323.8	27.2	82.4	38.8	43.66	1.888	
6,200.0	6,174.9	6,204.8	6,173.9	22.7	22.5	-132.78	323.8	27.2	82.4	38.1	44.36	1.858	
6,300.0	6,274.9	6,304.8	6,273.9	23.0	22.8	-132.78	323.8	27.2	82.4	37.4	45.07	1.829	
6,400.0	6,374.9	6,404.8	6,373.9	23.4	23.2	-132.78	323.8	27.2	82.4	36.6	45.77	1.801	
6,500.0	6,474.9	6,504.8	6,473.9	23.7	23.5	-132.78	323.8	27.2	82.4	35.9	46.48	1.773	
6,600.0	6,574.9	6,604.8	6,573.9	24.1	23.9	-132.78	323.8	27.2	82.4	35.2	47.18	1.747	
6,700.0	6,674.9	6,704.8	6,673.9	24.4	24.2	-132.78	323.8	27.2	82.4	34.5	47.89	1.721	
6,800.0	6,774.9	6,804.8	6,773.9	24.7	24.6	-132.78	323.8	27.2	82.4	33.8	48.59	1.696	
6,900.0	6,874.9	6,904.8	6,873.9	25.1	24.9	-132.78	323.8	27.2	82.4	33.1	49.30	1.672	
7,000.0	6,974.9	7,004.8	6,973.9	25.4	25.3	-132.78	323.8	27.2	82.4	32.4	50.01	1.648	
7,100.0	7,074.9	7,104.8	7,073.9	25.8	25.6	-132.78	323.8	27.2	82.4	31.7	50.72	1.625	
7,200.0	7,174.9	7,204.8	7,173.9	26.1	26.0	-132.78	323.8	27.2	82.4	31.0	51.42	1.603	
7,300.0	7,274.9	7,304.8	7,273.9	26.5	26.3	-132.78	323.8	27.2	82.4	30.3	52.13	1.581	
7,400.0	7,374.9	7,404.8	7,373.9	26.8	26.7	-132.78	323.8	27.2	82.4	29.6	52.84	1.560	
7,500.0	7,474.9	7,504.8	7,473.9	27.2	27.0	-132.78	323.8	27.2	82.4	28.9	53.55	1.539	
7,600.0	7,574.9	7,604.8	7,573.9	27.5	27.4	-132.78	323.8	27.2	82.4	28.2	54.26	1.519	
7,700.0	7,674.9	7,704.8	7,673.9	27.9	27.7	-132.78	323.8	27.2	82.4	27.5	54.96	1.500	Level 3
7,800.0	7,774.9	7,804.8	7,773.9	28.2	28.1	-132.78	323.8	27.2	82.4	26.7	55.67	1.480	Level 3
7,900.0	7,874.9	7,904.8	7,873.9	28.6	28.4	-132.78	323.8	27.2	82.4	26.0	56.38	1.462	Level 3
8,000.0	7,974.9	8,004.8	7,973.9	28.9	28.8	-132.78	323.8	27.2	82.4	25.3	57.09	1.444	Level 3
8,100.0	8,074.9	8,104.8	8,073.9	29.3	29.1	-132.78	323.8	27.2	82.4	24.6	57.80	1.426	Level 3
8,200.0	8,174.9	8,204.8	8,173.9	29.6	29.5	-132.78	323.8	27.2	82.4	23.9	58.51	1.409	Level 3
8,300.0	8,274.9	8,304.8	8,273.9	30.0	29.9	-132.78	323.8	27.2	82.4	23.2	59.22	1.392	Level 3
8,400.0	8,374.9	8,404.8	8,373.9	30.3	30.2	-132.78	323.8	27.2	82.4	22.5	59.93	1.375	Level 3
8,500.0	8,474.9	8,504.8	8,473.9	30.7	30.6	-132.78	323.8	27.2	82.4	21.8	60.64	1.359	Level 3
8,600.0	8,574.9	8,604.8	8,573.9	31.0	30.9	-132.78	323.8	27.2	82.4	21.1	61.35	1.343	Level 3
8,700.0	8,674.9	8,704.8	8,673.9	31.4	31.3	-132.78	323.8	27.2	82.4	20.4	62.06	1.328	Level 3
8,800.0	8,774.9	8,804.8	8,773.9	31.7	31.6	-132.78	323.8	27.2	82.4	19.6	62.77	1.313	Level 3
8,900.0	8,874.9	8,904.8	8,873.9	32.1	32.0	-132.78	323.8	27.2	82.4	18.9	63.48	1.298	Level 3
9,000.0	8,974.9	9,004.8	8,973.9	32.4	32.3	-132.78	323.8	27.2	82.4	18.2	64.19	1.284	Level 3
9,100.0	9,074.9	9,104.8	9,073.9	32.8	32.7	-132.78	323.8	27.2	82.4	17.5	64.91	1.270	Level 3
9,200.0	9,174.9	9,204.8	9,173.9	33.1	33.0	-132.78	323.8	27.2	82.4	16.8	65.62	1.256	Level 3
9,300.0	9,274.9	9,304.8	9,273.9	33.5	33.4	-132.78	323.8	27.2	82.4	16.1	66.33	1.243	Level 2
9,400.0	9,374.9	9,404.8	9,373.9	33.8	33.7	-132.78	323.8	27.2	82.4	15.4	67.04	1.229	Level 2
9,500.0	9,474.9	9,504.8	9,473.9	34.2	34.1	-132.78	323.8	27.2	82.4	14.7	67.75	1.217	Level 2
9,600.0	9,574.9	9,604.8	9,573.9	34.5	34.4	-132.78	323.8	27.2	82.4	14.0	68.46	1.204	Level 2
9,700.0	9,674.9	9,704.8	9,673.9	34.9	34.8	-132.78	323.8	27.2	82.4	13.2	69.17	1.191	Level 2
9,800.0	9,774.9	9,804.8	9,773.9	35.3	35.2	-132.78	323.8	27.2	82.4	12.5	69.89	1.179	Level 2
9,900.0	9,874.9	9,904.8	9,873.9	35.6	35.5	-132.78	323.8	27.2	82.4	11.8	70.60	1.167	Level 2

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,974.9	10,004.8	9,973.9	36.0	35.9	-132.78	323.8	27.2	82.4	11.1	71.31	1.156	Level 2
10,100.0	10,074.9	10,104.8	10,073.9	36.3	36.2	-132.78	323.8	27.2	82.4	10.4	72.02	1.144	Level 2
10,107.4	10,082.3	10,102.6	10,081.3	36.3	36.2	-132.78	323.8	27.2	82.4	10.4	72.04	1.144	Level 2
10,200.0	10,174.9	10,193.8	10,172.5	36.7	36.5	-133.00	323.4	27.3	82.6	10.0	72.65	1.137	Level 2, ES, SF
10,300.0	10,274.9	10,286.2	10,264.1	37.0	36.8	-139.18	313.1	30.1	88.6	16.0	72.66	1.220	Level 2
10,400.0	10,374.9	10,372.9	10,347.6	37.4	37.0	-150.04	290.6	36.3	106.2	35.0	71.29	1.490	Level 3
10,500.0	10,474.9	10,451.1	10,419.1	37.7	37.2	-160.21	260.1	44.6	138.5	70.2	68.31	2.028	
10,600.0	10,574.9	10,519.6	10,477.6	38.1	37.4	-167.64	225.9	53.9	184.6	120.2	64.49	2.863	
10,700.0	10,674.9	10,578.4	10,524.1	38.4	37.5	-172.66	191.3	63.4	241.9	181.3	60.61	3.991	
10,800.0	10,774.9	10,628.4	10,560.7	38.8	37.5	-176.06	158.4	72.4	307.7	250.6	57.04	5.394	
10,900.0	10,874.9	10,670.9	10,589.3	39.1	37.6	-178.41	128.1	80.7	379.9	326.0	53.90	7.049	
11,000.0	10,974.9	10,700.0	10,607.6	39.5	37.7	-179.79	106.2	86.7	457.2	406.7	50.49	9.054	
11,100.0	11,074.9	10,738.0	10,629.6	39.8	37.7	178.65	76.4	94.8	538.0	489.1	48.93	10.996	
11,200.0	11,174.9	10,764.6	10,643.8	40.2	37.8	177.69	54.7	100.8	622.0	575.0	47.02	13.228	
11,300.0	11,274.9	10,787.6	10,655.2	40.6	37.8	176.94	35.4	106.0	708.3	662.9	45.44	15.589	
11,400.0	11,374.9	10,800.0	10,661.0	40.9	37.9	176.57	24.8	108.9	796.7	753.0	43.69	18.234	
11,500.0	11,474.9	10,825.2	10,672.1	41.3	37.9	175.86	3.0	114.9	886.4	843.3	43.05	20.587	
11,600.0	11,574.9	10,850.0	10,682.0	41.6	38.0	175.23	-18.9	120.9	977.5	934.9	42.59	22.950	
11,700.0	11,674.9	10,850.0	10,682.0	42.0	38.0	175.23	-18.9	120.9	1,069.6	1,028.3	41.28	25.910	
11,800.0	11,774.9	10,866.9	10,688.2	42.3	38.0	174.84	-34.1	125.1	1,162.5	1,121.6	40.89	28.430	
11,900.0	11,874.9	10,877.9	10,692.0	42.7	38.0	174.59	-44.1	127.8	1,256.3	1,215.8	40.44	31.065	
12,000.0	11,974.9	10,900.0	10,698.9	43.0	38.1	174.13	-64.3	133.3	1,350.8	1,310.4	40.45	33.396	
12,100.0	12,074.9	10,900.0	10,698.9	43.4	38.1	174.13	-64.3	133.3	1,445.6	1,405.7	39.91	36.221	
12,200.0	12,174.9	10,900.0	10,698.9	43.7	38.1	174.13	-64.3	133.3	1,541.0	1,501.5	39.52	38.998	
12,300.0	12,274.9	10,900.0	10,698.9	44.1	38.1	174.13	-64.3	133.3	1,637.0	1,597.8	39.24	41.720	
12,400.0	12,374.9	10,919.6	10,704.5	44.5	38.1	173.75	-82.4	138.3	1,733.0	1,693.5	39.45	43.929	
12,500.0	12,474.9	10,925.9	10,706.1	44.8	38.1	173.63	-88.2	139.9	1,829.5	1,790.0	39.43	46.397	
12,600.0	12,574.9	10,931.7	10,707.6	45.2	38.2	173.53	-93.7	141.4	1,926.2	1,886.8	39.45	48.823	
12,700.0	12,674.9	10,950.0	10,711.7	45.5	38.2	173.21	-110.9	146.1	2,023.4	1,983.7	39.72	50.936	
12,800.0	12,774.9	10,950.0	10,711.7	45.9	38.2	173.21	-110.9	146.1	2,120.5	2,080.8	39.73	53.379	
12,900.0	12,874.9	10,950.0	10,711.7	46.2	38.2	173.21	-110.9	146.1	2,217.9	2,178.1	39.77	55.764	
13,000.0	12,974.9	10,950.0	10,711.7	46.6	38.2	173.21	-110.9	146.1	2,315.5	2,275.6	39.86	58.091	
13,100.0	13,074.9	10,950.0	10,711.7	46.9	38.2	173.21	-110.9	146.1	2,413.3	2,373.3	39.98	60.361	
13,188.1	13,163.0	10,950.0	10,711.7	47.2	38.2	173.21	-110.9	146.1	2,499.6	2,459.5	40.11	62.314	
13,200.0	13,174.9	10,950.0	10,711.7	47.3	38.2	-14.14	-110.9	146.1	2,511.2	2,471.1	40.13	62.577	
13,250.0	13,224.8	10,950.0	10,711.7	47.4	38.2	-10.16	-110.9	146.1	2,559.6	2,519.4	40.18	63.695	
13,300.0	13,274.2	10,950.0	10,711.7	47.6	38.2	-7.93	-110.9	146.1	2,606.7	2,566.5	40.21	64.829	
13,350.0	13,322.8	10,950.0	10,711.7	47.7	38.2	-6.51	-110.9	146.1	2,652.4	2,612.2	40.21	65.966	
13,400.0	13,370.1	10,971.9	10,716.0	47.8	38.3	-5.83	-131.5	151.7	2,695.9	2,655.5	40.40	66.729	
13,450.0	13,415.9	10,976.4	10,716.8	48.0	38.3	-5.16	-135.8	152.9	2,737.6	2,697.2	40.39	67.773	
13,500.0	13,459.7	11,000.0	10,720.3	48.1	38.3	-4.87	-158.4	159.1	2,777.5	2,736.9	40.54	68.506	
13,550.0	13,501.3	11,000.0	10,720.3	48.2	38.3	-4.43	-158.4	159.1	2,814.3	2,773.9	40.46	69.559	
13,600.0	13,540.3	11,000.0	10,720.3	48.3	38.3	-4.08	-158.4	159.1	2,848.5	2,808.2	40.37	70.555	
13,650.0	13,576.5	11,000.0	10,720.3	48.3	38.3	-3.80	-158.4	159.1	2,880.0	2,839.7	40.29	71.480	
13,700.0	13,609.5	11,000.0	10,720.3	48.4	38.3	-3.58	-158.4	159.1	2,908.5	2,868.3	40.22	72.320	
13,750.0	13,639.1	11,000.0	10,720.3	48.5	38.3	-3.40	-158.4	159.1	2,933.9	2,893.8	40.16	73.062	
13,800.0	13,665.0	11,000.0	10,720.3	48.6	38.3	-3.26	-158.4	159.1	2,956.2	2,916.1	40.12	73.690	
13,850.0	13,687.2	11,024.9	10,722.9	48.6	38.4	-3.34	-182.3	165.6	2,974.6	2,934.4	40.22	73.958	
13,900.0	13,705.4	11,050.0	10,724.5	48.7	38.5	-3.44	-206.4	172.2	2,990.2	2,949.9	40.33	74.148	
13,950.0	13,719.4	11,050.0	10,724.5	48.8	38.5	-3.37	-206.4	172.2	3,001.7	2,961.4	40.34	74.414	
14,000.0	13,729.2	11,050.0	10,724.5	48.8	38.5	-3.33	-206.4	172.2	3,009.8	2,969.4	40.39	74.527	
14,050.0	13,734.7	11,050.0	10,724.5	48.9	38.5	-3.30	-206.4	172.2	3,014.4	2,973.9	40.47	74.481	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 — **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
14,088.1	13,736.0	11,050.0	10,724.5	49.0	38.5	-3.29	-206.4	172.2	3,015.5	2,974.9	40.56	74.338	
14,092.8	13,736.0	11,059.9	10,724.8	49.0	38.5	-3.37	-216.0	174.8	3,015.4	2,974.8	40.60	74.276	
14,100.0	13,736.0	11,061.0	10,724.8	49.0	38.5	-3.38	-217.0	175.1	3,015.4	2,974.8	40.62	74.237	
14,200.0	13,736.0	11,089.5	10,725.0	49.2	38.6	-3.62	-244.5	182.6	3,016.9	2,975.9	41.01	73.562	
14,300.0	13,736.0	11,191.7	10,725.0	49.4	38.9	-4.31	-343.7	207.2	3,019.4	2,977.8	41.56	72.660	
14,400.0	13,736.0	11,297.3	10,725.0	49.7	39.4	-4.89	-447.1	229.0	3,021.6	2,979.5	42.14	71.696	
14,500.0	13,736.0	11,405.8	10,725.0	50.0	39.9	-5.32	-553.9	247.3	3,023.4	2,980.6	42.77	70.685	
14,546.0	13,736.0	11,456.3	10,725.0	50.1	40.1	-5.47	-604.0	254.5	3,024.0	2,980.9	43.07	70.205	
14,600.0	13,736.0	11,516.1	10,725.0	50.4	40.5	-5.60	-663.3	261.8	3,024.6	2,981.2	43.43	69.641	
14,700.0	13,736.0	11,627.5	10,725.0	50.8	41.1	-5.79	-774.2	272.1	3,025.5	2,981.4	44.13	68.564	
14,800.0	13,736.0	11,739.4	10,725.0	51.3	41.8	-5.89	-886.0	278.2	3,026.0	2,981.1	44.85	67.462	
14,900.0	13,736.0	11,848.2	10,725.0	51.8	42.5	-5.91	-994.7	280.0	3,026.1	2,980.5	45.60	66.358	
15,000.0	13,736.0	11,948.2	10,725.0	52.4	43.3	-5.91	-1,094.7	280.6	3,026.1	2,979.7	46.37	65.253	
15,100.0	13,736.0	12,048.2	10,725.0	53.0	44.0	-5.91	-1,194.7	281.3	3,026.1	2,978.9	47.19	64.129	
15,200.0	13,736.0	12,148.2	10,725.0	53.6	44.9	-5.91	-1,294.7	281.9	3,026.1	2,978.0	48.04	62.992	
15,300.0	13,736.0	12,248.2	10,725.0	54.3	45.7	-5.91	-1,394.7	282.5	3,026.1	2,977.1	48.93	61.847	
15,400.0	13,736.0	12,348.2	10,725.0	55.1	46.6	-5.91	-1,494.7	283.2	3,026.1	2,976.2	49.85	60.701	
15,500.0	13,736.0	12,448.2	10,725.0	55.9	47.6	-5.91	-1,594.7	283.8	3,026.1	2,975.3	50.81	59.557	
15,600.0	13,736.0	12,548.2	10,725.0	56.7	48.6	-5.91	-1,694.7	284.4	3,026.1	2,974.3	51.80	58.421	
15,700.0	13,736.0	12,648.2	10,725.0	57.6	49.6	-5.91	-1,794.7	285.1	3,026.1	2,973.3	52.82	57.296	
15,800.0	13,736.0	12,748.2	10,725.0	58.4	50.6	-5.91	-1,894.7	285.7	3,026.1	2,972.2	53.86	56.184	
15,900.0	13,736.0	12,848.2	10,725.0	59.4	51.7	-5.91	-1,994.7	286.3	3,026.1	2,971.1	54.93	55.088	
16,000.0	13,736.0	12,948.2	10,725.0	60.3	52.8	-5.91	-2,094.7	286.9	3,026.1	2,970.1	56.03	54.011	
16,100.0	13,736.0	13,048.2	10,725.0	61.3	54.0	-5.91	-2,194.7	287.6	3,026.1	2,968.9	57.15	52.953	
16,200.0	13,736.0	13,148.2	10,725.0	62.3	55.1	-5.91	-2,294.7	288.2	3,026.1	2,967.8	58.29	51.917	
16,300.0	13,736.0	13,248.2	10,725.0	63.4	56.3	-5.91	-2,394.7	288.8	3,026.1	2,966.6	59.45	50.903	
16,400.0	13,736.0	13,348.2	10,725.0	64.4	57.5	-5.91	-2,494.7	289.5	3,026.1	2,965.5	60.63	49.913	
16,500.0	13,736.0	13,448.2	10,725.0	65.5	58.8	-5.91	-2,594.7	290.1	3,026.1	2,964.3	61.83	48.945	
16,600.0	13,736.0	13,548.2	10,725.0	66.6	60.0	-5.91	-2,694.7	290.7	3,026.1	2,963.0	63.04	48.001	
16,700.0	13,736.0	13,648.2	10,725.0	67.8	61.3	-5.91	-2,794.7	291.4	3,026.1	2,961.8	64.27	47.081	
16,800.0	13,736.0	13,748.2	10,725.0	68.9	62.6	-5.91	-2,894.7	292.0	3,026.1	2,960.6	65.52	46.185	
16,900.0	13,736.0	13,848.2	10,725.0	70.1	63.9	-5.91	-2,994.7	292.6	3,026.1	2,959.3	66.78	45.313	
17,000.0	13,736.0	13,948.2	10,725.0	71.3	65.2	-5.91	-3,094.7	293.2	3,026.1	2,958.0	68.06	44.464	
17,100.0	13,736.0	14,048.2	10,725.0	72.5	66.6	-5.91	-3,194.7	293.9	3,026.1	2,956.7	69.35	43.637	
17,200.0	13,736.0	14,148.2	10,725.0	73.7	67.9	-5.91	-3,294.7	294.5	3,026.1	2,955.4	70.65	42.834	
17,300.0	13,736.0	14,248.2	10,725.0	75.0	69.3	-5.91	-3,394.7	295.1	3,026.1	2,954.1	71.96	42.053	
17,400.0	13,736.0	14,348.2	10,725.0	76.2	70.7	-5.91	-3,494.7	295.8	3,026.1	2,952.8	73.28	41.294	
17,500.0	13,736.0	14,448.2	10,725.0	77.5	72.0	-5.91	-3,594.7	296.4	3,026.1	2,951.5	74.62	40.556	
17,600.0	13,736.0	14,548.2	10,725.0	78.8	73.4	-5.91	-3,694.7	297.0	3,026.1	2,950.1	75.96	39.838	
17,700.0	13,736.0	14,648.2	10,725.0	80.1	74.9	-5.91	-3,794.6	297.7	3,026.1	2,948.8	77.31	39.141	
17,800.0	13,736.0	14,748.2	10,725.0	81.4	76.3	-5.91	-3,894.6	298.3	3,026.1	2,947.4	78.67	38.464	
17,900.0	13,736.0	14,848.2	10,725.0	82.8	77.7	-5.91	-3,994.6	298.9	3,026.1	2,946.0	80.04	37.805	
18,000.0	13,736.0	14,948.2	10,725.0	84.1	79.1	-5.91	-4,094.6	299.5	3,026.1	2,944.7	81.42	37.165	
18,100.0	13,736.0	15,048.2	10,725.0	85.5	80.6	-5.91	-4,194.6	300.2	3,026.1	2,943.3	82.81	36.543	
18,200.0	13,736.0	15,148.2	10,725.0	86.8	82.0	-5.91	-4,294.6	300.8	3,026.1	2,941.9	84.20	35.938	
18,300.0	13,736.0	15,248.2	10,725.0	88.2	83.5	-5.91	-4,394.6	301.4	3,026.1	2,940.5	85.60	35.350	
18,400.0	13,736.0	15,348.2	10,725.0	89.6	85.0	-5.91	-4,494.6	302.1	3,026.1	2,939.1	87.01	34.779	
18,500.0	13,736.0	15,448.2	10,725.0	91.0	86.5	-5.91	-4,594.6	302.7	3,026.1	2,937.7	88.42	34.223	
18,600.0	13,736.0	15,548.2	10,725.0	92.4	87.9	-5.91	-4,694.6	303.3	3,026.1	2,936.3	89.84	33.682	
18,700.0	13,736.0	15,648.2	10,725.0	93.8	89.4	-5.91	-4,794.6	304.0	3,026.1	2,934.8	91.27	33.156	
18,800.0	13,736.0	15,748.2	10,725.0	95.2	90.9	-5.91	-4,894.6	304.6	3,026.1	2,933.4	92.70	32.645	
18,900.0	13,736.0	15,848.2	10,725.0	96.6	92.4	-5.91	-4,994.6	305.2	3,026.1	2,932.0	94.13	32.147	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.0	13,736.0	15,948.2	10,725.0	98.0	93.9	-5.91	-5,094.6	305.8	3,026.1	2,930.5	95.58	31.662	
19,100.0	13,736.0	16,048.2	10,725.0	99.5	95.4	-5.91	-5,194.6	306.5	3,026.1	2,929.1	97.02	31.190	
19,200.0	13,736.0	16,148.2	10,725.0	100.9	96.9	-5.91	-5,294.6	307.1	3,026.1	2,927.6	98.47	30.731	
19,300.0	13,736.0	16,248.2	10,725.0	102.4	98.5	-5.91	-5,394.6	307.7	3,026.1	2,926.2	99.93	30.283	
19,400.0	13,736.0	16,348.2	10,725.0	103.8	100.0	-5.91	-5,494.6	308.4	3,026.1	2,924.7	101.39	29.848	
19,500.0	13,736.0	16,448.2	10,725.0	105.3	101.5	-5.91	-5,594.6	309.0	3,026.1	2,923.2	102.85	29.423	
19,600.0	13,736.0	16,548.2	10,725.0	106.7	103.0	-5.91	-5,694.6	309.6	3,026.1	2,921.8	104.32	29.009	
19,700.0	13,736.0	16,648.2	10,725.0	108.2	104.6	-5.91	-5,794.6	310.3	3,026.1	2,920.3	105.79	28.606	
19,800.0	13,736.0	16,748.2	10,725.0	109.7	106.1	-5.91	-5,894.6	310.9	3,026.1	2,918.8	107.26	28.213	
19,900.0	13,736.0	16,848.2	10,725.0	111.2	107.6	-5.91	-5,994.6	311.5	3,026.1	2,917.4	108.74	27.829	
20,000.0	13,736.0	16,948.2	10,725.0	112.7	109.2	-5.91	-6,094.6	312.1	3,026.1	2,915.9	110.22	27.455	
20,100.0	13,736.0	17,048.2	10,725.0	114.2	110.7	-5.91	-6,194.6	312.8	3,026.1	2,914.4	111.70	27.091	
20,200.0	13,736.0	17,148.2	10,725.0	115.7	112.3	-5.91	-6,294.6	313.4	3,026.1	2,912.9	113.19	26.735	
20,300.0	13,736.0	17,248.2	10,725.0	117.2	113.8	-5.91	-6,394.6	314.0	3,026.1	2,911.4	114.68	26.387	
20,400.0	13,736.0	17,348.2	10,725.0	118.7	115.4	-5.91	-6,494.6	314.7	3,026.1	2,909.9	116.17	26.048	
20,500.0	13,736.0	17,448.2	10,725.0	120.2	117.0	-5.91	-6,594.6	315.3	3,026.1	2,908.4	117.67	25.717	
20,600.0	13,736.0	17,548.2	10,725.0	121.7	118.5	-5.91	-6,694.6	315.9	3,026.1	2,906.9	119.17	25.394	
20,700.0	13,736.0	17,648.2	10,725.0	123.2	120.1	-5.91	-6,794.6	316.6	3,026.1	2,905.4	120.67	25.078	
20,800.0	13,736.0	17,748.2	10,725.0	124.7	121.6	-5.91	-6,894.6	317.2	3,026.1	2,903.9	122.17	24.769	
20,900.0	13,736.0	17,848.2	10,725.0	126.2	123.2	-5.91	-6,994.6	317.8	3,026.1	2,902.4	123.68	24.468	
21,000.0	13,736.0	17,948.2	10,725.0	127.8	124.8	-5.91	-7,094.6	318.4	3,026.1	2,900.9	125.19	24.173	
21,100.0	13,736.0	18,048.2	10,725.0	129.3	126.4	-5.91	-7,194.6	319.1	3,026.1	2,899.4	126.70	23.885	
21,200.0	13,736.0	18,148.2	10,725.0	130.8	127.9	-5.91	-7,294.6	319.7	3,026.1	2,897.9	128.21	23.603	
21,300.0	13,736.0	18,248.2	10,725.0	132.4	129.5	-5.91	-7,394.6	320.3	3,026.1	2,896.4	129.72	23.328	
21,400.0	13,736.0	18,348.2	10,725.0	133.9	131.1	-5.91	-7,494.6	321.0	3,026.1	2,894.9	131.24	23.058	
21,500.0	13,736.0	18,448.2	10,725.0	135.4	132.7	-5.91	-7,594.6	321.6	3,026.1	2,893.4	132.76	22.795	
21,600.0	13,736.0	18,548.2	10,725.0	137.0	134.3	-5.91	-7,694.6	322.2	3,026.1	2,891.8	134.28	22.536	
21,700.0	13,736.0	18,648.2	10,725.0	138.5	135.8	-5.91	-7,794.6	322.9	3,026.1	2,890.3	135.80	22.284	
21,800.0	13,736.0	18,748.2	10,725.0	140.1	137.4	-5.91	-7,894.6	323.5	3,026.1	2,888.8	137.32	22.037	
21,900.0	13,736.0	18,848.2	10,725.0	141.6	139.0	-5.91	-7,994.6	324.1	3,026.1	2,887.3	138.85	21.795	
22,000.0	13,736.0	18,948.2	10,725.0	143.2	140.6	-5.92	-8,094.6	324.7	3,026.1	2,885.7	140.37	21.558	
22,100.0	13,736.0	19,048.2	10,725.0	144.7	142.2	-5.92	-8,194.6	325.4	3,026.1	2,884.2	141.90	21.325	
22,200.0	13,736.0	19,148.2	10,725.0	146.3	143.8	-5.92	-8,294.6	326.0	3,026.1	2,882.7	143.43	21.098	
22,300.0	13,736.0	19,248.2	10,725.0	147.8	145.4	-5.92	-8,394.6	326.6	3,026.1	2,881.2	144.96	20.875	
22,400.0	13,736.0	19,348.2	10,725.0	149.4	147.0	-5.92	-8,494.6	327.3	3,026.1	2,879.6	146.49	20.657	
22,500.0	13,736.0	19,448.2	10,725.0	151.0	148.6	-5.92	-8,594.6	327.9	3,026.1	2,878.1	148.03	20.443	
22,600.0	13,736.0	19,548.2	10,725.0	152.5	150.2	-5.92	-8,694.6	328.5	3,026.1	2,876.6	149.56	20.233	
22,700.0	13,736.0	19,648.2	10,725.0	154.1	151.8	-5.92	-8,794.6	329.2	3,026.1	2,875.0	151.10	20.027	
22,800.0	13,736.0	19,748.2	10,725.0	155.7	153.4	-5.92	-8,894.5	329.8	3,026.1	2,873.5	152.64	19.825	
22,900.0	13,736.0	19,848.2	10,725.0	157.2	155.0	-5.92	-8,994.5	330.4	3,026.1	2,871.9	154.18	19.627	
23,000.0	13,736.0	19,948.2	10,725.0	158.8	156.6	-5.92	-9,094.5	331.0	3,026.1	2,870.4	155.72	19.433	
23,100.0	13,736.0	20,048.2	10,725.0	160.4	158.2	-5.92	-9,194.5	331.7	3,026.1	2,868.9	157.26	19.243	
23,200.0	13,736.0	20,148.2	10,725.0	162.0	159.8	-5.92	-9,294.5	332.3	3,026.1	2,867.3	158.80	19.056	
23,300.0	13,736.0	20,248.2	10,725.0	163.5	161.4	-5.92	-9,394.5	332.9	3,026.1	2,865.8	160.35	18.872	
23,400.0	13,736.0	20,348.2	10,725.0	165.1	163.0	-5.92	-9,494.5	333.6	3,026.1	2,864.2	161.89	18.692	
23,500.0	13,736.0	20,448.2	10,725.0	166.7	164.6	-5.92	-9,594.5	334.2	3,026.1	2,862.7	163.44	18.516	
23,600.0	13,736.0	20,548.2	10,725.0	168.3	166.2	-5.92	-9,694.5	334.8	3,026.1	2,861.1	164.98	18.342	
23,700.0	13,736.0	20,648.2	10,725.0	169.8	167.8	-5.92	-9,794.5	335.5	3,026.1	2,859.6	166.53	18.172	
23,800.0	13,736.0	20,748.2	10,725.0	171.4	169.4	-5.92	-9,894.5	336.1	3,026.1	2,858.0	168.08	18.004	
23,900.0	13,736.0	20,848.2	10,725.0	173.0	171.0	-5.92	-9,994.5	336.7	3,026.1	2,856.5	169.63	17.840	
24,000.0	13,736.0	20,846.3	10,725.0	174.6	171.0	-5.92	-9,992.7	336.7	3,027.8	2,857.1	170.75	17.733	
24,037.2	13,736.0	20,846.3	10,725.0	175.2	171.0	-5.92	-9,992.7	336.7	3,029.3	2,858.2	171.13	17.702	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2

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
24,037.7	13,736.0	20,846.3	10,725.0	175.2	171.0	-5.92	-9,992.7	336.7	3,029.3	2,858.3	171.00	17.716	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 182-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	-90.42	-1.7	-230.1	230.2				
100.0	100.0	96.1	96.1	0.1	0.1	-90.46	-1.8	-230.1	230.1	229.8	0.27	841.431	
200.0	200.0	196.1	196.1	0.5	0.3	-90.56	-2.2	-230.1	230.1	229.3	0.78	293.717	
203.9	203.9	200.1	200.0	0.5	0.3	-90.57	-2.3	-230.1	230.1	229.3	0.80	286.401	CC
300.0	300.0	295.7	295.7	0.8	0.7	-90.69	-2.8	-230.1	230.1	228.6	1.53	150.605	
400.0	400.0	395.2	395.2	1.2	1.0	-90.83	-3.4	-230.3	230.4	228.1	2.24	102.718	
500.0	500.0	495.0	495.0	1.6	1.4	-90.99	-4.0	-230.7	230.8	227.8	2.96	78.014	
600.0	600.0	595.0	595.0	1.9	1.8	-91.13	-4.6	-231.1	231.2	227.5	3.67	62.946	
700.0	700.0	693.7	693.7	2.3	2.1	-91.22	-4.9	-231.8	231.9	227.5	4.38	52.912	ES
800.0	800.0	792.6	792.6	2.6	2.5	-91.36	-5.5	-233.0	233.1	228.0	5.09	45.774	
900.0	900.0	891.7	891.7	3.0	2.8	-91.47	-6.0	-234.6	234.7	228.9	5.80	40.455	
1,000.0	1,000.0	991.1	991.1	3.4	3.2	-91.55	-6.4	-236.6	236.7	230.2	6.51	36.347	
1,100.0	1,100.0	1,091.1	1,091.1	3.7	3.5	-91.54	-6.4	-238.6	238.7	231.5	7.23	33.041	
1,200.0	1,200.0	1,190.7	1,190.6	4.1	3.9	-91.57	-6.6	-240.9	241.0	233.1	7.94	30.374	
1,300.0	1,300.0	1,292.3	1,292.2	4.4	4.2	-91.53	-6.5	-242.7	242.9	234.2	8.65	28.063	
1,400.0	1,400.0	1,392.1	1,392.0	4.8	4.6	-91.39	-5.9	-244.3	244.4	235.0	9.36	26.100	
1,500.0	1,500.0	1,492.7	1,492.6	5.1	4.9	-91.14	-4.9	-245.9	246.0	235.9	10.07	24.418	
1,600.0	1,600.0	1,593.5	1,593.3	5.5	5.3	-90.71	-3.1	-247.2	247.2	236.4	10.78	22.930	
1,700.0	1,700.0	1,690.2	1,690.0	5.9	5.6	-89.95	0.2	-248.8	248.9	237.4	11.47	21.690	
1,800.0	1,800.0	1,788.5	1,788.0	6.2	6.0	-88.65	5.9	-251.5	251.7	239.5	12.17	20.679	
1,900.0	1,900.0	1,887.2	1,886.5	6.6	6.3	-100.40	12.3	-254.7	255.3	242.4	12.87	19.831	
2,000.0	2,000.0	1,986.7	1,985.8	6.9	6.7	-99.62	18.3	-258.2	259.6	246.0	13.58	19.114	
2,100.0	2,099.9	2,086.4	2,085.2	7.3	7.0	-99.32	24.0	-261.8	264.3	250.0	14.29	18.494	
2,200.0	2,199.7	2,186.5	2,185.1	7.7	7.4	-99.47	29.3	-265.5	269.3	254.3	15.01	17.947	
2,300.0	2,299.4	2,286.7	2,285.1	8.0	7.7	-99.89	35.1	-269.0	274.4	258.7	15.72	17.453	
2,400.0	2,398.9	2,384.9	2,383.0	8.4	8.1	-100.60	40.8	-272.7	280.2	263.8	16.43	17.050	
2,500.0	2,498.3	2,484.8	2,482.7	8.7	8.4	-101.75	46.0	-276.7	286.6	269.5	17.16	16.705	
2,600.0	2,597.4	2,586.0	2,583.7	9.1	8.8	-103.29	50.9	-280.4	293.2	275.3	17.89	16.384	
2,700.0	2,696.4	2,687.1	2,684.7	9.5	9.2	-105.07	55.3	-283.5	299.5	280.9	18.63	16.078	
2,800.0	2,795.5	2,787.6	2,785.1	9.9	9.5	-106.89	59.0	-286.1	305.8	286.4	19.37	15.787	
2,900.0	2,894.5	2,886.8	2,884.2	10.2	9.9	-108.69	62.3	-288.3	312.0	291.9	20.10	15.524	
3,000.0	2,993.5	2,985.9	2,983.2	10.6	10.3	-110.25	66.5	-290.9	318.8	297.9	20.84	15.299	
3,100.0	3,092.5	3,087.4	3,084.5	11.0	10.6	-111.63	71.7	-293.4	325.5	303.9	21.58	15.082	
3,200.0	3,191.6	3,186.9	3,183.9	11.4	11.0	-112.90	77.0	-295.3	331.9	309.6	22.33	14.865	
3,300.0	3,290.6	3,285.1	3,281.7	11.8	11.3	-113.74	84.3	-298.0	338.7	315.7	23.07	14.685	
3,400.0	3,389.6	3,385.2	3,381.5	12.2	11.7	-114.42	92.6	-301.0	345.9	322.0	23.82	14.520	
3,500.0	3,488.6	3,486.6	3,482.6	12.6	12.1	-115.33	99.5	-303.5	352.7	328.1	24.58	14.349	
3,600.0	3,587.7	3,587.0	3,582.8	13.0	12.4	-116.27	106.0	-305.4	359.2	333.8	25.33	14.180	
3,700.0	3,686.7	3,686.2	3,681.7	13.4	12.8	-116.95	113.8	-307.6	365.7	339.6	26.08	14.022	
3,800.0	3,785.7	3,788.3	3,783.5	13.8	13.2	-117.73	121.2	-309.4	372.1	345.2	26.84	13.860	
3,900.0	3,884.8	3,889.2	3,884.2	14.1	13.6	-118.80	126.6	-310.1	378.0	350.4	27.60	13.698	
4,000.0	3,983.8	3,986.8	3,981.7	14.5	13.9	-119.89	131.2	-310.9	384.2	355.9	28.33	13.562	
4,100.0	4,082.8	4,085.3	4,080.1	14.9	14.3	-121.00	135.5	-311.8	390.9	361.9	29.07	13.447	
4,200.0	4,181.8	4,183.7	4,178.4	15.3	14.6	-122.15	139.1	-312.8	398.0	368.2	29.81	13.352	
4,300.0	4,280.9	4,281.4	4,276.0	15.8	15.0	-123.29	142.4	-314.0	405.6	375.0	30.54	13.280	
4,400.0	4,379.9	4,379.2	4,373.5	16.2	15.3	-123.81	149.4	-317.1	413.8	382.5	31.29	13.227	
4,500.0	4,478.9	4,479.5	4,473.3	16.6	15.7	-124.01	158.7	-321.2	422.1	390.0	32.05	13.168	
4,600.0	4,577.9	4,579.7	4,573.0	17.0	16.1	-124.19	168.1	-325.3	430.3	397.4	32.82	13.109	
4,700.0	4,677.0	4,679.6	4,672.4	17.4	16.5	-124.35	177.6	-329.1	438.2	404.7	33.59	13.046	
4,732.6	4,709.2	4,711.6	4,704.2	17.5	16.6	-124.41	180.6	-330.4	440.9	407.0	33.84	13.029	
4,800.0	4,776.1	4,778.9	4,771.2	17.8	16.8	-124.54	186.8	-333.0	446.1	411.7	34.35	12.984	
4,900.0	4,875.5	4,879.1	4,870.8	18.2	17.2	-124.49	196.0	-336.8	452.4	417.3	35.12	12.882	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 182-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,975.1	4,977.7	4,969.0	18.5	17.6	-124.16	205.1	-340.7	457.3	421.4	35.87	12.750	
5,100.0	5,075.0	5,076.0	5,066.8	18.9	18.0	-123.59	213.7	-344.7	461.2	424.6	36.61	12.598	
5,200.0	5,174.9	5,175.7	5,166.1	19.3	18.3	-122.82	221.8	-348.8	463.8	426.5	37.34	12.421	
5,265.9	5,240.8	5,242.0	5,232.1	19.5	18.6	-109.16	227.2	-351.4	464.8	427.0	37.83	12.288	
5,300.0	5,274.9	5,276.4	5,266.4	19.6	18.7	-108.78	230.0	-352.7	465.2	427.1	38.08	12.216	
5,400.0	5,374.9	5,375.1	5,364.7	19.9	19.1	-107.69	238.1	-356.5	466.3	427.5	38.80	12.016	
5,500.0	5,474.9	5,474.0	5,463.2	20.3	19.5	-106.61	246.1	-360.5	467.8	428.3	39.53	11.835	
5,600.0	5,574.9	5,573.3	5,562.1	20.6	19.8	-105.54	254.0	-364.7	469.6	429.3	40.25	11.666	
5,700.0	5,674.9	5,674.6	5,663.0	21.0	20.2	-104.48	261.9	-368.7	471.4	430.4	40.99	11.501	
5,800.0	5,774.9	5,773.2	5,761.2	21.3	20.6	-103.45	269.7	-372.5	473.2	431.5	41.71	11.347	
5,900.0	5,874.9	5,870.8	5,858.4	21.6	21.0	-102.49	276.9	-376.5	475.6	433.1	42.42	11.212	
6,000.0	5,974.9	5,970.7	5,958.0	22.0	21.3	-101.56	283.9	-380.7	478.2	435.1	43.14	11.086	
6,100.0	6,074.9	6,069.5	6,056.5	22.3	21.7	-100.67	290.7	-384.9	481.1	437.2	43.85	10.970	
6,200.0	6,174.9	6,171.6	6,158.2	22.7	22.1	-99.80	297.4	-389.0	483.9	439.3	44.59	10.852	
6,300.0	6,274.9	6,269.6	6,256.0	23.0	22.5	-98.99	303.7	-392.9	486.8	441.5	45.30	10.746	
6,400.0	6,374.9	6,367.4	6,353.5	23.4	22.8	-98.20	309.8	-397.1	490.1	444.1	46.00	10.655	
6,500.0	6,474.9	6,469.6	6,455.5	23.7	23.2	-97.47	315.6	-401.4	493.5	446.7	46.73	10.559	
6,600.0	6,574.9	6,570.9	6,556.6	24.1	23.6	-96.75	321.4	-405.1	496.4	449.0	47.46	10.460	
6,700.0	6,674.9	6,670.4	6,655.8	24.4	24.0	-96.06	327.0	-408.7	499.4	451.2	48.17	10.366	
6,800.0	6,774.9	6,770.2	6,755.4	24.7	24.3	-95.42	332.3	-412.4	502.5	453.6	48.88	10.279	
6,900.0	6,874.9	6,870.5	6,855.5	25.1	24.7	-94.86	336.9	-415.8	505.5	455.9	49.60	10.191	
7,000.0	6,974.9	6,969.2	6,954.1	25.4	25.1	-94.37	341.0	-419.3	508.7	458.4	50.30	10.112	
7,100.0	7,074.9	7,070.0	7,054.8	25.8	25.4	-93.96	344.4	-422.8	512.0	460.9	51.02	10.035	
7,200.0	7,174.9	7,171.7	7,156.3	26.1	25.8	-93.61	347.3	-426.0	514.9	463.2	51.73	9.954	
7,300.0	7,274.9	7,273.2	7,257.8	26.5	26.1	-93.33	349.7	-428.9	517.6	465.2	52.45	9.869	
7,400.0	7,374.9	7,371.9	7,356.5	26.8	26.5	-93.06	352.0	-431.6	520.2	467.1	53.14	9.789	
7,500.0	7,474.9	7,475.5	7,460.0	27.2	26.9	-92.83	354.0	-434.3	522.8	468.9	53.87	9.704	
7,600.0	7,574.9	7,573.1	7,557.6	27.5	27.2	-92.64	355.6	-436.6	525.0	470.4	54.56	9.623	
7,700.0	7,674.9	7,676.8	7,661.3	27.9	27.6	-92.50	356.7	-439.0	527.2	472.0	55.28	9.538	
7,800.0	7,774.9	7,774.1	7,758.5	28.2	27.9	-92.42	357.4	-441.1	529.4	473.4	55.96	9.459	
7,900.0	7,874.9	7,878.1	7,862.5	28.6	28.3	-92.35	358.0	-443.1	531.3	474.6	56.68	9.373	
8,000.0	7,974.9	7,977.9	7,962.3	28.9	28.6	-92.34	358.0	-444.7	532.9	475.5	57.38	9.287	
8,100.0	8,074.9	8,076.3	8,060.7	29.3	29.0	-92.33	358.0	-446.5	534.7	476.6	58.07	9.208	
8,200.0	8,174.9	8,175.8	8,160.1	29.6	29.3	-92.34	357.9	-448.4	536.6	477.8	58.76	9.132	
8,300.0	8,274.9	8,274.2	8,258.5	30.0	29.7	-92.36	357.6	-450.5	538.8	479.3	59.45	9.063	
8,400.0	8,374.9	8,377.1	8,361.4	30.3	30.0	-92.33	357.8	-452.8	541.0	480.9	60.16	8.993	
8,500.0	8,474.9	8,480.6	8,464.9	30.7	30.4	-92.20	358.9	-454.1	542.2	481.3	60.88	8.906	
8,600.0	8,574.9	8,576.0	8,560.3	31.0	30.7	-92.08	360.0	-455.5	543.6	482.1	61.57	8.830	
8,700.0	8,674.9	8,671.6	8,655.8	31.4	31.1	-91.95	361.2	-457.9	546.1	483.8	62.25	8.773	
8,800.0	8,774.9	8,770.5	8,754.7	31.7	31.4	-91.90	361.6	-460.8	549.0	486.1	62.94	8.723	
8,900.0	8,874.9	8,879.2	8,863.3	32.1	31.8	-91.78	362.6	-463.5	551.5	487.8	63.69	8.659	
9,000.0	8,974.9	8,981.1	8,965.2	32.4	32.2	-91.62	364.1	-464.5	552.4	488.0	64.40	8.578	
9,100.0	9,074.9	9,077.9	9,062.0	32.8	32.5	-91.59	364.4	-465.8	553.7	488.6	65.09	8.507	
9,200.0	9,174.9	9,174.8	9,158.8	33.1	32.8	-91.63	364.0	-467.6	555.6	489.9	65.77	8.448	
9,300.0	9,274.9	9,273.0	9,257.1	33.5	33.2	-91.72	363.0	-469.9	558.0	491.5	66.46	8.396	
9,400.0	9,374.9	9,368.7	9,352.7	33.8	33.5	-91.83	361.9	-472.6	560.8	493.7	67.13	8.354	
9,500.0	9,474.9	9,471.4	9,455.4	34.2	33.8	-91.97	360.3	-475.7	563.9	496.1	67.84	8.312	
9,600.0	9,574.9	9,574.0	9,557.9	34.5	34.2	-92.11	358.9	-478.2	566.4	497.9	68.55	8.264	
9,700.0	9,674.9	9,684.7	9,668.6	34.9	34.6	-92.36	356.4	-479.8	567.9	498.7	69.28	8.198	
9,800.0	9,774.9	9,797.4	9,781.2	35.3	34.9	-92.39	356.1	-478.5	566.8	496.8	69.98	8.099	
9,900.0	9,874.9	9,897.0	9,880.8	35.6	35.3	-92.25	357.6	-476.8	565.0	494.4	70.67	7.995	
10,000.0	9,974.9	9,992.1	9,975.9	36.0	35.6	-92.16	358.5	-475.4	563.5	492.1	71.36	7.896	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 182-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
10,049.2	10,024.1	10,036.3	10,020.1	36.1	35.7	-92.11	359.0	-475.2	563.3	491.6	71.69	7.857	
10,100.0	10,074.9	10,084.8	10,068.6	36.3	35.9	-92.05	359.6	-475.3	563.4	491.3	72.04	7.820	
10,200.0	10,174.9	10,187.1	10,170.9	36.7	36.3	-91.96	360.4	-475.9	563.9	491.1	72.75	7.751	
10,300.0	10,274.9	10,288.5	10,272.3	37.0	36.6	-91.98	360.3	-475.5	563.5	490.0	73.44	7.672	
10,400.0	10,374.9	10,388.8	10,372.5	37.4	36.9	-92.09	359.2	-475.3	563.3	489.2	74.13	7.600	
10,500.0	10,474.9	10,487.9	10,471.7	37.7	37.3	-92.27	357.5	-474.9	563.0	488.2	74.80	7.526	
10,529.9	10,504.8	10,517.1	10,500.8	37.8	37.3	-92.32	356.9	-474.9	563.0	488.0	75.01	7.506	
10,600.0	10,574.9	10,584.5	10,568.3	38.1	37.6	-92.46	355.6	-475.0	563.1	487.7	75.48	7.461	
10,700.0	10,674.9	10,681.0	10,664.7	38.4	37.9	-92.69	353.3	-475.6	563.9	487.8	76.15	7.406	
10,800.0	10,774.9	10,780.0	10,763.7	38.8	38.2	-92.91	351.1	-476.8	565.2	488.4	76.84	7.356	
10,900.0	10,874.9	10,948.6	10,930.8	39.1	38.7	-94.61	334.8	-469.2	561.8	484.5	77.31	7.267	
11,000.0	10,974.9	11,083.4	11,055.1	39.5	39.0	-99.63	289.1	-446.4	548.2	470.6	77.61	7.063	
11,100.0	11,074.9	11,181.1	11,134.8	39.8	39.2	-105.52	237.8	-423.2	534.0	455.5	78.48	6.804	
11,200.0	11,174.9	11,271.4	11,201.8	40.2	39.4	-112.08	182.8	-397.9	524.9	445.6	79.35	6.615	
11,245.9	11,220.8	11,308.7	11,227.7	40.4	39.5	-115.01	158.7	-386.3	523.1	443.4	79.66	6.567	SF
11,300.0	11,274.9	11,325.3	11,238.7	40.6	39.5	-116.37	147.2	-381.4	524.5	444.8	79.72	6.580	
11,400.0	11,374.9	11,365.1	11,264.0	40.9	39.6	-119.70	118.8	-370.0	537.5	458.7	78.84	6.818	
11,500.0	11,474.9	11,385.0	11,276.0	41.3	39.6	-121.39	103.9	-364.5	564.4	488.1	76.36	7.391	
11,600.0	11,574.9	11,423.6	11,297.7	41.6	39.7	-124.69	73.5	-354.9	603.5	530.0	73.58	8.203	
11,700.0	11,674.9	11,446.0	11,309.3	42.0	39.7	-126.59	54.9	-349.9	654.0	583.9	70.05	9.336	
11,800.0	11,774.9	11,480.0	11,325.3	42.3	39.8	-129.41	25.7	-343.2	713.8	646.8	67.00	10.655	
11,900.0	11,874.9	11,480.0	11,325.3	42.7	39.8	-129.41	25.7	-343.2	780.2	717.1	63.11	12.362	
12,000.0	11,974.9	11,498.2	11,333.1	43.0	39.8	-130.88	9.5	-340.0	852.6	792.3	60.27	14.146	
12,100.0	12,074.9	11,512.0	11,338.6	43.4	39.8	-131.96	-3.0	-337.9	929.5	871.7	57.72	16.103	
12,200.0	12,174.9	11,528.0	11,344.6	43.7	39.9	-133.18	-17.6	-335.7	1,009.9	954.3	55.65	18.147	
12,300.0	12,274.9	11,528.0	11,344.6	44.1	39.9	-133.18	-17.6	-335.7	1,093.2	1,039.7	53.50	20.434	
12,400.0	12,374.9	11,528.0	11,344.6	44.5	39.9	-133.18	-17.6	-335.7	1,179.2	1,127.5	51.72	22.797	
12,500.0	12,474.9	11,564.4	11,356.9	44.8	39.9	-135.87	-51.5	-330.8	1,265.8	1,214.7	51.11	24.763	
12,600.0	12,574.9	11,575.4	11,360.2	45.2	40.0	-136.65	-61.9	-329.2	1,354.5	1,304.4	50.09	27.040	
12,700.0	12,674.9	11,585.4	11,363.1	45.5	40.0	-137.36	-71.3	-327.8	1,444.5	1,395.2	49.24	29.333	
12,800.0	12,774.9	11,622.0	11,372.4	45.9	40.0	-139.86	-106.3	-322.2	1,536.3	1,487.2	49.07	31.311	
12,900.0	12,874.9	11,622.0	11,372.4	46.2	40.0	-139.86	-106.3	-322.2	1,627.8	1,579.5	48.31	33.693	
13,000.0	12,974.9	11,622.0	11,372.4	46.6	40.0	-139.86	-106.3	-322.2	1,720.3	1,672.6	47.71	36.058	
13,100.0	13,074.9	11,622.0	11,372.4	46.9	40.0	-139.86	-106.3	-322.2	1,813.6	1,766.4	47.23	38.398	
13,188.1	13,163.0	11,622.0	11,372.4	47.2	40.0	-139.86	-106.3	-322.2	1,896.4	1,849.5	46.90	40.433	
13,200.0	13,174.9	11,622.0	11,372.4	47.3	40.0	29.68	-106.3	-322.2	1,907.6	1,860.7	46.86	40.708	
13,250.0	13,224.8	11,622.0	11,372.4	47.4	40.0	24.20	-106.3	-322.2	1,953.8	1,907.1	46.66	41.875	
13,300.0	13,274.2	11,622.0	11,372.4	47.6	40.0	20.38	-106.3	-322.2	1,998.6	1,952.2	46.42	43.054	
13,350.0	13,322.8	11,646.1	11,377.7	47.7	40.1	16.95	-129.5	-318.8	2,041.3	1,994.9	46.46	43.942	
13,400.0	13,370.1	11,656.2	11,379.9	47.8	40.1	14.77	-139.3	-317.5	2,082.2	2,036.0	46.28	44.995	
13,450.0	13,415.9	11,667.6	11,382.2	48.0	40.1	13.08	-150.4	-316.2	2,120.9	2,074.8	46.09	46.019	
13,500.0	13,459.7	11,680.1	11,384.8	48.1	40.2	11.76	-162.6	-315.0	2,157.1	2,111.2	45.89	47.005	
13,550.0	13,501.3	11,714.0	11,391.3	48.2	40.3	10.47	-195.8	-312.5	2,190.8	2,144.9	45.92	47.706	
13,600.0	13,540.3	11,714.0	11,391.3	48.3	40.3	9.80	-195.8	-312.5	2,221.3	2,175.8	45.55	48.771	
13,650.0	13,576.5	11,714.0	11,391.3	48.3	40.3	9.25	-195.8	-312.5	2,249.0	2,203.8	45.18	49.780	
13,700.0	13,609.5	11,741.0	11,396.0	48.4	40.3	8.59	-222.3	-311.1	2,273.4	2,228.4	45.09	50.417	
13,750.0	13,639.1	11,758.4	11,398.8	48.5	40.4	8.13	-239.4	-310.5	2,294.7	2,249.8	44.91	51.099	
13,800.0	13,665.0	11,776.3	11,401.5	48.6	40.4	7.76	-257.2	-309.9	2,312.5	2,267.7	44.73	51.700	
13,850.0	13,687.2	11,806.0	11,405.6	48.6	40.5	7.40	-286.6	-309.3	2,326.9	2,282.2	44.66	52.104	
13,900.0	13,705.4	11,806.0	11,405.6	48.7	40.5	7.26	-286.6	-309.3	2,337.6	2,293.3	44.36	52.696	
13,950.0	13,719.4	11,806.0	11,405.6	48.8	40.5	7.16	-286.6	-309.3	2,345.1	2,301.0	44.11	53.162	
14,000.0	13,729.2	11,843.8	11,409.8	48.8	40.6	6.96	-324.1	-309.1	2,348.5	2,304.3	44.14	53.208	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 182-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
14,050.0	13,734.7	11,859.7	11,411.3	48.9	40.7	6.90	-340.0	-309.1	2,348.5	2,304.5	44.04	53.322	
14,088.1	13,736.0	11,871.9	11,412.2	49.0	40.7	6.89	-352.1	-309.1	2,346.1	2,302.1	43.99	53.328	
14,100.0	13,736.0	11,901.0	11,413.9	49.0	40.8	6.81	-381.2	-309.5	2,345.5	2,301.4	44.11	53.179	
14,200.0	13,736.0	11,918.6	11,414.7	49.2	40.9	6.92	-398.7	-309.7	2,338.1	2,294.1	44.02	53.110	
14,300.0	13,736.0	11,996.0	11,418.1	49.4	41.1	6.89	-476.1	-311.3	2,332.9	2,288.6	44.30	52.663	
14,400.0	13,736.0	12,056.6	11,419.9	49.7	41.4	6.90	-536.7	-312.7	2,329.5	2,284.8	44.63	52.192	
14,500.0	13,736.0	12,116.3	11,420.6	50.0	41.6	6.92	-596.3	-314.3	2,328.3	2,283.3	45.07	51.659	
14,505.2	13,736.0	12,119.7	11,420.6	50.0	41.7	6.93	-599.7	-314.4	2,328.3	2,283.2	45.10	51.628	
14,546.0	13,736.0	12,146.2	11,420.6	50.1	41.8	6.94	-626.2	-315.1	2,328.5	2,283.2	45.31	51.387	
14,600.0	13,736.0	12,186.0	11,420.3	50.4	42.0	6.98	-666.0	-316.4	2,329.2	2,283.5	45.62	51.058	
14,700.0	13,736.0	12,335.0	11,420.1	50.8	42.8	7.09	-814.9	-320.2	2,329.8	2,283.5	46.29	50.327	
14,800.0	13,736.0	12,432.6	11,421.3	51.3	43.4	7.14	-912.5	-321.6	2,328.7	2,281.8	46.96	49.594	
14,853.4	13,736.0	12,472.0	11,421.5	51.5	43.6	7.16	-951.9	-322.0	2,328.6	2,281.3	47.31	49.222	
14,900.0	13,736.0	12,508.8	11,421.5	51.8	43.9	7.18	-988.7	-322.4	2,328.7	2,281.0	47.63	48.891	
15,000.0	13,736.0	12,642.9	11,421.4	52.4	44.8	7.24	-1,122.7	-324.2	2,329.2	2,280.8	48.44	48.087	
15,100.0	13,736.0	12,732.5	11,422.6	53.0	45.5	7.27	-1,212.4	-324.6	2,328.1	2,278.9	49.21	47.309	
15,200.0	13,736.0	12,865.0	11,424.2	53.6	46.6	7.28	-1,344.8	-324.0	2,327.0	2,276.9	50.10	46.442	
15,300.0	13,736.0	12,929.3	11,424.9	54.3	47.1	7.27	-1,409.1	-323.0	2,325.7	2,274.9	50.89	45.705	
15,332.2	13,736.0	12,951.0	11,425.0	54.6	47.3	7.26	-1,430.8	-322.8	2,325.7	2,274.5	51.15	45.465	
15,400.0	13,736.0	13,009.9	11,424.8	55.1	47.8	7.26	-1,489.7	-322.1	2,325.8	2,274.1	51.74	44.948	
15,500.0	13,736.0	13,169.4	11,426.0	55.9	49.4	7.17	-1,649.1	-317.3	2,324.7	2,271.9	52.76	44.058	
15,600.0	13,736.0	13,233.0	11,426.8	56.7	50.0	7.11	-1,712.7	-314.7	2,323.1	2,269.5	53.62	43.325	
15,652.2	13,736.0	13,271.0	11,426.8	57.1	50.4	7.08	-1,750.6	-313.2	2,322.9	2,268.8	54.10	42.938	
15,700.0	13,736.0	13,299.0	11,426.6	57.6	50.6	7.06	-1,778.6	-312.0	2,323.1	2,268.5	54.53	42.601	
15,800.0	13,736.0	13,367.8	11,425.2	58.4	51.4	7.01	-1,847.3	-309.6	2,324.7	2,269.2	55.49	41.897	
15,900.0	13,736.0	13,505.4	11,422.2	59.4	52.8	6.97	-1,984.9	-307.7	2,327.0	2,270.4	56.56	41.140	
16,000.0	13,736.0	13,589.2	11,421.6	60.3	53.7	6.96	-2,068.7	-306.6	2,327.7	2,270.1	57.60	40.413	
16,100.0	13,736.0	13,746.6	11,421.3	61.3	55.5	6.95	-2,226.1	-305.5	2,328.0	2,269.2	58.80	39.591	
16,200.0	13,736.0	13,831.6	11,422.3	62.3	56.5	6.94	-2,311.1	-304.2	2,326.7	2,266.9	59.88	38.858	
16,226.6	13,736.0	13,845.5	11,422.3	62.6	56.7	6.93	-2,325.0	-304.0	2,326.7	2,266.5	60.15	38.679	
16,300.0	13,736.0	13,899.0	11,421.7	63.4	57.3	6.93	-2,378.5	-303.6	2,327.3	2,266.4	60.95	38.185	
16,400.0	13,736.0	14,118.5	11,424.4	64.4	59.9	7.11	-2,597.8	-309.3	2,327.6	2,265.1	62.49	37.250	
16,500.0	13,736.0	14,201.3	11,428.1	65.5	60.9	7.20	-2,680.5	-312.1	2,323.6	2,260.0	63.65	36.504	
16,600.0	13,736.0	14,272.5	11,430.6	66.6	61.8	7.30	-2,751.6	-315.1	2,320.7	2,255.9	64.81	35.807	
16,700.0	13,736.0	14,390.9	11,434.5	67.8	63.3	7.47	-2,869.8	-320.8	2,318.2	2,252.0	66.16	35.040	
16,800.0	13,736.0	14,459.3	11,436.5	68.9	64.2	7.57	-2,938.1	-324.2	2,315.9	2,248.6	67.36	34.384	
16,900.0	13,736.0	14,563.4	11,439.2	70.1	65.5	7.73	-3,042.0	-329.8	2,314.2	2,245.5	68.70	33.688	
17,000.0	13,736.0	14,661.0	11,442.4	71.3	66.8	7.89	-3,139.3	-335.5	2,311.9	2,241.8	70.04	33.008	
17,080.6	13,736.0	14,701.0	11,443.3	72.3	67.3	7.97	-3,179.3	-338.0	2,310.9	2,239.9	71.01	32.542	
17,100.0	13,736.0	14,708.3	11,443.4	72.5	67.4	7.98	-3,186.5	-338.5	2,311.0	2,239.7	71.24	32.439	
17,200.0	13,736.0	14,756.0	11,442.8	73.7	68.1	8.06	-3,234.1	-341.8	2,312.9	2,240.4	72.48	31.913	
17,300.0	13,736.0	14,853.1	11,440.2	75.0	69.4	8.18	-3,331.1	-346.3	2,316.4	2,242.5	73.84	31.371	
17,400.0	13,736.0	15,019.0	11,438.8	76.2	71.6	8.20	-3,496.9	-346.2	2,316.9	2,241.6	75.30	30.767	
17,500.0	13,736.0	15,100.9	11,438.4	77.5	72.7	8.19	-3,578.9	-345.5	2,317.3	2,240.7	76.59	30.254	
17,600.0	13,736.0	15,205.6	11,437.4	78.8	74.2	8.19	-3,683.5	-344.9	2,318.3	2,240.3	77.94	29.743	
17,700.0	13,736.0	15,347.8	11,438.0	80.1	76.2	8.21	-3,825.7	-344.6	2,317.9	2,238.5	79.41	29.190	
17,800.0	13,736.0	15,422.0	11,438.6	81.4	77.2	8.18	-3,899.9	-343.0	2,316.9	2,236.2	80.70	28.712	
17,832.3	13,736.0	15,453.1	11,438.7	81.9	77.7	8.16	-3,931.0	-342.0	2,316.8	2,235.7	81.12	28.558	
17,900.0	13,736.0	15,492.0	11,438.3	82.8	78.2	8.14	-3,969.9	-341.1	2,317.2	2,235.2	81.98	28.267	
18,000.0	13,736.0	15,622.4	11,436.6	84.1	80.1	8.09	-4,100.2	-338.5	2,318.5	2,235.1	83.40	27.801	
18,100.0	13,736.0	15,749.8	11,437.5	85.5	81.9	8.03	-4,227.5	-334.9	2,317.4	2,232.6	84.81	27.323	
18,200.0	13,736.0	15,844.3	11,438.3	86.8	83.3	8.00	-4,322.0	-332.9	2,316.4	2,230.2	86.18	26.879	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 182-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
18,300.0	13,736.0	18,300.0	11,441.0	88.2	119.2	7.94	-4,463.8	-329.5	2,314.1	2,209.4	104.69	22.103	
18,400.0	13,736.0	16,057.5	11,442.9	89.6	86.4	7.90	-4,535.1	-327.0	2,311.3	2,222.3	88.97	25.979	
18,498.5	13,736.0	16,119.5	11,443.0	90.9	87.3	7.86	-4,597.1	-324.8	2,310.7	2,220.4	90.25	25.603	
18,500.0	13,736.0	16,120.8	11,443.0	91.0	87.3	7.86	-4,598.3	-324.8	2,310.7	2,220.4	90.27	25.598	
18,500.1	13,736.0	16,120.8	11,443.0	91.0	87.3	7.86	-4,598.4	-324.8	2,310.7	2,220.4	90.27	25.597	
18,600.0	13,736.0	16,183.0	11,442.7	92.4	88.2	7.84	-4,660.5	-323.8	2,311.2	2,219.6	91.59	25.233	
18,700.0	13,736.0	16,240.4	11,441.6	93.8	89.1	7.85	-4,718.0	-323.9	2,313.4	2,220.5	92.92	24.896	
18,800.0	13,736.0	16,295.5	11,439.2	95.2	89.9	7.87	-4,773.0	-324.8	2,318.0	2,223.8	94.25	24.594	
18,900.0	13,736.0	16,405.2	11,433.6	96.6	91.5	7.92	-4,882.5	-326.9	2,323.5	2,227.7	95.74	24.267	
19,000.0	13,736.0	16,525.1	11,428.8	98.0	93.3	7.97	-5,002.2	-328.9	2,327.7	2,230.4	97.27	23.930	
19,100.0	13,736.0	16,613.6	11,425.4	99.5	94.6	8.04	-5,090.7	-331.9	2,332.0	2,233.3	98.74	23.618	
19,200.0	13,736.0	16,728.1	11,420.0	100.9	96.3	8.01	-5,205.0	-330.7	2,336.7	2,236.4	100.21	23.318	
19,300.0	13,736.0	19,300.0	11,414.6	102.4	135.4	7.86	-5,380.2	-323.9	2,339.4	2,219.6	119.84	19.522	
19,400.0	13,736.0	17,084.0	11,415.0	103.8	101.7	7.55	-5,560.2	-310.1	2,338.1	2,234.9	103.19	22.659	
19,500.0	13,736.0	17,236.4	11,420.1	105.3	104.1	7.39	-5,712.2	-301.8	2,334.0	2,229.3	104.65	22.303	
19,600.0	13,736.0	17,300.1	11,422.4	106.7	105.1	7.35	-5,775.8	-299.4	2,330.0	2,224.0	106.02	21.977	
19,700.0	13,736.0	17,354.8	11,423.7	108.2	105.9	7.34	-5,830.5	-298.6	2,327.5	2,220.1	107.39	21.673	
19,761.5	13,736.0	17,384.3	11,424.0	109.1	106.3	7.35	-5,860.0	-298.6	2,327.1	2,218.9	108.23	21.502	
19,800.0	13,736.0	17,418.0	11,423.7	109.7	106.9	7.35	-5,893.7	-298.8	2,327.4	2,218.6	108.79	21.393	
19,900.0	13,736.0	17,504.8	11,422.8	111.2	108.2	7.36	-5,980.5	-298.6	2,328.5	2,218.2	110.24	21.121	
20,000.0	13,736.0	17,584.6	11,421.7	112.7	109.4	7.33	-6,060.3	-296.9	2,329.6	2,217.9	111.65	20.865	
20,100.0	13,736.0	17,670.7	11,419.8	114.2	110.8	7.28	-6,146.3	-294.7	2,331.6	2,218.5	113.06	20.622	
20,200.0	13,736.0	17,867.4	11,419.0	115.7	113.8	7.12	-6,342.9	-287.1	2,331.4	2,216.8	114.67	20.331	
20,300.0	13,736.0	17,931.9	11,419.6	117.2	114.8	7.06	-6,407.3	-284.1	2,330.0	2,214.0	116.04	20.080	
20,317.6	13,736.0	17,940.6	11,419.6	117.4	114.9	7.06	-6,415.9	-283.8	2,330.0	2,213.7	116.28	20.038	
20,400.0	13,736.0	17,989.0	11,419.0	118.7	115.7	7.03	-6,464.3	-282.6	2,330.8	2,213.4	117.40	19.853	
20,500.0	13,736.0	18,060.4	11,417.2	120.2	116.8	7.01	-6,535.7	-281.5	2,333.1	2,214.3	118.80	19.639	
20,600.0	13,736.0	18,149.2	11,414.4	121.7	118.2	6.97	-6,624.4	-279.8	2,336.0	2,215.8	120.24	19.429	
20,700.0	13,736.0	18,295.8	11,410.4	123.2	120.5	6.86	-6,770.8	-274.6	2,338.4	2,216.7	121.78	19.202	
20,800.0	13,736.0	18,401.6	11,409.2	124.7	122.1	6.79	-6,876.6	-271.3	2,339.3	2,216.1	123.25	18.981	
20,900.0	13,736.0	18,560.0	11,408.8	126.2	124.6	6.69	-7,034.9	-266.4	2,339.4	2,214.6	124.82	18.743	
21,000.0	13,736.0	18,628.3	11,409.6	127.8	125.7	6.63	-7,103.1	-263.1	2,338.0	2,211.8	126.20	18.526	
21,009.7	13,736.0	18,633.1	11,409.6	127.9	125.8	6.62	-7,107.9	-262.9	2,338.0	2,211.6	126.33	18.507	
21,100.0	13,736.0	18,727.7	11,409.1	129.3	127.3	6.58	-7,202.5	-260.8	2,338.4	2,210.7	127.68	18.315	
21,171.3	13,736.0	18,794.7	11,409.3	130.4	128.3	6.59	-7,269.5	-260.7	2,338.2	2,209.4	128.75	18.160	
21,200.0	13,736.0	18,817.2	11,409.3	130.8	128.7	6.60	-7,292.0	-260.8	2,338.2	2,209.0	129.17	18.101	
21,300.0	13,736.0	18,892.6	11,408.8	132.4	129.8	6.62	-7,367.4	-261.4	2,339.0	2,208.3	130.64	17.904	
21,400.0	13,736.0	19,005.0	11,407.2	133.9	131.6	6.65	-7,479.8	-261.9	2,340.6	2,208.3	132.21	17.703	
21,500.0	13,736.0	19,089.0	11,406.7	135.4	132.9	6.65	-7,563.8	-261.6	2,341.3	2,207.6	133.69	17.513	
21,600.0	13,736.0	19,185.7	11,404.9	137.0	134.4	6.68	-7,660.5	-262.2	2,343.3	2,208.1	135.22	17.330	
21,700.0	13,736.0	19,300.2	11,403.5	138.5	136.2	6.66	-7,775.0	-260.8	2,344.4	2,207.6	136.76	17.142	
21,800.0	13,736.0	19,411.4	11,402.3	140.1	138.0	6.59	-7,886.1	-257.4	2,345.2	2,206.9	138.26	16.963	
21,900.0	13,736.0	19,502.7	11,401.2	141.6	139.5	6.47	-7,977.2	-252.3	2,345.9	2,206.2	139.66	16.797	
22,000.0	13,736.0	19,603.6	11,400.0	143.2	141.1	6.42	-8,078.1	-249.4	2,346.8	2,205.6	141.14	16.627	
22,100.0	13,736.0	19,663.8	11,399.2	144.7	142.0	6.45	-8,138.2	-250.6	2,348.4	2,205.9	142.58	16.472	
22,200.0	13,736.0	19,773.3	11,396.3	146.3	143.7	6.53	-8,247.7	-253.7	2,351.5	2,207.3	144.21	16.306	
22,300.0	13,736.0	19,866.1	11,394.9	147.8	145.2	6.63	-8,340.4	-257.1	2,353.5	2,207.7	145.80	16.143	
22,400.0	13,736.0	19,931.2	11,393.4	149.4	146.2	6.72	-8,405.4	-260.6	2,356.6	2,209.3	147.29	16.000	
22,500.0	13,736.0	19,996.7	11,390.7	151.0	147.2	6.82	-8,470.7	-264.7	2,361.5	2,212.7	148.77	15.873	
22,600.0	13,736.0	20,217.5	11,387.0	152.5	150.7	7.11	-8,691.2	-276.1	2,363.2	2,212.2	151.03	15.648	
22,700.0	13,736.0	20,401.5	11,390.3	154.1	153.6	7.26	-8,875.0	-280.7	2,361.9	2,209.0	152.88	15.449	
22,800.0	13,736.0	20,605.6	11,400.9	155.7	156.9	7.35	-9,078.8	-281.5	2,357.3	2,202.8	154.55	15.253	

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

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 182-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,900.0	13,736.0	20,681.8	11,406.8	157.2	158.1	7.36	-9,154.8	-281.0	2,349.8	2,193.7	156.12	15.051	
23,000.0	13,736.0	20,727.9	11,409.3	158.8	158.8	7.38	-9,200.8	-280.9	2,344.3	2,186.6	157.67	14.868	
23,100.0	13,736.0	20,783.2	11,411.2	160.4	159.7	7.39	-9,256.0	-280.8	2,340.9	2,181.8	159.19	14.705	
23,200.0	13,736.0	20,845.0	11,412.3	162.0	160.7	7.40	-9,317.8	-280.7	2,339.3	2,178.6	160.69	14.558	
23,244.7	13,736.0	20,870.3	11,412.4	162.7	161.1	7.40	-9,343.1	-280.8	2,339.1	2,177.7	161.34	14.497	
23,300.0	13,736.0	20,899.7	11,412.3	163.5	161.6	7.41	-9,372.5	-280.9	2,339.4	2,177.2	162.14	14.428	
23,400.0	13,736.0	20,967.0	11,411.0	165.1	162.7	7.43	-9,439.8	-281.3	2,341.4	2,177.8	163.60	14.311	
23,500.0	13,736.0	21,173.9	11,409.5	166.7	166.0	7.29	-9,646.5	-274.6	2,341.9	2,176.7	165.28	14.169	
23,600.0	13,736.0	21,262.5	11,410.4	168.3	167.4	7.14	-9,734.9	-267.7	2,340.0	2,173.4	166.65	14.041	
23,700.0	13,736.0	21,336.6	11,410.5	169.8	168.6	7.00	-9,808.6	-261.6	2,339.0	2,171.0	168.00	13.922	
23,732.5	13,736.0	21,358.8	11,410.3	170.4	169.0	6.96	-9,830.8	-259.7	2,338.9	2,170.5	168.44	13.886	
23,800.0	13,736.0	21,404.9	11,409.7	171.4	169.7	6.87	-9,876.7	-255.7	2,339.2	2,169.9	169.33	13.815	
23,900.0	13,736.0	21,508.0	11,407.6	173.0	171.4	6.64	-9,979.3	-245.8	2,340.1	2,169.5	170.64	13.714	
24,000.0	13,736.0	21,525.0	11,407.3	174.6	171.7	6.60	-9,996.2	-244.1	2,342.4	2,170.6	171.84	13.632	
24,037.2	13,736.0	21,525.0	11,407.3	175.2	171.7	6.60	-9,996.2	-244.1	2,344.3	2,172.1	172.23	13.612	
24,037.7	13,736.0	21,525.0	11,407.3	175.2	171.7	6.60	-9,996.2	-244.1	2,344.3	2,172.3	172.06	13.626	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 148-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	-81.87	28.6	-200.2	202.2				
100.0	100.0	98.8	98.8	0.1	0.1	-81.84	28.7	-200.0	202.0	201.8	0.27	742.335	
200.0	200.0	199.4	199.4	0.5	0.4	-81.73	29.0	-199.4	201.5	200.6	0.89	227.435	
300.0	300.0	299.8	299.8	0.8	0.8	-81.59	29.4	-198.5	200.7	199.1	1.60	125.116	
400.0	400.0	400.4	400.4	1.2	1.1	-81.43	29.7	-197.4	199.7	197.4	2.32	85.948	
500.0	500.0	500.3	500.3	1.6	1.5	-81.31	30.0	-196.2	198.5	195.4	3.04	65.304	
600.0	600.0	599.8	599.8	1.9	1.8	-81.22	30.1	-195.1	197.5	193.7	3.75	52.602	
700.0	700.0	700.7	700.7	2.3	2.2	-81.14	30.2	-194.0	196.4	191.9	4.47	43.893	
800.0	800.0	800.3	800.3	2.6	2.6	-81.09	30.2	-192.7	195.1	189.9	5.19	37.604	
900.0	900.0	899.9	899.9	3.0	2.9	-81.05	30.2	-191.7	194.0	188.1	5.90	32.871	
1,000.0	1,000.0	999.3	999.3	3.4	3.3	-80.99	30.3	-190.8	193.2	186.5	6.62	29.190	
1,100.0	1,100.0	1,098.2	1,098.1	3.7	3.6	-80.93	30.4	-190.4	192.9	185.5	7.33	26.325	
1,128.3	1,128.3	1,126.3	1,126.3	3.8	3.7	-80.91	30.5	-190.4	192.8	185.3	7.53	25.626	
1,200.0	1,200.0	1,197.8	1,197.7	4.1	4.0	-80.86	30.6	-190.5	192.9	184.9	8.03	24.026	
1,300.0	1,300.0	1,297.9	1,297.8	4.4	4.3	-80.76	31.0	-190.6	193.1	184.4	8.73	22.114	
1,400.0	1,400.0	1,398.1	1,398.0	4.8	4.7	-80.61	31.5	-190.5	193.1	183.6	9.44	20.449	
1,405.6	1,405.6	1,403.6	1,403.6	4.8	4.7	-80.60	31.5	-190.5	193.1	183.6	9.48	20.364	
1,500.0	1,500.0	1,497.6	1,497.6	5.1	5.0	-80.42	32.1	-190.5	193.2	183.0	10.15	19.032	
1,600.0	1,600.0	1,597.3	1,597.3	5.5	5.4	-80.13	33.2	-190.6	193.5	182.6	10.86	17.820	
1,700.0	1,700.0	1,697.0	1,696.9	5.9	5.7	-79.65	34.8	-190.8	193.9	182.4	11.57	16.769	
1,800.0	1,800.0	1,801.9	1,801.8	6.2	6.1	-78.98	36.9	-189.7	193.3	181.0	12.30	15.724	
1,900.0	1,900.0	1,902.0	1,901.8	6.6	6.4	-91.58	38.8	-187.4	191.4	178.4	13.01	14.712	
2,000.0	2,000.0	2,001.9	2,001.7	6.9	6.8	-91.67	40.7	-185.0	189.5	175.8	13.73	13.807	
2,100.0	2,099.9	2,102.6	2,102.3	7.3	7.2	-92.25	42.9	-182.5	187.6	173.2	14.44	12.989	
2,200.0	2,199.7	2,206.0	2,205.6	7.7	7.5	-93.12	45.8	-178.6	184.7	169.5	15.17	12.179	
2,300.0	2,299.4	2,309.5	2,308.8	8.0	7.9	-93.99	50.3	-172.0	179.6	163.7	15.88	11.309	
2,400.0	2,398.9	2,410.2	2,409.1	8.4	8.3	-95.28	55.0	-164.3	173.6	157.0	16.60	10.456	
2,500.0	2,498.3	2,510.3	2,508.8	8.7	8.6	-97.29	59.6	-156.5	167.5	150.2	17.32	9.671	
2,600.0	2,597.4	2,609.7	2,607.8	9.1	9.0	-100.19	63.7	-148.5	161.8	143.8	18.04	8.968	
2,700.0	2,696.4	2,708.3	2,706.1	9.5	9.4	-103.49	67.8	-140.9	157.0	138.3	18.77	8.365	
2,800.0	2,795.5	2,807.2	2,804.6	9.9	9.7	-107.11	71.6	-133.9	153.4	133.9	19.51	7.864	
2,900.0	2,894.5	2,906.7	2,903.8	10.2	10.1	-110.97	75.2	-126.9	150.6	130.3	20.24	7.441	
3,000.0	2,993.5	3,007.5	3,004.2	10.6	10.5	-114.52	80.2	-119.6	148.0	127.0	20.96	7.060	
3,100.0	3,092.5	3,107.5	3,103.7	11.0	10.9	-117.85	86.1	-111.8	145.2	123.5	21.69	6.693	
3,200.0	3,191.6	3,206.4	3,202.2	11.4	11.2	-121.37	91.6	-104.2	143.1	120.6	22.43	6.379	
3,300.0	3,290.6	3,307.5	3,302.8	11.8	11.6	-124.95	97.6	-96.3	141.3	118.2	23.15	6.104	
3,400.0	3,389.6	3,408.0	3,402.7	12.2	12.0	-128.47	104.2	-87.7	139.1	115.3	23.87	5.829	
3,500.0	3,488.6	3,507.3	3,501.4	12.6	12.4	-132.34	110.2	-78.7	137.3	112.7	24.60	5.582	
3,596.1	3,583.8	3,602.0	3,595.6	12.9	12.7	-136.58	114.7	-69.9	136.7	111.4	25.31	5.402	
3,600.0	3,587.7	3,605.9	3,599.5	13.0	12.7	-136.76	114.9	-69.6	136.7	111.4	25.34	5.396	
3,700.0	3,686.7	3,705.8	3,698.9	13.4	13.1	-141.12	119.9	-60.6	137.0	110.9	26.06	5.256	
3,800.0	3,785.7	3,804.9	3,797.4	13.8	13.5	-145.50	124.7	-51.3	137.8	111.0	26.79	5.145	
3,900.0	3,884.8	3,902.7	3,894.7	14.1	13.9	-150.18	128.0	-42.2	140.6	113.1	27.53	5.109	
4,000.0	3,983.8	4,003.9	3,995.4	14.5	14.3	-154.49	132.0	-33.2	144.2	115.9	28.25	5.104	
4,100.0	4,082.8	4,106.3	4,097.2	14.9	14.6	-157.83	139.0	-24.6	146.4	117.5	28.97	5.055	
4,200.0	4,181.8	4,205.8	4,196.1	15.3	15.0	-160.49	147.2	-16.8	148.3	118.6	29.70	4.993	
4,300.0	4,280.9	4,305.1	4,294.8	15.8	15.4	-163.05	155.1	-9.3	150.8	120.3	30.44	4.953	
4,400.0	4,379.9	4,404.6	4,393.7	16.2	15.8	-165.49	162.8	-1.9	153.8	122.6	31.18	4.932	
4,500.0	4,478.9	4,504.5	4,493.1	16.6	16.2	-167.79	170.6	5.3	157.1	125.2	31.92	4.923	
4,600.0	4,577.9	4,604.3	4,592.2	17.0	16.6	-170.06	178.5	12.8	160.5	127.9	32.66	4.915	
4,700.0	4,677.0	4,703.8	4,691.1	17.4	16.9	-172.18	186.3	20.1	164.3	130.9	33.41	4.919	
4,732.6	4,709.2	4,736.2	4,723.4	17.5	17.1	-172.84	188.8	22.4	165.6	132.0	33.65	4.922	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 148-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
4,800.0	4,776.1	4,803.8	4,790.6	17.8	17.3	-174.19	194.1	27.4	167.8	133.6	34.15	4.913	
4,900.0	4,875.5	4,904.0	4,890.2	18.2	17.7	-176.16	202.0	35.0	168.7	133.8	34.90	4.834	
5,000.0	4,975.1	5,003.5	4,989.1	18.5	18.1	-178.06	209.9	42.7	167.2	131.5	35.65	4.690	
5,100.0	5,075.0	5,102.5	5,087.5	18.9	18.5	-179.91	217.5	49.9	163.6	127.2	36.40	4.495	
5,200.0	5,174.9	5,202.3	5,186.7	19.3	18.9	178.12	224.9	57.2	157.8	120.7	37.15	4.249	
5,265.9	5,240.8	5,267.9	5,252.0	19.5	19.1	-170.28	229.8	62.0	152.7	115.0	37.64	4.056	
5,300.0	5,274.9	5,301.8	5,285.8	19.6	19.3	-171.04	232.4	64.4	149.7	111.8	37.89	3.951	
5,400.0	5,374.9	5,402.2	5,385.6	19.9	19.6	-173.49	240.2	71.7	141.0	102.3	38.64	3.648	
5,500.0	5,474.9	5,501.8	5,484.6	20.3	20.0	-176.36	248.5	79.3	132.1	92.7	39.41	3.351	
5,600.0	5,574.9	5,600.8	5,582.9	20.6	20.4	-179.78	256.5	87.2	123.6	83.5	40.19	3.076	
5,700.0	5,674.9	5,699.8	5,681.3	21.0	20.8	176.30	264.3	95.1	116.0	75.0	40.99	2.831	
5,800.0	5,774.9	5,799.1	5,780.0	21.3	21.2	171.93	271.9	103.0	109.2	67.4	41.80	2.612	
5,900.0	5,874.9	5,898.2	5,878.5	21.6	21.6	167.05	279.3	110.8	103.2	60.6	42.61	2.422	
6,000.0	5,974.9	5,997.4	5,977.0	22.0	22.0	161.43	286.5	119.0	98.4	55.0	43.45	2.266	
6,100.0	6,074.9	6,096.3	6,075.4	22.3	22.3	155.49	293.5	127.0	94.9	50.6	44.27	2.142	
6,200.0	6,174.9	6,195.1	6,173.9	22.7	22.7	150.86	298.4	133.0	93.2	48.1	45.06	2.068	
6,300.0	6,274.9	6,294.7	6,273.2	23.0	23.1	146.45	302.6	138.8	92.5	46.7	45.83	2.019	
6,336.8	6,311.8	6,331.3	6,309.8	23.1	23.2	144.80	304.2	141.0	92.5	46.4	46.11	2.005	CC
6,400.0	6,374.9	6,394.3	6,372.6	23.4	23.5	141.98	306.8	144.7	92.6	46.0	46.59	1.987	
6,500.0	6,474.9	6,494.2	6,472.2	23.7	23.8	137.76	310.8	150.3	93.2	45.8	47.34	1.968	ES
6,600.0	6,574.9	6,594.0	6,571.8	24.1	24.2	133.68	314.7	155.8	94.2	46.1	48.08	1.959	
6,700.0	6,674.9	6,693.8	6,671.3	24.4	24.6	129.66	318.7	161.3	95.6	46.8	48.81	1.959	
6,800.0	6,774.9	6,793.5	6,770.8	24.7	25.0	125.74	322.8	166.8	97.5	48.0	49.52	1.970	
6,900.0	6,874.9	6,893.4	6,870.5	25.1	25.3	122.08	326.7	172.3	99.9	49.7	50.23	1.989	
7,000.0	6,974.9	6,993.4	6,970.3	25.4	25.7	118.91	330.2	177.3	102.4	51.5	50.93	2.011	
7,100.0	7,074.9	7,093.0	7,069.8	25.8	26.1	116.01	333.6	182.2	105.2	53.6	51.61	2.038	
7,200.0	7,174.9	7,192.6	7,169.1	26.1	26.4	113.30	336.9	187.2	108.5	56.2	52.30	2.074	
7,300.0	7,274.9	7,294.5	7,270.8	26.5	26.8	110.26	341.2	192.0	111.2	58.2	53.00	2.099	
7,400.0	7,374.9	7,394.1	7,370.1	26.8	27.2	106.63	347.3	196.3	113.4	59.7	53.67	2.112	
7,500.0	7,474.9	7,493.9	7,469.6	27.2	27.6	102.97	353.7	200.7	116.0	61.7	54.34	2.135	
7,600.0	7,574.9	7,593.5	7,569.0	27.5	27.9	99.71	359.7	205.0	119.1	64.1	55.00	2.166	
7,700.0	7,674.9	7,693.5	7,668.7	27.9	28.3	96.84	365.2	209.2	122.5	66.8	55.67	2.200	
7,800.0	7,774.9	7,793.3	7,768.3	28.2	28.7	94.35	370.2	213.2	126.0	69.7	56.34	2.236	
7,900.0	7,874.9	7,894.2	7,869.1	28.6	29.0	92.31	374.5	217.1	129.6	72.6	57.02	2.273	
8,000.0	7,974.9	7,996.8	7,971.7	28.9	29.4	91.74	375.8	218.8	131.2	73.5	57.71	2.274	
8,100.0	8,074.9	8,097.5	8,072.3	29.3	29.7	91.69	375.9	219.6	131.9	73.5	58.40	2.259	
8,200.0	8,174.9	8,198.2	8,173.0	29.6	30.1	91.64	375.9	219.8	132.2	73.1	59.09	2.236	
8,300.0	8,274.9	8,299.5	8,274.3	30.0	30.4	91.61	376.0	219.3	131.6	71.9	59.75	2.203	
8,400.0	8,374.9	8,400.7	8,375.5	30.3	30.7	91.73	375.8	217.7	130.1	69.7	60.41	2.154	
8,500.0	8,474.9	8,499.8	8,474.6	30.7	31.0	91.86	375.6	215.8	128.2	67.1	61.10	2.099	
8,600.0	8,574.9	8,599.4	8,574.2	31.0	31.3	92.02	375.3	214.8	127.2	65.4	61.78	2.059	
8,700.0	8,674.9	8,700.2	8,674.9	31.4	31.7	92.25	374.8	213.5	126.0	63.5	62.44	2.017	
8,799.0	8,773.9	8,797.1	8,771.9	31.7	32.0	92.28	374.8	212.5	125.0	61.8	63.14	1.979	
8,800.0	8,774.9	8,798.1	8,772.9	31.7	32.0	92.27	374.8	212.5	125.0	61.8	63.15	1.979	
8,900.0	8,874.9	8,897.9	8,872.7	32.1	32.3	91.88	375.6	212.8	125.2	61.3	63.84	1.961	
9,000.0	8,974.9	8,998.8	8,973.6	32.4	32.7	91.20	377.1	212.7	125.0	60.5	64.52	1.938	
9,027.1	9,002.0	9,025.3	9,000.0	32.5	32.8	91.05	377.5	212.6	125.0	60.2	64.72	1.931	
9,100.0	9,074.9	9,096.2	9,071.0	32.8	33.0	91.08	377.4	213.1	125.5	60.3	65.23	1.924	
9,200.0	9,174.9	9,195.4	9,170.1	33.1	33.3	91.73	375.9	215.0	127.4	61.5	65.93	1.933	
9,300.0	9,274.9	9,296.4	9,271.1	33.5	33.7	92.50	374.1	216.8	129.3	62.6	66.63	1.940	
9,400.0	9,374.9	9,397.5	9,372.2	33.8	34.0	93.37	372.1	217.6	130.2	62.8	67.33	1.933	
9,500.0	9,474.9	9,496.8	9,471.5	34.2	34.3	94.19	370.2	218.3	131.0	63.0	68.02	1.926	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 148-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	9,574.9	9,596.6	9,571.2	34.5	34.6	94.78	368.7	219.4	132.2	63.5	68.72	1.923	
9,700.0	9,674.9	9,696.1	9,670.7	34.9	35.0	95.11	367.8	220.8	133.7	64.3	69.42	1.926	
9,800.0	9,774.9	9,796.1	9,770.7	35.3	35.3	95.11	367.7	222.5	135.4	65.2	70.12	1.930	
9,900.0	9,874.9	9,896.2	9,870.8	35.6	35.7	95.13	367.5	224.0	136.9	66.1	70.82	1.933	
10,000.0	9,974.9	9,995.8	9,970.4	36.0	36.0	95.26	367.0	225.6	138.5	67.0	71.52	1.937	
10,100.0	10,074.9	10,095.9	10,070.5	36.3	36.4	95.51	366.3	227.4	140.4	68.2	72.22	1.944	
10,200.0	10,174.9	10,196.4	10,171.0	36.7	36.7	95.92	365.1	228.8	141.9	69.0	72.92	1.946	
10,300.0	10,274.9	10,297.2	10,271.7	37.0	37.0	96.75	362.9	229.8	143.1	69.5	73.62	1.944	
10,400.0	10,374.9	10,398.5	10,372.9	37.4	37.4	98.29	359.0	229.7	143.6	69.2	74.32	1.932	
10,500.0	10,474.9	10,498.6	10,473.0	37.7	37.7	99.63	355.8	229.1	143.4	68.4	75.01	1.912	
10,528.8	10,503.7	10,527.4	10,501.7	37.8	37.8	99.80	355.3	229.0	143.4	68.2	75.21	1.907	
10,600.0	10,574.9	10,598.1	10,572.4	38.1	38.0	100.16	354.4	229.0	143.6	67.9	75.71	1.896	
10,700.0	10,674.9	10,698.3	10,672.7	38.4	38.3	100.74	352.9	229.0	143.8	67.4	76.40	1.883	
10,800.0	10,774.9	10,798.5	10,772.9	38.8	38.7	101.52	351.0	228.7	143.9	66.8	77.09	1.867	
10,900.0	10,874.9	10,898.1	10,872.4	39.1	39.0	102.02	349.7	228.6	144.1	66.3	77.78	1.853	
11,000.0	10,974.9	10,997.6	10,971.9	39.5	39.3	102.06	349.5	229.2	144.7	66.2	78.48	1.844	
11,100.0	11,074.9	11,098.5	11,072.8	39.8	39.7	102.36	348.7	229.4	145.1	65.9	79.18	1.832	
11,200.0	11,174.9	11,195.6	11,169.7	40.2	40.0	104.99	342.0	228.8	146.1	66.2	79.88	1.829	SF
11,300.0	11,274.9	11,281.1	11,252.8	40.6	40.2	112.12	322.5	228.5	153.4	73.3	80.05	1.916	
11,400.0	11,374.9	11,359.7	11,324.8	40.9	40.4	122.11	291.1	228.9	173.6	95.0	78.59	2.209	
11,500.0	11,474.9	11,433.1	11,387.5	41.3	40.5	131.81	253.0	229.3	208.4	132.6	75.74	2.751	
11,600.0	11,574.9	11,503.3	11,444.0	41.6	40.7	139.97	211.5	228.9	254.7	181.9	72.76	3.500	
11,700.0	11,674.9	11,574.9	11,500.2	42.0	40.8	146.37	167.2	229.0	308.2	237.3	70.82	4.351	
11,800.0	11,774.9	11,618.6	11,532.8	42.3	40.8	149.57	138.1	229.6	369.0	302.4	66.66	5.536	
11,900.0	11,874.9	11,667.0	11,565.6	42.7	40.9	152.68	102.6	230.8	437.8	373.8	64.00	6.841	
12,000.0	11,974.9	11,692.4	11,581.5	43.0	40.9	154.14	82.8	231.6	511.9	451.8	60.12	8.514	
12,100.0	12,074.9	11,725.3	11,601.0	43.4	40.9	155.87	56.3	232.6	590.2	532.4	57.81	10.208	
12,200.0	12,174.9	11,761.0	11,620.6	43.7	41.0	157.56	26.5	233.6	671.7	615.4	56.31	11.927	
12,300.0	12,274.9	11,761.0	11,620.6	44.1	41.0	157.56	26.5	233.6	756.1	703.0	53.08	14.243	
12,400.0	12,374.9	11,801.8	11,640.9	44.5	41.0	159.32	-8.9	234.4	841.6	788.9	52.78	15.947	
12,500.0	12,474.9	11,821.6	11,650.0	44.8	41.0	160.12	-26.5	234.6	929.4	877.8	51.60	18.012	
12,600.0	12,574.9	11,856.0	11,664.4	45.2	41.1	161.43	-57.7	234.6	1,019.0	967.7	51.33	19.851	
12,700.0	12,674.9	11,856.0	11,664.4	45.5	41.1	161.43	-57.7	234.6	1,109.1	1,059.2	49.84	22.251	
12,800.0	12,774.9	11,856.0	11,664.4	45.9	41.1	161.43	-57.7	234.6	1,200.7	1,152.0	48.69	24.662	
12,900.0	12,874.9	11,884.2	11,675.1	46.2	41.2	162.45	-83.8	234.3	1,292.8	1,244.1	48.67	26.561	
13,000.0	12,974.9	11,896.9	11,679.5	46.6	41.2	162.89	-95.7	234.0	1,385.8	1,337.5	48.27	28.710	
13,100.0	13,074.9	11,908.5	11,683.4	46.9	41.3	163.29	-106.7	233.7	1,479.4	1,431.5	47.95	30.852	
13,188.1	13,163.0	11,945.0	11,694.5	47.2	41.4	164.48	-141.4	232.4	1,563.1	1,514.7	48.40	32.294	
13,200.0	13,174.9	11,945.0	11,694.5	47.3	41.4	-23.06	-141.4	232.4	1,574.2	1,525.9	48.34	32.568	
13,250.0	13,224.8	11,945.0	11,694.5	47.4	41.4	-18.88	-141.4	232.4	1,620.2	1,572.1	48.03	33.729	
13,300.0	13,274.2	11,945.0	11,694.5	47.6	41.4	-15.96	-141.4	232.4	1,664.7	1,617.0	47.69	34.905	
13,350.0	13,322.8	11,945.0	11,694.5	47.7	41.4	-13.83	-141.4	232.4	1,707.5	1,660.2	47.32	36.085	
13,400.0	13,370.1	11,954.3	11,697.1	47.8	41.4	-12.19	-150.3	232.0	1,748.4	1,701.3	47.11	37.113	
13,450.0	13,415.9	11,978.9	11,703.9	48.0	41.5	-10.91	-173.9	230.8	1,786.9	1,739.7	47.16	37.890	
13,500.0	13,459.7	12,004.9	11,710.9	48.1	41.6	-9.94	-198.9	229.5	1,822.6	1,775.5	47.19	38.625	
13,550.0	13,501.3	12,026.8	11,716.7	48.2	41.6	-9.20	-220.0	228.2	1,855.5	1,808.4	47.10	39.395	
13,600.0	13,540.3	12,048.8	11,722.3	48.3	41.7	-8.62	-241.2	226.9	1,885.5	1,838.5	46.99	40.128	
13,650.0	13,576.5	12,072.0	11,728.0	48.3	41.8	-8.16	-263.7	225.4	1,912.2	1,865.4	46.87	40.800	
13,700.0	13,609.5	12,104.0	11,735.5	48.4	41.9	-7.80	-294.7	223.1	1,935.7	1,888.8	46.87	41.297	
13,750.0	13,639.1	12,130.3	11,741.5	48.5	42.0	-7.53	-320.3	221.0	1,955.6	1,908.8	46.77	41.812	
13,800.0	13,665.0	12,167.0	11,749.5	48.6	42.1	-7.34	-355.9	218.0	1,971.9	1,925.0	46.81	42.124	
13,850.0	13,687.2	12,204.1	11,757.4	48.6	42.2	-7.21	-392.1	214.8	1,984.2	1,937.4	46.85	42.356	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 148-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.0	13,705.4	12,237.4	11,764.2	48.7	42.4	-7.15	-424.5	211.9	1,992.7	1,945.8	46.82	42.556	
13,950.0	13,719.4	12,277.7	11,772.3	48.8	42.5	-7.15	-463.8	208.2	1,997.1	1,950.2	46.90	42.582	
14,000.0	13,729.2	12,313.5	11,779.3	48.8	42.7	-7.20	-498.8	205.0	1,997.5	1,950.6	46.92	42.570	
14,050.0	13,734.7	12,344.7	11,785.1	48.9	42.8	-7.31	-529.2	202.3	1,994.0	1,947.1	46.90	42.520	
14,088.1	13,736.0	12,368.2	11,789.4	49.0	42.9	-7.43	-552.3	200.2	1,988.8	1,941.9	46.89	42.418	
14,100.0	13,736.0	12,375.5	11,790.6	49.0	43.0	-7.41	-559.5	199.5	1,986.8	1,940.0	46.88	42.378	
14,200.0	13,736.0	12,389.0	11,792.9	49.2	43.0	-7.14	-572.7	198.3	1,972.0	1,925.6	46.41	42.493	
14,300.0	13,736.0	12,445.6	11,800.8	49.4	43.3	-6.95	-628.5	193.4	1,959.1	1,912.7	46.49	42.146	
14,400.0	13,736.0	12,484.0	11,804.2	49.7	43.5	-6.75	-666.6	190.3	1,949.8	1,903.3	46.51	41.918	
14,500.0	13,736.0	12,534.9	11,807.4	50.0	43.8	-6.56	-717.3	186.7	1,942.9	1,896.1	46.73	41.574	
14,546.0	13,736.0	12,563.9	11,808.9	50.1	43.9	-6.47	-746.3	185.2	1,940.2	1,893.3	46.89	41.382	
14,600.0	13,736.0	12,598.0	11,810.4	50.4	44.1	-6.42	-780.3	183.7	1,937.6	1,890.5	47.09	41.148	
14,700.0	13,736.0	12,661.0	11,812.2	50.8	44.5	-6.35	-843.2	181.4	1,934.2	1,886.6	47.53	40.689	
14,800.0	13,736.0	12,742.1	11,813.4	51.3	45.0	-6.25	-924.3	178.4	1,932.3	1,884.2	48.09	40.181	
14,900.0	13,736.0	12,818.1	11,813.7	51.8	45.5	-6.14	-1,000.2	175.3	1,931.3	1,882.6	48.69	39.668	
14,917.0	13,736.0	12,830.3	11,813.7	51.9	45.5	-6.13	-1,012.4	175.0	1,931.3	1,882.5	48.80	39.578	
15,000.0	13,736.0	12,916.2	11,813.4	52.4	46.1	-6.13	-1,098.3	175.4	1,931.6	1,882.2	49.39	39.108	
15,100.0	13,736.0	13,016.9	11,814.5	53.0	46.9	-6.27	-1,198.8	180.6	1,931.1	1,880.9	50.20	38.471	
15,119.5	13,736.0	13,032.9	11,814.6	53.1	47.0	-6.29	-1,214.8	181.6	1,931.0	1,880.7	50.35	38.350	
15,200.0	13,736.0	13,114.8	11,814.9	53.6	47.7	-6.42	-1,296.6	186.3	1,931.1	1,880.1	51.04	37.834	
15,271.6	13,736.0	13,185.2	11,815.4	54.1	48.3	-6.52	-1,366.9	190.0	1,931.0	1,879.3	51.67	37.371	
15,300.0	13,736.0	13,210.2	11,815.5	54.3	48.5	-6.55	-1,391.9	191.1	1,931.0	1,879.1	51.92	37.195	
15,400.0	13,736.0	13,313.5	11,815.7	55.1	49.4	-6.66	-1,495.1	195.7	1,931.3	1,878.5	52.83	36.555	
15,438.0	13,736.0	13,356.5	11,816.0	55.4	49.7	-6.72	-1,538.0	197.9	1,931.2	1,878.0	53.20	36.302	
15,500.0	13,736.0	13,405.4	11,816.1	55.9	50.2	-6.78	-1,586.8	200.3	1,931.4	1,877.6	53.77	35.917	
15,600.0	13,736.0	13,506.5	11,816.0	56.7	51.2	-6.90	-1,687.8	205.1	1,931.9	1,877.2	54.76	35.281	
15,700.0	13,736.0	13,620.2	11,816.7	57.6	52.3	-7.07	-1,801.3	211.4	1,932.0	1,876.2	55.81	34.617	
15,800.0	13,736.0	13,723.7	11,817.8	58.4	53.4	-7.23	-1,904.7	217.2	1,931.6	1,874.7	56.88	33.957	
15,858.2	13,736.0	13,772.4	11,818.1	59.0	53.9	-7.29	-1,953.3	219.7	1,931.4	1,873.9	57.49	33.594	
15,900.0	13,736.0	13,807.7	11,818.3	59.4	54.2	-7.34	-1,988.6	221.5	1,931.5	1,873.6	57.94	33.338	
16,000.0	13,736.0	13,927.4	11,819.2	60.3	55.5	-7.50	-2,108.1	227.5	1,931.3	1,872.2	59.09	32.684	
16,100.0	13,736.0	14,021.9	11,820.3	61.3	56.6	-7.63	-2,202.5	232.4	1,930.8	1,870.6	60.22	32.061	
16,200.0	13,736.0	14,125.6	11,821.3	62.3	57.8	-7.76	-2,306.0	237.5	1,930.4	1,869.0	61.40	31.440	
16,300.0	13,736.0	14,232.5	11,822.7	63.4	59.0	-7.89	-2,412.8	242.3	1,929.6	1,867.0	62.60	30.825	
16,400.0	13,736.0	14,331.2	11,824.1	64.4	60.2	-7.99	-2,511.4	246.1	1,928.6	1,864.8	63.80	30.231	
16,500.0	13,736.0	14,429.8	11,825.4	65.5	61.4	-8.10	-2,609.9	250.4	1,927.9	1,862.9	65.02	29.649	
16,600.0	13,736.0	14,534.2	11,826.4	66.6	62.7	-8.13	-2,714.3	251.7	1,927.0	1,860.8	66.23	29.095	
16,700.0	13,736.0	14,632.9	11,827.2	67.8	63.9	-8.07	-2,813.0	250.4	1,926.0	1,858.6	67.40	28.573	
16,800.0	13,736.0	14,718.9	11,827.5	68.9	65.0	-8.01	-2,899.0	248.6	1,925.3	1,856.7	68.57	28.078	
16,820.2	13,736.0	14,735.1	11,827.4	69.2	65.2	-7.99	-2,915.2	248.3	1,925.3	1,856.5	68.80	27.982	
16,900.0	13,736.0	14,799.6	11,826.8	70.1	66.0	-7.92	-2,979.6	246.4	1,925.6	1,855.9	69.73	27.614	
17,000.0	13,736.0	14,886.3	11,825.1	71.3	67.1	-7.80	-3,066.3	242.8	1,926.8	1,856.0	70.89	27.179	
17,100.0	13,736.0	14,986.3	11,823.0	72.5	68.3	-7.63	-3,166.1	238.0	1,928.3	1,856.2	72.06	26.759	
17,200.0	13,736.0	15,078.8	11,820.6	73.7	69.5	-7.46	-3,258.4	233.2	1,930.0	1,856.8	73.23	26.355	
17,300.0	13,736.0	15,184.4	11,817.7	75.0	70.9	-7.23	-3,363.8	226.5	1,931.9	1,857.5	74.40	25.967	
17,400.0	13,736.0	15,293.4	11,815.8	76.2	72.4	-7.09	-3,472.7	222.7	1,933.1	1,857.5	75.63	25.562	
17,500.0	13,736.0	15,422.3	11,814.8	77.5	74.1	-7.07	-3,601.6	222.9	1,933.9	1,856.9	76.96	25.127	
17,579.6	13,736.0	15,495.5	11,815.2	78.6	75.1	-7.12	-3,674.7	224.9	1,933.7	1,855.6	78.03	24.780	
17,600.0	13,736.0	15,512.9	11,815.2	78.8	75.4	-7.12	-3,692.1	225.2	1,933.7	1,855.4	78.30	24.696	
17,700.0	13,736.0	15,647.9	11,816.3	80.1	77.2	-7.13	-3,827.1	226.0	1,932.9	1,853.2	79.69	24.255	
17,800.0	13,736.0	15,807.1	11,819.9	81.4	79.4	-7.07	-3,986.2	224.7	1,930.9	1,849.7	81.11	23.805	
17,900.0	13,736.0	15,911.5	11,825.0	82.8	80.9	-7.09	-4,090.5	225.3	1,926.0	1,843.6	82.48	23.351	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 148-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	13,736.0	16,022.0	11,831.1	84.1	82.5	-7.12	-4,200.9	226.3	1,920.5	1,836.7	83.89	22.895	
18,100.0	13,736.0	16,100.3	11,835.1	85.5	83.6	-7.16	-4,279.1	227.6	1,915.6	1,830.4	85.24	22.474	
18,200.0	13,736.0	16,187.7	11,838.9	86.8	84.9	-7.21	-4,366.4	229.4	1,911.6	1,824.9	86.63	22.067	
18,300.0	13,736.0	16,276.6	11,842.2	88.2	86.2	-7.29	-4,455.2	232.0	1,908.1	1,820.1	88.04	21.672	
18,400.0	13,736.0	16,362.1	11,845.0	89.6	87.4	-7.39	-4,540.6	235.6	1,905.3	1,815.9	89.48	21.292	
18,500.0	13,736.0	16,444.3	11,847.0	91.0	88.6	-7.50	-4,622.7	239.5	1,903.4	1,812.5	90.93	20.932	
18,600.0	13,736.0	16,564.4	11,849.5	92.4	90.4	-7.60	-4,742.6	243.6	1,901.8	1,809.3	92.45	20.570	
18,700.0	13,736.0	16,636.3	11,850.9	93.8	91.4	-7.61	-4,814.5	244.1	1,900.0	1,806.1	93.83	20.248	
18,761.2	13,736.0	16,678.0	11,851.1	94.6	92.0	-7.61	-4,856.2	244.2	1,899.6	1,805.0	94.67	20.066	
18,800.0	13,736.0	16,703.5	11,851.0	95.2	92.4	-7.60	-4,881.7	244.2	1,899.8	1,804.6	95.20	19.955	
18,900.0	13,736.0	16,776.7	11,849.7	96.6	93.5	-7.59	-4,954.9	244.4	1,901.3	1,804.8	96.58	19.687	
19,000.0	13,736.0	16,879.9	11,847.9	98.0	95.0	-7.61	-5,058.0	246.0	1,903.2	1,805.2	98.03	19.415	
19,100.0	13,736.0	16,973.4	11,846.0	99.5	96.4	-7.66	-5,151.5	248.5	1,905.5	1,806.0	99.50	19.151	
19,200.0	13,736.0	17,108.4	11,844.2	100.9	98.4	-7.73	-5,286.4	251.9	1,907.1	1,806.1	101.05	18.872	
19,300.0	13,736.0	17,222.5	11,844.4	102.4	100.1	-7.73	-5,400.5	252.7	1,907.0	1,804.4	102.53	18.599	
19,400.0	13,736.0	17,365.7	11,846.8	103.8	102.3	-7.79	-5,543.7	255.2	1,905.4	1,801.3	104.09	18.305	
19,500.0	13,736.0	17,459.3	11,849.6	105.3	103.7	-7.87	-5,637.3	258.0	1,902.7	1,797.1	105.61	18.016	
19,600.0	13,736.0	17,535.1	11,850.9	106.7	104.8	-7.90	-5,713.0	259.3	1,901.2	1,794.2	107.08	17.756	
19,700.0	13,736.0	17,631.5	11,851.8	108.2	106.3	-7.94	-5,809.4	261.1	1,900.5	1,791.9	108.58	17.503	
19,800.0	13,736.0	17,757.9	11,853.8	109.7	108.2	-7.97	-5,935.7	262.7	1,899.0	1,788.9	110.12	17.245	
19,900.0	13,736.0	17,845.7	11,855.8	111.2	109.6	-7.99	-6,023.5	263.7	1,896.8	1,785.2	111.60	16.996	
20,000.0	13,736.0	17,920.0	11,856.3	112.7	110.7	-8.00	-6,097.8	264.3	1,896.2	1,783.1	113.06	16.771	
20,096.6	13,736.0	18,013.7	11,856.5	114.1	112.1	-7.98	-6,191.5	264.2	1,895.8	1,781.3	114.48	16.561	
20,100.0	13,736.0	18,015.8	11,856.5	114.2	112.2	-7.98	-6,193.6	264.2	1,895.8	1,781.3	114.52	16.554	
20,200.0	13,736.0	18,075.9	11,855.8	115.7	113.1	-7.97	-6,253.7	264.2	1,896.9	1,781.0	115.93	16.362	
20,300.0	13,736.0	18,171.2	11,853.4	117.2	114.5	-7.96	-6,349.0	264.8	1,899.4	1,782.0	117.41	16.178	
20,400.0	13,736.0	18,294.2	11,851.1	118.7	116.4	-7.98	-6,471.9	266.8	1,901.4	1,782.4	118.97	15.982	
20,500.0	13,736.0	18,416.5	11,851.4	120.2	118.3	-8.07	-6,594.2	270.3	1,901.4	1,780.8	120.59	15.767	
20,600.0	13,736.0	18,501.0	11,851.1	121.7	119.6	-8.08	-6,678.6	271.4	1,901.9	1,779.8	122.09	15.578	
20,700.0	13,736.0	18,587.6	11,850.1	123.2	121.0	-8.09	-6,765.2	272.3	1,903.1	1,779.5	123.58	15.400	
20,800.0	13,736.0	18,674.6	11,848.5	124.7	122.3	-8.11	-6,852.2	273.8	1,905.0	1,779.9	125.08	15.230	
20,900.0	13,736.0	18,757.0	11,846.6	126.2	123.6	-8.16	-6,934.6	276.1	1,907.6	1,781.0	126.60	15.067	
21,000.0	13,736.0	18,831.3	11,844.2	127.8	124.8	-8.22	-7,008.8	279.0	1,911.4	1,783.2	128.11	14.919	
21,100.0	13,736.0	18,921.9	11,840.3	129.3	126.2	-8.32	-7,099.1	283.5	1,916.2	1,786.5	129.71	14.774	
21,200.0	13,736.0	19,061.0	11,835.5	130.8	128.4	-8.51	-7,238.0	291.5	1,920.4	1,788.9	131.54	14.599	
21,300.0	13,736.0	19,180.1	11,833.9	132.4	130.2	-8.74	-7,356.7	300.4	1,922.8	1,789.4	133.37	14.417	
21,400.0	13,736.0	19,274.1	11,832.9	133.9	131.7	-8.90	-7,450.5	306.4	1,924.7	1,789.7	135.07	14.250	
21,500.0	13,736.0	19,359.0	11,830.9	135.4	133.1	-8.95	-7,535.3	309.1	1,927.5	1,790.8	136.63	14.107	
21,600.0	13,736.0	19,452.8	11,827.8	137.0	134.5	-8.94	-7,629.1	309.9	1,930.8	1,792.6	138.14	13.976	
21,700.0	13,736.0	19,556.1	11,824.2	138.5	136.1	-8.92	-7,732.3	310.2	1,934.1	1,794.5	139.66	13.848	
21,800.0	13,736.0	19,657.3	11,820.6	140.1	137.7	-8.82	-7,833.4	308.0	1,937.2	1,796.1	141.09	13.730	
21,900.0	13,736.0	19,777.5	11,816.5	141.6	139.6	-8.69	-7,953.5	305.1	1,940.2	1,797.7	142.54	13.612	
22,000.0	13,736.0	19,880.0	11,814.0	143.2	141.2	-8.57	-8,056.0	301.9	1,942.1	1,798.1	143.94	13.492	
22,100.0	13,736.0	19,997.4	11,811.5	144.7	143.0	-8.45	-8,173.2	299.1	1,943.8	1,798.4	145.39	13.369	
22,200.0	13,736.0	20,082.8	11,809.7	146.3	144.4	-8.35	-8,258.6	296.5	1,945.3	1,798.5	146.79	13.252	
22,300.0	13,736.0	20,246.6	11,808.9	147.8	146.9	-8.16	-8,422.3	290.9	1,944.9	1,796.7	148.20	13.123	
22,400.0	13,736.0	20,333.2	11,809.7	149.4	148.3	-8.09	-8,508.9	289.0	1,943.7	1,794.0	149.66	12.987	
22,500.0	13,736.0	20,423.6	11,809.7	151.0	149.7	-8.03	-8,599.2	287.5	1,943.4	1,792.3	151.12	12.860	
22,600.0	13,736.0	20,525.8	11,810.0	152.5	151.3	-8.02	-8,701.5	287.8	1,943.0	1,790.4	152.66	12.728	
22,666.8	13,736.0	20,586.0	11,810.1	153.6	152.3	-8.02	-8,761.6	288.0	1,942.9	1,789.2	153.68	12.642	
22,700.0	13,736.0	20,612.2	11,810.0	154.1	152.7	-8.00	-8,787.8	287.7	1,942.9	1,788.8	154.17	12.603	
22,800.0	13,736.0	20,692.4	11,808.8	155.7	154.0	-7.91	-8,868.0	285.1	1,943.8	1,788.2	155.57	12.495	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 148-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,900.0	13,736.0	20,804.8	11,806.3	157.2	155.7	-7.74	-8,980.2	280.3	1,945.5	1,788.5	156.94	12.396	
22,975.8	13,736.0	20,895.4	11,805.5	158.4	157.1	-7.55	-9,070.7	274.7	1,945.4	1,787.5	157.92	12.319	
23,000.0	13,736.0	20,915.8	11,805.3	158.8	157.4	-7.51	-9,091.0	273.4	1,945.4	1,787.2	158.24	12.294	
23,100.0	13,736.0	20,992.9	11,804.0	160.4	158.7	-7.34	-9,168.0	268.3	1,946.1	1,786.6	159.55	12.198	
23,200.0	13,736.0	21,088.6	11,801.3	162.0	160.1	-7.13	-9,263.4	261.8	1,948.0	1,787.2	160.84	12.112	
23,300.0	13,736.0	21,235.2	11,799.8	163.5	162.5	-6.93	-9,409.9	256.3	1,948.5	1,786.3	162.25	12.010	
23,368.9	13,736.0	21,289.2	11,799.9	164.6	163.3	-6.93	-9,463.9	256.5	1,948.3	1,785.0	163.29	11.931	
23,400.0	13,736.0	21,314.5	11,799.9	165.1	163.7	-6.94	-9,489.1	256.9	1,948.4	1,784.6	163.77	11.897	
23,500.0	13,736.0	21,405.3	11,799.6	166.7	165.2	-6.98	-9,579.9	258.9	1,948.9	1,783.6	165.35	11.787	
23,600.0	13,736.0	21,523.7	11,799.4	168.3	167.1	-7.06	-9,698.3	262.5	1,949.3	1,782.3	167.03	11.671	
23,700.0	13,736.0	21,644.4	11,801.1	169.8	169.0	-7.22	-9,818.8	268.6	1,948.5	1,779.7	168.80	11.543	
23,800.0	13,736.0	21,736.7	11,802.8	171.4	170.5	-7.37	-9,910.9	273.9	1,947.3	1,776.8	170.53	11.419	
23,895.9	13,736.0	21,825.1	11,803.9	173.0	171.9	-7.50	-9,999.2	279.0	1,946.8	1,774.7	172.18	11.307	
23,900.0	13,736.0	21,819.0	11,803.8	173.0	171.8	-7.49	-9,993.1	278.7	1,946.8	1,774.6	172.22	11.304	
24,000.0	13,736.0	21,819.0	11,803.8	174.6	171.8	-7.49	-9,993.1	278.7	1,949.5	1,776.0	173.47	11.238	
24,037.2	13,736.0	21,819.0	11,803.8	175.2	171.8	-7.49	-9,993.1	278.7	1,951.8	1,777.9	173.86	11.226	
24,037.7	13,736.0	21,819.0	11,803.8	175.2	171.8	-7.49	-9,993.1	278.7	1,951.8	1,778.2	173.66	11.239	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 243-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	-82.97	28.4	-230.3	232.0				
100.0	100.0	96.6	96.6	0.1	0.2	-82.94	28.5	-230.3	232.1	231.8	0.28	825.239	
200.0	200.0	196.3	196.3	0.5	0.3	-82.84	29.0	-230.5	232.3	231.5	0.80	291.391	
300.0	300.0	296.1	296.1	0.8	0.6	-82.68	29.6	-230.8	232.7	231.3	1.42	163.878	
400.0	400.0	396.0	396.0	1.2	0.9	-82.50	30.4	-231.1	233.1	231.0	2.14	109.101	
500.0	500.0	495.8	495.8	1.6	1.3	-82.30	31.3	-231.5	233.6	230.7	2.85	81.877	
600.0	600.0	596.0	595.9	1.9	1.7	-82.08	32.2	-231.9	234.1	230.5	3.57	65.567	
700.0	700.0	695.8	695.8	2.3	2.0	-81.88	33.1	-232.2	234.5	230.3	4.29	54.717 ES	
800.0	800.0	794.1	794.0	2.6	2.4	-81.71	33.9	-232.9	235.4	230.4	5.00	47.122	
900.0	900.0	892.7	892.7	3.0	2.7	-81.57	34.7	-234.3	236.9	231.2	5.71	41.532	
1,000.0	1,000.0	990.9	990.8	3.4	3.1	-81.50	35.3	-236.5	239.2	232.8	6.41	37.314	
1,100.0	1,100.0	1,091.1	1,091.0	3.7	3.4	-81.43	36.0	-239.0	241.7	234.6	7.12	33.931	
1,200.0	1,200.0	1,190.9	1,190.7	4.1	3.8	-81.43	36.4	-241.5	244.3	236.5	7.84	31.174	
1,300.0	1,300.0	1,291.6	1,291.4	4.4	4.1	-81.45	36.7	-244.0	246.8	238.2	8.55	28.854	
1,400.0	1,400.0	1,391.7	1,391.5	4.8	4.5	-81.36	37.4	-246.0	248.8	239.6	9.27	26.851	
1,500.0	1,500.0	1,491.2	1,491.0	5.1	4.8	-81.24	38.3	-248.2	251.2	241.2	9.98	25.167	
1,600.0	1,600.0	1,591.2	1,590.9	5.5	5.2	-80.82	40.4	-250.3	253.6	242.9	10.70	23.705	
1,700.0	1,700.0	1,690.7	1,690.3	5.9	5.6	-79.91	44.9	-252.0	256.1	244.7	11.41	22.441	
1,800.0	1,800.0	1,789.9	1,789.3	6.2	5.9	-78.85	50.1	-253.9	258.9	246.8	12.12	21.352	
1,900.0	1,900.0	1,891.5	1,890.8	6.6	6.3	-90.83	55.9	-255.5	261.6	248.7	12.85	20.361	
2,000.0	2,000.0	1,990.7	1,989.7	6.9	6.6	-90.01	62.5	-256.6	264.2	250.6	13.56	19.481	
2,100.0	2,099.9	2,089.3	2,088.1	7.3	7.0	-89.52	69.5	-258.1	267.2	252.9	14.27	18.723	
2,200.0	2,199.7	2,189.9	2,188.4	7.7	7.4	-89.39	76.6	-259.6	270.3	255.3	14.99	18.027	
2,300.0	2,299.4	2,289.4	2,287.7	8.0	7.7	-89.69	83.4	-261.2	273.4	257.6	15.71	17.395	
2,400.0	2,398.9	2,388.7	2,386.8	8.4	8.1	-90.43	89.8	-263.0	276.6	260.2	16.44	16.828	
2,500.0	2,498.3	2,487.8	2,485.6	8.7	8.5	-91.60	95.7	-265.2	280.2	263.1	17.16	16.329	
2,600.0	2,597.4	2,587.7	2,585.3	9.1	8.8	-92.91	102.7	-267.3	284.1	266.2	17.90	15.875	
2,700.0	2,696.4	2,687.8	2,685.1	9.5	9.2	-94.09	111.1	-269.0	288.0	269.4	18.64	15.453	
2,800.0	2,795.5	2,788.0	2,784.7	9.9	9.6	-94.99	120.8	-270.4	292.0	272.6	19.39	15.059	
2,900.0	2,894.5	2,888.9	2,885.1	10.2	9.9	-95.76	131.1	-271.5	295.7	275.6	20.15	14.680	
3,000.0	2,993.5	2,989.8	2,985.5	10.6	10.3	-96.62	140.8	-272.3	299.2	278.3	20.91	14.310	
3,100.0	3,092.5	3,088.4	3,083.7	11.0	10.7	-97.52	149.8	-273.1	302.6	280.9	21.66	13.971	
3,200.0	3,191.6	3,184.9	3,179.7	11.4	11.0	-98.13	160.1	-274.5	306.9	284.5	22.41	13.696	
3,300.0	3,290.6	3,285.3	3,279.4	11.8	11.4	-98.62	171.5	-276.6	311.9	288.7	23.18	13.459	
3,400.0	3,389.6	3,386.0	3,379.6	12.2	11.8	-99.32	181.6	-278.3	316.5	292.5	23.95	13.216	
3,500.0	3,488.6	3,489.6	3,482.7	12.6	12.2	-100.26	190.8	-279.5	320.6	295.8	24.73	12.961	
3,600.0	3,587.7	3,591.8	3,584.6	13.0	12.6	-101.30	198.9	-279.7	323.6	298.1	25.51	12.688	
3,700.0	3,686.7	3,691.5	3,683.9	13.4	13.0	-102.21	207.4	-279.5	326.5	300.2	26.27	12.426	
3,800.0	3,785.7	3,790.8	3,782.9	13.8	13.3	-103.14	215.5	-279.4	329.5	302.4	27.04	12.185	
3,900.0	3,884.8	3,888.7	3,880.6	14.1	13.7	-104.21	222.6	-279.6	333.0	305.2	27.80	11.979	
4,000.0	3,983.8	3,988.0	3,979.6	14.5	14.1	-105.27	229.8	-280.2	336.8	308.3	28.56	11.794	
4,100.0	4,082.8	4,084.3	4,075.6	14.9	14.4	-106.02	238.3	-281.4	341.5	312.2	29.32	11.649	
4,200.0	4,181.8	4,183.8	4,174.4	15.3	14.8	-106.41	249.1	-283.3	346.7	316.6	30.09	11.521	
4,300.0	4,280.9	4,284.2	4,274.2	15.8	15.2	-106.77	260.3	-285.3	352.0	321.1	30.88	11.398	
4,400.0	4,379.9	4,385.5	4,374.8	16.2	15.6	-107.10	271.7	-286.8	356.7	325.0	31.67	11.262	
4,500.0	4,478.9	4,482.3	4,470.8	16.6	16.0	-107.13	284.2	-288.7	361.8	329.4	32.45	11.151	
4,600.0	4,577.9	4,579.7	4,567.1	17.0	16.4	-107.00	297.8	-291.5	367.8	334.6	33.23	11.069	
4,700.0	4,677.0	4,679.6	4,666.1	17.4	16.8	-106.88	311.7	-294.7	374.1	340.0	34.03	10.992	
4,732.6	4,709.2	4,712.2	4,698.3	17.5	16.9	-106.84	316.3	-295.7	376.1	341.8	34.29	10.967	
4,800.0	4,776.1	4,779.0	4,764.5	17.8	17.2	-106.71	325.7	-297.8	380.1	345.3	34.83	10.914	
4,900.0	4,875.5	4,876.8	4,861.1	18.2	17.5	-106.15	339.9	-301.2	385.7	350.1	35.61	10.834	
5,000.0	4,975.1	4,975.1	4,958.2	18.5	17.9	-105.17	354.8	-305.2	391.3	355.0	36.38	10.757	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 243-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	5,075.0	5,075.4	5,057.4	18.9	18.4	-103.90	369.3	-309.2	396.4	359.3	37.15	10.670	
5,200.0	5,174.9	5,173.8	5,155.0	19.3	18.7	-102.71	380.9	-313.1	401.0	363.1	37.89	10.582	
5,265.9	5,240.8	5,237.9	5,218.7	19.5	19.0	-88.86	387.8	-315.9	404.1	365.7	38.36	10.534	
5,300.0	5,274.9	5,271.3	5,251.9	19.6	19.1	-88.40	391.0	-317.4	405.7	367.1	38.60	10.511	
5,400.0	5,374.9	5,374.8	5,355.0	19.9	19.5	-87.37	398.6	-322.0	410.5	371.1	39.34	10.434	
5,500.0	5,474.9	5,475.9	5,456.0	20.3	19.9	-86.94	401.8	-325.7	414.3	374.2	40.04	10.346	
5,600.0	5,574.9	5,586.8	5,566.8	20.6	20.3	-86.76	403.3	-328.7	417.1	376.3	40.78	10.227	
5,700.0	5,674.9	5,690.4	5,670.4	21.0	20.6	-86.85	402.7	-329.6	417.9	376.4	41.46	10.079	
5,800.0	5,774.9	5,797.7	5,777.7	21.3	20.9	-87.18	400.2	-329.0	417.2	375.1	42.13	9.903	
5,900.0	5,874.9	5,897.1	5,877.1	21.6	21.2	-87.67	396.7	-327.8	415.9	373.1	42.78	9.722	
6,000.0	5,974.9	5,997.0	5,976.8	22.0	21.5	-88.22	392.7	-326.8	414.7	371.3	43.42	9.550	
6,100.0	6,074.9	6,097.2	6,077.0	22.3	21.8	-88.80	388.4	-325.6	413.4	369.4	44.08	9.380	
6,200.0	6,174.9	6,197.3	6,176.9	22.7	22.1	-89.40	384.1	-324.6	412.3	367.6	44.73	9.219	
6,300.0	6,274.9	6,297.7	6,277.2	23.0	22.4	-89.97	380.0	-323.2	410.9	365.5	45.38	9.055	
6,400.0	6,374.9	6,393.9	6,373.4	23.4	22.7	-90.49	376.2	-322.3	410.0	364.0	46.03	8.907	
6,429.3	6,404.3	6,421.8	6,401.3	23.5	22.8	-90.57	375.7	-322.3	410.0	363.8	46.22	8.870	
6,500.0	6,474.9	6,491.9	6,471.4	23.7	23.1	-90.61	375.3	-322.4	410.1	363.4	46.70	8.782	
6,600.0	6,574.9	6,591.5	6,570.9	24.1	23.4	-90.57	375.7	-322.5	410.2	362.8	47.38	8.657	
6,700.0	6,674.9	6,689.9	6,669.4	24.4	23.7	-90.59	375.5	-323.0	410.6	362.6	48.06	8.544	
6,800.0	6,774.9	6,791.9	6,771.4	24.7	24.1	-90.60	375.4	-323.5	411.2	362.4	48.75	8.434	
6,861.5	6,836.4	6,853.9	6,833.4	25.0	24.3	-90.62	375.3	-323.5	411.1	362.0	49.17	8.362	
6,900.0	6,874.9	6,891.5	6,871.0	25.1	24.4	-90.64	375.2	-323.5	411.2	361.8	49.43	8.319	
7,000.0	6,974.9	6,992.1	6,971.6	25.4	24.7	-90.72	374.6	-323.8	411.5	361.3	50.11	8.212	
7,100.0	7,074.9	7,092.5	7,071.9	25.8	25.1	-90.83	373.8	-323.7	411.5	360.7	50.78	8.102	
7,200.0	7,174.9	7,194.1	7,173.6	26.1	25.4	-90.92	373.1	-323.6	411.3	359.8	51.46	7.992	
7,300.0	7,274.9	7,297.1	7,276.5	26.5	25.7	-91.04	372.3	-322.8	410.5	358.4	52.15	7.873	
7,400.0	7,374.9	7,396.4	7,375.8	26.8	26.1	-91.16	371.4	-321.8	409.5	356.7	52.82	7.753	
7,500.0	7,474.9	7,498.9	7,478.3	27.2	26.4	-91.32	370.3	-320.4	408.2	354.7	53.50	7.630	
7,600.0	7,574.9	7,598.7	7,578.1	27.5	26.7	-91.52	368.9	-318.9	406.7	352.5	54.18	7.507	
7,700.0	7,674.9	7,699.3	7,678.7	27.9	27.1	-91.69	367.8	-317.1	405.0	350.2	54.86	7.383	
7,800.0	7,774.9	7,798.4	7,777.7	28.2	27.4	-91.78	367.2	-315.7	403.6	348.1	55.54	7.267	
7,900.0	7,874.9	7,898.7	7,878.0	28.6	27.7	-91.87	366.6	-314.0	402.0	345.7	56.22	7.149	
8,000.0	7,974.9	7,996.2	7,975.5	28.9	28.0	-92.02	365.6	-312.9	400.8	343.9	56.90	7.044	
8,100.0	8,074.9	8,096.4	8,075.7	29.3	28.4	-92.25	364.1	-312.0	400.0	342.4	57.58	6.946	
8,200.0	8,174.9	8,194.7	8,174.0	29.6	28.7	-92.49	362.4	-311.0	399.0	340.8	58.26	6.849	
8,239.6	8,214.5	8,232.2	8,211.5	29.8	28.8	-92.59	361.7	-310.9	398.9	340.4	58.52	6.817	
8,300.0	8,274.9	8,290.4	8,269.6	30.0	29.0	-92.77	360.5	-311.0	399.1	340.2	58.93	6.773	
8,400.0	8,374.9	8,388.0	8,367.3	30.3	29.3	-93.05	358.5	-311.8	400.1	340.5	59.60	6.712	
8,500.0	8,474.9	8,488.5	8,467.7	30.7	29.7	-93.12	357.9	-313.0	401.3	341.0	60.30	6.655	
8,600.0	8,574.9	8,582.8	8,562.0	31.0	30.0	-93.04	358.4	-314.3	402.7	341.7	60.96	6.605	
8,700.0	8,674.9	8,678.1	8,657.2	31.4	30.3	-92.76	360.2	-317.6	406.0	344.4	61.63	6.588	
8,800.0	8,774.9	8,775.7	8,754.7	31.7	30.7	-92.55	361.5	-321.4	409.8	347.5	62.31	6.577	
8,900.0	8,874.9	8,874.5	8,853.4	32.1	31.0	-92.26	363.4	-325.9	414.3	351.3	63.00	6.575	
9,000.0	8,974.9	8,972.5	8,951.3	32.4	31.4	-91.79	366.7	-330.5	418.9	355.2	63.69	6.576	
9,100.0	9,074.9	9,075.0	9,053.6	32.8	31.8	-91.32	370.0	-335.5	423.7	359.2	64.43	6.576	
9,200.0	9,174.9	9,200.3	9,178.7	33.1	32.2	-90.51	376.0	-337.8	425.5	360.2	65.28	6.519	
9,300.0	9,274.9	9,303.9	9,282.2	33.5	32.6	-89.79	381.3	-335.7	423.5	357.5	65.99	6.418	
9,400.0	9,374.9	9,399.6	9,377.9	33.8	32.9	-89.55	383.1	-333.9	421.6	354.9	66.68	6.323	
9,500.0	9,474.9	9,498.4	9,476.6	34.2	33.2	-89.58	382.8	-332.7	420.4	353.0	67.37	6.240	
9,600.0	9,574.9	9,596.5	9,574.7	34.5	33.6	-89.56	383.0	-331.7	419.4	351.3	68.06	6.162	
9,654.3	9,629.2	9,648.0	9,626.2	34.7	33.8	-89.57	382.9	-331.5	419.2	350.8	68.43	6.126	
9,700.0	9,674.9	9,691.8	9,670.0	34.9	33.9	-89.62	382.5	-331.6	419.3	350.6	68.74	6.100	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 243-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.0	9,774.9	9,788.6	9,766.8	35.3	34.2	-89.82	381.0	-332.5	420.2	350.8	69.41	6.053	
9,900.0	9,874.9	9,887.1	9,865.3	35.6	34.6	-90.14	378.7	-334.0	421.7	351.6	70.10	6.016	
10,000.0	9,974.9	9,988.0	9,966.1	36.0	34.9	-90.48	376.2	-335.4	423.1	352.3	70.79	5.977	
10,100.0	10,074.9	10,088.1	10,066.2	36.3	35.2	-90.44	376.5	-336.8	424.5	353.0	71.49	5.937	
10,200.0	10,174.9	10,188.9	10,167.0	36.7	35.6	-90.32	377.4	-338.1	425.8	353.6	72.20	5.897	
10,300.0	10,274.9	10,289.2	10,267.3	37.0	35.9	-90.35	377.2	-339.1	426.8	353.9	72.90	5.855	
10,400.0	10,374.9	10,386.4	10,364.5	37.4	36.3	-90.48	376.2	-340.4	428.2	354.6	73.58	5.819	
10,500.0	10,474.9	10,492.0	10,470.0	37.7	36.6	-90.65	374.9	-342.0	429.7	355.4	74.30	5.783	
10,600.0	10,574.9	10,594.7	10,572.8	38.1	37.0	-90.79	373.8	-341.8	429.5	354.5	75.00	5.727	
10,645.2	10,620.1	10,639.1	10,617.1	38.2	37.1	-90.84	373.5	-341.8	429.5	354.2	75.32	5.702	
10,700.0	10,674.9	10,692.2	10,670.2	38.4	37.3	-90.88	373.2	-341.9	429.6	353.9	75.69	5.676	
10,800.0	10,774.9	10,789.1	10,767.2	38.8	37.7	-90.95	372.6	-342.6	430.3	354.0	76.37	5.635	
10,900.0	10,874.9	10,883.6	10,861.6	39.1	38.0	-91.08	371.6	-344.2	432.1	355.0	77.04	5.608	
11,000.0	10,974.9	10,987.1	10,965.1	39.5	38.3	-91.31	369.8	-346.3	434.2	356.4	77.76	5.584	
11,100.0	11,074.9	11,086.1	11,064.1	39.8	38.7	-91.67	367.0	-347.9	435.8	357.4	78.44	5.556	
11,200.0	11,174.9	11,194.1	11,172.0	40.2	39.0	-92.11	363.6	-348.8	436.7	357.6	79.17	5.516	
11,300.0	11,274.9	11,295.8	11,273.6	40.6	39.4	-92.47	360.9	-348.4	436.5	356.6	79.87	5.465	
11,400.0	11,374.9	11,394.3	11,372.1	40.9	39.7	-92.87	357.9	-348.1	436.3	355.8	80.56	5.417	
11,416.0	11,390.9	11,410.2	11,387.9	41.0	39.8	-92.93	357.4	-348.1	436.3	355.7	80.67	5.409	
11,500.0	11,474.9	11,493.2	11,470.9	41.3	40.0	-93.31	354.6	-348.0	436.4	355.2	81.24	5.372	
11,600.0	11,574.9	11,584.9	11,562.2	41.6	40.3	-94.30	347.0	-348.5	437.5	355.6	81.88	5.343	SF
11,700.0	11,674.9	11,673.8	11,649.9	42.0	40.6	-96.21	332.1	-350.3	441.1	358.6	82.44	5.350	
11,800.0	11,774.9	11,757.9	11,731.6	42.3	40.9	-98.62	312.8	-353.4	447.9	365.1	82.84	5.407	
11,900.0	11,874.9	11,827.2	11,795.8	42.7	41.1	-101.75	287.3	-356.6	460.1	377.4	82.69	5.564	
12,000.0	11,974.9	11,884.0	11,841.8	43.0	41.2	-105.66	254.4	-359.5	482.3	400.7	81.52	5.916	
12,100.0	12,074.9	11,945.7	11,887.9	43.4	41.3	-110.25	213.5	-363.0	514.4	434.5	79.92	6.436	
12,200.0	12,174.9	12,009.5	11,933.7	43.7	41.5	-114.91	169.2	-365.6	553.7	475.5	78.19	7.081	
12,300.0	12,274.9	12,063.4	11,970.4	44.1	41.6	-118.79	129.7	-367.3	600.4	524.4	76.00	7.900	
12,400.0	12,374.9	12,108.3	11,999.1	44.5	41.7	-121.98	95.2	-368.2	654.0	580.5	73.48	8.900	
12,500.0	12,474.9	12,145.5	12,020.8	44.8	41.8	-124.63	65.1	-367.9	714.2	643.4	70.79	10.088	
12,600.0	12,574.9	12,182.7	12,040.8	45.2	41.9	-127.29	33.7	-366.8	780.0	711.6	68.38	11.407	
12,700.0	12,674.9	12,231.7	12,065.7	45.5	42.0	-130.68	-8.5	-364.0	849.8	783.0	66.73	12.734	
12,800.0	12,774.9	12,276.3	12,087.5	45.9	42.1	-133.64	-47.2	-360.0	922.5	857.3	65.20	14.150	
12,900.0	12,874.9	12,317.7	12,107.3	46.2	42.2	-136.22	-83.3	-356.1	998.0	934.1	63.85	15.629	
13,000.0	12,974.9	12,358.1	12,126.4	46.6	42.3	-138.57	-118.7	-352.3	1,075.6	1,012.9	62.74	17.143	
13,100.0	13,074.9	12,373.4	12,133.3	46.9	42.4	-139.42	-132.2	-350.8	1,155.6	1,094.5	61.07	18.923	
13,188.1	13,163.0	12,385.1	12,138.4	47.2	42.4	-140.06	-142.7	-349.8	1,228.0	1,168.2	59.76	20.548	
13,200.0	13,174.9	12,386.6	12,139.0	47.3	42.4	30.16	-144.1	-349.6	1,237.9	1,178.3	59.59	20.772	
13,250.0	13,224.8	12,402.0	12,145.3	47.4	42.5	26.22	-158.1	-348.2	1,278.4	1,219.2	59.11	21.626	
13,300.0	13,274.2	12,402.0	12,145.3	47.6	42.5	23.68	-158.1	-348.2	1,316.9	1,258.7	58.15	22.645	
13,350.0	13,322.8	12,402.0	12,145.3	47.7	42.5	21.60	-158.1	-348.2	1,353.5	1,296.4	57.18	23.673	
13,400.0	13,370.1	12,420.0	12,152.1	47.8	42.5	19.44	-174.7	-346.7	1,387.9	1,331.3	56.64	24.502	
13,450.0	13,415.9	12,430.5	12,155.8	48.0	42.6	17.86	-184.5	-345.8	1,420.0	1,364.1	55.89	25.406	
13,500.0	13,459.7	12,454.0	12,163.6	48.1	42.6	16.31	-206.6	-344.0	1,449.9	1,394.5	55.43	26.156	
13,550.0	13,501.3	12,454.0	12,163.6	48.2	42.6	15.44	-206.6	-344.0	1,476.9	1,422.4	54.42	27.138	
13,600.0	13,540.3	12,454.0	12,163.6	48.3	42.6	14.70	-206.6	-344.0	1,501.4	1,448.0	53.44	28.098	
13,650.0	13,576.5	12,454.0	12,163.6	48.3	42.6	14.09	-206.6	-344.0	1,523.6	1,471.1	52.49	29.025	
13,700.0	13,609.5	12,491.1	12,174.1	48.4	42.7	13.14	-242.0	-341.2	1,541.8	1,489.5	52.27	29.499	
13,750.0	13,639.1	12,504.4	12,177.4	48.5	42.8	12.61	-254.9	-340.2	1,557.6	1,506.0	51.60	30.185	
13,800.0	13,665.0	12,518.0	12,180.4	48.6	42.8	12.18	-268.0	-339.2	1,570.5	1,519.5	50.97	30.809	
13,850.0	13,687.2	12,549.0	12,186.3	48.6	42.9	11.67	-298.4	-336.9	1,580.6	1,529.9	50.64	31.212	
13,900.0	13,705.4	12,549.0	12,186.3	48.7	42.9	11.54	-298.4	-336.9	1,587.0	1,537.1	49.89	31.807	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 243-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
13,950.0	13,719.4	12,549.0	12,186.3	48.8	42.9	11.46	-298.4	-336.9	1,590.7	1,541.4	49.25	32.298	
14,000.0	13,729.2	12,549.0	12,186.3	48.8	42.9	11.44	-298.4	-336.9	1,591.7	1,543.0	48.72	32.671	
14,050.0	13,734.7	12,549.0	12,186.3	48.9	42.9	11.48	-298.4	-336.9	1,590.0	1,541.7	48.31	32.913	
14,088.1	13,736.0	12,549.0	12,186.3	49.0	42.9	11.54	-298.4	-336.9	1,586.9	1,538.8	48.08	33.003	
14,100.0	13,736.0	12,549.0	12,186.3	49.0	42.9	11.56	-298.4	-336.9	1,585.7	1,537.7	48.03	33.016	
14,200.0	13,736.0	12,604.3	12,191.6	49.2	43.1	11.38	-353.3	-333.6	1,574.9	1,527.0	47.92	32.862	
14,300.0	13,736.0	12,644.0	12,190.7	49.4	43.3	11.26	-393.0	-332.3	1,572.6	1,524.6	48.04	32.738	
14,318.6	13,736.0	12,644.0	12,190.7	49.4	43.3	11.26	-393.0	-332.3	1,572.5	1,524.4	48.11	32.688	
14,400.0	13,736.0	14,400.0	12,188.7	49.7	50.0	11.03	-454.4	-330.3	1,573.6	1,521.5	52.18	30.161	
14,500.0	13,736.0	12,929.5	12,190.8	50.0	44.5	10.50	-678.2	-320.2	1,570.7	1,522.0	48.72	32.242	
14,546.0	13,736.0	12,956.9	12,191.8	50.1	44.6	10.49	-705.5	-318.7	1,568.6	1,519.7	48.87	32.097	
14,600.0	13,736.0	12,988.7	12,192.5	50.4	44.8	10.44	-737.2	-317.0	1,566.8	1,517.7	49.09	31.919	
14,700.0	13,736.0	13,060.5	12,192.7	50.8	45.2	10.30	-808.9	-312.6	1,565.5	1,515.9	49.57	31.581	
14,769.8	13,736.0	13,124.8	12,192.3	51.1	45.6	10.15	-873.0	-308.0	1,565.2	1,515.2	49.93	31.350	
14,800.0	13,736.0	13,120.0	12,192.3	51.3	45.6	10.16	-868.2	-308.4	1,565.5	1,515.3	50.15	31.217	
14,900.0	13,736.0	13,170.7	12,190.7	51.8	45.9	10.07	-918.8	-306.0	1,568.4	1,517.5	50.90	30.814	
15,000.0	13,736.0	13,216.0	12,187.4	52.4	46.2	10.08	-964.0	-306.3	1,575.5	1,523.7	51.85	30.385	
15,100.0	13,736.0	13,463.0	12,177.9	53.0	48.0	10.15	-1,210.6	-308.5	1,579.8	1,527.6	52.21	30.256	
15,200.0	13,736.0	13,617.5	12,181.0	53.6	49.2	9.89	-1,364.8	-299.8	1,576.8	1,523.9	52.98	29.764	
15,300.0	13,736.0	13,692.0	12,182.3	54.3	49.9	9.74	-1,439.1	-294.8	1,573.9	1,520.2	53.68	29.318	
15,400.0	13,736.0	13,778.7	12,183.4	55.1	50.6	9.68	-1,525.8	-292.5	1,572.2	1,517.7	54.50	28.845	
15,500.0	13,736.0	13,894.7	12,186.7	55.9	51.7	9.80	-1,641.7	-294.6	1,569.8	1,514.3	55.49	28.291	
15,600.0	13,736.0	13,970.7	12,188.7	56.7	52.4	9.90	-1,717.6	-296.6	1,567.8	1,511.3	56.44	27.777	
15,700.0	13,736.0	14,135.2	12,196.2	57.6	54.1	10.22	-1,881.8	-302.9	1,563.7	1,506.1	57.69	27.107	
15,800.0	13,736.0	14,237.7	12,203.0	58.4	55.1	10.48	-1,983.9	-308.4	1,558.3	1,499.4	58.84	26.484	
15,900.0	13,736.0	14,337.5	12,209.9	59.4	56.2	10.79	-2,083.3	-315.0	1,552.8	1,492.7	60.04	25.864	
16,000.0	13,736.0	14,453.7	12,218.0	60.3	57.5	11.05	-2,199.1	-319.9	1,546.9	1,485.6	61.29	25.238	
16,100.0	13,736.0	14,567.6	12,226.6	61.3	58.8	11.16	-2,312.7	-320.4	1,539.7	1,477.2	62.50	24.637	
16,200.0	13,736.0	14,645.8	12,231.9	62.3	59.7	11.20	-2,390.7	-320.0	1,533.0	1,469.4	63.57	24.115	
16,300.0	13,736.0	14,748.4	12,238.0	63.4	60.9	11.20	-2,493.1	-318.1	1,526.9	1,462.2	64.72	23.594	
16,400.0	13,736.0	14,855.3	12,245.0	64.4	62.2	11.16	-2,599.7	-314.9	1,520.0	1,454.1	65.87	23.074	
16,500.0	13,736.0	14,916.0	12,248.1	65.5	62.9	11.14	-2,660.3	-313.5	1,514.6	1,447.7	66.96	22.620	
16,600.0	13,736.0	15,033.7	12,253.2	66.6	64.4	11.11	-2,777.8	-310.9	1,510.1	1,442.0	68.18	22.151	
16,700.0	13,736.0	15,105.0	12,256.1	67.8	65.3	11.08	-2,849.1	-309.1	1,505.8	1,436.5	69.33	21.719	
16,800.0	13,736.0	15,173.1	12,257.6	68.9	66.1	11.07	-2,917.2	-308.2	1,503.5	1,433.0	70.54	21.315	
16,900.0	13,736.0	15,264.2	12,257.9	70.1	67.3	11.06	-3,008.2	-307.1	1,503.0	1,431.2	71.78	20.941	
17,000.0	13,736.0	15,380.4	12,259.1	71.3	68.8	11.00	-3,124.4	-304.7	1,501.7	1,428.7	73.02	20.566	
17,100.0	13,736.0	15,501.3	12,261.7	72.5	70.3	10.96	-3,245.2	-302.3	1,499.3	1,425.1	74.29	20.182	
17,200.0	13,736.0	15,562.2	12,262.7	73.7	71.2	10.95	-3,306.2	-301.5	1,497.6	1,422.0	75.56	19.819	
17,220.6	13,736.0	15,575.0	12,262.7	74.0	71.3	10.95	-3,319.0	-301.4	1,497.5	1,421.7	75.83	19.748	
17,300.0	13,736.0	15,638.6	12,262.3	75.0	72.2	10.95	-3,382.5	-301.2	1,498.1	1,421.2	76.88	19.487	
17,400.0	13,736.0	15,738.6	12,261.2	76.2	73.5	10.97	-3,482.6	-301.3	1,499.3	1,421.1	78.21	19.169	
17,500.0	13,736.0	15,851.5	12,260.6	77.5	75.0	11.00	-3,595.5	-301.5	1,499.9	1,420.4	79.57	18.850	
17,600.0	13,736.0	15,940.0	12,260.4	78.8	76.2	11.02	-3,684.0	-301.4	1,500.3	1,419.4	80.93	18.538	
17,700.0	13,736.0	16,020.5	12,259.4	80.1	77.3	11.09	-3,764.5	-302.9	1,501.9	1,419.6	82.35	18.239	
17,800.0	13,736.0	16,102.7	12,257.5	81.4	78.4	11.15	-3,846.5	-304.5	1,504.8	1,421.0	83.77	17.963	
17,900.0	13,736.0	16,188.9	12,254.5	82.8	79.6	11.23	-3,932.7	-306.6	1,508.8	1,423.5	85.22	17.705	
18,000.0	13,736.0	16,288.6	12,250.5	84.1	81.0	11.31	-4,032.3	-309.1	1,513.3	1,426.6	86.68	17.459	
18,100.0	13,736.0	16,397.9	12,246.8	85.5	82.6	11.40	-4,141.5	-311.5	1,517.1	1,429.0	88.15	17.211	
18,200.0	13,736.0	16,498.2	12,243.4	86.8	84.0	11.48	-4,241.8	-313.6	1,521.0	1,431.4	89.62	16.971	
18,300.0	13,736.0	16,601.5	12,240.4	88.2	85.4	11.58	-4,344.9	-316.4	1,524.5	1,433.4	91.13	16.728	
18,400.0	13,736.0	16,708.1	12,237.5	89.6	87.0	11.70	-4,451.5	-319.5	1,527.9	1,435.3	92.67	16.487	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 243-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
18,500.0	13,736.0	16,803.3	12,235.3	91.0	88.3	11.82	-4,546.5	-322.7	1,531.0	1,436.8	94.22	16.249	
18,600.0	13,736.0	16,888.8	12,232.8	92.4	89.5	11.96	-4,632.0	-326.5	1,534.9	1,439.1	95.80	16.022	
18,700.0	13,736.0	16,986.5	12,229.4	93.8	91.0	12.13	-4,729.5	-331.4	1,539.5	1,442.1	97.43	15.802	
18,800.0	13,736.0	17,081.9	12,226.3	95.2	92.3	12.30	-4,824.7	-336.2	1,543.9	1,444.8	99.06	15.586	
18,900.0	13,736.0	17,156.3	12,222.9	96.6	93.4	12.41	-4,898.9	-339.2	1,549.4	1,448.8	100.61	15.399	
19,000.0	13,736.0	17,214.5	12,218.9	98.0	94.3	12.47	-4,957.0	-341.5	1,557.2	1,455.0	102.11	15.249	
19,100.0	13,736.0	17,295.7	12,211.2	99.5	95.5	12.52	-5,037.7	-344.2	1,567.1	1,463.5	103.62	15.124	
19,200.0	13,736.0	17,394.9	12,201.0	100.9	96.9	12.49	-5,136.5	-344.9	1,577.4	1,472.4	105.06	15.014	
19,300.0	13,736.0	17,481.6	12,191.6	102.4	98.2	12.40	-5,222.6	-343.8	1,588.0	1,481.6	106.42	14.921	
19,400.0	13,736.0	17,581.4	12,179.6	103.8	99.7	12.25	-5,321.6	-341.7	1,599.4	1,491.6	107.75	14.843	
19,500.0	13,736.0	17,849.0	12,159.9	105.3	103.7	11.87	-5,588.2	-333.3	1,607.5	1,498.5	109.06	14.740	
19,600.0	13,736.0	17,966.0	12,159.3	106.7	105.5	11.81	-5,705.2	-331.1	1,607.7	1,497.2	110.52	14.547	
19,700.0	13,736.0	18,091.0	12,160.5	108.2	107.4	11.77	-5,830.1	-328.8	1,606.6	1,494.6	111.99	14.346	
19,800.0	13,736.0	18,181.0	12,161.9	109.7	108.7	11.75	-5,920.1	-327.5	1,604.9	1,491.4	113.50	14.140	
19,900.0	13,736.0	18,331.7	12,167.2	111.2	111.0	11.71	-6,070.7	-324.2	1,600.6	1,485.7	114.96	13.924	
20,000.0	13,736.0	18,402.0	12,169.6	112.7	112.1	11.68	-6,141.0	-322.4	1,597.0	1,480.5	116.47	13.711	
20,100.0	13,736.0	18,474.0	12,170.4	114.2	113.2	11.66	-6,212.9	-321.3	1,595.5	1,477.5	117.99	13.522	
20,114.3	13,736.0	18,474.0	12,170.4	114.4	113.2	11.66	-6,212.9	-321.3	1,595.5	1,477.3	118.21	13.497	
20,200.0	13,736.0	18,531.1	12,169.9	115.7	114.1	11.64	-6,270.0	-320.7	1,596.2	1,476.7	119.49	13.358	
20,300.0	13,736.0	18,805.0	12,182.2	117.2	118.3	11.21	-6,542.7	-304.2	1,587.5	1,467.1	120.40	13.185	
20,400.0	13,736.0	18,882.9	12,187.8	118.7	119.5	11.05	-6,620.3	-298.2	1,579.1	1,457.3	121.80	12.964	
20,500.0	13,736.0	18,966.6	12,192.7	120.2	120.8	10.87	-6,703.6	-291.7	1,572.0	1,448.8	123.17	12.763	
20,600.0	13,736.0	19,063.2	12,197.8	121.7	122.3	10.63	-6,799.6	-283.4	1,565.3	1,440.9	124.43	12.580	
20,700.0	13,736.0	19,141.0	12,201.1	123.2	123.5	10.39	-6,877.0	-275.6	1,559.4	1,433.7	125.74	12.402	
20,800.0	13,736.0	19,215.7	12,203.2	124.7	124.7	10.17	-6,951.3	-268.6	1,555.1	1,428.0	127.05	12.240	
20,900.0	13,736.0	19,300.3	12,204.5	126.2	126.0	9.96	-7,035.6	-262.0	1,552.3	1,423.9	128.36	12.093	
21,000.0	13,736.0	19,380.8	12,205.0	127.8	127.3	9.74	-7,115.9	-255.4	1,550.4	1,420.7	129.66	11.957	
21,100.0	13,736.0	19,464.5	12,204.5	129.3	128.6	9.53	-7,199.3	-249.3	1,549.9	1,419.0	130.98	11.834	
21,125.9	13,736.0	19,489.2	12,204.2	129.7	129.0	9.48	-7,224.0	-247.9	1,549.9	1,418.6	131.32	11.803	
21,200.0	13,736.0	19,550.4	12,203.7	130.8	129.9	9.38	-7,285.2	-244.9	1,550.1	1,417.8	132.34	11.713	
21,300.0	13,736.0	19,622.9	12,202.0	132.4	131.1	9.29	-7,357.6	-242.3	1,551.9	1,418.1	133.76	11.602	
21,400.0	13,736.0	19,700.3	12,199.1	133.9	132.3	9.22	-7,434.9	-240.1	1,555.2	1,420.0	135.17	11.506	
21,500.0	13,736.0	19,778.4	12,195.2	135.4	133.5	9.17	-7,512.9	-238.9	1,560.0	1,423.4	136.60	11.420	
21,600.0	13,736.0	19,915.7	12,189.1	137.0	135.6	9.22	-7,650.0	-240.6	1,564.8	1,426.5	138.27	11.317	
21,700.0	13,736.0	20,019.3	12,187.1	138.5	137.2	9.36	-7,753.5	-243.9	1,567.4	1,427.4	139.97	11.198	
21,800.0	13,736.0	20,093.0	12,184.7	140.1	138.4	9.47	-7,827.1	-247.1	1,571.3	1,429.7	141.60	11.097	
21,900.0	13,736.0	20,221.9	12,180.4	141.6	140.4	9.69	-7,955.8	-253.2	1,575.7	1,432.2	143.48	10.982	
22,000.0	13,736.0	20,354.6	12,179.8	143.2	142.4	9.88	-8,088.5	-257.6	1,576.6	1,431.3	145.30	10.851	
22,100.0	13,736.0	20,439.7	12,179.5	144.7	143.8	9.99	-8,173.5	-260.2	1,577.6	1,430.6	146.99	10.733	
22,200.0	13,736.0	20,509.9	12,178.5	146.3	144.9	10.11	-8,243.6	-263.3	1,580.0	1,431.3	148.66	10.628	
22,300.0	13,736.0	20,577.8	12,175.9	147.8	145.9	10.23	-8,311.4	-266.6	1,584.6	1,434.3	150.30	10.543	
22,400.0	13,736.0	20,710.0	12,170.8	149.4	148.0	10.42	-8,443.4	-272.3	1,589.3	1,437.1	152.23	10.440	
22,500.0	13,736.0	20,842.7	12,167.9	151.0	150.1	10.41	-8,576.0	-271.8	1,591.5	1,437.6	153.84	10.345	
22,600.0	13,736.0	20,913.7	12,166.3	152.5	151.2	10.39	-8,647.0	-270.9	1,593.7	1,438.3	155.34	10.259	
22,700.0	13,736.0	20,990.2	12,163.1	154.1	152.4	10.38	-8,723.4	-270.7	1,597.8	1,441.0	156.83	10.188	
22,800.0	13,736.0	21,306.9	12,165.4	155.7	157.4	10.00	-9,039.0	-257.6	1,598.0	1,440.4	157.66	10.136	
22,900.0	13,736.0	21,385.6	12,170.5	157.2	158.7	9.75	-9,117.1	-249.2	1,589.8	1,430.8	158.98	10.000	
23,000.0	13,736.0	21,460.4	12,174.4	158.8	159.9	9.51	-9,191.5	-241.4	1,583.1	1,422.8	160.33	9.874	
23,100.0	13,736.0	21,532.9	12,176.9	160.4	161.1	9.28	-9,263.5	-233.9	1,578.1	1,416.4	161.66	9.761	
23,200.0	13,736.0	21,601.4	12,178.1	162.0	162.2	9.06	-9,331.7	-227.3	1,574.9	1,411.9	163.00	9.662	
23,300.0	13,736.0	21,672.2	12,178.0	163.5	163.3	8.84	-9,402.2	-220.9	1,573.7	1,409.4	164.30	9.578	
23,314.5	13,736.0	21,682.5	12,177.9	163.8	163.5	8.81	-9,412.5	-220.0	1,573.7	1,409.2	164.49	9.567	

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

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 243-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
23,400.0	13,736.0	21,743.5	12,176.6	165.1	164.5	8.61	-9,473.2	-214.3	1,574.4	1,408.8	165.55	9.510	
23,500.0	13,736.0	21,806.0	12,174.3	166.7	165.5	8.41	-9,535.4	-208.6	1,576.9	1,410.1	166.77	9.455	
23,600.0	13,736.0	21,881.9	12,170.0	168.3	166.7	8.17	-9,610.9	-201.9	1,581.4	1,413.4	167.94	9.416	
23,700.0	13,736.0	21,949.7	12,164.9	169.8	167.8	7.95	-9,678.2	-196.2	1,587.9	1,418.8	169.08	9.391	
23,800.0	13,736.0	22,016.2	12,158.5	171.4	168.8	7.75	-9,744.2	-191.1	1,596.4	1,426.3	170.17	9.381	
23,900.0	13,736.0	22,079.7	12,151.1	173.0	169.9	7.57	-9,807.1	-186.6	1,607.2	1,436.0	171.22	9.387	
24,000.0	13,736.0	22,144.5	12,142.2	174.6	170.9	7.39	-9,871.2	-182.5	1,620.1	1,447.9	172.23	9.407	
24,037.2	13,736.0	22,168.7	12,138.5	175.2	171.3	7.33	-9,895.1	-181.0	1,625.5	1,452.9	172.59	9.418	
24,037.7	13,736.0	22,169.0	12,138.4	175.2	171.3	7.33	-9,895.3	-181.0	1,625.5	1,453.3	172.21	9.439	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #228H - Wellbore #1 - BLM Plan #2 — **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	-90.37	-0.2	-30.0	30.0				
100.0	100.0	101.0	99.0	0.1	0.1	-90.37	-0.2	-30.0	30.0	29.8	0.26	114.739	
200.0	200.0	201.0	199.0	0.5	0.5	-90.37	-0.2	-30.0	30.0	29.0	0.98	30.681	
300.0	300.0	301.0	299.0	0.8	0.9	-90.37	-0.2	-30.0	30.0	28.3	1.70	17.708	
400.0	400.0	401.0	399.0	1.2	1.2	-90.37	-0.2	-30.0	30.0	27.6	2.41	12.446	
500.0	500.0	501.0	499.0	1.6	1.6	-90.37	-0.2	-30.0	30.0	26.9	3.13	9.594	
600.0	600.0	601.0	599.0	1.9	1.9	-90.37	-0.2	-30.0	30.0	26.2	3.85	7.806	
700.0	700.0	701.0	699.0	2.3	2.3	-90.37	-0.2	-30.0	30.0	25.5	4.56	6.580	
800.0	800.0	801.0	799.0	2.6	2.6	-90.37	-0.2	-30.0	30.0	24.7	5.28	5.686	
900.0	900.0	901.0	899.0	3.0	3.0	-90.37	-0.2	-30.0	30.0	24.0	6.00	5.007	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-90.37	-0.2	-30.0	30.0	23.3	6.71	4.472	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-90.37	-0.2	-30.0	30.0	22.6	7.43	4.040	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-90.37	-0.2	-30.0	30.0	21.9	8.15	3.685	
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-90.37	-0.2	-30.0	30.0	21.2	8.87	3.387	
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-90.37	-0.2	-30.0	30.0	20.4	9.58	3.134	
1,500.0	1,500.0	1,499.0	1,499.0	5.1	5.1	-90.37	-0.2	-30.0	30.0	19.7	10.29	2.917	
1,600.0	1,600.0	1,599.3	1,599.3	5.5	5.5	-89.12	0.5	-29.5	29.5	18.5	11.01	2.677	
1,700.0	1,700.0	1,699.6	1,699.6	5.9	5.9	-85.01	2.4	-27.7	27.9	16.1	11.72	2.377	
1,800.0	1,800.0	1,799.8	1,799.6	6.2	6.2	-77.07	5.7	-24.9	25.5	13.1	12.43	2.053	
1,900.0	1,900.0	1,899.8	1,899.5	6.6	6.6	-78.83	10.3	-20.9	23.1	9.9	13.15	1.756	
2,000.0	2,000.0	1,999.7	1,999.1	6.9	6.9	-65.18	16.2	-15.7	20.9	7.0	13.87	1.506	
2,100.0	2,099.9	2,099.5	2,098.4	7.3	7.3	-48.36	23.4	-9.4	19.3	4.8	14.58	1.326	Level 3
2,168.2	2,167.9	2,167.4	2,165.9	7.5	7.5	-35.14	29.1	-4.5	19.0	3.9	15.06	1.260	Level 3, CC
2,200.0	2,199.7	2,199.1	2,197.4	7.7	7.7	-28.67	31.9	-2.0	19.1	3.8	15.28	1.247	Level 2, ES, SF
2,300.0	2,299.4	2,301.4	2,296.1	8.0	8.0	-8.47	41.7	6.5	20.6	4.7	15.95	1.293	Level 3
2,400.0	2,398.9	2,401.6	2,394.8	8.4	8.4	8.61	52.1	15.6	23.4	6.8	16.63	1.407	Level 3
2,500.0	2,498.3	2,501.8	2,493.6	8.7	8.8	22.60	62.6	24.8	26.1	8.8	17.33	1.508	
2,600.0	2,597.4	2,602.1	2,592.4	9.1	9.2	35.34	73.1	33.9	28.7	10.6	18.05	1.589	
2,700.0	2,696.4	2,702.3	2,691.2	9.5	9.6	46.73	83.5	43.0	31.8	13.0	18.80	1.690	
2,800.0	2,795.5	2,802.5	2,790.0	9.9	10.0	55.82	94.0	52.1	35.9	16.3	19.57	1.834	
2,900.0	2,894.5	2,902.7	2,888.8	10.2	10.3	62.90	104.5	61.3	40.7	20.4	20.35	2.001	
3,000.0	2,993.5	3,003.0	2,987.6	10.6	10.7	68.43	114.9	70.4	46.0	24.9	21.13	2.178	
3,100.0	3,092.5	3,103.2	3,086.4	11.0	11.1	72.77	125.4	79.5	51.7	29.8	21.92	2.358	
3,200.0	3,191.6	3,203.4	3,185.3	11.4	11.5	76.25	135.9	88.7	57.6	34.9	22.72	2.535	
3,300.0	3,290.6	3,303.7	3,284.1	11.8	11.9	79.07	146.3	97.8	63.6	40.1	23.51	2.707	
3,400.0	3,389.6	3,403.9	3,382.9	12.2	12.3	81.40	156.8	106.9	69.8	45.5	24.31	2.873	
3,500.0	3,488.6	3,504.1	3,481.7	12.6	12.7	83.35	167.2	116.0	76.1	51.0	25.10	3.032	
3,600.0	3,587.7	3,604.3	3,580.5	13.0	13.1	85.00	177.7	125.2	82.5	56.6	25.90	3.184	
3,700.0	3,686.7	3,704.6	3,679.3	13.4	13.5	86.41	188.2	134.3	88.9	62.2	26.70	3.329	
3,800.0	3,785.7	3,795.2	3,778.1	13.8	13.9	87.63	198.6	143.4	95.4	67.9	27.47	3.471	
3,900.0	3,884.8	3,895.0	3,876.9	14.1	14.3	88.69	209.1	152.6	101.9	73.6	28.27	3.603	
4,000.0	3,983.8	4,005.3	3,975.7	14.5	14.8	89.63	219.6	161.7	108.4	79.3	29.11	3.723	
4,100.0	4,082.8	4,094.5	4,074.5	14.9	15.1	90.46	230.0	170.8	114.9	85.1	29.87	3.848	
4,200.0	4,181.8	4,205.7	4,173.3	15.3	15.6	91.20	240.5	179.9	121.5	90.8	30.72	3.955	
4,300.0	4,280.9	4,294.1	4,272.1	15.8	15.9	91.87	251.0	189.1	128.1	96.6	31.48	4.069	
4,400.0	4,379.9	4,406.2	4,370.9	16.2	16.4	92.47	261.4	198.2	134.7	102.4	32.34	4.166	
4,500.0	4,478.9	4,506.4	4,469.7	16.6	16.8	93.01	271.9	207.3	141.4	108.2	33.15	4.264	
4,600.0	4,577.9	4,593.4	4,568.5	17.0	17.2	93.51	282.3	216.4	148.0	114.1	33.91	4.365	
4,700.0	4,677.0	4,706.9	4,667.3	17.4	17.6	93.96	292.8	225.6	154.6	119.9	34.77	4.447	
4,732.6	4,709.2	4,725.6	4,699.4	17.5	17.7	94.10	296.2	228.6	156.8	121.8	34.98	4.483	
4,800.0	4,776.1	4,807.1	4,766.1	17.8	18.0	94.23	303.3	234.7	161.3	125.7	35.58	4.532	
4,900.0	4,875.5	4,907.3	4,864.9	18.2	18.4	93.67	313.7	243.8	167.7	131.3	36.36	4.612	

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 #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #228H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,975.1	5,007.6	4,963.6	18.5	18.8	92.29	324.2	253.0	174.0	136.9	37.12	4.688	
5,100.0	5,075.0	5,108.0	5,062.2	18.9	19.3	90.19	334.6	262.1	180.5	142.6	37.86	4.767	
5,200.0	5,174.9	5,191.3	5,160.6	19.3	19.6	87.46	345.1	271.2	187.2	148.7	38.49	4.865	
5,265.9	5,240.8	5,256.6	5,225.3	19.5	19.9	98.36	351.9	277.1	192.1	153.1	38.93	4.933	
5,300.0	5,274.9	5,290.9	5,259.2	19.6	20.0	97.18	355.5	280.2	194.7	155.5	39.16	4.971	
5,400.0	5,374.9	5,393.2	5,360.8	19.9	20.4	94.25	364.8	288.4	201.7	161.9	39.86	5.061	
5,500.0	5,474.9	5,496.2	5,463.3	20.3	20.8	92.09	372.2	294.8	207.6	167.0	40.55	5.119	
5,600.0	5,574.9	5,599.6	5,566.4	20.6	21.2	90.61	377.5	299.5	211.9	170.7	41.24	5.139	
5,700.0	5,674.9	5,703.3	5,670.1	21.0	21.6	89.75	380.7	302.2	214.6	172.7	41.92	5.119	
5,800.0	5,774.9	5,807.2	5,773.9	21.3	21.9	89.47	381.8	303.2	215.5	172.9	42.60	5.059	
5,900.0	5,874.9	5,907.2	5,873.9	21.6	22.3	89.47	381.8	303.2	215.5	172.2	43.28	4.980	
6,000.0	5,974.9	6,007.2	5,973.9	22.0	22.6	89.47	381.8	303.2	215.5	171.6	43.96	4.902	
6,100.0	6,074.9	6,107.2	6,073.9	22.3	22.9	89.47	381.8	303.2	215.5	170.9	44.64	4.827	
6,200.0	6,174.9	6,207.2	6,173.9	22.7	23.3	89.47	381.8	303.2	215.5	170.2	45.33	4.754	
6,300.0	6,274.9	6,307.2	6,273.9	23.0	23.6	89.47	381.8	303.2	215.5	169.5	46.01	4.684	
6,400.0	6,374.9	6,407.2	6,373.9	23.4	23.9	89.47	381.8	303.2	215.5	168.8	46.70	4.615	
6,500.0	6,474.9	6,507.2	6,473.9	23.7	24.3	89.47	381.8	303.2	215.5	168.1	47.39	4.548	
6,600.0	6,574.9	6,607.2	6,573.9	24.1	24.6	89.47	381.8	303.2	215.5	167.4	48.08	4.483	
6,700.0	6,674.9	6,707.2	6,673.9	24.4	24.9	89.47	381.8	303.2	215.5	166.7	48.77	4.419	
6,800.0	6,774.9	6,807.2	6,773.9	24.7	25.3	89.47	381.8	303.2	215.5	166.1	49.46	4.358	
6,900.0	6,874.9	6,907.2	6,873.9	25.1	25.6	89.47	381.8	303.2	215.5	165.4	50.15	4.298	
7,000.0	6,974.9	7,007.2	6,973.9	25.4	25.9	89.47	381.8	303.2	215.5	164.7	50.84	4.239	
7,100.0	7,074.9	7,107.2	7,073.9	25.8	26.3	89.47	381.8	303.2	215.5	164.0	51.53	4.182	
7,200.0	7,174.9	7,207.2	7,173.9	26.1	26.6	89.47	381.8	303.2	215.5	163.3	52.22	4.127	
7,300.0	7,274.9	7,307.2	7,273.9	26.5	27.0	89.47	381.8	303.2	215.5	162.6	52.92	4.073	
7,400.0	7,374.9	7,407.2	7,373.9	26.8	27.3	89.47	381.8	303.2	215.5	161.9	53.61	4.020	
7,500.0	7,474.9	7,507.2	7,473.9	27.2	27.6	89.47	381.8	303.2	215.5	161.2	54.31	3.968	
7,600.0	7,574.9	7,607.2	7,573.9	27.5	28.0	89.47	381.8	303.2	215.5	160.5	55.00	3.918	
7,700.0	7,674.9	7,707.2	7,673.9	27.9	28.3	89.47	381.8	303.2	215.5	159.8	55.70	3.869	
7,800.0	7,774.9	7,807.2	7,773.9	28.2	28.7	89.47	381.8	303.2	215.5	159.1	56.39	3.822	
7,900.0	7,874.9	7,907.2	7,873.9	28.6	29.0	89.47	381.8	303.2	215.5	158.4	57.09	3.775	
8,000.0	7,974.9	8,007.2	7,973.9	28.9	29.4	89.47	381.8	303.2	215.5	157.7	57.79	3.729	
8,100.0	8,074.9	8,107.2	8,073.9	29.3	29.7	89.47	381.8	303.2	215.5	157.0	58.49	3.685	
8,200.0	8,174.9	8,207.2	8,173.9	29.6	30.0	89.47	381.8	303.2	215.5	156.3	59.18	3.641	
8,300.0	8,274.9	8,307.2	8,273.9	30.0	30.4	89.47	381.8	303.2	215.5	155.6	59.88	3.599	
8,400.0	8,374.9	8,407.2	8,373.9	30.3	30.7	89.47	381.8	303.2	215.5	154.9	60.58	3.557	
8,500.0	8,474.9	8,507.2	8,473.9	30.7	31.1	89.47	381.8	303.2	215.5	154.2	61.28	3.517	
8,600.0	8,574.9	8,607.2	8,573.9	31.0	31.4	89.47	381.8	303.2	215.5	153.5	61.98	3.477	
8,700.0	8,674.9	8,707.2	8,673.9	31.4	31.8	89.47	381.8	303.2	215.5	152.8	62.68	3.438	
8,800.0	8,774.9	8,807.2	8,773.9	31.7	32.1	89.47	381.8	303.2	215.5	152.1	63.38	3.400	
8,900.0	8,874.9	8,907.2	8,873.9	32.1	32.5	89.47	381.8	303.2	215.5	151.4	64.08	3.363	
9,000.0	8,974.9	9,007.2	8,973.9	32.4	32.8	89.47	381.8	303.2	215.5	150.7	64.79	3.327	
9,100.0	9,074.9	9,107.2	9,073.9	32.8	33.2	89.47	381.8	303.2	215.5	150.0	65.49	3.291	
9,200.0	9,174.9	9,207.2	9,173.9	33.1	33.5	89.47	381.8	303.2	215.5	149.3	66.19	3.256	
9,300.0	9,274.9	9,307.2	9,273.9	33.5	33.9	89.47	381.8	303.2	215.5	148.6	66.89	3.222	
9,400.0	9,374.9	9,407.2	9,373.9	33.8	34.2	89.47	381.8	303.2	215.5	147.9	67.59	3.188	
9,500.0	9,474.9	9,507.2	9,473.9	34.2	34.5	89.47	381.8	303.2	215.5	147.2	68.30	3.155	
9,600.0	9,574.9	9,607.2	9,573.9	34.5	34.9	89.47	381.8	303.2	215.5	146.5	69.00	3.123	
9,700.0	9,674.9	9,707.2	9,673.9	34.9	35.2	89.47	381.8	303.2	215.5	145.8	69.70	3.092	
9,800.0	9,774.9	9,807.2	9,773.9	35.3	35.6	89.47	381.8	303.2	215.5	145.1	70.41	3.061	
9,900.0	9,874.9	9,907.2	9,873.9	35.6	35.9	89.47	381.8	303.2	215.5	144.4	71.11	3.031	
10,000.0	9,974.9	10,007.2	9,973.9	36.0	36.3	89.47	381.8	303.2	215.5	143.7	71.82	3.001	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #228H - Wellbore #1 - BLM Plan #2 — **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	10,074.9	10,107.2	10,073.9	36.3	36.6	89.47	381.8	303.2	215.5	143.0	72.52	2.972	
10,200.0	10,174.9	10,207.2	10,173.9	36.7	37.0	89.47	381.8	303.2	215.5	142.3	73.23	2.943	
10,300.0	10,274.9	10,307.2	10,273.9	37.0	37.3	89.47	381.8	303.2	215.5	141.6	73.93	2.915	
10,400.0	10,374.9	10,407.2	10,373.9	37.4	37.7	89.47	381.8	303.2	215.5	140.9	74.64	2.887	
10,500.0	10,474.9	10,507.2	10,473.9	37.7	38.0	89.47	381.8	303.2	215.5	140.2	75.34	2.860	
10,600.0	10,574.9	10,607.2	10,573.9	38.1	38.4	89.47	381.8	303.2	215.5	139.5	76.05	2.834	
10,700.0	10,674.9	10,707.2	10,673.9	38.4	38.7	89.47	381.8	303.2	215.5	138.8	76.75	2.808	
10,800.0	10,774.9	10,807.2	10,773.9	38.8	39.1	89.47	381.8	303.2	215.5	138.1	77.46	2.782	
10,900.0	10,874.9	10,907.2	10,873.9	39.1	39.4	89.47	381.8	303.2	215.5	137.3	78.17	2.757	
11,000.0	10,974.9	11,007.2	10,973.9	39.5	39.8	89.47	381.8	303.2	215.5	136.6	78.87	2.732	
11,100.0	11,074.9	11,107.2	11,073.9	39.8	40.1	89.47	381.8	303.2	215.5	135.9	79.58	2.708	
11,200.0	11,174.9	11,207.2	11,173.9	40.2	40.5	89.47	381.8	303.2	215.5	135.2	80.29	2.684	
11,300.0	11,274.9	11,307.2	11,273.9	40.6	40.8	89.47	381.8	303.2	215.5	134.5	80.99	2.661	
11,400.0	11,374.9	11,407.2	11,373.9	40.9	41.2	89.47	381.8	303.2	215.5	133.8	81.70	2.638	
11,500.0	11,474.9	11,507.2	11,473.9	41.3	41.5	89.47	381.8	303.2	215.5	133.1	82.41	2.615	
11,600.0	11,574.9	11,607.2	11,573.9	41.6	41.9	89.47	381.8	303.2	215.5	132.4	83.12	2.593	
11,700.0	11,674.9	11,707.2	11,673.9	42.0	42.2	89.47	381.8	303.2	215.5	131.7	83.82	2.571	
11,800.0	11,774.9	11,807.2	11,773.9	42.3	42.6	89.47	381.8	303.2	215.5	131.0	84.53	2.549	
11,900.0	11,874.9	11,907.2	11,873.9	42.7	42.9	89.47	381.8	303.2	215.5	130.3	85.24	2.528	
12,000.0	11,974.9	12,007.2	11,973.9	43.0	43.3	89.47	381.8	303.2	215.5	129.6	85.95	2.507	
12,100.0	12,074.9	12,107.2	12,073.9	43.4	43.6	89.47	381.8	303.2	215.5	128.9	86.66	2.487	
12,200.0	12,174.9	12,208.2	12,174.8	43.7	44.0	90.57	377.6	303.0	215.3	128.0	87.35	2.465	
12,245.8	12,220.8	12,253.8	12,219.8	43.9	44.1	92.50	370.4	302.7	215.2	127.5	87.67	2.455	
12,300.0	12,274.9	12,305.8	12,270.1	44.1	44.2	95.85	357.8	302.1	215.6	127.6	88.05	2.449	
12,400.0	12,374.9	12,394.3	12,352.7	44.5	44.4	104.17	326.0	300.7	220.8	132.3	88.44	2.496	
12,500.0	12,474.9	12,471.6	12,420.0	44.8	44.6	113.43	288.1	299.1	236.6	149.1	87.49	2.705	
12,600.0	12,574.9	12,537.3	12,472.8	45.2	44.7	121.92	249.1	297.4	267.0	182.5	84.51	3.159	
12,700.0	12,674.9	12,592.5	12,513.4	45.5	44.8	128.91	211.8	295.7	311.9	231.8	80.09	3.894	
12,800.0	12,774.9	12,638.7	12,544.6	45.9	44.8	134.36	177.7	294.3	368.9	293.6	75.32	4.898	
12,900.0	12,874.9	12,677.5	12,568.5	46.2	44.9	138.56	147.2	292.9	435.3	364.4	70.92	6.137	
13,000.0	12,974.9	12,710.2	12,587.0	46.6	44.9	141.81	120.3	291.8	508.6	441.4	67.17	7.572	
13,100.0	13,074.9	12,738.1	12,601.6	46.9	44.9	144.36	96.6	290.7	586.9	522.9	64.07	9.162	
13,188.1	13,163.0	12,750.0	12,607.5	47.2	44.9	145.39	86.2	290.3	659.3	598.1	61.26	10.762	
13,200.0	13,174.9	12,762.0	12,613.1	47.3	44.9	-41.23	75.7	289.8	669.1	607.6	61.55	10.871	
13,250.0	13,224.8	12,773.9	12,618.6	47.4	44.9	-36.01	65.1	289.3	710.0	649.6	60.42	11.750	
13,300.0	13,274.2	12,786.7	12,624.2	47.6	44.9	-31.79	53.6	288.8	749.6	690.2	59.34	12.631	
13,350.0	13,322.8	12,800.0	12,629.7	47.7	44.9	-28.39	41.5	288.3	787.6	729.3	58.29	13.512	
13,400.0	13,370.1	12,814.3	12,635.4	47.8	44.9	-25.62	28.3	287.7	823.9	766.6	57.30	14.379	
13,450.0	13,415.9	12,829.0	12,640.8	48.0	44.9	-23.38	14.7	287.1	858.4	802.1	56.34	15.235	
13,500.0	13,459.7	12,850.0	12,648.0	48.1	44.9	-21.48	-5.0	286.3	890.9	835.2	55.66	16.005	
13,550.0	13,501.3	12,850.0	12,648.0	48.2	44.9	-20.12	-5.0	286.3	921.3	867.1	54.25	16.983	
13,600.0	13,540.3	12,875.7	12,655.8	48.3	45.0	-18.81	-29.5	285.2	949.3	895.5	53.81	17.643	
13,650.0	13,576.5	12,900.0	12,662.1	48.3	45.0	-17.78	-52.9	284.2	975.2	921.8	53.33	18.286	
13,700.0	13,609.5	12,900.0	12,662.1	48.4	45.0	-16.99	-52.9	284.2	998.6	946.3	52.27	19.104	
13,750.0	13,639.1	12,925.3	12,667.7	48.5	45.0	-16.30	-77.5	283.1	1,019.4	967.4	51.95	19.622	
13,800.0	13,665.0	12,950.0	12,672.0	48.6	45.0	-15.77	-101.8	282.1	1,037.8	986.1	51.67	20.085	
13,850.0	13,687.2	12,950.0	12,672.0	48.6	45.0	-15.32	-101.8	282.1	1,053.6	1,002.5	51.09	20.622	
13,900.0	13,705.4	12,976.6	12,675.5	48.7	45.1	-15.02	-128.1	280.9	1,066.7	1,015.6	51.04	20.900	
13,950.0	13,719.4	13,000.0	12,677.6	48.8	45.1	-14.82	-151.5	279.9	1,077.2	1,026.2	51.03	21.111	
14,000.0	13,729.2	13,000.0	12,677.6	48.8	45.1	-14.62	-151.5	279.9	1,085.1	1,034.1	51.03	21.266	
14,050.0	13,734.7	13,039.3	12,679.0	48.9	45.1	-14.67	-190.7	278.2	1,090.1	1,038.8	51.28	21.257	
14,088.1	13,736.0	13,046.5	12,679.0	49.0	45.2	-14.66	-197.9	277.9	1,092.0	1,040.5	51.53	21.193	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #228H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	13,736.0	13,057.3	12,679.0	49.0	45.2	-14.73	-208.7	277.4	1,092.3	1,040.7	51.60	21.168	
14,200.0	13,736.0	13,147.7	12,679.0	49.2	45.4	-15.29	-299.1	275.5	1,095.2	1,042.9	52.29	20.946	
14,300.0	13,736.0	13,243.7	12,679.0	49.4	45.6	-15.83	-395.0	275.9	1,097.9	1,044.9	52.99	20.719	
14,400.0	13,736.0	13,343.4	12,679.0	49.7	45.9	-16.21	-494.8	276.5	1,099.8	1,046.2	53.64	20.502	
14,500.0	13,736.0	13,443.4	12,679.0	50.0	46.3	-16.40	-594.7	277.2	1,100.8	1,046.5	54.24	20.294	
14,546.0	13,736.0	13,489.3	12,679.0	50.1	46.5	-16.42	-640.7	277.5	1,100.9	1,046.4	54.49	20.202	
14,600.0	13,736.0	13,543.4	12,679.0	50.4	46.7	-16.42	-694.7	277.8	1,100.9	1,046.1	54.79	20.092	
14,700.0	13,736.0	13,643.4	12,679.0	50.8	47.2	-16.42	-794.7	278.4	1,100.9	1,045.5	55.38	19.878	
14,800.0	13,736.0	13,743.4	12,679.0	51.3	47.7	-16.42	-894.7	279.1	1,100.9	1,044.9	56.02	19.650	
14,900.0	13,736.0	13,843.4	12,679.0	51.8	48.3	-16.42	-994.7	279.7	1,100.9	1,044.2	56.71	19.412	
15,000.0	13,736.0	13,943.4	12,679.0	52.4	48.9	-16.42	-1,094.7	280.3	1,100.9	1,043.4	57.45	19.163	
15,100.0	13,736.0	14,043.4	12,679.0	53.0	49.6	-16.42	-1,194.7	281.0	1,100.9	1,042.7	58.23	18.907	
15,200.0	13,736.0	14,143.4	12,679.0	53.6	50.3	-16.42	-1,294.7	281.6	1,100.9	1,041.8	59.05	18.643	
15,300.0	13,736.0	14,243.4	12,679.0	54.3	51.1	-16.42	-1,394.7	282.2	1,100.9	1,041.0	59.92	18.374	
15,400.0	13,736.0	14,343.4	12,679.0	55.1	51.9	-16.42	-1,494.7	282.9	1,100.9	1,040.1	60.82	18.101	
15,500.0	13,736.0	14,443.4	12,679.0	55.9	52.7	-16.42	-1,594.7	283.5	1,100.9	1,039.1	61.76	17.825	
15,600.0	13,736.0	14,543.4	12,679.0	56.7	53.6	-16.42	-1,694.7	284.1	1,100.9	1,038.2	62.74	17.548	
15,700.0	13,736.0	14,643.4	12,679.0	57.6	54.5	-16.42	-1,794.7	284.8	1,100.9	1,037.2	63.75	17.270	
15,800.0	13,736.0	14,743.4	12,679.0	58.4	55.5	-16.42	-1,894.7	285.4	1,100.9	1,036.1	64.79	16.991	
15,900.0	13,736.0	14,843.4	12,679.0	59.4	56.5	-16.42	-1,994.7	286.0	1,100.9	1,035.0	65.87	16.714	
16,000.0	13,736.0	14,943.4	12,679.0	60.3	57.5	-16.42	-2,094.7	286.7	1,100.9	1,033.9	66.97	16.438	
16,100.0	13,736.0	15,043.4	12,679.0	61.3	58.5	-16.42	-2,194.7	287.3	1,100.9	1,032.8	68.11	16.165	
16,200.0	13,736.0	15,143.4	12,679.0	62.3	59.6	-16.42	-2,294.7	287.9	1,100.9	1,031.7	69.27	15.894	
16,300.0	13,736.0	15,243.4	12,679.0	63.4	60.7	-16.42	-2,394.7	288.6	1,100.9	1,030.5	70.45	15.627	
16,400.0	13,736.0	15,343.4	12,679.0	64.4	61.8	-16.42	-2,494.7	289.2	1,100.9	1,029.3	71.66	15.363	
16,500.0	13,736.0	15,443.4	12,679.0	65.5	62.9	-16.42	-2,594.7	289.8	1,100.9	1,028.0	72.89	15.103	
16,600.0	13,736.0	15,543.4	12,679.0	66.6	64.1	-16.42	-2,694.7	290.5	1,100.9	1,026.8	74.15	14.848	
16,700.0	13,736.0	15,643.4	12,679.0	67.8	65.3	-16.43	-2,794.7	291.1	1,100.9	1,025.5	75.42	14.597	
16,800.0	13,736.0	15,743.4	12,679.0	68.9	66.5	-16.43	-2,894.6	291.7	1,100.9	1,024.2	76.72	14.351	
16,900.0	13,736.0	15,843.4	12,679.0	70.1	67.7	-16.43	-2,994.6	292.4	1,100.9	1,022.9	78.03	14.109	
17,000.0	13,736.0	15,943.4	12,679.0	71.3	69.0	-16.43	-3,094.6	293.0	1,100.9	1,021.6	79.36	13.872	
17,100.0	13,736.0	16,043.4	12,679.0	72.5	70.2	-16.43	-3,194.6	293.6	1,100.9	1,020.2	80.71	13.641	
17,200.0	13,736.0	16,143.4	12,679.0	73.7	71.5	-16.43	-3,294.6	294.3	1,100.9	1,018.9	82.08	13.414	
17,300.0	13,736.0	16,243.4	12,679.0	75.0	72.8	-16.43	-3,394.6	294.9	1,100.9	1,017.5	83.46	13.192	
17,400.0	13,736.0	16,343.4	12,679.0	76.2	74.1	-16.43	-3,494.6	295.5	1,100.9	1,016.1	84.85	12.975	
17,500.0	13,736.0	16,443.4	12,679.0	77.5	75.4	-16.43	-3,594.6	296.2	1,100.9	1,014.7	86.26	12.763	
17,600.0	13,736.0	16,543.4	12,679.0	78.8	76.7	-16.43	-3,694.6	296.8	1,101.0	1,013.3	87.68	12.557	
17,700.0	13,736.0	16,643.4	12,679.0	80.1	78.1	-16.43	-3,794.6	297.4	1,101.0	1,011.8	89.11	12.354	
17,800.0	13,736.0	16,743.4	12,679.0	81.4	79.4	-16.43	-3,894.6	298.1	1,101.0	1,010.4	90.56	12.157	
17,900.0	13,736.0	16,843.4	12,679.0	82.8	80.8	-16.43	-3,994.6	298.7	1,101.0	1,008.9	92.02	11.965	
18,000.0	13,736.0	16,943.4	12,679.0	84.1	82.2	-16.43	-4,094.6	299.3	1,101.0	1,007.5	93.49	11.777	
18,100.0	13,736.0	17,043.4	12,679.0	85.5	83.6	-16.43	-4,194.6	300.0	1,101.0	1,006.0	94.97	11.593	
18,200.0	13,736.0	17,143.4	12,679.0	86.8	85.0	-16.43	-4,294.6	300.6	1,101.0	1,004.5	96.45	11.414	
18,300.0	13,736.0	17,243.4	12,679.0	88.2	86.4	-16.43	-4,394.6	301.2	1,101.0	1,003.0	97.95	11.240	
18,400.0	13,736.0	17,343.4	12,679.0	89.6	87.8	-16.43	-4,494.6	301.9	1,101.0	1,001.5	99.46	11.069	
18,500.0	13,736.0	17,443.4	12,679.0	91.0	89.2	-16.43	-4,594.6	302.5	1,101.0	1,000.0	100.98	10.903	
18,600.0	13,736.0	17,543.4	12,679.0	92.4	90.6	-16.43	-4,694.6	303.1	1,101.0	998.5	102.50	10.741	
18,700.0	13,736.0	17,643.4	12,679.0	93.8	92.1	-16.43	-4,794.6	303.8	1,101.0	996.9	104.03	10.583	
18,800.0	13,736.0	17,743.4	12,679.0	95.2	93.5	-16.43	-4,894.6	304.4	1,101.0	995.4	105.57	10.429	
18,900.0	13,736.0	17,843.4	12,679.0	96.6	95.0	-16.44	-4,994.6	305.0	1,101.0	993.9	107.12	10.278	
19,000.0	13,736.0	17,943.4	12,679.0	98.0	96.4	-16.44	-5,094.6	305.7	1,101.0	992.3	108.67	10.131	
19,100.0	13,736.0	18,043.4	12,679.0	99.5	97.9	-16.44	-5,194.6	306.3	1,101.0	990.8	110.23	9.988	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Boros - Boros Federal #228H - Wellbore #1 - BLM Plan #2 — **Offset Site Error:** 0.0 usft

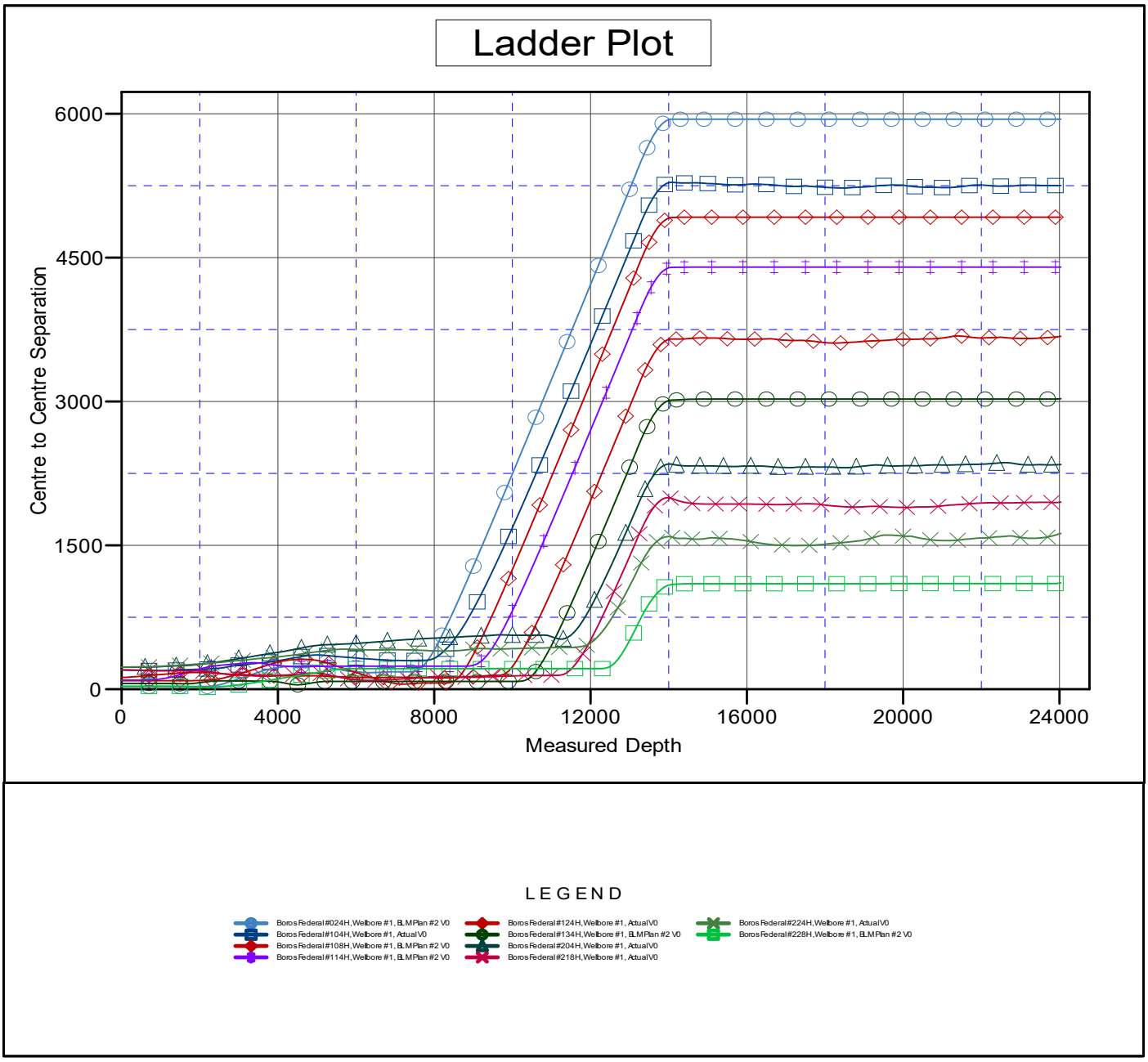
Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	13,736.0	18,143.4	12,679.0	100.9	99.4	-16.44	-5,294.6	306.9	1,101.0	989.2	111.80	9.848	
19,300.0	13,736.0	18,243.4	12,679.0	102.4	100.8	-16.44	-5,394.6	307.6	1,101.0	987.6	113.37	9.711	
19,400.0	13,736.0	18,343.4	12,679.0	103.8	102.3	-16.44	-5,494.6	308.2	1,101.0	986.0	114.95	9.578	
19,500.0	13,736.0	18,443.4	12,679.0	105.3	103.8	-16.44	-5,594.6	308.8	1,101.0	984.5	116.54	9.448	
19,600.0	13,736.0	18,543.4	12,679.0	106.7	105.3	-16.44	-5,694.6	309.5	1,101.0	982.9	118.13	9.320	
19,700.0	13,736.0	18,643.4	12,679.0	108.2	106.8	-16.44	-5,794.6	310.1	1,101.0	981.3	119.72	9.196	
19,800.0	13,736.0	18,743.4	12,679.0	109.7	108.3	-16.44	-5,894.6	310.7	1,101.0	979.7	121.32	9.075	
19,900.0	13,736.0	18,843.4	12,679.0	111.2	109.8	-16.44	-5,994.6	311.4	1,101.0	978.1	122.93	8.957	
20,000.0	13,736.0	18,943.4	12,679.0	112.7	111.3	-16.44	-6,094.6	312.0	1,101.0	976.5	124.54	8.841	
20,100.0	13,736.0	19,043.4	12,679.0	114.2	112.8	-16.44	-6,194.6	312.6	1,101.0	974.9	126.15	8.728	
20,200.0	13,736.0	19,143.4	12,679.0	115.7	114.3	-16.44	-6,294.6	313.3	1,101.0	973.2	127.77	8.617	
20,300.0	13,736.0	19,243.4	12,679.0	117.2	115.9	-16.44	-6,394.6	313.9	1,101.0	971.6	129.39	8.509	
20,400.0	13,736.0	19,343.4	12,679.0	118.7	117.4	-16.44	-6,494.6	314.5	1,101.0	970.0	131.02	8.404	
20,500.0	13,736.0	19,443.4	12,679.0	120.2	118.9	-16.44	-6,594.6	315.2	1,101.0	968.4	132.65	8.300	
20,600.0	13,736.0	19,543.4	12,679.0	121.7	120.4	-16.44	-6,694.6	315.8	1,101.0	966.7	134.28	8.199	
20,700.0	13,736.0	19,643.4	12,679.0	123.2	122.0	-16.44	-6,794.6	316.4	1,101.0	965.1	135.92	8.101	
20,800.0	13,736.0	19,743.4	12,679.0	124.7	123.5	-16.44	-6,894.6	317.1	1,101.0	963.5	137.56	8.004	
20,900.0	13,736.0	19,843.4	12,679.0	126.2	125.0	-16.44	-6,994.6	317.7	1,101.0	961.8	139.20	7.910	
21,000.0	13,736.0	19,943.4	12,679.0	127.8	126.6	-16.44	-7,094.6	318.3	1,101.0	960.2	140.85	7.817	
21,100.0	13,736.0	20,043.4	12,679.0	129.3	128.1	-16.44	-7,194.6	319.0	1,101.0	958.5	142.50	7.727	
21,200.0	13,736.0	20,143.4	12,679.0	130.8	129.7	-16.45	-7,294.6	319.6	1,101.0	956.9	144.15	7.638	
21,300.0	13,736.0	20,243.4	12,679.0	132.4	131.2	-16.45	-7,394.6	320.2	1,101.0	955.2	145.81	7.551	
21,400.0	13,736.0	20,343.4	12,679.0	133.9	132.8	-16.45	-7,494.6	320.9	1,101.0	953.6	147.47	7.466	
21,500.0	13,736.0	20,443.4	12,679.0	135.4	134.3	-16.45	-7,594.6	321.5	1,101.0	951.9	149.13	7.383	
21,600.0	13,736.0	20,543.4	12,679.0	137.0	135.9	-16.45	-7,694.6	322.1	1,101.1	950.3	150.79	7.302	
21,700.0	13,736.0	20,643.4	12,679.0	138.5	137.5	-16.45	-7,794.6	322.8	1,101.1	948.6	152.46	7.222	
21,800.0	13,736.0	20,743.4	12,679.0	140.1	139.0	-16.45	-7,894.5	323.4	1,101.1	946.9	154.13	7.144	
21,900.0	13,736.0	20,843.4	12,679.0	141.6	140.6	-16.45	-7,994.5	324.0	1,101.1	945.3	155.80	7.067	
22,000.0	13,736.0	20,943.4	12,679.0	143.2	142.2	-16.45	-8,094.5	324.7	1,101.1	943.6	157.47	6.992	
22,100.0	13,736.0	21,043.4	12,679.0	144.7	143.7	-16.45	-8,194.5	325.3	1,101.1	941.9	159.15	6.919	
22,200.0	13,736.0	21,143.4	12,679.0	146.3	145.3	-16.45	-8,294.5	325.9	1,101.1	940.2	160.82	6.846	
22,300.0	13,736.0	21,243.4	12,679.0	147.8	146.9	-16.45	-8,394.5	326.6	1,101.1	938.6	162.50	6.776	
22,400.0	13,736.0	21,343.4	12,679.0	149.4	148.4	-16.45	-8,494.5	327.2	1,101.1	936.9	164.19	6.706	
22,500.0	13,736.0	21,443.4	12,679.0	151.0	150.0	-16.45	-8,594.5	327.8	1,101.1	935.2	165.87	6.638	
22,600.0	13,736.0	21,543.4	12,679.0	152.5	151.6	-16.45	-8,694.5	328.5	1,101.1	933.5	167.56	6.571	
22,700.0	13,736.0	21,643.4	12,679.0	154.1	153.2	-16.45	-8,794.5	329.1	1,101.1	931.8	169.24	6.506	
22,800.0	13,736.0	21,743.4	12,679.0	155.7	154.8	-16.45	-8,894.5	329.7	1,101.1	930.1	170.93	6.442	
22,900.0	13,736.0	21,843.4	12,679.0	157.2	156.3	-16.45	-8,994.5	330.4	1,101.1	928.5	172.62	6.379	
23,000.0	13,736.0	21,943.4	12,679.0	158.8	157.9	-16.45	-9,094.5	331.0	1,101.1	926.8	174.32	6.317	
23,100.0	13,736.0	22,043.4	12,679.0	160.4	159.5	-16.45	-9,194.5	331.6	1,101.1	925.1	176.01	6.256	
23,200.0	13,736.0	22,143.4	12,679.0	162.0	161.1	-16.45	-9,294.5	332.3	1,101.1	923.4	177.71	6.196	
23,300.0	13,736.0	22,243.4	12,679.0	163.5	162.7	-16.45	-9,394.5	332.9	1,101.1	921.7	179.40	6.138	
23,400.0	13,736.0	22,343.4	12,679.0	165.1	164.3	-16.45	-9,494.5	333.5	1,101.1	920.0	181.10	6.080	
23,500.0	13,736.0	22,443.4	12,679.0	166.7	165.9	-16.46	-9,594.5	334.2	1,101.1	918.3	182.80	6.023	
23,600.0	13,736.0	22,543.4	12,679.0	168.3	167.4	-16.46	-9,694.5	334.8	1,101.1	916.6	184.50	5.968	
23,700.0	13,736.0	22,643.4	12,679.0	169.8	169.0	-16.46	-9,794.5	335.4	1,101.1	914.9	186.21	5.913	
23,800.0	13,736.0	22,743.4	12,679.0	171.4	170.6	-16.46	-9,894.5	336.1	1,101.1	913.2	187.91	5.860	
23,900.0	13,736.0	22,843.4	12,679.0	173.0	172.1	-16.46	-9,994.5	336.7	1,101.1	911.6	189.47	5.811	
24,000.0	13,736.0	22,841.0	12,679.0	174.6	172.1	-16.46	-9,992.1	336.7	1,105.9	915.0	190.83	5.795	
24,037.2	13,736.0	22,841.0	12,679.0	175.2	172.1	-16.46	-9,992.1	336.7	1,109.9	918.9	191.06	5.809	
24,037.7	13,736.0	22,841.0	12,679.0	175.2	172.1	-16.46	-9,992.1	336.7	1,110.0	919.2	190.76	5.819	

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**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 #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3247.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #244H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

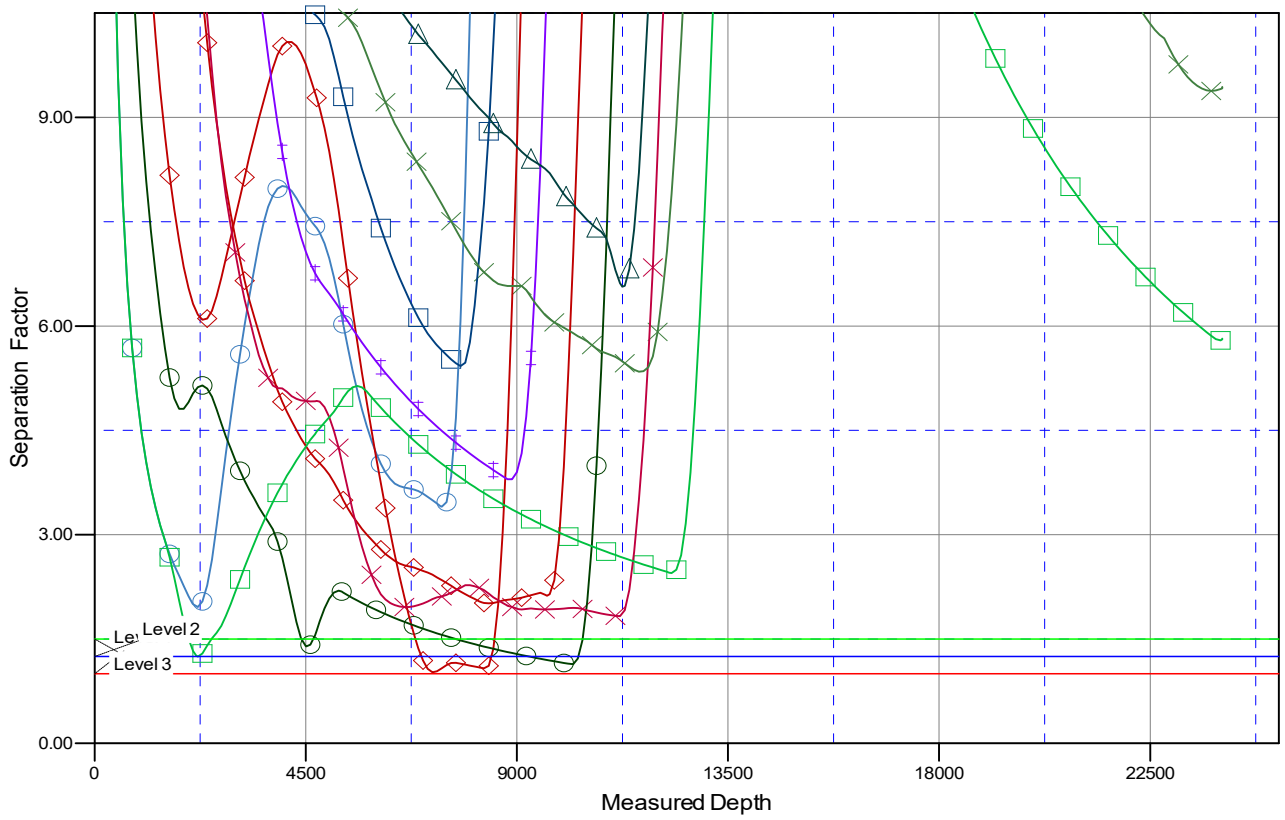


Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3247.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3247.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #244H	**Survey 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 #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3247.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #244H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

Separation Factor Plot



LEGEND

Boros Federal #024H, Wellbore #1, BLM Plan #2 V0
Boros Federal #104H, Wellbore #1, Actual V0
Boros Federal #108H, Wellbore #1, BLM Plan #2 V0
Boros Federal #114H, Wellbore #1, BLM Plan #2 V0
Boros Federal #124H, Wellbore #1, Actual V0
Boros Federal #134H, Wellbore #1, BLM Plan #2 V0
Boros Federal #204H, Wellbore #1, Actual V0
Boros Federal #218H, Wellbore #1, Actual V0
Boros Federal #224H, Wellbore #1, Actual V0
Boros Federal #228H, Wellbore #1, BLM Plan #2 V0

Matador Production Company

Rustler Breaks
Boros
Boros Federal #244H

Wellbore #1

Plan: BLM Plan #2

Standard Planning Report

12 August, 2020

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Project Rustler Breaks

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

Site 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 #244H

Well Position	**+N/-S**	12.9 usft	**Northing:**	381,966.25 usft	**Latitude:**	32° 2' 55.820 N
	+E/-W	1,783.0 usft	**Easting:**	677,962.83 usft	**Longitude:**	103° 45' 32.218 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,219.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/11/2020	6.69	59.83	47,492.93673357

Design BLM Plan #2

Audit Notes:

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

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.64

Plan Survey Tool Program **Date** 8/12/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	24,037.2	BLM Plan #2 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.0	8.00	13.00	2,597.4	54.3	12.5	1.00	1.00	0.00	13.00	
4,732.6	8.00	13.00	4,709.2	343.5	79.3	0.00	0.00	0.00	0.00	
5,265.9	0.00	0.00	5,240.8	379.7	87.7	1.50	-1.50	0.00	180.00	
13,188.1	0.00	0.00	13,163.0	379.7	87.7	0.00	0.00	0.00	0.00	VP - Boros Federal
14,088.1	90.00	188.80	13,736.0	-186.5	0.0	10.00	10.00	0.00	188.80	
14,546.0	90.00	179.64	13,736.0	-642.6	-33.7	2.00	0.00	-2.00	-90.00	
24,037.2	90.00	179.64	13,736.0	-10,133.7	25.6	0.00	0.00	0.00	0.00	BHL - Boros Federa

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,406.0	0.00	0.00	1,406.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
1,431.0	0.00	0.00	1,431.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8" Surface Casing									
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
Start Build 1.00									
1,900.0	1.00	13.00	1,900.0	0.9	0.2	-0.8	1.00	1.00	0.00
2,000.0	2.00	13.00	2,000.0	3.4	0.8	-3.4	1.00	1.00	0.00
2,100.0	3.00	13.00	2,099.9	7.7	1.8	-7.6	1.00	1.00	0.00
2,200.0	4.00	13.00	2,199.7	13.6	3.1	-13.6	1.00	1.00	0.00
2,300.0	5.00	13.00	2,299.4	21.2	4.9	-21.2	1.00	1.00	0.00
2,400.0	6.00	13.00	2,398.9	30.6	7.1	-30.5	1.00	1.00	0.00
2,500.0	7.00	13.00	2,498.3	41.6	9.6	-41.6	1.00	1.00	0.00
2,600.0	8.00	13.00	2,597.4	54.3	12.5	-54.3	1.00	1.00	0.00
Start 2132.6 hold at 2600.0 MD									
2,700.0	8.00	13.00	2,696.4	67.9	15.7	-67.8	0.00	0.00	0.00
2,800.0	8.00	13.00	2,795.5	81.5	18.8	-81.3	0.00	0.00	0.00
2,900.0	8.00	13.00	2,894.5	95.0	21.9	-94.9	0.00	0.00	0.00
3,000.0	8.00	13.00	2,993.5	108.6	25.1	-108.4	0.00	0.00	0.00
3,100.0	8.00	13.00	3,092.5	122.1	28.2	-122.0	0.00	0.00	0.00
3,200.0	8.00	13.00	3,191.6	135.7	31.3	-135.5	0.00	0.00	0.00
3,300.0	8.00	13.00	3,290.6	149.3	34.5	-149.0	0.00	0.00	0.00
3,400.0	8.00	13.00	3,389.6	162.8	37.6	-162.6	0.00	0.00	0.00
3,500.0	8.00	13.00	3,488.6	176.4	40.7	-176.1	0.00	0.00	0.00
3,600.0	8.00	13.00	3,587.7	189.9	43.8	-189.7	0.00	0.00	0.00
3,700.0	8.00	13.00	3,686.7	203.5	47.0	-203.2	0.00	0.00	0.00
3,800.0	8.00	13.00	3,785.7	217.1	50.1	-216.7	0.00	0.00	0.00
3,900.0	8.00	13.00	3,884.8	230.6	53.2	-230.3	0.00	0.00	0.00
4,000.0	8.00	13.00	3,983.8	244.2	56.4	-243.8	0.00	0.00	0.00
4,100.0	8.00	13.00	4,082.8	257.7	59.5	-257.4	0.00	0.00	0.00
4,142.6	8.00	13.00	4,125.0	263.5	60.8	-263.1	0.00	0.00	0.00
Base Salt									
4,172.9	8.00	13.00	4,155.0	267.6	61.8	-267.2	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Bell Canyon									
4,180.0	8.00	13.00	4,162.0	268.6	62.0	-268.2	0.00	0.00	0.00
9 5/8" Intermediate Casing									
4,200.0	8.00	13.00	4,181.8	271.3	62.6	-270.9	0.00	0.00	0.00
4,300.0	8.00	13.00	4,280.9	284.9	65.8	-284.4	0.00	0.00	0.00
4,400.0	8.00	13.00	4,379.9	298.4	68.9	-298.0	0.00	0.00	0.00
4,500.0	8.00	13.00	4,478.9	312.0	72.0	-311.5	0.00	0.00	0.00
4,600.0	8.00	13.00	4,577.9	325.5	75.2	-325.1	0.00	0.00	0.00
4,700.0	8.00	13.00	4,677.0	339.1	78.3	-338.6	0.00	0.00	0.00
4,732.6	8.00	13.00	4,709.2	343.5	79.3	-343.0	0.00	0.00	0.00
Start Drop -1.50									
4,800.0	6.99	13.00	4,776.1	352.1	81.3	-351.6	1.50	-1.50	0.00
4,900.0	5.49	13.00	4,875.5	362.7	83.7	-362.1	1.50	-1.50	0.00
5,000.0	3.99	13.00	4,975.1	370.7	85.6	-370.2	1.50	-1.50	0.00
5,100.0	2.49	13.00	5,075.0	376.2	86.9	-375.7	1.50	-1.50	0.00
5,193.1	1.09	13.00	5,168.0	379.1	87.5	-378.5	1.50	-1.50	0.00
Cherry Canyon									
5,200.0	0.99	13.00	5,174.9	379.2	87.5	-378.6	1.50	-1.50	0.00
5,265.9	0.00	0.00	5,240.8	379.7	87.7	-379.2	1.50	-1.50	0.00
Start 7922.2 hold at 5265.9 MD									
5,300.0	0.00	0.00	5,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,427.1	0.00	0.00	6,402.0	379.7	87.7	-379.2	0.00	0.00	0.00
Brushy Canyon									
6,500.0	0.00	0.00	6,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,000.0	0.00	0.00	6,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,100.0	0.00	0.00	7,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,556.1	0.00	0.00	7,531.0	379.7	87.7	-379.2	0.00	0.00	0.00
L. Brushy Canyon									
7,600.0	0.00	0.00	7,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,100.0	0.00	0.00	8,074.9	379.7	87.7	-379.2	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,157.1	0.00	0.00	8,132.0	379.7	87.7	-379.2	0.00	0.00	0.00
BSGL									
8,200.0	0.00	0.00	8,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,252.1	0.00	0.00	8,227.0	379.7	87.7	-379.2	0.00	0.00	0.00
Avalon-SS									
8,300.0	0.00	0.00	8,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,229.1	0.00	0.00	9,204.0	379.7	87.7	-379.2	0.00	0.00	0.00
FBSG									
9,300.0	0.00	0.00	9,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,574.1	0.00	0.00	9,549.0	379.7	87.7	-379.2	0.00	0.00	0.00
SBSC									
9,600.0	0.00	0.00	9,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,796.1	0.00	0.00	9,771.0	379.7	87.7	-379.2	0.00	0.00	0.00
SBSG									
9,800.0	0.00	0.00	9,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,000.0	0.00	0.00	9,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,100.0	0.00	0.00	10,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,200.0	0.00	0.00	10,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,276.1	0.00	0.00	10,251.0	379.7	87.7	-379.2	0.00	0.00	0.00
TBSC									
10,300.0	0.00	0.00	10,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,400.0	0.00	0.00	10,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,500.0	0.00	0.00	10,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,600.0	0.00	0.00	10,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,700.0	0.00	0.00	10,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,800.0	0.00	0.00	10,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
10,900.0	0.00	0.00	10,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,000.0	0.00	0.00	10,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,005.1	0.00	0.00	10,980.0	379.7	87.7	-379.2	0.00	0.00	0.00
TBSG									
11,100.0	0.00	0.00	11,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,200.0	0.00	0.00	11,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,300.0	0.00	0.00	11,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,400.0	0.00	0.00	11,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,400.1	0.00	0.00	11,375.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP-A									
11,500.0	0.00	0.00	11,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,600.0	0.00	0.00	11,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,700.0	0.00	0.00	11,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,708.1	0.00	0.00	11,683.0	379.7	87.7	-379.2	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
WFMP A-Fat									
11,800.0	0.00	0.00	11,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,900.0	0.00	0.00	11,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
11,970.1	0.00	0.00	11,945.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP B									
12,000.0	0.00	0.00	11,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,100.0	0.00	0.00	12,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,200.0	0.00	0.00	12,174.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,216.1	0.00	0.00	12,191.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP B.1									
12,300.0	0.00	0.00	12,274.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,395.1	0.00	0.00	12,370.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP B.2									
12,400.0	0.00	0.00	12,374.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,500.0	0.00	0.00	12,474.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,600.0	0.00	0.00	12,574.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,656.1	0.00	0.00	12,631.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP B.3									
12,700.0	0.00	0.00	12,674.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,800.0	0.00	0.00	12,774.9	379.7	87.7	-379.2	0.00	0.00	0.00
12,815.1	0.00	0.00	12,790.0	379.7	87.7	-379.2	0.00	0.00	0.00
WFMP B Blair Shale									
12,900.0	0.00	0.00	12,874.9	379.7	87.7	-379.2	0.00	0.00	0.00
13,000.0	0.00	0.00	12,974.9	379.7	87.7	-379.2	0.00	0.00	0.00
7 5/8" Intermediate Casing									
13,100.0	0.00	0.00	13,074.9	379.7	87.7	-379.2	0.00	0.00	0.00
13,188.1	0.00	0.00	13,163.0	379.7	87.7	-379.2	0.00	0.00	0.00
Start Build 10.00 - VP - Boros Federal #244H									
13,200.0	1.19	188.80	13,174.9	379.6	87.6	-379.1	10.00	10.00	0.00
13,300.0	11.19	188.80	13,274.2	369.0	86.0	-368.4	10.00	10.00	0.00
13,400.0	21.19	188.80	13,370.1	341.5	81.7	-340.9	10.00	10.00	0.00
13,500.0	31.19	188.80	13,459.7	297.9	75.0	-297.4	10.00	10.00	0.00
13,600.0	41.19	188.80	13,540.3	239.6	66.0	-239.2	10.00	10.00	0.00
13,700.0	51.19	188.80	13,609.5	168.4	54.9	-168.0	10.00	10.00	0.00
13,744.5	55.64	188.80	13,636.0	133.1	49.5	-132.8	10.00	10.00	0.00
WFMP D									
13,800.0	61.19	188.80	13,665.0	86.4	42.3	-86.1	10.00	10.00	0.00
13,900.0	71.19	188.80	13,705.4	-3.9	28.3	4.1	10.00	10.00	0.00
14,000.0	81.19	188.80	13,729.2	-99.8	13.4	99.9	10.00	10.00	0.00
14,088.1	90.00	188.80	13,736.0	-186.5	0.0	186.5	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
14,100.0	90.00	188.56	13,736.0	-198.3	-1.8	198.2	2.00	0.00	-2.00
14,200.0	90.00	186.56	13,736.0	-297.4	-14.9	297.3	2.00	0.00	-2.00
14,300.0	90.00	184.56	13,736.0	-396.9	-24.6	396.7	2.00	0.00	-2.00
14,400.0	90.00	182.56	13,736.0	-496.7	-30.8	496.5	2.00	0.00	-2.00
14,500.0	90.00	180.56	13,736.0	-596.7	-33.6	596.4	2.00	0.00	-2.00
14,546.0	90.00	179.64	13,736.0	-642.6	-33.7	642.4	2.00	0.00	-2.00
Start 9491.3 hold at 14546.0 MD									
14,600.0	90.00	179.64	13,736.0	-696.7	-33.3	696.4	0.00	0.00	0.00
14,700.0	90.00	179.64	13,736.0	-796.7	-32.7	796.4	0.00	0.00	0.00
14,800.0	90.00	179.64	13,736.0	-896.7	-32.1	896.4	0.00	0.00	0.00
14,900.0	90.00	179.64	13,736.0	-996.7	-31.4	996.4	0.00	0.00	0.00
15,000.0	90.00	179.64	13,736.0	-1,096.7	-30.8	1,096.4	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,100.0	90.00	179.64	13,736.0	-1,196.7	-30.2	1,196.4	0.00	0.00	0.00
15,200.0	90.00	179.64	13,736.0	-1,296.6	-29.6	1,296.4	0.00	0.00	0.00
15,300.0	90.00	179.64	13,736.0	-1,396.6	-28.9	1,396.4	0.00	0.00	0.00
15,400.0	90.00	179.64	13,736.0	-1,496.6	-28.3	1,496.4	0.00	0.00	0.00
15,500.0	90.00	179.64	13,736.0	-1,596.6	-27.7	1,596.4	0.00	0.00	0.00
15,600.0	90.00	179.64	13,736.0	-1,696.6	-27.1	1,696.4	0.00	0.00	0.00
15,700.0	90.00	179.64	13,736.0	-1,796.6	-26.4	1,796.4	0.00	0.00	0.00
15,800.0	90.00	179.64	13,736.0	-1,896.6	-25.8	1,896.4	0.00	0.00	0.00
15,900.0	90.00	179.64	13,736.0	-1,996.6	-25.2	1,996.4	0.00	0.00	0.00
16,000.0	90.00	179.64	13,736.0	-2,096.6	-24.6	2,096.4	0.00	0.00	0.00
16,100.0	90.00	179.64	13,736.0	-2,196.6	-23.9	2,196.4	0.00	0.00	0.00
16,200.0	90.00	179.64	13,736.0	-2,296.6	-23.3	2,296.4	0.00	0.00	0.00
16,300.0	90.00	179.64	13,736.0	-2,396.6	-22.7	2,396.4	0.00	0.00	0.00
16,400.0	90.00	179.64	13,736.0	-2,496.6	-22.1	2,496.4	0.00	0.00	0.00
16,500.0	90.00	179.64	13,736.0	-2,596.6	-21.5	2,596.4	0.00	0.00	0.00
16,600.0	90.00	179.64	13,736.0	-2,696.6	-20.8	2,696.4	0.00	0.00	0.00
16,700.0	90.00	179.64	13,736.0	-2,796.6	-20.2	2,796.4	0.00	0.00	0.00
16,800.0	90.00	179.64	13,736.0	-2,896.6	-19.6	2,896.4	0.00	0.00	0.00
16,900.0	90.00	179.64	13,736.0	-2,996.6	-19.0	2,996.4	0.00	0.00	0.00
17,000.0	90.00	179.64	13,736.0	-3,096.6	-18.3	3,096.4	0.00	0.00	0.00
17,100.0	90.00	179.64	13,736.0	-3,196.6	-17.7	3,196.4	0.00	0.00	0.00
17,200.0	90.00	179.64	13,736.0	-3,296.6	-17.1	3,296.4	0.00	0.00	0.00
17,300.0	90.00	179.64	13,736.0	-3,396.6	-16.5	3,396.4	0.00	0.00	0.00
17,400.0	90.00	179.64	13,736.0	-3,496.6	-15.8	3,496.4	0.00	0.00	0.00
17,500.0	90.00	179.64	13,736.0	-3,596.6	-15.2	3,596.4	0.00	0.00	0.00
17,600.0	90.00	179.64	13,736.0	-3,696.6	-14.6	3,696.4	0.00	0.00	0.00
17,700.0	90.00	179.64	13,736.0	-3,796.6	-14.0	3,796.4	0.00	0.00	0.00
17,800.0	90.00	179.64	13,736.0	-3,896.6	-13.3	3,896.4	0.00	0.00	0.00
17,900.0	90.00	179.64	13,736.0	-3,996.6	-12.7	3,996.4	0.00	0.00	0.00
18,000.0	90.00	179.64	13,736.0	-4,096.6	-12.1	4,096.4	0.00	0.00	0.00
18,100.0	90.00	179.64	13,736.0	-4,196.6	-11.5	4,196.4	0.00	0.00	0.00
18,200.0	90.00	179.64	13,736.0	-4,296.6	-10.8	4,296.4	0.00	0.00	0.00
18,300.0	90.00	179.64	13,736.0	-4,396.6	-10.2	4,396.4	0.00	0.00	0.00
18,400.0	90.00	179.64	13,736.0	-4,496.6	-9.6	4,496.4	0.00	0.00	0.00
18,500.0	90.00	179.64	13,736.0	-4,596.6	-9.0	4,596.4	0.00	0.00	0.00
18,600.0	90.00	179.64	13,736.0	-4,696.6	-8.3	4,696.4	0.00	0.00	0.00
18,700.0	90.00	179.64	13,736.0	-4,796.6	-7.7	4,796.4	0.00	0.00	0.00
18,800.0	90.00	179.64	13,736.0	-4,896.6	-7.1	4,896.4	0.00	0.00	0.00
18,900.0	90.00	179.64	13,736.0	-4,996.6	-6.5	4,996.4	0.00	0.00	0.00
19,000.0	90.00	179.64	13,736.0	-5,096.6	-5.8	5,096.4	0.00	0.00	0.00
19,100.0	90.00	179.64	13,736.0	-5,196.6	-5.2	5,196.4	0.00	0.00	0.00
19,200.0	90.00	179.64	13,736.0	-5,296.6	-4.6	5,296.4	0.00	0.00	0.00
19,300.0	90.00	179.64	13,736.0	-5,396.6	-4.0	5,396.4	0.00	0.00	0.00
19,400.0	90.00	179.64	13,736.0	-5,496.6	-3.3	5,496.4	0.00	0.00	0.00
19,500.0	90.00	179.64	13,736.0	-5,596.6	-2.7	5,596.4	0.00	0.00	0.00
19,600.0	90.00	179.64	13,736.0	-5,696.6	-2.1	5,696.4	0.00	0.00	0.00
19,700.0	90.00	179.64	13,736.0	-5,796.6	-1.5	5,796.4	0.00	0.00	0.00
19,800.0	90.00	179.64	13,736.0	-5,896.6	-0.8	5,896.4	0.00	0.00	0.00
19,900.0	90.00	179.64	13,736.0	-5,996.6	-0.2	5,996.4	0.00	0.00	0.00
20,000.0	90.00	179.64	13,736.0	-6,096.6	0.4	6,096.4	0.00	0.00	0.00
20,100.0	90.00	179.64	13,736.0	-6,196.6	1.0	6,196.4	0.00	0.00	0.00
20,200.0	90.00	179.64	13,736.0	-6,296.6	1.7	6,296.4	0.00	0.00	0.00
20,300.0	90.00	179.64	13,736.0	-6,396.5	2.3	6,396.4	0.00	0.00	0.00
20,400.0	90.00	179.64	13,736.0	-6,496.5	2.9	6,496.4	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,500.0	90.00	179.64	13,736.0	-6,596.5	3.5	6,596.4	0.00	0.00	0.00
20,600.0	90.00	179.64	13,736.0	-6,696.5	4.2	6,696.4	0.00	0.00	0.00
20,700.0	90.00	179.64	13,736.0	-6,796.5	4.8	6,796.4	0.00	0.00	0.00
20,800.0	90.00	179.64	13,736.0	-6,896.5	5.4	6,896.4	0.00	0.00	0.00
20,900.0	90.00	179.64	13,736.0	-6,996.5	6.0	6,996.4	0.00	0.00	0.00
21,000.0	90.00	179.64	13,736.0	-7,096.5	6.7	7,096.4	0.00	0.00	0.00
21,100.0	90.00	179.64	13,736.0	-7,196.5	7.3	7,196.4	0.00	0.00	0.00
21,200.0	90.00	179.64	13,736.0	-7,296.5	7.9	7,296.4	0.00	0.00	0.00
21,300.0	90.00	179.64	13,736.0	-7,396.5	8.5	7,396.4	0.00	0.00	0.00
21,400.0	90.00	179.64	13,736.0	-7,496.5	9.2	7,496.4	0.00	0.00	0.00
21,500.0	90.00	179.64	13,736.0	-7,596.5	9.8	7,596.4	0.00	0.00	0.00
21,600.0	90.00	179.64	13,736.0	-7,696.5	10.4	7,696.4	0.00	0.00	0.00
21,700.0	90.00	179.64	13,736.0	-7,796.5	11.0	7,796.4	0.00	0.00	0.00
21,800.0	90.00	179.64	13,736.0	-7,896.5	11.7	7,896.4	0.00	0.00	0.00
21,900.0	90.00	179.64	13,736.0	-7,996.5	12.3	7,996.4	0.00	0.00	0.00
22,000.0	90.00	179.64	13,736.0	-8,096.5	12.9	8,096.4	0.00	0.00	0.00
22,100.0	90.00	179.64	13,736.0	-8,196.5	13.5	8,196.4	0.00	0.00	0.00
22,200.0	90.00	179.64	13,736.0	-8,296.5	14.2	8,296.4	0.00	0.00	0.00
22,300.0	90.00	179.64	13,736.0	-8,396.5	14.8	8,396.4	0.00	0.00	0.00
22,400.0	90.00	179.64	13,736.0	-8,496.5	15.4	8,496.4	0.00	0.00	0.00
22,500.0	90.00	179.64	13,736.0	-8,596.5	16.0	8,596.4	0.00	0.00	0.00
22,600.0	90.00	179.64	13,736.0	-8,696.5	16.6	8,696.4	0.00	0.00	0.00
22,700.0	90.00	179.64	13,736.0	-8,796.5	17.3	8,796.4	0.00	0.00	0.00
22,800.0	90.00	179.64	13,736.0	-8,896.5	17.9	8,896.4	0.00	0.00	0.00
22,900.0	90.00	179.64	13,736.0	-8,996.5	18.5	8,996.4	0.00	0.00	0.00
23,000.0	90.00	179.64	13,736.0	-9,096.5	19.1	9,096.4	0.00	0.00	0.00
23,100.0	90.00	179.64	13,736.0	-9,196.5	19.8	9,196.4	0.00	0.00	0.00
23,200.0	90.00	179.64	13,736.0	-9,296.5	20.4	9,296.4	0.00	0.00	0.00
23,300.0	90.00	179.64	13,736.0	-9,396.5	21.0	9,396.4	0.00	0.00	0.00
23,400.0	90.00	179.64	13,736.0	-9,496.5	21.6	9,496.4	0.00	0.00	0.00
23,500.0	90.00	179.64	13,736.0	-9,596.5	22.3	9,596.4	0.00	0.00	0.00
23,600.0	90.00	179.64	13,736.0	-9,696.5	22.9	9,696.4	0.00	0.00	0.00
23,700.0	90.00	179.64	13,736.0	-9,796.5	23.5	9,796.4	0.00	0.00	0.00
23,800.0	90.00	179.64	13,736.0	-9,896.5	24.1	9,896.4	0.00	0.00	0.00
23,892.0	90.00	179.64	13,736.0	-9,988.5	24.7	9,988.4	0.00	0.00	0.00
5 1/2" Production Casing									
23,900.0	90.00	179.64	13,736.0	-9,996.5	24.8	9,996.4	0.00	0.00	0.00
24,000.0	90.00	179.64	13,736.0	-10,096.5	25.4	10,096.4	0.00	0.00	0.00
24,037.2	90.00	179.64	13,736.0	-10,133.7	25.6	10,133.7	0.00	0.00	0.00
TD at 24037.2 - BHL - Boros Federal #244H									

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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 #2 - plan hits target center - Point	0.00	0.00	13,163.0	379.7	87.7	382,346.00	678,050.50	32° 2' 59.573 N	103° 45' 31.176 W
BHL - Boros Federal # - plan hits target center - Point	0.00	0.01	13,736.0	-10,133.7	25.6	371,830.99	677,988.46	32° 1' 15.518 N	103° 45' 32.546 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,431.0	1,431.0	13 3/8" Surface Casing	13-3/8	17-1/2
4,180.0	4,162.0	9 5/8" Intermediate Casing	9-5/8	12-1/4
13,000.0	12,974.9	7 5/8" Intermediate Casing	7-5/8	8-3/4
23,892.0	13,736.0	5 1/2" Production Casing	5-1/2	6-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,406.0	1,406.0	Rustler			
1,494.0	1,494.0	Salado (Top Salt)			
4,142.6	4,125.0	Base Salt			
4,172.9	4,155.0	Bell Canyon			
5,193.1	5,168.0	Cherry Canyon			
6,427.1	6,402.0	Brushy Canyon			
7,556.1	7,531.0	L. Brushy Canyon			
8,157.1	8,132.0	BSGL			
8,252.1	8,227.0	Avalon-SS			
9,229.1	9,204.0	FBSG			
9,574.1	9,549.0	SBSC			
9,796.1	9,771.0	SBSG			
10,276.1	10,251.0	TBSC			
11,005.1	10,980.0	TBSG			
11,400.1	11,375.0	WFMP-A			
11,708.1	11,683.0	WFMP A-Fat			
11,970.1	11,945.0	WFMP B			
12,216.1	12,191.0	WFMP B.1			
12,395.1	12,370.0	WFMP B.2			
12,656.1	12,631.0	WFMP B.3			
12,815.1	12,790.0	WFMP B Blair Shale			
13,744.5	13,636.0	WFMP D			

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #244H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3247.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3247.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #244H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
1,800.0	1,800.0	0.0	0.0	Start Build 1.00
2,600.0	2,597.4	54.3	12.5	Start 2132.6 hold at 2600.0 MD
4,732.6	4,709.2	343.5	79.3	Start Drop -1.50
5,265.9	5,240.8	379.7	87.7	Start 7922.2 hold at 5265.9 MD
13,188.1	13,163.0	379.7	87.7	Start Build 10.00
14,088.1	13,736.0	-186.5	0.0	Start DLS 2.00 TFO -90.00
14,546.0	13,736.0	-642.6	-33.7	Start 9491.3 hold at 14546.0 MD
24,037.2	13,736.0	-10,133.7	25.6	TD at 24037.2