NMOCD Rec'd: 10/14/2020

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM138865

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
BOROS FEDERAL 134H

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

9. API Well No.
30-015-46513-00-X1

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

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

10. Field and Pool or Exploratory Area
BONE SPRINGS

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 15 T26S R31E NENE 430FNL 630FEL
32.048965 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 134H (30-015-46513) well from 430' FNL and 630' FEL of Sec. 15 T26S R31E to 430' FNL and 680' 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 100' FSL and 661' FEL of Sec. 22 T26S R31E to 240' FSL and 348' FEL of Sec. 22 T26S R31E. Please see attached C-102 and directional plans.

Surface good Same COA
10-9-20 BR

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 #526608 verified by the BLM Well Information System
For MATADOR PRODUCTION COMPANY, sent to the Carlsbad
Committed to AFMSS for processing by JUANA MEDRANO on 08/20/2020 (20JM0094SE)

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 Cody R. Layton — Title PEM-CFO — 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 ****

Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water

KP 11/5/2020 GEO Reveiw

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
30-015-46513	97860	JENNINGS;BONE SPRING, WEST

[4]Property Code	[5]Property Name	[6]Well Number
	BOROS FEDERAL	134H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3218'

[10]Surface Location

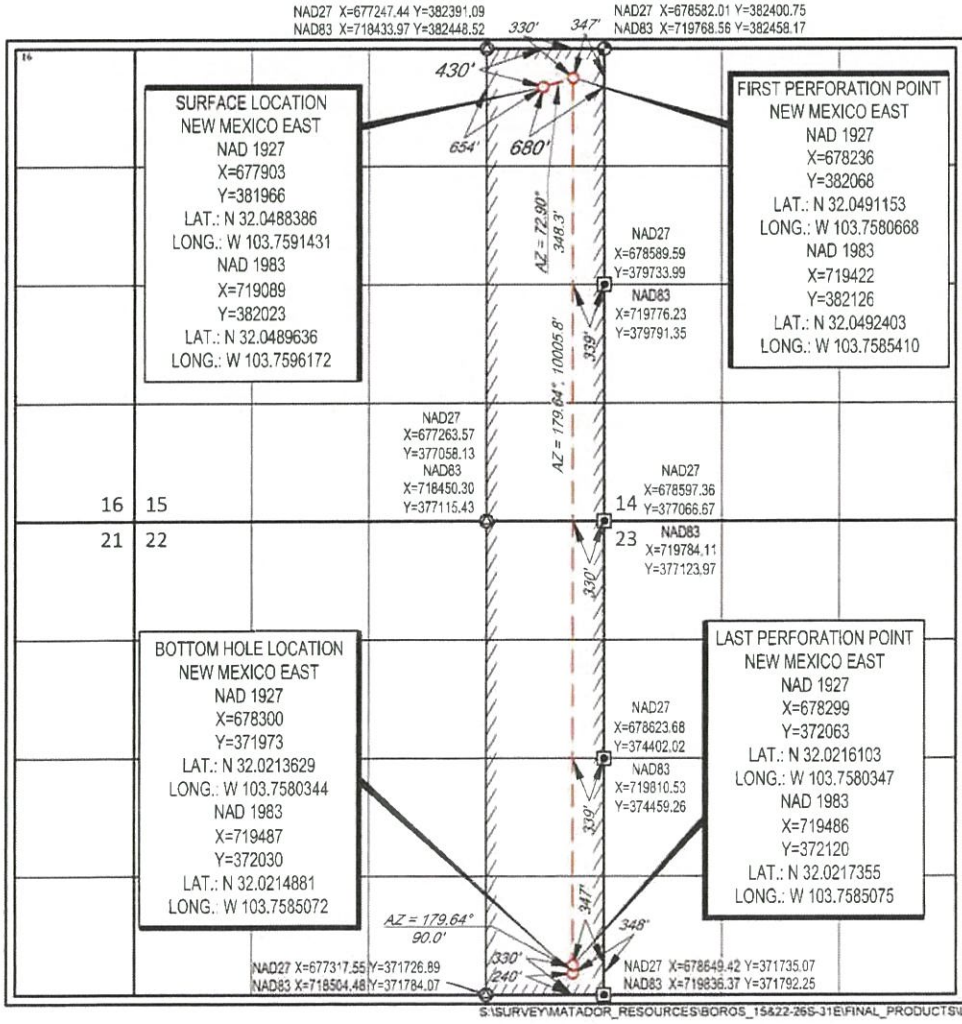
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	26-S	31-E	-	430'	NORTH	680'	EAST	EDDY

[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	-	240'	SOUTH	348'	EAST	EDDY

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

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



[17]OPERATOR CERTIFICATION

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

Cassie Hahn 2/13/20
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

ANGELA M. BACA
NEW MEXICO
26116
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\BOROS_15&22-26S-31E\FINAL_PRODUCTS\LO_BOROS_FEDERAL_134H_REV5.DWG 7/30/2020 1:48:51 PM adisabella

Additional data for EC transaction #526608 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 #526608

	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:	JENNINGS;BONE SPRING,WEST	BONE SPRINGS
Well/Facility:	BOROS FEDERAL 134H Sec 15 T26S R31E 430FNL 630FEL	BOROS FEDERAL 134H Sec 15 T26S R31E NENE 430FNL 630FEL 32.048965 N Lat, 103.759453 W Lon

Boros Federal 228H 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	13.52	2.13	0.56	1,158	5	1.01	4.11	63,111
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,406			Tail Cmt	does not	circ to sfc.	Totals:	1,158				63,111

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	810	1308	804	63	8.80	2703	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	3.14	1.09	1.81	10,073	2	3.29	1.98	299,168
"B"							**0**				**0**
w/8.4#/g mud, 30min Sfc Csg Test psig:						Totals:	10,073				299,168

The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1158 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	1220	3462	2552	36	9.40	2878	3M	0.69

Class 'H' tail cmt yld > 1.20

Casing must be kept 1/3 fluid filled during drilling.

Tail cmt

5 1/2	casing inside the	7 5/8			Design Factors					Prod 1		
Segment	**#/ft**	**Grade**	**Coupling**	**Body**	**Collapse**	**Burst**	**Length**	**B@s**	**a-B**	**a-C**	**Weight**
"A"	20.00	P 110	TLW	2.49	2.24	2.74	20,846	3	4.99	4.52	416,920
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,360						Totals:	20,846				416,920

The cement volume(s) are intended to achieve a top of 9873 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
8 3/4	0.2526	2210	3007	2740	10	9.40			1.44

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 134H**
SURFACE HOLE FOOTAGE:	430'/N & 680'/E
BOTTOM HOLE FOOTAGE	240'/S & 348'/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 apphroximately **1158 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 **10073 feet**. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

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

Option 2:

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

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

b. Second stage above DV tool:

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

c. Operator will perform bradenhead squeeze. Cement to surface. If cement does not circulate see B.1.a, c-d above.

d. **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.**

❖ **Intermediate casing must be kept 1/3 fluid filled to meet BLM minimum collapse requirement.**

❖ 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.**

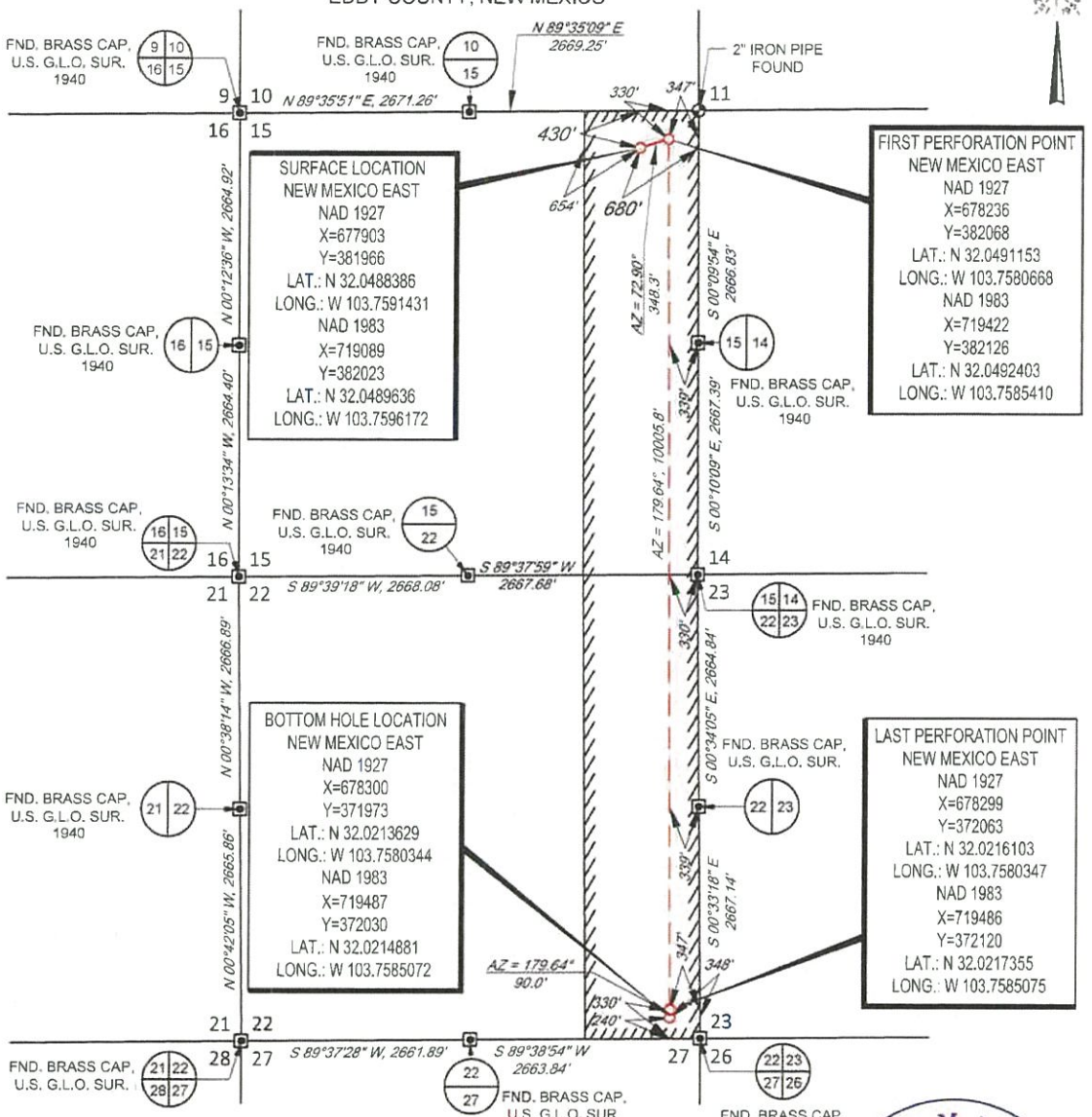
RI09202020

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 134H

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

COUNTY EDDY STATE NM

DESCRIPTION 430' FNL & 680' 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 ±275 FEET NORTHEAST OF THE LOCATION.

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

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.

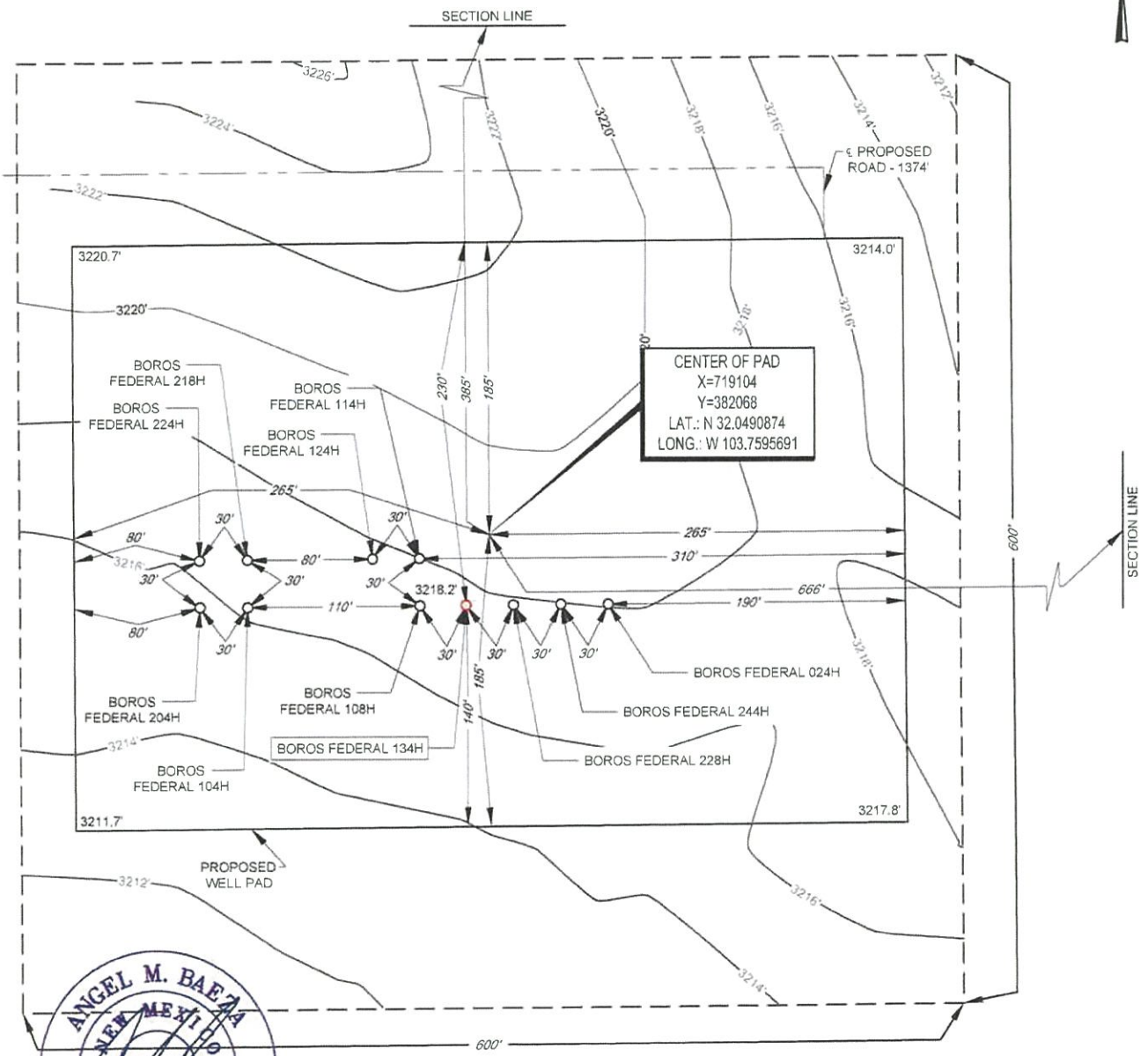
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

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

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 134H

134H LATITUDE N 32.0489636 134H LONGITUDE W 103.7596172

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
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

Boros Federal 134H
SHL: 430' FNL & 680' FEL Section 15
BHL: 240' FSL & 348' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3218

Drilling Operation Plan

Proposed Drilling Depth: 20846' MD / 10725' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.0492403 N / -103.7585410 W
TD Lat/Long (NAD83): 32.0214881 N / -103.7585072 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,406	1,406	88	Anhydrite	Barren
Top of Salt	1,494	1,494	2,631	Salt	Barren
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	115	Limestone	Oil/Natural Gas
Avalon	8,247	8,247	794	Sandstone	Oil/Natural Gas
KOP	10,173	10,152	98	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	10,271	10,250	299	Sandstone	Oil/Natural Gas
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
TD	**20,846**	**10,725**		**Sandstone**	**Oil/Natural Gas**

2. Notable Zones

2nd Bone Spring is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 230'.

3. Pressure Control

Equipment
A 12,000' 5000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

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

Testing Procedure

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

A third party company will test the BOPs.

After setting surface casing, a minimum 5M BOPE system will be installed. Test pressures will be 250 psi low and 5000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 5M BOPE system is re-installed.

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

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

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

4. Casing & Cement

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

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1158	0 - 1158	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10073	0 - 10073	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	8.75	0 - 20846	0 - 10725	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

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

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

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

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

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

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	560	1.72	966	12.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	858	C	5% NaCl + LCM
Intermediate 1	Lead	780	3.66	2862	10.3	35%	0	A/C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	440	1.38	605	13.2	35%	8058	A/C	5% NaCl + LCM
Production	Lead	10	3.66	53	10.3	35%	9873	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	2200	1.35	2976	13.2	10%	10173	A/C	Fluid Loss + Dispersant + Retarder + LCM

5. Mud Program

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

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1158	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Bine Emulsion	1158 - 10073	8.7 - 9.4	28-30	NC
Production	8.75	Cut Brine/OBM	10073 - 20846	8.6 - 9.4	28-30	NC

6. Cores, Test, & Logs

No core or drill stem test is planned.

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

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Maximum anticipated surface pressure is 2883 psi. Expected bottom hole temperature is 186 F.

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

Casing Table Specification Sheet

Boros Federal 134H
SHL: 430' FNL & 680' FEL Section 15
BHL: 240' FSL & 348' FEL Section 22
Township/Range: 26S 31E
Elevation Above Sea Level: 3218

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 - 1158	0 - 1158	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 10073	0 - 10073	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	8.75	0 - 20846	0 - 10725	5.5	20	P-110	Hunting TLW	1.125	1.125	1.8

Company: Matador Production Company
Well: Boros Federal #134H
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°

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	20846.3	BLM Plan #2 (Wellbore #1)	MWD

WELL DETAILS: Boros Federal #134H

GL @ 3218.0 KB @ 3246.5usft

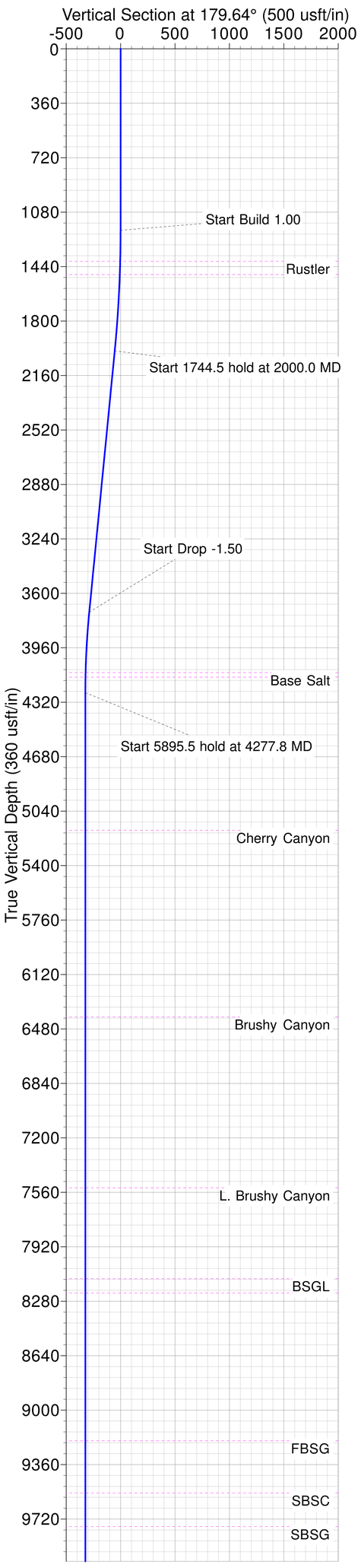
+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.0	0.0	381965.83	677902.82	32° 2' 55.819 N	103° 45' 32.915 W	

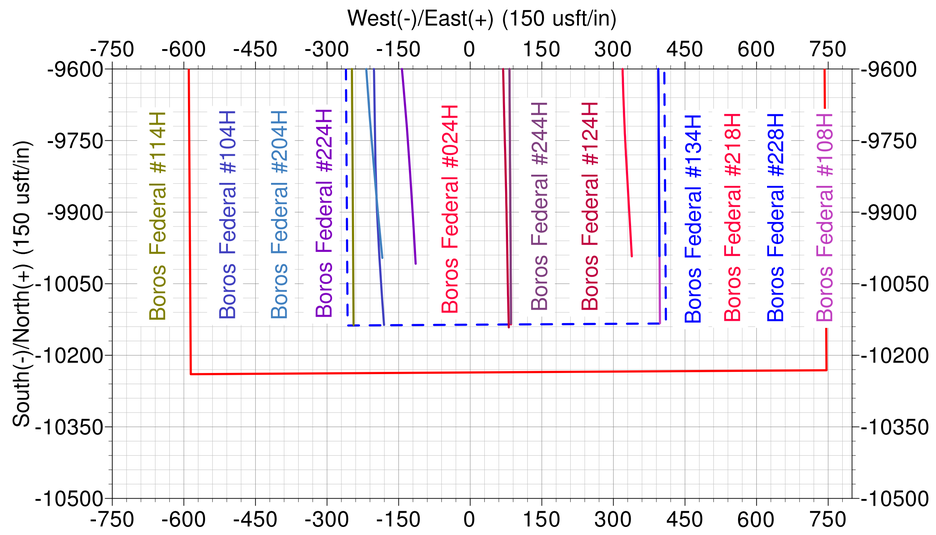
DESIGN TARGET DETAILS

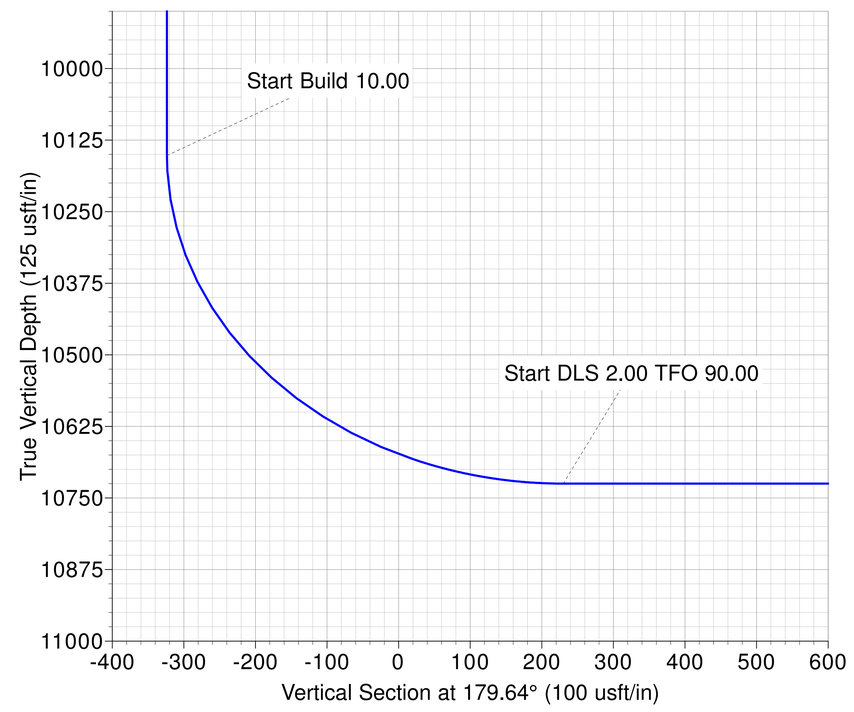
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Federal #134H	10152.0	324.2	87.2	382290.00	677990.00	32° 2' 59.022 N	103° 45' 31.882 W
BHL - Boros Federal #134H	10725.0	-9992.2	396.7	371972.92	678299.57	32° 1' 16.906 N	103° 45' 28.924 W

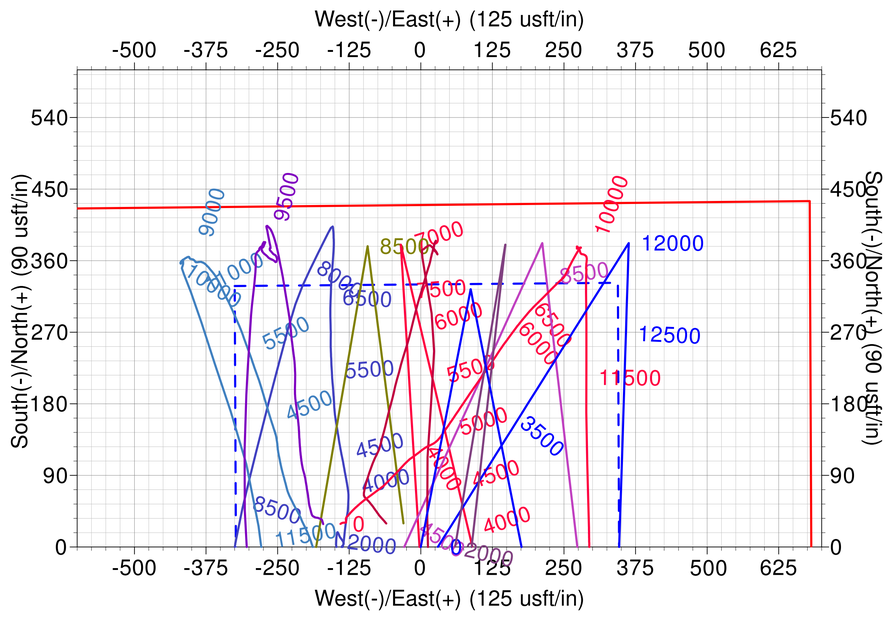
SECTION DETAILS

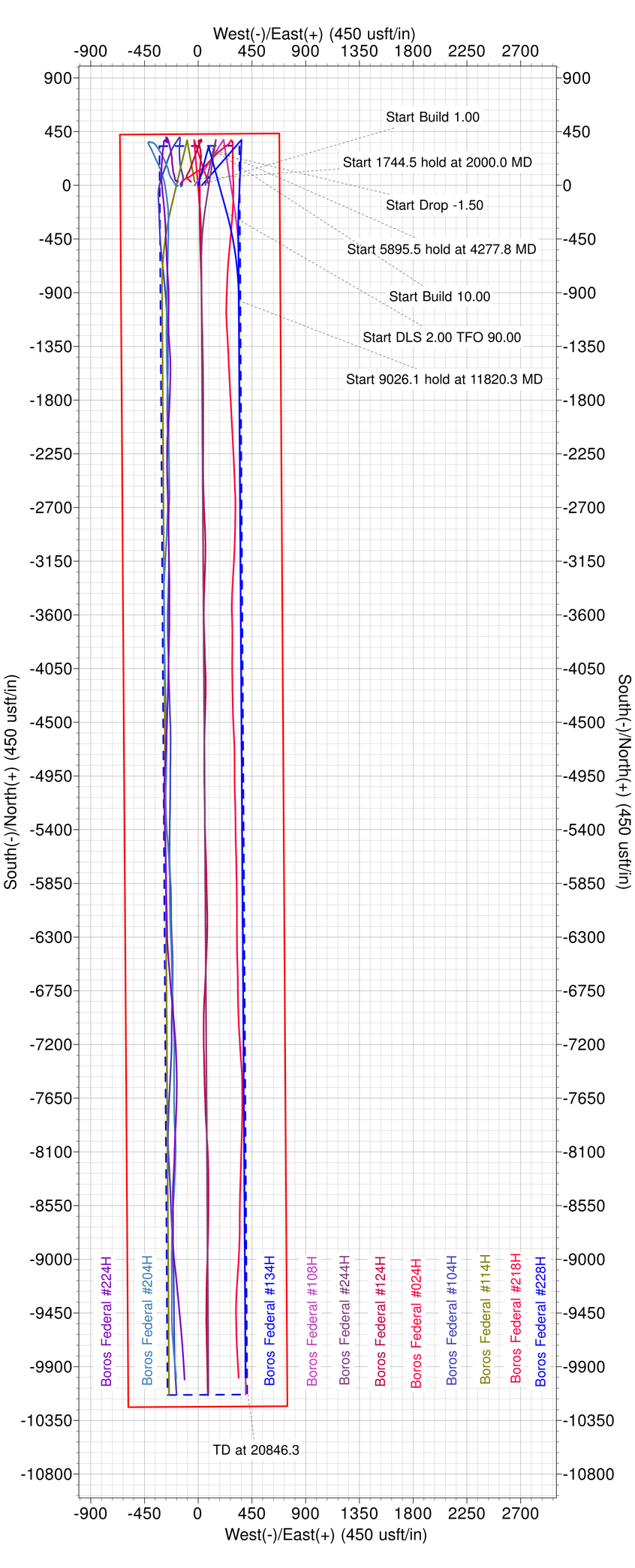
MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1200.0	0.00	0.00	1200.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
2000.0	8.00	15.05	1997.4	53.8	14.5	1.00	15.05	-53.8	Start 1744.5 hold at 2000.0 MD
3744.5	8.00	15.05	3724.9	288.3	77.5	0.00	0.00	-287.8	Start Drop -1.50
4277.8	0.00	0.00	4256.5	324.2	87.2	1.50	180.00	-323.6	Start 5895.5 hold at 4277.8 MD
10173.3	0.00	0.00	10152.0	324.2	87.2	0.00	0.00	-323.6	Start Build 10.00
11073.3	90.00	164.70	10725.0	-228.5	238.4	10.00	164.70	229.9	Start DLS 2.00 TFO 90.00
11820.3	90.00	179.64	10725.0	-966.3	339.9	2.00	90.00	968.5	Start 9026.1 hold at 11820.3 MD
20846.3	90.00	179.64	10725.0	-9992.2	396.7	0.00	0.00	9994.5	TD at 20846.3

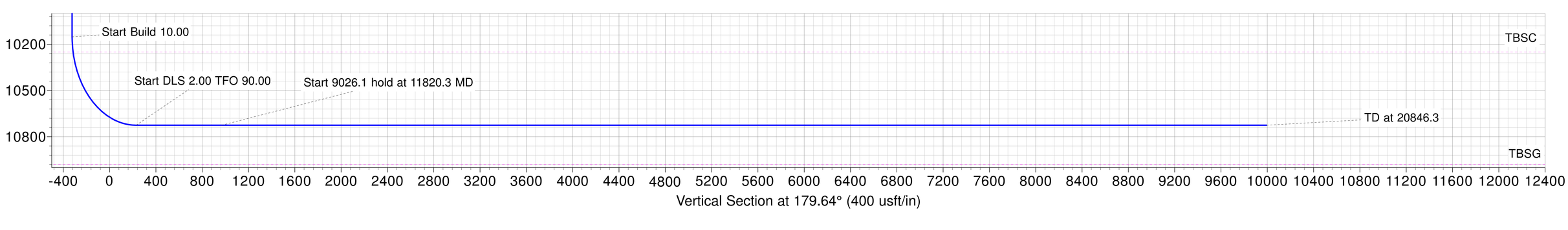












Matador Production Company

Rustler Breaks
Boros
Boros Federal #134H

Wellbore #1

Plan: BLM Plan #2

Standard Planning Report

12 August, 2020

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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 #134H

Well Position	**+N/-S**	12.5 usft	**Northing:**	381,965.82 usft	**Latitude:**	32° 2' 55.819 N
	+E/-W	1,723.0 usft	**Easting:**	677,902.81 usft	**Longitude:**	103° 45' 32.915 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,218.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/11/2020	6.69	59.83	47,492.92368606

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	20,846.3	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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	8.00	15.05	1,997.4	53.8	14.5	1.00	1.00	0.00	15.05	
3,744.5	8.00	15.05	3,724.9	288.3	77.5	0.00	0.00	0.00	0.00	
4,277.8	0.00	0.00	4,256.5	324.2	87.2	1.50	-1.50	0.00	180.00	
10,173.3	0.00	0.00	10,152.0	324.2	87.2	0.00	0.00	0.00	0.00	VP - Boros Federal
11,073.3	90.00	164.70	10,725.0	-228.5	238.4	10.00	10.00	0.00	164.70	
11,820.3	90.00	179.64	10,725.0	-966.3	339.9	2.00	0.00	2.00	90.00	
20,846.3	90.00	179.64	10,725.0	-9,992.2	396.7	0.00	0.00	0.00	0.00	BHL - Boros Federa

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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
Start Build 1.00									
1,300.0	1.00	15.05	1,300.0	0.8	0.2	-0.8	1.00	1.00	0.00
1,400.0	2.00	15.05	1,400.0	3.4	0.9	-3.4	1.00	1.00	0.00
1,405.0	2.05	15.05	1,405.0	3.5	1.0	-3.5	1.00	1.00	0.00
Rustler									
1,430.0	2.30	15.05	1,429.9	4.5	1.2	-4.4	1.00	1.00	0.00
13 3/8" Surface Casing									
1,493.1	2.93	15.05	1,493.0	7.2	1.9	-7.2	1.00	1.00	0.00
Salado (Top Salt)									
1,500.0	3.00	15.05	1,499.9	7.6	2.0	-7.6	1.00	1.00	0.00
1,600.0	4.00	15.05	1,599.7	13.5	3.6	-13.5	1.00	1.00	0.00
1,700.0	5.00	15.05	1,699.4	21.1	5.7	-21.0	1.00	1.00	0.00
1,800.0	6.00	15.05	1,798.9	30.3	8.2	-30.3	1.00	1.00	0.00
1,900.0	7.00	15.05	1,898.3	41.2	11.1	-41.2	1.00	1.00	0.00
2,000.0	8.00	15.05	1,997.4	53.8	14.5	-53.8	1.00	1.00	0.00
Start 1744.5 hold at 2000.0 MD									
2,100.0	8.00	15.05	2,096.4	67.3	18.1	-67.2	0.00	0.00	0.00
2,200.0	8.00	15.05	2,195.5	80.7	21.7	-80.6	0.00	0.00	0.00
2,300.0	8.00	15.05	2,294.5	94.2	25.3	-94.0	0.00	0.00	0.00
2,400.0	8.00	15.05	2,393.5	107.6	28.9	-107.4	0.00	0.00	0.00
2,500.0	8.00	15.05	2,492.5	121.0	32.6	-120.8	0.00	0.00	0.00
2,600.0	8.00	15.05	2,591.6	134.5	36.2	-134.3	0.00	0.00	0.00
2,700.0	8.00	15.05	2,690.6	147.9	39.8	-147.7	0.00	0.00	0.00
2,800.0	8.00	15.05	2,789.6	161.4	43.4	-161.1	0.00	0.00	0.00
2,900.0	8.00	15.05	2,888.6	174.8	47.0	-174.5	0.00	0.00	0.00
3,000.0	8.00	15.05	2,987.7	188.2	50.6	-187.9	0.00	0.00	0.00
3,100.0	8.00	15.05	3,086.7	201.7	54.2	-201.3	0.00	0.00	0.00
3,200.0	8.00	15.05	3,185.7	215.1	57.9	-214.8	0.00	0.00	0.00
3,300.0	8.00	15.05	3,284.8	228.6	61.5	-228.2	0.00	0.00	0.00
3,400.0	8.00	15.05	3,383.8	242.0	65.1	-241.6	0.00	0.00	0.00
3,500.0	8.00	15.05	3,482.8	255.4	68.7	-255.0	0.00	0.00	0.00
3,600.0	8.00	15.05	3,581.8	268.9	72.3	-268.4	0.00	0.00	0.00
3,700.0	8.00	15.05	3,680.9	282.3	75.9	-281.8	0.00	0.00	0.00
3,744.5	8.00	15.05	3,724.9	288.3	77.5	-287.8	0.00	0.00	0.00
Start Drop -1.50									
3,800.0	7.17	15.05	3,779.9	295.4	79.4	-294.9	1.50	-1.50	0.00
3,900.0	5.67	15.05	3,879.3	306.2	82.3	-305.6	1.50	-1.50	0.00
4,000.0	4.17	15.05	3,978.9	314.4	84.6	-313.9	1.50	-1.50	0.00
4,100.0	2.67	15.05	4,078.8	320.2	86.1	-319.7	1.50	-1.50	0.00
4,145.3	1.99	15.05	4,124.0	322.0	86.6	-321.4	1.50	-1.50	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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)
Base Salt									
4,175.3	1.54	15.05	4,154.0	322.9	86.8	-322.3	1.50	-1.50	0.00
Bell Canyon									
4,180.0	1.47	15.05	4,158.7	323.0	86.9	-322.4	1.50	-1.50	0.00
9 5/8" Intermediate Casing									
4,200.0	1.17	15.05	4,178.7	323.4	87.0	-322.9	1.50	-1.50	0.00
4,277.8	0.00	0.00	4,256.5	324.2	87.2	-323.6	1.50	-1.50	0.00
Start 5895.5 hold at 4277.8 MD									
4,300.0	0.00	0.00	4,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,400.0	0.00	0.00	4,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,500.0	0.00	0.00	4,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,100.0	0.00	0.00	5,078.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,188.3	0.00	0.00	5,167.0	324.2	87.2	-323.6	0.00	0.00	0.00
Cherry Canyon									
5,200.0	0.00	0.00	5,178.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,000.0	0.00	0.00	5,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,100.0	0.00	0.00	6,078.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,200.0	0.00	0.00	6,178.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,422.3	0.00	0.00	6,401.0	324.2	87.2	-323.6	0.00	0.00	0.00
Brushy Canyon									
6,500.0	0.00	0.00	6,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,700.0	0.00	0.00	6,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,000.0	0.00	0.00	6,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,078.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,178.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,551.3	0.00	0.00	7,530.0	324.2	87.2	-323.6	0.00	0.00	0.00
L. Brushy Canyon									
7,600.0	0.00	0.00	7,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,078.7	324.2	87.2	-323.6	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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)
8,152.3	0.00	0.00	8,131.0	324.2	87.2	-323.6	0.00	0.00	0.00
BSGL									
8,200.0	0.00	0.00	8,178.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,247.3	0.00	0.00	8,226.0	324.2	87.2	-323.6	0.00	0.00	0.00
Avalon-SS									
8,300.0	0.00	0.00	8,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,078.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,178.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,224.3	0.00	0.00	9,203.0	324.2	87.2	-323.6	0.00	0.00	0.00
FBSG									
9,300.0	0.00	0.00	9,278.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,378.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,478.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,569.3	0.00	0.00	9,548.0	324.2	87.2	-323.6	0.00	0.00	0.00
SBSC									
9,600.0	0.00	0.00	9,578.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,678.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,791.3	0.00	0.00	9,770.0	324.2	87.2	-323.6	0.00	0.00	0.00
SBSG									
9,800.0	0.00	0.00	9,778.7	324.2	87.2	-323.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,878.7	324.2	87.2	-323.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,978.7	324.2	87.2	-323.6	0.00	0.00	0.00
10,100.0	0.00	0.00	10,078.7	324.2	87.2	-323.6	0.00	0.00	0.00
10,173.3	0.00	0.00	10,152.0	324.2	87.2	-323.6	0.00	0.00	0.00
Start Build 10.00 - VP - Boros Federal #134H									
10,200.0	2.67	164.70	10,178.7	323.6	87.4	-323.0	10.00	10.00	0.00
10,271.8	9.85	164.70	10,250.0	316.1	89.4	-315.5	10.00	10.00	0.00
TBSC									
10,300.0	12.67	164.70	10,277.7	310.7	90.9	-310.2	10.00	10.00	0.00
10,400.0	22.67	164.70	10,372.8	281.5	98.9	-280.9	10.00	10.00	0.00
10,500.0	32.67	164.70	10,461.3	236.8	111.1	-236.1	10.00	10.00	0.00
10,600.0	42.67	164.70	10,540.3	177.9	127.2	-177.1	10.00	10.00	0.00
10,700.0	52.67	164.70	10,607.6	106.7	146.7	-105.8	10.00	10.00	0.00
10,800.0	62.67	164.70	10,661.0	25.3	169.0	-24.2	10.00	10.00	0.00
10,900.0	72.67	164.70	10,698.9	-63.8	193.3	65.0	10.00	10.00	0.00
11,000.0	82.67	164.70	10,720.3	-157.9	219.1	159.3	10.00	10.00	0.00
11,073.3	90.00	164.70	10,725.0	-228.5	238.4	229.9	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
11,100.0	90.00	165.23	10,725.0	-254.2	245.3	255.8	2.00	0.00	2.00
11,200.0	90.00	167.23	10,725.0	-351.4	269.1	353.0	2.00	0.00	2.00
11,300.0	90.00	169.23	10,725.0	-449.3	289.5	451.1	2.00	0.00	2.00
11,400.0	90.00	171.23	10,725.0	-547.8	306.4	549.7	2.00	0.00	2.00
11,500.0	90.00	173.23	10,725.0	-646.9	320.0	648.9	2.00	0.00	2.00
11,600.0	90.00	175.23	10,725.0	-746.4	330.0	748.4	2.00	0.00	2.00
11,700.0	90.00	177.23	10,725.0	-846.1	336.6	848.2	2.00	0.00	2.00
11,800.0	90.00	179.23	10,725.0	-946.1	339.7	948.2	2.00	0.00	2.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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)
11,820.3	90.00	179.64	10,725.0	-966.3	339.9	968.5	2.00	0.00	2.00
Start 9026.1 hold at 11820.3 MD									
11,900.0	90.00	179.64	10,725.0	-1,046.1	340.4	1,048.2	0.00	0.00	0.00
12,000.0	90.00	179.64	10,725.0	-1,146.1	341.0	1,148.2	0.00	0.00	0.00
12,100.0	90.00	179.64	10,725.0	-1,246.1	341.6	1,248.2	0.00	0.00	0.00
12,200.0	90.00	179.64	10,725.0	-1,346.1	342.2	1,348.2	0.00	0.00	0.00
12,300.0	90.00	179.64	10,725.0	-1,446.1	342.9	1,448.2	0.00	0.00	0.00
12,400.0	90.00	179.64	10,725.0	-1,546.1	343.5	1,548.2	0.00	0.00	0.00
12,500.0	90.00	179.64	10,725.0	-1,646.1	344.1	1,648.2	0.00	0.00	0.00
12,600.0	90.00	179.64	10,725.0	-1,746.1	344.8	1,748.2	0.00	0.00	0.00
12,700.0	90.00	179.64	10,725.0	-1,846.1	345.4	1,848.2	0.00	0.00	0.00
12,800.0	90.00	179.64	10,725.0	-1,946.1	346.0	1,948.2	0.00	0.00	0.00
12,900.0	90.00	179.64	10,725.0	-2,046.1	346.7	2,048.2	0.00	0.00	0.00
13,000.0	90.00	179.64	10,725.0	-2,146.1	347.3	2,148.2	0.00	0.00	0.00
13,100.0	90.00	179.64	10,725.0	-2,246.1	347.9	2,248.2	0.00	0.00	0.00
13,200.0	90.00	179.64	10,725.0	-2,346.1	348.5	2,348.2	0.00	0.00	0.00
13,300.0	90.00	179.64	10,725.0	-2,446.1	349.2	2,448.2	0.00	0.00	0.00
13,400.0	90.00	179.64	10,725.0	-2,546.1	349.8	2,548.2	0.00	0.00	0.00
13,500.0	90.00	179.64	10,725.0	-2,646.1	350.4	2,648.2	0.00	0.00	0.00
13,600.0	90.00	179.64	10,725.0	-2,746.1	351.1	2,748.2	0.00	0.00	0.00
13,700.0	90.00	179.64	10,725.0	-2,846.1	351.7	2,848.2	0.00	0.00	0.00
13,800.0	90.00	179.64	10,725.0	-2,946.1	352.3	2,948.2	0.00	0.00	0.00
13,900.0	90.00	179.64	10,725.0	-3,046.1	353.0	3,048.2	0.00	0.00	0.00
14,000.0	90.00	179.64	10,725.0	-3,146.0	353.6	3,148.2	0.00	0.00	0.00
14,100.0	90.00	179.64	10,725.0	-3,246.0	354.2	3,248.2	0.00	0.00	0.00
14,200.0	90.00	179.64	10,725.0	-3,346.0	354.8	3,348.2	0.00	0.00	0.00
14,300.0	90.00	179.64	10,725.0	-3,446.0	355.5	3,448.2	0.00	0.00	0.00
14,400.0	90.00	179.64	10,725.0	-3,546.0	356.1	3,548.2	0.00	0.00	0.00
14,500.0	90.00	179.64	10,725.0	-3,646.0	356.7	3,648.2	0.00	0.00	0.00
14,600.0	90.00	179.64	10,725.0	-3,746.0	357.4	3,748.2	0.00	0.00	0.00
14,700.0	90.00	179.64	10,725.0	-3,846.0	358.0	3,848.2	0.00	0.00	0.00
14,800.0	90.00	179.64	10,725.0	-3,946.0	358.6	3,948.2	0.00	0.00	0.00
14,900.0	90.00	179.64	10,725.0	-4,046.0	359.3	4,048.2	0.00	0.00	0.00
15,000.0	90.00	179.64	10,725.0	-4,146.0	359.9	4,148.2	0.00	0.00	0.00
15,100.0	90.00	179.64	10,725.0	-4,246.0	360.5	4,248.2	0.00	0.00	0.00
15,200.0	90.00	179.64	10,725.0	-4,346.0	361.1	4,348.2	0.00	0.00	0.00
15,300.0	90.00	179.64	10,725.0	-4,446.0	361.8	4,448.2	0.00	0.00	0.00
15,400.0	90.00	179.64	10,725.0	-4,546.0	362.4	4,548.2	0.00	0.00	0.00
15,500.0	90.00	179.64	10,725.0	-4,646.0	363.0	4,648.2	0.00	0.00	0.00
15,600.0	90.00	179.64	10,725.0	-4,746.0	363.7	4,748.2	0.00	0.00	0.00
15,700.0	90.00	179.64	10,725.0	-4,846.0	364.3	4,848.2	0.00	0.00	0.00
15,800.0	90.00	179.64	10,725.0	-4,946.0	364.9	4,948.2	0.00	0.00	0.00
15,900.0	90.00	179.64	10,725.0	-5,046.0	365.6	5,048.2	0.00	0.00	0.00
16,000.0	90.00	179.64	10,725.0	-5,146.0	366.2	5,148.2	0.00	0.00	0.00
16,100.0	90.00	179.64	10,725.0	-5,246.0	366.8	5,248.2	0.00	0.00	0.00
16,200.0	90.00	179.64	10,725.0	-5,346.0	367.4	5,348.2	0.00	0.00	0.00
16,300.0	90.00	179.64	10,725.0	-5,446.0	368.1	5,448.2	0.00	0.00	0.00
16,400.0	90.00	179.64	10,725.0	-5,546.0	368.7	5,548.2	0.00	0.00	0.00
16,500.0	90.00	179.64	10,725.0	-5,646.0	369.3	5,648.2	0.00	0.00	0.00
16,600.0	90.00	179.64	10,725.0	-5,746.0	370.0	5,748.2	0.00	0.00	0.00
16,700.0	90.00	179.64	10,725.0	-5,846.0	370.6	5,848.2	0.00	0.00	0.00
16,800.0	90.00	179.64	10,725.0	-5,946.0	371.2	5,948.2	0.00	0.00	0.00
16,900.0	90.00	179.64	10,725.0	-6,046.0	371.9	6,048.2	0.00	0.00	0.00

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,000.0	90.00	179.64	10,725.0	-6,146.0	372.5	6,148.2	0.00	0.00	0.00
17,100.0	90.00	179.64	10,725.0	-6,246.0	373.1	6,248.2	0.00	0.00	0.00
17,200.0	90.00	179.64	10,725.0	-6,346.0	373.7	6,348.2	0.00	0.00	0.00
17,300.0	90.00	179.64	10,725.0	-6,446.0	374.4	6,448.2	0.00	0.00	0.00
17,400.0	90.00	179.64	10,725.0	-6,546.0	375.0	6,548.2	0.00	0.00	0.00
17,500.0	90.00	179.64	10,725.0	-6,646.0	375.6	6,648.2	0.00	0.00	0.00
17,600.0	90.00	179.64	10,725.0	-6,746.0	376.3	6,748.2	0.00	0.00	0.00
17,700.0	90.00	179.64	10,725.0	-6,846.0	376.9	6,848.2	0.00	0.00	0.00
17,800.0	90.00	179.64	10,725.0	-6,946.0	377.5	6,948.2	0.00	0.00	0.00
17,900.0	90.00	179.64	10,725.0	-7,046.0	378.2	7,048.2	0.00	0.00	0.00
18,000.0	90.00	179.64	10,725.0	-7,146.0	378.8	7,148.2	0.00	0.00	0.00
18,100.0	90.00	179.64	10,725.0	-7,246.0	379.4	7,248.2	0.00	0.00	0.00
18,200.0	90.00	179.64	10,725.0	-7,346.0	380.1	7,348.2	0.00	0.00	0.00
18,300.0	90.00	179.64	10,725.0	-7,446.0	380.7	7,448.2	0.00	0.00	0.00
18,400.0	90.00	179.64	10,725.0	-7,546.0	381.3	7,548.2	0.00	0.00	0.00
18,500.0	90.00	179.64	10,725.0	-7,646.0	381.9	7,648.2	0.00	0.00	0.00
18,600.0	90.00	179.64	10,725.0	-7,746.0	382.6	7,748.2	0.00	0.00	0.00
18,700.0	90.00	179.64	10,725.0	-7,846.0	383.2	7,848.2	0.00	0.00	0.00
18,800.0	90.00	179.64	10,725.0	-7,946.0	383.8	7,948.2	0.00	0.00	0.00
18,900.0	90.00	179.64	10,725.0	-8,046.0	384.5	8,048.2	0.00	0.00	0.00
19,000.0	90.00	179.64	10,725.0	-8,145.9	385.1	8,148.2	0.00	0.00	0.00
19,100.0	90.00	179.64	10,725.0	-8,245.9	385.7	8,248.2	0.00	0.00	0.00
19,200.0	90.00	179.64	10,725.0	-8,345.9	386.4	8,348.2	0.00	0.00	0.00
19,300.0	90.00	179.64	10,725.0	-8,445.9	387.0	8,448.2	0.00	0.00	0.00
19,400.0	90.00	179.64	10,725.0	-8,545.9	387.6	8,548.2	0.00	0.00	0.00
19,500.0	90.00	179.64	10,725.0	-8,645.9	388.2	8,648.2	0.00	0.00	0.00
19,600.0	90.00	179.64	10,725.0	-8,745.9	388.9	8,748.2	0.00	0.00	0.00
19,700.0	90.00	179.64	10,725.0	-8,845.9	389.5	8,848.2	0.00	0.00	0.00
19,800.0	90.00	179.64	10,725.0	-8,945.9	390.1	8,948.2	0.00	0.00	0.00
19,900.0	90.00	179.64	10,725.0	-9,045.9	390.8	9,048.2	0.00	0.00	0.00
20,000.0	90.00	179.64	10,725.0	-9,145.9	391.4	9,148.2	0.00	0.00	0.00
20,100.0	90.00	179.64	10,725.0	-9,245.9	392.0	9,248.2	0.00	0.00	0.00
20,200.0	90.00	179.64	10,725.0	-9,345.9	392.7	9,348.2	0.00	0.00	0.00
20,300.0	90.00	179.64	10,725.0	-9,445.9	393.3	9,448.2	0.00	0.00	0.00
20,400.0	90.00	179.64	10,725.0	-9,545.9	393.9	9,548.2	0.00	0.00	0.00
20,500.0	90.00	179.64	10,725.0	-9,645.9	394.5	9,648.2	0.00	0.00	0.00
20,600.0	90.00	179.64	10,725.0	-9,745.9	395.2	9,748.2	0.00	0.00	0.00
20,700.0	90.00	179.64	10,725.0	-9,845.9	395.8	9,848.2	0.00	0.00	0.00
20,800.0	90.00	179.64	10,725.0	-9,945.9	396.4	9,948.2	0.00	0.00	0.00
20,846.3	90.00	179.64	10,725.0	-9,992.2	396.7	9,994.5	0.00	0.00	0.00
TD at 20846.3 - BHL - Boros Federal #134H									

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3246.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3246.5usft
Site:	Boros	**North Reference:**	Grid
Well:	Boros Federal #134H	**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 #1 - plan hits target center - Point	0.00	0.01	10,152.0	324.2	87.2	382,290.00	677,990.00	32° 2' 59.022 N	103° 45' 31.882 W
BHL - Boros Federal # - plan hits target center - Point	0.00	0.01	10,725.0	-9,992.2	396.7	371,972.92	678,299.56	32° 1' 16.906 N	103° 45' 28.924 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,430.0	1,429.9	13 3/8" Surface Casing	13-3/8	17-1/2
4,180.0	4,158.7	9 5/8" Intermediate Casing	9-5/8	12-1/4
21,581.0		5 1/2" Production Casing	5-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,405.0	1,405.0	Rustler			
1,493.1	1,493.0	Salado (Top Salt)			
4,145.3	4,124.0	Base Salt			
4,175.3	4,154.0	Bell Canyon			
5,188.3	5,167.0	Cherry Canyon			
6,422.3	6,401.0	Brushy Canyon			
7,551.3	7,530.0	L. Brushy Canyon			
8,152.3	8,131.0	BSGL			
8,247.3	8,226.0	Avalon-SS			
9,224.3	9,203.0	FBSG			
9,569.3	9,548.0	SBSC			
9,791.3	9,770.0	SBSG			
10,271.8	10,250.0	TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1,200.0	1,200.0	0.0	0.0	Start Build 1.00
2,000.0	1,997.4	53.8	14.5	Start 1744.5 hold at 2000.0 MD
3,744.5	3,724.9	288.3	77.5	Start Drop -1.50
4,277.8	4,256.5	324.2	87.2	Start 5895.5 hold at 4277.8 MD
10,173.3	10,152.0	324.2	87.2	Start Build 10.00
11,073.3	10,725.0	-228.5	238.4	Start DLS 2.00 TFO 90.00
11,820.3	10,725.0	-966.3	339.9	Start 9026.1 hold at 11820.3 MD
20,846.3	10,725.0	-9,992.2	396.7	TD at 20846.3

Matador Production Company

Rustler Breaks
Boros
Boros Federal #134H

Wellbore #1
BLM Plan #2

Anticollision Report

12 August, 2020

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	20,846.3	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	1,724.8	1,724.3	86.8	74.8	7.287	CC
Boros Federal #024H - Wellbore #1 - BLM Plan #2	6,114.7	6,114.0	98.4	54.3	2.231	ES
Boros Federal #024H - Wellbore #1 - BLM Plan #2	7,506.4	7,522.0	116.8	62.8	2.165	SF
Boros Federal #104H - Wellbore #1 - Actual	875.4	872.4	134.7	129.1	24.283	CC
Boros Federal #104H - Wellbore #1 - Actual	1,100.0	1,096.0	135.5	128.4	18.995	ES
Boros Federal #104H - Wellbore #1 - Actual	7,800.0	7,789.2	254.3	198.6	4.568	SF
Boros Federal #108H - Wellbore #1 - BLM Plan #2	1,200.0	1,200.0	30.0	21.8	3.680	CC
Boros Federal #108H - Wellbore #1 - BLM Plan #2	1,300.0	1,300.0	30.2	21.4	3.414	ES
Boros Federal #108H - Wellbore #1 - BLM Plan #2	6,700.0	6,700.3	75.5	27.0	1.558	SF
Boros Federal #114H - Wellbore #1 - BLM Plan #2	500.0	500.0	42.4	39.3	13.580	CC
Boros Federal #114H - Wellbore #1 - BLM Plan #2	600.0	599.4	43.1	39.3	11.234	ES
Boros Federal #114H - Wellbore #1 - BLM Plan #2	8,905.0	8,907.0	187.6	123.8	2.938	SF
Boros Federal #124H - Wellbore #1 - Actual	0.0	0.0	67.0			
Boros Federal #124H - Wellbore #1 - Actual	9,732.2	9,737.8	73.4	4.7	1.068	Level 2, ES, SF
Boros Federal #204H - Wellbore #1 - Actual	200.0	197.1	170.1	169.3	216.691	CC
Boros Federal #204H - Wellbore #1 - Actual	700.0	695.3	171.9	167.5	39.171	ES
Boros Federal #204H - Wellbore #1 - Actual	20,846.3	21,525.0	898.3	643.7	3.528	SF
Boros Federal #218H - Wellbore #1 - Actual	5,642.5	5,638.3	90.0	49.1	2.198	CC
Boros Federal #218H - Wellbore #1 - Actual	5,700.0	5,695.5	90.3	48.9	2.181	ES
Boros Federal #218H - Wellbore #1 - Actual	5,800.0	5,794.9	91.8	49.7	2.179	SF
Boros Federal #224H - Wellbore #1 - Actual	0.0	0.0	172.7			
Boros Federal #224H - Wellbore #1 - Actual	700.0	697.1	175.4	171.1	40.882	ES
Boros Federal #224H - Wellbore #1 - Actual	10,200.0	10,194.3	369.5	297.4	5.126	SF
Boros Federal #228H - Wellbore #1 - BLM Plan #2	1,503.1	1,502.9	28.9	18.6	2.802	CC, ES
Boros Federal #228H - Wellbore #1 - BLM Plan #2	1,600.0	1,599.5	29.7	18.7	2.702	SF
Boros Federal #244H - Wellbore #1 - BLM Plan #2	4,509.1	4,510.0	46.4	13.1	1.394	Level 3, CC
Boros Federal #244H - Wellbore #1 - BLM Plan #2	10,173.3	10,178.1	82.4	9.9	1.136	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	0.3	0.3	0.0	0.0	89.58	0.7	90.0	90.0				

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	100.3	100.3	0.1	0.1	89.58	0.7	90.0	90.0	89.8	0.26	350.460	
200.0	200.0	200.3	200.3	0.5	0.5	89.58	0.7	90.0	90.0	89.0	0.97	92.437	
300.0	300.0	300.3	300.3	0.8	0.8	89.58	0.7	90.0	90.0	88.3	1.69	53.240	
400.0	400.0	400.3	400.3	1.2	1.2	89.58	0.7	90.0	90.0	87.6	2.41	37.386	
500.0	500.0	500.3	500.3	1.6	1.6	89.58	0.7	90.0	90.0	86.9	3.12	28.808	
600.0	600.0	600.3	600.3	1.9	1.9	89.58	0.7	90.0	90.0	86.2	3.84	23.432	
700.0	700.0	700.3	700.3	2.3	2.3	89.58	0.7	90.0	90.0	85.5	4.56	19.746	
800.0	800.0	800.3	800.3	2.6	2.6	89.58	0.7	90.0	90.0	84.7	5.28	17.063	
900.0	900.0	900.3	900.3	3.0	3.0	89.58	0.7	90.0	90.0	84.0	5.99	15.021	
1,000.0	1,000.0	1,000.3	1,000.3	3.4	3.4	89.58	0.7	90.0	90.0	83.3	6.71	13.416	
1,100.0	1,100.0	1,100.3	1,100.3	3.7	3.7	89.58	0.7	90.0	90.0	82.6	7.43	12.121	
1,200.0	1,200.0	1,200.3	1,200.3	4.1	4.1	89.58	0.7	90.0	90.0	81.9	8.14	11.054	
1,300.0	1,300.0	1,300.3	1,300.3	4.4	4.4	75.07	0.7	90.0	89.8	80.9	8.86	10.134	
1,400.0	1,400.0	1,400.3	1,400.3	4.8	4.8	76.70	0.7	90.0	89.1	79.6	9.58	9.310	
1,500.0	1,499.9	1,500.2	1,500.2	5.1	5.1	79.46	0.7	90.0	88.2	78.0	10.29	8.575	
1,600.0	1,599.7	1,600.0	1,600.0	5.5	5.5	83.40	0.7	90.0	87.3	76.3	11.01	7.934	
1,700.0	1,699.4	1,700.3	1,699.7	5.9	5.9	88.55	0.7	90.0	86.8	75.1	11.73	7.399	
1,724.8	1,724.0	1,724.3	1,724.3	6.0	6.0	90.00	0.7	90.0	86.8	74.8	11.90	7.287	CC
1,800.0	1,798.9	1,800.8	1,799.2	6.2	6.2	94.83	0.7	90.0	87.1	74.6	12.45	6.992	
1,900.0	1,898.3	1,901.4	1,898.6	6.6	6.6	102.07	0.7	90.0	88.7	75.6	13.18	6.732	
2,000.0	1,997.4	2,002.3	1,997.7	7.0	6.9	109.92	0.7	90.0	92.4	78.5	13.91	6.639	
2,100.0	2,096.4	2,103.3	2,096.7	7.3	7.3	117.53	0.7	90.0	98.0	83.4	14.65	6.692	
2,200.0	2,195.5	2,204.2	2,195.8	7.7	7.7	124.22	0.7	90.0	105.2	89.9	15.38	6.842	
2,300.0	2,294.5	2,305.2	2,294.8	8.1	8.0	130.00	0.7	90.0	113.7	97.6	16.11	7.056	
2,400.0	2,393.5	2,406.2	2,393.8	8.5	8.4	134.94	0.7	90.0	123.2	106.3	16.84	7.313	
2,500.0	2,492.5	2,507.2	2,492.8	8.9	8.8	139.16	0.7	90.0	133.4	115.8	17.57	7.593	
2,600.0	2,591.6	2,608.1	2,591.9	9.3	9.1	142.76	0.7	90.0	144.3	126.0	18.29	7.885	
2,700.0	2,690.6	2,709.1	2,690.9	9.7	9.5	145.85	0.7	90.0	155.6	136.6	19.02	8.181	
2,800.0	2,789.6	2,789.9	2,789.9	10.1	9.8	148.52	0.7	90.0	167.3	147.7	19.67	8.506	
2,900.0	2,888.6	2,888.9	2,888.9	10.5	10.1	150.84	0.7	90.0	179.4	159.0	20.39	8.797	
3,000.0	2,987.7	2,988.0	2,988.0	10.9	10.5	152.86	0.7	90.0	191.7	170.6	21.11	9.081	
3,100.0	3,086.7	3,087.0	3,087.0	11.3	10.8	154.64	0.7	90.0	204.2	182.4	21.83	9.355	
3,200.0	3,185.7	3,186.0	3,186.0	11.7	11.2	156.21	0.7	90.0	216.9	194.3	22.54	9.620	
3,300.0	3,284.8	3,285.1	3,285.1	12.1	11.5	157.61	0.7	90.0	229.7	206.4	23.26	9.874	
3,400.0	3,383.8	3,384.1	3,384.1	12.5	11.9	158.86	0.7	90.0	242.6	218.6	23.98	10.118	
3,500.0	3,482.8	3,483.1	3,483.1	12.9	12.3	159.99	0.7	90.0	255.7	231.0	24.70	10.352	
3,600.0	3,581.8	3,586.0	3,586.0	13.3	12.6	161.07	1.3	89.8	268.2	242.8	25.44	10.543	
3,700.0	3,680.9	3,690.1	3,690.1	13.7	13.0	162.17	3.7	89.0	279.1	252.9	26.18	10.660	
3,744.5	3,724.9	3,736.5	3,736.4	13.9	13.2	162.67	5.3	88.5	283.4	256.9	26.51	10.691	
3,800.0	3,779.9	3,794.6	3,794.4	14.1	13.4	163.29	7.9	87.6	288.0	261.1	26.92	10.699	
3,900.0	3,879.3	3,899.4	3,899.1	14.5	13.7	164.32	13.9	85.7	293.0	265.3	27.65	10.596	
4,000.0	3,978.9	4,004.4	4,003.7	14.9	14.1	165.29	21.7	83.1	293.7	265.4	28.37	10.355	
4,100.0	4,078.8	4,109.3	4,108.1	15.3	14.5	166.23	31.4	79.9	290.3	261.2	29.07	9.986	
4,200.0	4,178.7	4,213.8	4,212.0	15.6	14.9	167.19	42.8	76.1	282.7	253.0	29.77	9.498	
4,277.8	4,256.5	4,294.7	4,292.1	15.9	15.2	-176.97	52.9	72.8	273.9	243.6	30.30	9.041	
4,300.0	4,278.7	4,316.9	4,314.1	16.0	15.2	-176.73	55.9	71.9	271.1	240.6	30.45	8.901	
4,400.0	4,378.7	4,415.9	4,412.2	16.3	15.6	-175.60	69.0	67.5	258.1	227.0	31.16	8.285	
4,500.0	4,478.7	4,515.0	4,510.3	16.6	16.0	-174.35	82.0	63.2	245.3	213.5	31.86	7.700	
4,600.0	4,578.7	4,614.0	4,608.3	17.0	16.3	-172.97	95.1	58.9	232.6	200.1	32.57	7.143	
4,700.0	4,678.7	4,713.0	4,706.4	17.3	16.7	-171.43	108.2	54.6	220.1	186.8	33.28	6.614	
4,800.0	4,778.7	4,812.0	4,804.5	17.7	17.1	-169.70	121.3	50.3	207.8	173.8	34.00	6.111	
4,900.0	4,878.7	4,911.1	4,902.5	18.0	17.5	-167.76	134.4	46.0	195.6	160.9	34.71	5.635	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
5,000.0	4,978.7	5,010.1	5,000.6	18.3	17.8	-165.57	147.5	41.7	183.7	148.3	35.44	5.184	
5,100.0	5,078.7	5,109.1	5,098.6	18.7	18.2	-163.08	160.6	37.4	172.1	136.0	36.16	4.760	
5,200.0	5,178.7	5,208.1	5,196.7	19.0	18.6	-160.23	173.7	33.1	160.9	124.0	36.90	4.361	
5,300.0	5,278.7	5,307.2	5,294.8	19.4	19.0	-156.98	186.8	28.8	150.1	112.5	37.65	3.988	
5,400.0	5,378.7	5,406.2	5,392.8	19.7	19.3	-153.24	199.9	24.5	139.9	101.5	38.40	3.644	
5,500.0	5,478.7	5,505.2	5,490.9	20.1	19.7	-148.93	213.0	20.2	130.4	91.2	39.17	3.329	
5,600.0	5,578.7	5,604.3	5,589.0	20.4	20.1	-144.00	226.1	15.9	121.7	81.8	39.95	3.046	
5,700.0	5,678.7	5,703.3	5,687.0	20.7	20.5	-138.36	239.2	11.6	114.1	73.3	40.75	2.799	
5,800.0	5,778.7	5,802.3	5,785.1	21.1	20.9	-132.00	252.2	7.3	107.7	66.1	41.57	2.591	
5,900.0	5,878.7	5,901.3	5,883.2	21.4	21.3	-124.95	265.3	3.0	102.8	60.5	42.39	2.426	
6,000.0	5,978.7	6,000.4	5,981.2	21.8	21.7	-117.34	278.4	-1.3	99.7	56.5	43.20	2.308	
6,100.0	6,078.7	6,100.6	6,079.3	22.1	22.0	-109.39	291.5	-5.7	98.4	54.4	44.01	2.237	
6,114.7	6,093.4	6,114.0	6,093.7	22.2	22.1	-108.21	293.4	-6.3	98.4	54.3	44.12	2.231	ES
6,200.0	6,178.7	6,201.6	6,177.3	22.5	22.4	-101.40	304.6	-10.0	99.1	54.3	44.78	2.213	
6,300.0	6,278.7	6,302.6	6,275.4	22.8	22.8	-93.66	317.7	-14.3	101.7	56.2	45.53	2.234	
6,400.0	6,378.7	6,403.5	6,373.5	23.2	23.2	-86.43	330.8	-18.6	106.1	59.9	46.24	2.295	
6,500.0	6,478.7	6,495.5	6,471.5	23.5	23.6	-79.86	343.9	-22.9	112.1	65.2	46.90	2.389	
6,600.0	6,578.7	6,596.1	6,571.4	23.9	24.0	-74.36	356.1	-26.9	118.7	71.1	47.61	2.494	
6,700.0	6,678.7	6,697.5	6,672.2	24.2	24.4	-70.41	365.9	-30.1	124.7	76.4	48.32	2.581	
6,800.0	6,778.7	6,799.4	6,773.8	24.6	24.8	-67.73	373.2	-32.5	129.5	80.4	49.04	2.640	
6,900.0	6,878.7	6,901.6	6,875.8	24.9	25.1	-66.09	378.0	-34.1	132.7	82.9	49.75	2.667	
7,000.0	6,978.7	7,004.0	6,978.2	25.3	25.5	-65.38	380.1	-34.8	134.2	83.7	50.45	2.660	
7,100.0	7,078.7	7,104.8	7,079.0	25.6	25.9	-65.34	380.2	-34.8	134.3	83.1	51.15	2.625	
7,200.0	7,178.7	7,204.8	7,179.0	26.0	26.2	-65.34	380.2	-34.8	134.3	82.4	51.85	2.590	
7,300.0	7,278.7	7,312.4	7,286.5	26.3	26.5	-66.88	376.1	-34.5	132.5	80.1	52.43	2.527	
7,400.0	7,378.7	7,420.0	7,391.5	26.7	26.8	-76.28	353.4	-32.5	123.9	70.9	52.97	2.339	
7,500.0	7,478.7	7,516.3	7,480.4	27.0	27.0	-93.60	316.9	-29.4	116.8	62.9	53.91	2.167	
7,506.4	7,485.1	7,522.0	7,485.4	27.0	27.0	-94.90	314.2	-29.2	116.8	62.8	53.94	2.165	SF
7,600.0	7,578.7	7,598.4	7,550.5	27.4	27.1	-113.84	274.3	-25.7	126.7	73.9	52.86	2.397	
7,700.0	7,678.7	7,666.7	7,603.6	27.7	27.2	-130.27	231.6	-22.1	161.9	113.6	48.26	3.354	
7,800.0	7,778.7	7,722.9	7,643.2	28.1	27.3	-141.31	192.0	-18.7	217.1	174.1	42.99	5.050	
7,900.0	7,878.7	7,769.0	7,672.7	28.4	27.4	-148.45	156.7	-15.7	284.9	246.3	38.62	7.379	
8,000.0	7,978.7	7,807.2	7,694.9	28.8	27.4	-153.21	125.8	-13.0	360.7	325.5	35.21	10.245	
8,100.0	8,078.7	7,839.0	7,711.8	29.1	27.5	-156.51	98.9	-10.7	441.8	409.2	32.55	13.574	
8,200.0	8,178.7	7,865.8	7,724.8	29.5	27.5	-158.90	75.6	-8.7	526.6	496.1	30.45	17.295	
8,300.0	8,278.7	7,888.5	7,735.0	29.8	27.5	-160.69	55.4	-7.0	614.0	585.3	28.77	21.341	
8,400.0	8,378.7	7,900.0	7,739.9	30.2	27.5	-161.53	45.0	-6.1	703.7	676.7	27.00	26.059	
8,500.0	8,478.7	7,924.9	7,749.6	30.5	27.6	-163.17	22.2	-4.1	794.7	768.3	26.35	30.157	
8,600.0	8,578.7	7,950.0	7,758.5	30.9	27.6	-164.65	-1.2	-2.1	887.2	861.3	25.92	34.222	
8,700.0	8,678.7	7,950.0	7,758.5	31.2	27.6	-164.65	-1.2	-2.1	980.4	955.7	24.69	39.706	
8,800.0	8,778.7	7,950.0	7,758.5	31.6	27.6	-164.65	-1.2	-2.1	1,074.8	1,051.1	23.76	45.233	
8,900.0	8,878.7	7,974.1	7,766.0	32.0	27.7	-165.92	-24.1	-0.2	1,169.5	1,145.7	23.79	49.164	
9,000.0	8,978.7	7,983.2	7,768.6	32.3	27.7	-166.36	-32.8	0.6	1,264.9	1,241.4	23.44	53.958	
9,100.0	9,078.7	8,000.0	7,773.0	32.7	27.7	-167.13	-48.9	2.0	1,360.9	1,337.5	23.39	58.171	
9,200.0	9,178.7	8,000.0	7,773.0	33.0	27.7	-167.13	-48.9	2.0	1,457.1	1,434.1	23.01	63.327	
9,300.0	9,278.7	8,000.0	7,773.0	33.4	27.7	-167.13	-48.9	2.0	1,553.8	1,531.1	22.73	68.364	
9,400.0	9,378.7	8,000.0	7,773.0	33.7	27.7	-167.13	-48.9	2.0	1,650.9	1,628.4	22.53	73.265	
9,500.0	9,478.7	8,000.0	7,773.0	34.1	27.7	-167.13	-48.9	2.0	1,748.4	1,726.0	22.41	78.022	
9,600.0	9,578.7	8,022.6	7,778.2	34.4	27.8	-168.09	-70.9	3.8	1,845.5	1,822.8	22.71	81.247	
9,700.0	9,678.7	8,027.4	7,779.2	34.8	27.8	-168.28	-75.5	4.2	1,943.2	1,920.4	22.74	85.445	
9,800.0	9,778.7	8,050.0	7,783.3	35.1	27.8	-169.12	-97.6	6.1	2,041.4	2,018.3	23.07	88.499	
9,900.0	9,878.7	8,050.0	7,783.3	35.5	27.8	-169.12	-97.6	6.1	2,139.3	2,116.2	23.07	92.718	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	9,978.7	8,050.0	7,783.3	35.8	27.8	-169.12	-97.6	6.1	2,237.3	2,214.2	23.11	96.796	
10,100.0	10,078.7	8,050.0	7,783.3	36.2	27.8	-169.12	-97.6	6.1	2,335.5	2,312.3	23.18	100.737	
10,173.3	10,152.0	8,050.0	7,783.3	36.5	27.8	-169.12	-97.6	6.1	2,407.6	2,384.4	23.25	103.540	
10,200.0	10,178.7	8,050.0	7,783.3	36.5	27.8	20.91	-97.6	6.1	2,433.8	2,410.5	23.27	104.567	
10,250.0	10,228.5	8,050.0	7,783.3	36.7	27.8	15.08	-97.6	6.1	2,482.1	2,458.8	23.29	106.555	
10,300.0	10,277.7	8,050.0	7,783.3	36.8	27.8	11.77	-97.6	6.1	2,529.3	2,506.0	23.29	108.603	
10,350.0	10,325.9	8,050.0	7,783.3	37.0	27.8	9.66	-97.6	6.1	2,575.0	2,551.8	23.27	110.682	
10,400.0	10,372.8	8,050.0	7,783.3	37.1	27.8	8.21	-97.6	6.1	2,619.1	2,595.8	23.23	112.760	
10,450.0	10,418.1	8,050.0	7,783.3	37.2	27.8	7.17	-97.6	6.1	2,661.2	2,638.0	23.18	114.808	
10,500.0	10,461.3	8,070.4	7,786.3	37.3	27.9	6.45	-117.8	7.9	2,700.7	2,677.4	23.31	115.879	
10,550.0	10,502.1	8,076.2	7,787.0	37.4	27.9	5.86	-123.5	8.4	2,738.0	2,714.7	23.29	117.554	
10,600.0	10,540.3	8,100.0	7,789.3	37.5	28.0	5.47	-147.1	10.4	2,772.9	2,749.5	23.42	118.408	
10,650.0	10,575.6	8,100.0	7,789.3	37.6	28.0	5.09	-147.1	10.4	2,804.6	2,781.2	23.36	120.081	
10,700.0	10,607.6	8,100.0	7,789.3	37.7	28.0	4.79	-147.1	10.4	2,833.3	2,810.0	23.31	121.540	
10,750.0	10,636.1	8,100.0	7,789.3	37.8	28.0	4.55	-147.1	10.4	2,859.0	2,835.7	23.29	122.740	
10,800.0	10,661.0	8,100.0	7,789.3	37.9	28.0	4.35	-147.1	10.4	2,881.5	2,858.2	23.31	123.641	
10,850.0	10,682.0	8,117.8	7,790.4	38.0	28.0	4.25	-164.7	11.9	2,900.5	2,877.1	23.44	123.768	
10,900.0	10,698.9	8,125.5	7,790.7	38.1	28.0	4.16	-172.4	12.5	2,916.2	2,892.7	23.54	123.875	
10,950.0	10,711.7	8,143.8	7,791.0	38.2	28.1	4.13	-190.6	14.1	2,928.5	2,904.8	23.72	123.483	
11,000.0	10,720.3	8,143.8	7,791.0	38.3	28.1	4.07	-190.6	14.1	2,937.0	2,913.1	23.86	123.077	
11,050.0	10,724.5	8,175.3	7,791.0	38.5	28.2	4.14	-222.1	16.6	2,941.8	2,917.7	24.13	121.913	
11,073.3	10,725.0	8,196.5	7,791.0	38.5	28.3	4.22	-243.3	18.1	2,942.6	2,918.3	24.28	121.216	
11,100.0	10,725.0	8,220.8	7,791.0	38.6	28.3	4.32	-267.5	19.7	2,943.0	2,918.5	24.45	120.350	
11,200.0	10,725.0	8,311.4	7,791.0	39.0	28.7	4.69	-358.0	23.5	2,944.6	2,919.4	25.16	117.049	
11,300.0	10,725.0	8,404.4	7,791.0	39.4	29.1	5.07	-450.9	24.7	2,946.2	2,920.3	25.95	113.551	
11,400.0	10,725.0	8,503.0	7,791.0	39.8	29.7	5.41	-549.6	25.4	2,947.7	2,920.9	26.82	109.916	
11,500.0	10,725.0	8,602.2	7,791.0	40.4	30.3	5.69	-648.7	26.0	2,949.0	2,921.2	27.74	106.293	
11,600.0	10,725.0	8,701.7	7,791.0	40.9	31.0	5.89	-748.3	26.6	2,949.9	2,921.2	28.72	102.731	
11,700.0	10,725.0	8,801.5	7,791.0	41.6	31.8	6.01	-848.1	27.2	2,950.6	2,920.8	29.72	99.262	
11,800.0	10,725.0	8,901.5	7,791.0	42.2	32.6	6.07	-948.1	27.9	2,950.8	2,920.1	30.77	95.911	
11,820.3	10,725.0	8,921.8	7,791.0	42.3	32.8	6.07	-968.3	28.0	2,950.8	2,919.8	30.98	95.244	
11,900.0	10,725.0	9,001.5	7,791.0	42.9	33.5	6.07	-1,048.1	28.5	2,950.8	2,919.0	31.84	92.680	
12,000.0	10,725.0	9,101.5	7,791.0	43.7	34.5	6.07	-1,148.1	29.1	2,950.8	2,917.9	32.95	89.548	
12,100.0	10,725.0	9,201.5	7,791.0	44.4	35.5	6.07	-1,248.1	29.7	2,950.8	2,916.7	34.10	86.528	
12,200.0	10,725.0	9,301.5	7,791.0	45.3	36.6	6.07	-1,348.1	30.4	2,950.8	2,915.5	35.29	83.627	
12,300.0	10,725.0	9,401.5	7,791.0	46.2	37.7	6.07	-1,448.1	31.0	2,950.8	2,914.3	36.50	80.847	
12,400.0	10,725.0	9,501.5	7,791.0	47.1	38.8	6.07	-1,548.1	31.6	2,950.8	2,913.1	37.74	78.190	
12,500.0	10,725.0	9,601.5	7,791.0	48.1	40.0	6.07	-1,648.1	32.3	2,950.8	2,911.8	39.00	75.654	
12,600.0	10,725.0	9,701.5	7,791.0	49.1	41.2	6.07	-1,748.1	32.9	2,950.8	2,910.5	40.29	73.236	
12,700.0	10,725.0	9,801.5	7,791.0	50.1	42.4	6.07	-1,848.0	33.5	2,950.8	2,909.2	41.60	70.933	
12,800.0	10,725.0	9,901.5	7,791.0	51.2	43.7	6.07	-1,948.0	34.2	2,950.8	2,907.9	42.93	68.740	
12,900.0	10,725.0	10,001.5	7,791.0	52.3	45.0	6.07	-2,048.0	34.8	2,950.8	2,906.6	44.27	66.653	
13,000.0	10,725.0	10,101.5	7,791.0	53.4	46.3	6.07	-2,148.0	35.4	2,950.8	2,905.2	45.63	64.667	
13,100.0	10,725.0	10,201.5	7,791.0	54.6	47.6	6.07	-2,248.0	36.0	2,950.8	2,903.8	47.01	62.776	
13,200.0	10,725.0	10,301.5	7,791.0	55.7	49.0	6.07	-2,348.0	36.7	2,950.8	2,902.4	48.39	60.976	
13,300.0	10,725.0	10,401.5	7,791.0	56.9	50.4	6.07	-2,448.0	37.3	2,950.8	2,901.0	49.79	59.262	
13,400.0	10,725.0	10,501.5	7,791.0	58.2	51.7	6.07	-2,548.0	37.9	2,950.8	2,899.6	51.20	57.629	
13,500.0	10,725.0	10,601.5	7,791.0	59.4	53.1	6.07	-2,648.0	38.6	2,950.8	2,898.2	52.62	56.073	
13,600.0	10,725.0	10,701.5	7,791.0	60.7	54.6	6.07	-2,748.0	39.2	2,950.8	2,896.8	54.06	54.589	
13,700.0	10,725.0	10,801.5	7,791.0	62.0	56.0	6.07	-2,848.0	39.8	2,950.8	2,895.3	55.50	53.172	
13,800.0	10,725.0	10,901.5	7,791.0	63.3	57.4	6.07	-2,948.0	40.4	2,950.8	2,893.9	56.94	51.820	
13,900.0	10,725.0	11,001.5	7,791.0	64.6	58.9	6.07	-3,048.0	41.1	2,950.8	2,892.4	58.40	50.529	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
14,000.0	10,725.0	11,101.5	7,791.0	65.9	60.4	6.07	-3,148.0	41.7	2,950.8	2,891.0	59.86	49.294	
14,100.0	10,725.0	11,201.5	7,791.0	67.3	61.8	6.07	-3,248.0	42.3	2,950.8	2,889.5	61.33	48.113	
14,200.0	10,725.0	11,301.5	7,791.0	68.6	63.3	6.07	-3,348.0	43.0	2,950.8	2,888.0	62.81	46.983	
14,300.0	10,725.0	11,401.5	7,791.0	70.0	64.8	6.07	-3,448.0	43.6	2,950.8	2,886.5	64.29	45.900	
14,400.0	10,725.0	11,501.5	7,791.0	71.4	66.3	6.07	-3,548.0	44.2	2,950.8	2,885.1	65.77	44.863	
14,500.0	10,725.0	11,601.5	7,791.0	72.8	67.8	6.07	-3,648.0	44.8	2,950.8	2,883.6	67.27	43.868	
14,600.0	10,725.0	11,701.5	7,791.0	74.2	69.3	6.07	-3,748.0	45.5	2,950.8	2,882.1	68.76	42.913	
14,700.0	10,725.0	11,801.5	7,791.0	75.6	70.8	6.07	-3,848.0	46.1	2,950.8	2,880.6	70.26	41.997	
14,800.0	10,725.0	11,901.5	7,791.0	77.0	72.4	6.07	-3,948.0	46.7	2,950.8	2,879.1	71.77	41.116	
14,900.0	10,725.0	12,001.5	7,791.0	78.5	73.9	6.07	-4,048.0	47.4	2,950.8	2,877.6	73.28	40.270	
15,000.0	10,725.0	12,101.5	7,791.0	79.9	75.4	6.07	-4,148.0	48.0	2,950.8	2,876.0	74.79	39.455	
15,100.0	10,725.0	12,201.5	7,791.0	81.3	77.0	6.07	-4,248.0	48.6	2,950.8	2,874.5	76.31	38.671	
15,200.0	10,725.0	12,301.5	7,791.0	82.8	78.5	6.07	-4,348.0	49.2	2,950.8	2,873.0	77.82	37.916	
15,300.0	10,725.0	12,401.5	7,791.0	84.3	80.1	6.07	-4,448.0	49.9	2,950.8	2,871.5	79.35	37.189	
15,400.0	10,725.0	12,501.5	7,791.0	85.7	81.6	6.07	-4,548.0	50.5	2,950.8	2,870.0	80.87	36.488	
15,500.0	10,725.0	12,601.5	7,791.0	87.2	83.2	6.07	-4,648.0	51.1	2,950.8	2,868.4	82.40	35.811	
15,600.0	10,725.0	12,701.5	7,791.0	88.7	84.7	6.07	-4,748.0	51.8	2,950.8	2,866.9	83.93	35.158	
15,700.0	10,725.0	12,801.5	7,791.0	90.2	86.3	6.07	-4,848.0	52.4	2,950.8	2,865.4	85.46	34.527	
15,800.0	10,725.0	12,901.5	7,791.0	91.7	87.9	6.07	-4,948.0	53.0	2,950.8	2,863.8	87.00	33.918	
15,900.0	10,725.0	13,001.5	7,791.0	93.2	89.4	6.07	-5,048.0	53.7	2,950.8	2,862.3	88.54	33.329	
16,000.0	10,725.0	13,101.5	7,791.0	94.7	91.0	6.07	-5,148.0	54.3	2,950.8	2,860.8	90.08	32.759	
16,100.0	10,725.0	13,201.5	7,791.0	96.2	92.6	6.07	-5,248.0	54.9	2,950.8	2,859.2	91.62	32.208	
16,200.0	10,725.0	13,301.5	7,791.0	97.7	94.2	6.07	-5,348.0	55.5	2,950.8	2,857.7	93.16	31.674	
16,300.0	10,725.0	13,401.5	7,791.0	99.2	95.7	6.07	-5,448.0	56.2	2,950.8	2,856.1	94.71	31.157	
16,400.0	10,725.0	13,501.5	7,791.0	100.8	97.3	6.07	-5,548.0	56.8	2,950.8	2,854.6	96.25	30.656	
16,500.0	10,725.0	13,601.5	7,791.0	102.3	98.9	6.07	-5,648.0	57.4	2,950.8	2,853.0	97.80	30.171	
16,600.0	10,725.0	13,701.5	7,791.0	103.8	100.5	6.07	-5,748.0	58.1	2,950.8	2,851.5	99.35	29.700	
16,700.0	10,725.0	13,801.5	7,791.0	105.4	102.1	6.07	-5,848.0	58.7	2,950.8	2,849.9	100.91	29.243	
16,800.0	10,725.0	13,901.5	7,791.0	106.9	103.7	6.07	-5,948.0	59.3	2,950.8	2,848.4	102.46	28.800	
16,900.0	10,725.0	14,001.5	7,791.0	108.4	105.3	6.07	-6,048.0	59.9	2,950.8	2,846.8	104.01	28.369	
17,000.0	10,725.0	14,101.5	7,791.0	110.0	106.9	6.07	-6,148.0	60.6	2,950.8	2,845.3	105.57	27.951	
17,100.0	10,725.0	14,201.5	7,791.0	111.5	108.5	6.07	-6,248.0	61.2	2,950.8	2,843.7	107.13	27.545	
17,200.0	10,725.0	14,301.5	7,791.0	113.1	110.1	6.07	-6,348.0	61.8	2,950.8	2,842.1	108.69	27.150	
17,300.0	10,725.0	14,401.5	7,791.0	114.6	111.7	6.07	-6,448.0	62.5	2,950.8	2,840.6	110.25	26.766	
17,400.0	10,725.0	14,501.5	7,791.0	116.2	113.3	6.07	-6,548.0	63.1	2,950.8	2,839.0	111.81	26.392	
17,500.0	10,725.0	14,601.5	7,791.0	117.8	114.9	6.07	-6,648.0	63.7	2,950.8	2,837.5	113.37	26.029	
17,600.0	10,725.0	14,701.5	7,791.0	119.3	116.5	6.07	-6,748.0	64.3	2,950.8	2,835.9	114.93	25.675	
17,700.0	10,725.0	14,801.5	7,791.0	120.9	118.1	6.07	-6,847.9	65.0	2,950.8	2,834.3	116.50	25.330	
17,800.0	10,725.0	14,901.5	7,791.0	122.5	119.7	6.07	-6,947.9	65.6	2,950.8	2,832.8	118.06	24.994	
17,900.0	10,725.0	15,001.5	7,791.0	124.0	121.3	6.07	-7,047.9	66.2	2,950.8	2,831.2	119.63	24.667	
18,000.0	10,725.0	15,101.5	7,791.0	125.6	122.9	6.07	-7,147.9	66.9	2,950.8	2,829.6	121.19	24.348	
18,100.0	10,725.0	15,201.5	7,791.0	127.2	124.5	6.07	-7,247.9	67.5	2,950.8	2,828.1	122.76	24.038	
18,200.0	10,725.0	15,301.5	7,791.0	128.8	126.1	6.07	-7,347.9	68.1	2,950.8	2,826.5	124.33	23.734	
18,300.0	10,725.0	15,401.5	7,791.0	130.3	127.7	6.07	-7,447.9	68.7	2,950.8	2,824.9	125.90	23.439	
18,400.0	10,725.0	15,501.5	7,791.0	131.9	129.3	6.07	-7,547.9	69.4	2,950.8	2,823.4	127.47	23.150	
18,500.0	10,725.0	15,601.5	7,791.0	133.5	131.0	6.07	-7,647.9	70.0	2,950.8	2,821.8	129.04	22.868	
18,600.0	10,725.0	15,701.5	7,791.0	135.1	132.6	6.07	-7,747.9	70.6	2,950.8	2,820.2	130.61	22.593	
18,700.0	10,725.0	15,801.5	7,791.0	136.7	134.2	6.07	-7,847.9	71.3	2,950.8	2,818.7	132.18	22.324	
18,800.0	10,725.0	15,901.5	7,791.0	138.2	135.8	6.07	-7,947.9	71.9	2,950.8	2,817.1	133.75	22.062	
18,900.0	10,725.0	16,001.5	7,791.0	139.8	137.4	6.07	-8,047.9	72.5	2,950.8	2,815.5	135.32	21.806	
19,000.0	10,725.0	16,101.5	7,791.0	141.4	139.0	6.07	-8,147.9	73.2	2,950.8	2,813.9	136.90	21.555	
19,100.0	10,725.0	16,201.5	7,791.0	143.0	140.7	6.07	-8,247.9	73.8	2,950.8	2,812.4	138.47	21.310	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
19,200.0	10,725.0	16,301.5	7,791.0	144.6	142.3	6.07	-8,347.9	74.4	2,950.8	2,810.8	140.05	21.070	
19,300.0	10,725.0	16,401.5	7,791.0	146.2	143.9	6.07	-8,447.9	75.0	2,950.8	2,809.2	141.62	20.836	
19,400.0	10,725.0	16,501.5	7,791.0	147.8	145.5	6.07	-8,547.9	75.7	2,950.8	2,807.6	143.20	20.607	
19,500.0	10,725.0	16,601.5	7,791.0	149.4	147.1	6.07	-8,647.9	76.3	2,950.8	2,806.1	144.77	20.382	
19,600.0	10,725.0	16,701.5	7,791.0	151.0	148.8	6.07	-8,747.9	76.9	2,950.8	2,804.5	146.35	20.163	
19,700.0	10,725.0	16,801.5	7,791.0	152.6	150.4	6.07	-8,847.9	77.6	2,950.8	2,802.9	147.93	19.948	
19,800.0	10,725.0	16,901.5	7,791.0	154.2	152.0	6.07	-8,947.9	78.2	2,950.8	2,801.3	149.51	19.737	
19,900.0	10,725.0	17,001.5	7,791.0	155.8	153.6	6.07	-9,047.9	78.8	2,950.8	2,799.8	151.09	19.531	
20,000.0	10,725.0	17,101.5	7,791.0	157.4	155.3	6.07	-9,147.9	79.4	2,950.8	2,798.2	152.66	19.329	
20,100.0	10,725.0	17,201.5	7,791.0	159.0	156.9	6.07	-9,247.9	80.1	2,950.8	2,796.6	154.24	19.131	
20,200.0	10,725.0	17,301.5	7,791.0	160.6	158.5	6.07	-9,347.9	80.7	2,950.8	2,795.0	155.82	18.937	
20,300.0	10,725.0	17,401.5	7,791.0	162.2	160.2	6.07	-9,447.9	81.3	2,950.8	2,793.4	157.40	18.747	
20,400.0	10,725.0	17,501.5	7,791.0	163.8	161.8	6.07	-9,547.9	82.0	2,950.8	2,791.9	158.98	18.561	
20,500.0	10,725.0	17,601.5	7,791.0	165.4	163.4	6.07	-9,647.9	82.6	2,950.8	2,790.3	160.56	18.378	
20,600.0	10,725.0	17,701.5	7,791.0	167.0	165.0	6.07	-9,747.9	83.2	2,950.8	2,788.7	162.14	18.199	
20,700.0	10,725.0	17,801.5	7,791.0	168.6	166.7	6.07	-9,847.9	83.8	2,950.8	2,787.1	163.73	18.023	
20,800.0	10,725.0	17,901.5	7,791.0	170.2	168.3	6.07	-9,947.9	84.5	2,950.8	2,785.5	165.31	17.851	
20,846.3	10,725.0	17,947.8	7,791.0	171.0	169.1	6.07	-9,994.2	84.8	2,950.8	2,784.8	166.04	17.772	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	-1.0	-140.0	140.0				
100.0	100.0	97.4	97.4	0.1	0.2	-90.39	-0.9	-139.9	139.9	139.6	0.28	494.551	
200.0	200.0	197.8	197.8	0.5	0.3	-90.26	-0.6	-139.4	139.4	138.6	0.80	174.323	
300.0	300.0	298.2	298.2	0.8	0.6	-90.07	-0.2	-138.7	138.7	137.3	1.43	97.030	
400.0	400.0	398.3	398.3	1.2	0.9	-89.82	0.4	-137.8	137.8	135.7	2.15	64.187	
500.0	500.0	498.6	498.5	1.6	1.3	-89.45	1.3	-136.8	136.8	133.9	2.86	47.754	
600.0	600.0	598.0	597.9	1.9	1.7	-89.03	2.3	-135.8	135.8	132.2	3.58	37.948	
700.0	700.0	697.7	697.7	2.3	2.0	-88.74	3.0	-135.2	135.3	131.0	4.29	31.495	
800.0	800.0	797.6	797.6	2.6	2.4	-88.37	3.8	-134.7	134.8	129.8	5.01	26.909	
875.4	875.4	872.4	872.4	2.9	2.6	-88.12	4.4	-134.6	134.7	129.1	5.55	24.283	CC
900.0	900.0	896.9	896.9	3.0	2.7	-88.05	4.6	-134.6	134.7	129.0	5.72	23.544	
1,000.0	1,000.0	996.4	996.4	3.4	3.1	-87.68	5.5	-134.9	135.0	128.5	6.43	20.998	
1,100.0	1,100.0	1,096.0	1,096.0	3.7	3.4	-87.31	6.4	-135.4	135.5	128.4	7.13	18.995	ES
1,200.0	1,200.0	1,195.2	1,195.1	4.1	3.8	-86.77	7.7	-136.4	136.6	128.8	7.84	17.428	
1,300.0	1,300.0	1,294.8	1,294.7	4.4	4.1	-101.53	9.3	-137.9	138.4	129.9	8.55	16.196	
1,400.0	1,400.0	1,394.1	1,394.0	4.8	4.5	-101.92	10.9	-139.6	140.7	131.4	9.25	15.208	
1,500.0	1,499.9	1,494.2	1,494.1	5.1	4.8	-102.69	13.3	-141.6	143.8	133.9	9.96	14.436	
1,600.0	1,599.7	1,594.7	1,594.5	5.5	5.2	-103.94	16.1	-143.2	146.9	136.2	10.68	13.758	
1,700.0	1,699.4	1,694.6	1,694.3	5.9	5.5	-106.08	18.0	-144.7	150.4	139.0	11.39	13.196	
1,800.0	1,798.9	1,794.8	1,794.6	6.2	5.9	-109.23	18.7	-145.9	154.5	142.4	12.10	12.760	
1,900.0	1,898.3	1,893.6	1,893.3	6.6	6.2	-113.81	16.3	-146.5	159.5	146.7	12.80	12.463	
2,000.0	1,997.4	1,992.1	1,991.7	7.0	6.5	-119.11	12.3	-147.2	166.9	153.4	13.49	12.368	
2,100.0	2,096.4	2,090.6	2,090.1	7.3	6.9	-124.37	7.9	-147.6	176.0	161.8	14.19	12.403	
2,200.0	2,195.5	2,190.2	2,189.6	7.7	7.2	-129.09	3.8	-147.8	186.2	171.3	14.90	12.497	
2,300.0	2,294.5	2,291.3	2,290.6	8.1	7.5	-133.26	0.4	-147.3	196.5	180.9	15.61	12.583	
2,400.0	2,393.5	2,391.2	2,390.5	8.5	7.9	-136.69	-1.6	-146.4	206.5	190.2	16.32	12.650	
2,500.0	2,492.5	2,490.0	2,489.4	8.9	8.2	-139.73	-3.3	-145.2	216.9	199.9	17.03	12.738	
2,600.0	2,591.6	2,588.1	2,587.4	9.3	8.6	-142.51	-5.2	-144.2	228.1	210.4	17.73	12.862	
2,700.0	2,690.6	2,686.2	2,685.5	9.7	8.9	-145.06	-7.4	-143.3	240.0	221.6	18.44	13.020	
2,800.0	2,789.6	2,786.0	2,785.3	10.1	9.3	-147.33	-9.3	-142.5	252.4	233.3	19.15	13.180	
2,900.0	2,888.6	2,893.5	2,892.7	10.5	9.6	-149.20	-8.8	-141.2	263.1	243.2	19.90	13.220	
3,000.0	2,987.7	2,996.4	2,995.6	10.9	10.0	-150.62	-5.9	-139.2	271.8	251.1	20.63	13.175	
3,100.0	3,086.7	3,100.8	3,099.9	11.3	10.4	-151.86	-1.7	-136.6	279.3	258.0	21.36	13.081	
3,200.0	3,185.7	3,206.9	3,205.6	11.7	10.7	-152.40	6.9	-134.5	284.4	262.3	22.08	12.877	
3,300.0	3,284.8	3,305.7	3,303.9	12.1	11.1	-152.57	16.5	-133.1	288.7	265.9	22.81	12.658	
3,400.0	3,383.8	3,404.4	3,402.2	12.5	11.4	-152.90	24.9	-131.7	293.8	270.3	23.53	12.485	
3,500.0	3,482.8	3,505.2	3,502.6	12.9	11.8	-153.24	33.6	-130.1	298.8	274.5	24.26	12.314	
3,600.0	3,581.8	3,603.9	3,600.9	13.3	12.2	-153.66	41.8	-128.1	303.7	278.7	24.99	12.152	
3,700.0	3,680.9	3,702.9	3,699.7	13.7	12.5	-153.96	50.0	-126.9	309.1	283.4	25.72	12.021	
3,744.5	3,724.9	3,747.5	3,744.1	13.9	12.7	-154.02	54.0	-126.6	311.5	285.5	26.04	11.964	
3,800.0	3,779.9	3,801.7	3,798.1	14.1	12.9	-154.08	58.7	-126.3	314.3	287.9	26.44	11.887	
3,900.0	3,879.3	3,899.0	3,895.0	14.5	13.2	-154.01	66.8	-126.3	318.1	290.9	27.17	11.708	
4,000.0	3,978.9	3,999.9	3,995.5	14.9	13.6	-153.38	76.1	-128.0	320.0	292.1	27.90	11.468	
4,100.0	4,078.8	4,097.5	4,092.6	15.3	13.9	-152.33	86.0	-130.4	319.4	290.8	28.63	11.156	
4,200.0	4,178.7	4,195.7	4,190.3	15.6	14.3	-151.24	94.6	-132.7	317.5	288.1	29.35	10.817	
4,277.8	4,256.5	4,272.4	4,266.8	15.9	14.6	-135.26	100.8	-134.2	314.8	284.8	29.91	10.523	
4,300.0	4,278.7	4,294.3	4,288.6	16.0	14.7	-135.00	102.5	-134.6	313.8	283.8	30.07	10.436	
4,400.0	4,378.7	4,392.6	4,386.6	16.3	15.0	-133.80	109.8	-136.4	310.0	279.2	30.79	10.069	
4,500.0	4,478.7	4,494.5	4,488.1	16.6	15.4	-132.42	117.7	-138.7	306.3	274.8	31.52	9.717	
4,600.0	4,578.7	4,597.9	4,591.0	17.0	15.8	-130.70	127.7	-141.3	301.7	269.5	32.27	9.351	
4,700.0	4,678.7	4,698.7	4,691.2	17.3	16.1	-128.74	138.9	-143.8	296.6	263.6	33.01	8.984	
4,800.0	4,778.7	4,796.9	4,788.8	17.7	16.5	-126.81	149.6	-146.1	291.7	258.0	33.75	8.645	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,900.0	4,878.7	4,895.6	4,886.9	18.0	16.9	-124.91	159.8	-148.5	287.6	253.1	34.48	8.340	
5,000.0	4,978.7	4,998.7	4,989.4	18.3	17.3	-122.86	170.7	-150.4	283.2	248.0	35.24	8.037	
5,100.0	5,078.7	5,099.9	5,090.0	18.7	17.6	-120.72	182.4	-151.5	278.0	242.0	35.99	7.726	
5,200.0	5,178.7	5,197.7	5,187.2	19.0	18.0	-118.64	193.3	-152.6	273.4	236.7	36.73	7.443	
5,300.0	5,278.7	5,296.5	5,285.4	19.4	18.4	-116.59	203.6	-153.6	269.5	232.0	37.48	7.191	
5,400.0	5,378.7	5,395.8	5,384.2	19.7	18.8	-114.58	213.5	-154.7	266.2	227.9	38.22	6.964	
5,500.0	5,478.7	5,495.7	5,483.6	20.1	19.1	-112.61	223.1	-155.5	263.0	224.0	38.96	6.750	
5,600.0	5,578.7	5,595.1	5,582.6	20.4	19.5	-110.67	232.4	-156.2	260.2	220.5	39.71	6.553	
5,700.0	5,678.7	5,694.4	5,681.5	20.7	19.9	-108.82	241.1	-156.7	257.7	217.3	40.44	6.372	
5,800.0	5,778.7	5,793.9	5,780.7	21.1	20.3	-107.09	249.1	-157.1	255.7	214.5	41.18	6.208	
5,900.0	5,878.7	5,895.1	5,881.5	21.4	20.6	-105.40	256.9	-157.2	253.6	211.7	41.92	6.050	
6,000.0	5,978.7	5,995.3	5,981.3	21.8	21.0	-103.46	265.7	-157.0	251.2	208.5	42.66	5.888	
6,100.0	6,078.7	6,094.3	6,079.8	22.1	21.4	-101.14	276.0	-157.3	249.2	205.8	43.40	5.742	
6,200.0	6,178.7	6,194.1	6,179.1	22.5	21.8	-98.68	286.8	-157.7	247.8	203.6	44.15	5.612	
6,300.0	6,278.7	6,294.3	6,278.7	22.8	22.1	-96.21	297.5	-157.9	246.5	201.6	44.90	5.490	
6,400.0	6,378.7	6,394.7	6,378.5	23.2	22.5	-93.83	307.8	-157.6	245.3	199.7	45.64	5.375	
6,500.0	6,478.7	6,494.2	6,477.5	23.5	22.9	-91.51	317.7	-157.1	244.3	198.0	46.38	5.268	
6,600.0	6,578.7	6,593.6	6,576.5	23.9	23.3	-89.23	327.5	-156.6	243.8	196.7	47.11	5.175	
6,700.0	6,678.7	6,694.5	6,676.9	24.2	23.7	-86.93	337.2	-155.9	243.4	195.6	47.85	5.088	
6,800.0	6,778.7	6,794.0	6,776.0	24.6	24.0	-84.73	346.5	-154.9	243.1	194.5	48.58	5.004	
6,827.2	6,805.9	6,821.1	6,802.9	24.7	24.1	-84.15	349.0	-154.6	243.1	194.3	48.77	4.984	
6,900.0	6,878.7	6,893.3	6,874.9	24.9	24.4	-82.59	355.5	-154.0	243.2	193.9	49.30	4.933	
7,000.0	6,978.7	6,993.9	6,975.0	25.3	24.8	-80.51	364.4	-153.0	243.5	193.5	50.03	4.868	
7,100.0	7,078.7	7,092.5	7,073.4	25.6	25.2	-78.67	372.2	-152.2	244.2	193.4	50.74	4.812	
7,200.0	7,178.7	7,192.2	7,172.8	26.0	25.5	-77.16	378.7	-151.9	245.3	193.8	51.45	4.767	
7,300.0	7,278.7	7,292.3	7,272.8	26.3	25.9	-75.99	383.9	-151.9	246.4	194.2	52.16	4.724	
7,400.0	7,378.7	7,391.8	7,372.2	26.7	26.3	-75.01	388.3	-152.1	247.8	194.9	52.87	4.686	
7,500.0	7,478.7	7,492.0	7,472.3	27.0	26.6	-74.03	392.7	-152.3	249.1	195.5	53.58	4.649	
7,600.0	7,578.7	7,591.2	7,571.4	27.4	27.0	-73.11	397.0	-152.6	250.7	196.4	54.28	4.618	
7,700.0	7,678.7	7,691.2	7,671.3	27.7	27.3	-72.29	401.0	-153.2	252.4	197.4	54.99	4.590	
7,800.0	7,778.7	7,789.2	7,769.3	28.1	27.7	-71.84	403.4	-154.4	254.3	198.6	55.67	4.568	SF
7,900.0	7,878.7	7,877.7	7,857.3	28.4	28.0	-73.49	397.4	-159.9	258.3	202.1	56.22	4.596	
8,000.0	7,978.7	7,956.4	7,932.0	28.8	28.2	-78.44	377.6	-173.8	269.9	213.7	56.24	4.800	
8,100.0	8,078.7	8,033.2	8,001.0	29.1	28.3	-84.80	349.7	-192.8	290.9	235.3	55.65	5.228	
8,200.0	8,178.7	8,121.7	8,076.5	29.5	28.5	-92.65	310.2	-216.4	319.7	264.5	55.23	5.789	
8,300.0	8,278.7	8,200.4	8,139.5	29.8	28.6	-100.12	266.8	-234.6	354.1	300.0	54.10	6.545	
8,400.0	8,378.7	8,265.4	8,188.8	30.2	28.7	-106.12	226.9	-249.3	396.9	344.7	52.22	7.602	
8,500.0	8,478.7	8,326.9	8,233.5	30.5	28.8	-111.33	187.3	-263.5	447.7	397.4	50.30	8.900	
8,600.0	8,578.7	8,382.2	8,272.2	30.9	28.9	-115.57	150.1	-276.7	504.8	456.5	48.37	10.438	
8,700.0	8,678.7	8,426.0	8,301.3	31.2	29.0	-118.69	119.1	-287.5	568.0	521.9	46.16	12.306	
8,800.0	8,778.7	8,461.6	8,323.5	31.6	29.1	-121.09	92.8	-296.6	636.7	592.7	43.92	14.497	
8,900.0	8,878.7	8,505.7	8,349.5	32.0	29.2	-123.86	59.1	-307.9	709.5	667.0	42.48	16.701	
9,000.0	8,978.7	8,538.9	8,368.3	32.3	29.3	-125.84	32.9	-316.1	785.1	744.3	40.86	19.216	
9,100.0	9,078.7	8,568.0	8,383.4	32.7	29.4	-127.57	8.9	-322.6	864.1	824.8	39.34	21.964	
9,200.0	9,178.7	8,584.7	8,391.3	33.0	29.5	-128.59	-5.4	-325.9	945.8	908.2	37.63	25.137	
9,300.0	9,278.7	8,615.0	8,404.3	33.4	29.5	-130.49	-32.4	-330.5	1,030.0	993.3	36.64	28.111	
9,400.0	9,378.7	8,615.0	8,404.3	33.7	29.5	-130.49	-32.4	-330.5	1,115.8	1,080.9	34.91	31.963	
9,500.0	9,478.7	8,642.0	8,414.6	34.1	29.6	-132.23	-57.2	-333.0	1,203.3	1,169.1	34.21	35.175	
9,600.0	9,578.7	8,664.0	8,422.1	34.4	29.7	-133.68	-77.9	-333.8	1,292.1	1,258.6	33.50	38.570	
9,700.0	9,678.7	8,677.1	8,426.3	34.8	29.7	-134.55	-90.3	-333.8	1,382.0	1,349.3	32.72	42.238	
9,800.0	9,778.7	8,693.9	8,431.4	35.1	29.8	-135.65	-106.3	-333.6	1,472.9	1,440.7	32.16	45.802	
9,900.0	9,878.7	8,711.0	8,436.4	35.5	29.8	-136.76	-122.6	-333.0	1,564.5	1,532.8	31.71	49.342	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	9,978.7	8,711.0	8,436.4	35.8	29.8	-136.76	-122.6	-333.0	1,657.0	1,626.0	31.04	53.380	
10,100.0	10,078.7	8,727.2	8,440.8	36.2	29.9	-137.79	-138.2	-332.2	1,750.0	1,719.3	30.77	56.875	
10,173.3	10,152.0	8,732.9	8,442.2	36.5	29.9	-138.15	-143.7	-331.9	1,818.7	1,788.2	30.51	59.600	
10,200.0	10,178.7	8,735.0	8,442.8	36.5	29.9	51.34	-145.7	-331.8	1,843.6	1,813.2	30.43	60.594	
10,250.0	10,228.5	8,739.9	8,443.9	36.7	29.9	42.53	-150.4	-331.5	1,889.7	1,859.4	30.26	62.456	
10,300.0	10,277.7	8,760.0	8,448.6	36.8	30.0	35.61	-170.0	-330.4	1,934.7	1,904.4	30.30	63.849	
10,350.0	10,325.9	8,760.0	8,448.6	37.0	30.0	30.86	-170.0	-330.4	1,978.1	1,948.0	30.02	65.881	
10,400.0	10,372.8	8,760.0	8,448.6	37.1	30.0	27.19	-170.0	-330.4	2,019.7	1,990.0	29.75	67.896	
10,450.0	10,418.1	8,760.0	8,448.6	37.2	30.0	24.32	-170.0	-330.4	2,059.6	2,030.1	29.48	69.868	
10,500.0	10,461.3	8,760.0	8,448.6	37.3	30.0	22.04	-170.0	-330.4	2,097.5	2,068.2	29.22	71.773	
10,550.0	10,502.1	8,760.0	8,448.6	37.4	30.0	20.21	-170.0	-330.4	2,133.1	2,104.1	28.99	73.583	
10,600.0	10,540.3	8,760.0	8,448.6	37.5	30.0	18.72	-170.0	-330.4	2,166.4	2,137.6	28.78	75.267	
10,650.0	10,575.6	8,760.0	8,448.6	37.6	30.0	17.50	-170.0	-330.4	2,197.2	2,168.6	28.61	76.793	
10,700.0	10,607.6	8,802.8	8,456.1	37.7	30.1	16.60	-212.1	-328.2	2,223.3	2,194.4	28.87	77.015	
10,750.0	10,636.1	8,811.1	8,457.2	37.8	30.1	15.83	-220.3	-327.9	2,247.9	2,219.1	28.82	78.004	
10,800.0	10,661.0	8,855.0	8,460.8	37.9	30.3	15.35	-264.0	-326.6	2,270.9	2,241.8	29.09	78.055	
10,850.0	10,682.0	8,855.0	8,460.8	38.0	30.3	14.85	-264.0	-326.6	2,288.7	2,259.7	29.03	78.831	
10,900.0	10,698.9	8,855.0	8,460.8	38.1	30.3	14.46	-264.0	-326.6	2,303.5	2,274.5	29.04	79.327	
10,950.0	10,711.7	8,855.0	8,460.8	38.2	30.3	14.16	-264.0	-326.6	2,315.3	2,286.2	29.11	79.526	
11,000.0	10,720.3	8,855.0	8,460.8	38.3	30.3	13.94	-264.0	-326.6	2,323.9	2,294.7	29.26	79.419	
11,050.0	10,724.5	8,887.7	8,462.0	38.5	30.4	14.00	-296.7	-325.8	2,329.1	2,299.5	29.61	78.666	
11,073.3	10,725.0	8,903.2	8,462.5	38.5	30.5	14.06	-312.1	-325.3	2,330.2	2,300.4	29.78	78.254	
11,100.0	10,725.0	8,921.0	8,463.0	38.6	30.5	14.17	-329.9	-324.7	2,331.0	2,301.0	29.98	77.762	
11,200.0	10,725.0	8,993.3	8,464.1	39.0	30.8	14.58	-402.1	-321.5	2,334.3	2,303.6	30.76	75.895	
11,300.0	10,725.0	9,076.2	8,464.2	39.4	31.2	14.92	-484.8	-316.2	2,337.8	2,306.3	31.58	74.036	
11,400.0	10,725.0	9,171.6	8,463.4	39.8	31.7	15.16	-579.9	-307.8	2,340.8	2,308.4	32.42	72.193	
11,500.0	10,725.0	9,273.5	8,461.6	40.4	32.3	15.25	-681.2	-296.4	2,343.1	2,309.8	33.28	70.408	
11,600.0	10,725.0	9,402.5	8,460.8	40.9	33.2	15.25	-809.5	-283.5	2,343.7	2,309.5	34.27	68.393	
11,700.0	10,725.0	9,500.1	8,461.3	41.6	34.0	15.19	-906.7	-274.9	2,342.7	2,307.5	35.19	66.574	
11,800.0	10,725.0	9,612.3	8,462.0	42.2	34.9	15.02	-1,018.6	-265.9	2,340.8	2,304.6	36.19	64.681	
11,820.3	10,725.0	9,637.8	8,462.5	42.3	35.1	14.98	-1,043.9	-264.4	2,340.2	2,303.8	36.42	64.261	
11,900.0	10,725.0	9,732.0	8,465.1	42.9	36.0	14.93	-1,138.1	-260.7	2,337.3	2,300.0	37.33	62.619	
12,000.0	10,725.0	9,812.0	8,467.6	43.7	36.8	14.91	-1,218.0	-258.7	2,333.9	2,295.6	38.31	60.924	
12,100.0	10,725.0	9,887.0	8,469.3	44.4	37.5	14.89	-1,293.0	-257.2	2,331.4	2,292.1	39.31	59.305	
12,200.0	10,725.0	9,979.3	8,470.4	45.3	38.5	14.87	-1,385.2	-255.3	2,329.8	2,289.4	40.45	57.603	
12,300.0	10,725.0	10,124.0	8,474.2	46.2	40.1	14.89	-1,529.8	-254.2	2,327.2	2,285.2	41.96	55.458	
12,400.0	10,725.0	10,206.0	8,477.3	47.1	41.0	14.95	-1,611.7	-255.5	2,324.1	2,281.0	43.16	53.852	
12,500.0	10,725.0	10,286.0	8,479.6	48.1	41.9	15.01	-1,691.8	-256.8	2,321.9	2,277.5	44.37	52.331	
12,600.0	10,725.0	10,350.9	8,480.7	49.1	42.7	15.04	-1,756.6	-257.6	2,320.8	2,275.3	45.51	50.996	
12,618.7	10,725.0	10,362.9	8,480.7	49.3	42.8	15.05	-1,768.6	-257.7	2,320.8	2,275.1	45.73	50.754	
12,700.0	10,725.0	10,419.5	8,480.6	50.1	43.5	15.07	-1,825.2	-258.1	2,321.3	2,274.6	46.70	49.711	
12,800.0	10,725.0	10,494.8	8,479.5	51.2	44.4	15.07	-1,900.5	-258.3	2,322.9	2,275.0	47.94	48.459	
12,900.0	10,725.0	10,577.0	8,477.3	52.3	45.4	15.05	-1,982.7	-257.4	2,325.4	2,276.2	49.21	47.251	
13,000.0	10,725.0	10,641.1	8,474.5	53.4	46.3	15.01	-2,046.7	-256.0	2,329.1	2,278.7	50.40	46.208	
13,100.0	10,725.0	10,913.7	8,469.2	54.6	49.8	14.74	-2,318.9	-244.5	2,330.5	2,277.8	52.66	44.251	
13,200.0	10,725.0	10,987.7	8,470.9	55.7	50.8	14.76	-2,392.9	-244.1	2,328.2	2,274.3	53.96	43.147	
13,300.0	10,725.0	11,104.9	8,473.2	56.9	52.4	14.75	-2,510.0	-242.7	2,326.2	2,270.7	55.54	41.885	
13,400.0	10,725.0	11,196.7	8,476.0	58.2	53.7	14.78	-2,601.8	-242.3	2,323.4	2,266.4	56.99	40.771	
13,500.0	10,725.0	11,261.5	8,477.5	59.4	54.6	14.84	-2,666.5	-244.1	2,321.9	2,263.6	58.30	39.825	
13,543.9	10,725.0	11,288.7	8,477.9	60.0	54.9	14.87	-2,693.7	-245.0	2,321.8	2,262.9	58.88	39.431	
13,600.0	10,725.0	11,323.6	8,478.1	60.7	55.4	14.90	-2,728.5	-246.0	2,322.0	2,262.4	59.62	38.948	
13,700.0	10,725.0	11,535.4	8,482.5	62.0	58.4	14.97	-2,940.3	-246.7	2,320.0	2,258.0	61.92	37.466	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,800.0	10,725.0	11,650.0	8,487.2	63.3	60.0	15.01	-3,054.8	-246.1	2,316.0	2,252.4	63.58	36.425	
13,900.0	10,725.0	11,753.8	8,492.9	64.6	61.5	15.04	-3,158.4	-245.2	2,310.6	2,245.5	65.18	35.449	
14,000.0	10,725.0	11,808.0	8,495.2	65.9	62.3	15.07	-3,212.5	-245.7	2,307.0	2,240.5	66.46	34.709	
14,100.0	10,725.0	11,864.8	8,496.6	67.3	63.2	15.12	-3,269.4	-246.7	2,305.2	2,237.4	67.78	34.008	
14,137.9	10,725.0	11,886.8	8,496.9	67.8	63.5	15.13	-3,291.3	-247.2	2,305.0	2,236.7	68.29	33.754	
14,200.0	10,725.0	11,925.9	8,497.0	68.6	64.0	15.16	-3,330.4	-248.0	2,305.2	2,236.1	69.14	33.343	
14,300.0	10,725.0	11,995.0	8,496.4	70.0	65.1	15.20	-3,399.5	-249.5	2,306.8	2,236.3	70.55	32.698	
14,400.0	10,725.0	12,045.6	8,495.1	71.4	65.8	15.23	-3,450.1	-250.8	2,310.1	2,238.3	71.83	32.160	
14,500.0	10,725.0	12,223.4	8,489.6	72.8	68.4	15.31	-3,627.7	-254.5	2,314.6	2,240.6	74.02	31.271	
14,600.0	10,725.0	12,466.0	8,497.9	74.2	72.1	15.33	-3,870.1	-251.5	2,309.3	2,232.7	76.58	30.156	
14,700.0	10,725.0	12,541.0	8,501.2	75.6	73.2	15.31	-3,945.0	-249.2	2,304.4	2,226.4	78.01	29.539	
14,800.0	10,725.0	12,596.2	8,502.8	77.0	74.0	15.29	-4,000.1	-247.8	2,301.1	2,221.8	79.32	29.011	
14,900.0	10,725.0	14,900.0	8,504.0	78.5	109.1	15.27	-4,100.7	-246.0	2,299.7	2,200.4	99.33	23.154	
15,000.0	10,725.0	12,831.2	8,508.0	79.9	77.6	15.24	-4,235.0	-242.6	2,296.2	2,213.4	82.74	27.751	
15,100.0	10,725.0	12,907.0	8,510.0	81.3	78.8	15.20	-4,310.7	-240.2	2,293.0	2,208.8	84.19	27.237	
15,200.0	10,725.0	12,999.7	8,511.6	82.8	80.2	15.16	-4,403.4	-237.4	2,290.7	2,205.0	85.73	26.720	
15,300.0	10,725.0	13,079.9	8,512.8	84.3	81.4	15.11	-4,483.5	-234.4	2,288.5	2,201.4	87.18	26.250	
15,388.8	10,725.0	13,135.0	8,512.8	85.6	82.3	15.07	-4,538.5	-232.4	2,287.9	2,199.5	88.37	25.890	
15,400.0	10,725.0	13,135.0	8,512.8	85.7	82.3	15.07	-4,538.5	-232.4	2,287.9	2,199.4	88.47	25.859	
15,500.0	10,725.0	13,204.0	8,511.9	87.2	83.4	15.04	-4,607.6	-231.0	2,288.9	2,199.0	89.87	25.469	
15,600.0	10,725.0	13,271.8	8,510.2	88.7	84.4	15.04	-4,675.3	-231.3	2,291.5	2,200.2	91.29	25.102	
15,700.0	10,725.0	13,381.4	8,506.5	90.2	86.1	15.05	-4,784.8	-231.9	2,295.1	2,202.1	93.01	24.676	
15,800.0	10,725.0	13,512.6	8,504.7	91.7	88.1	15.11	-4,916.0	-233.8	2,296.9	2,202.0	94.95	24.191	
15,900.0	10,725.0	13,598.8	8,503.3	93.2	89.5	15.12	-5,002.2	-234.0	2,298.7	2,202.1	96.52	23.816	
16,000.0	10,725.0	13,658.5	8,501.7	94.7	90.4	15.11	-5,061.9	-233.9	2,301.5	2,203.6	97.87	23.516	
16,100.0	10,725.0	13,717.0	8,499.0	96.2	91.3	15.11	-5,120.3	-234.4	2,306.3	2,207.1	99.21	23.248	
16,200.0	10,725.0	13,838.9	8,493.5	97.7	93.2	15.14	-5,242.0	-236.2	2,311.2	2,210.1	101.07	22.867	
16,300.0	10,725.0	14,029.3	8,488.9	99.2	96.2	15.21	-5,432.3	-239.2	2,314.2	2,210.7	103.50	22.359	
16,400.0	10,725.0	14,096.0	8,488.0	100.8	97.2	15.23	-5,499.0	-239.6	2,315.8	2,210.9	104.95	22.065	
16,500.0	10,725.0	14,170.4	8,486.0	102.3	98.4	15.24	-5,573.4	-240.1	2,318.7	2,212.3	106.45	21.783	
16,600.0	10,725.0	14,349.0	8,482.2	103.8	101.2	15.17	-5,751.9	-237.3	2,320.6	2,212.0	108.61	21.366	
16,700.0	10,725.0	14,472.6	8,481.6	105.4	103.2	15.02	-5,875.3	-230.5	2,319.8	2,209.6	110.26	21.041	
16,800.0	10,725.0	14,578.1	8,482.3	106.9	104.9	14.97	-5,980.7	-227.6	2,318.6	2,206.7	111.90	20.720	
16,900.0	10,725.0	14,669.0	8,483.3	108.4	106.3	14.98	-6,071.7	-226.9	2,317.5	2,204.0	113.53	20.413	
16,990.5	10,725.0	14,737.7	8,483.6	109.8	107.4	14.98	-6,140.3	-226.4	2,317.1	2,202.2	114.90	20.166	
17,000.0	10,725.0	14,744.8	8,483.6	110.0	107.5	14.98	-6,147.5	-226.3	2,317.1	2,202.0	115.04	20.141	
17,100.0	10,725.0	15,067.5	8,495.9	111.5	112.7	14.83	-6,469.4	-214.7	2,313.2	2,195.5	117.73	19.649	
17,200.0	10,725.0	15,096.6	8,498.0	113.1	113.1	14.83	-6,498.4	-214.4	2,305.5	2,186.4	119.11	19.356	
17,300.0	10,725.0	15,146.0	8,500.5	114.6	113.9	14.85	-6,547.8	-214.2	2,300.4	2,179.8	120.56	19.081	
17,400.0	10,725.0	15,212.5	8,502.7	116.2	115.0	14.88	-6,614.2	-214.2	2,297.2	2,175.1	122.08	18.816	
17,500.0	10,725.0	15,287.3	8,504.7	117.8	116.2	14.90	-6,689.1	-214.2	2,294.8	2,171.2	123.65	18.559	
17,600.0	10,725.0	15,354.2	8,505.8	119.3	117.2	14.94	-6,755.9	-215.1	2,293.8	2,168.6	125.17	18.325	
17,615.5	10,725.0	15,363.5	8,505.8	119.6	117.4	14.95	-6,765.2	-215.3	2,293.8	2,168.4	125.40	18.291	
17,700.0	10,725.0	15,414.0	8,505.9	120.9	118.2	14.99	-6,815.7	-216.8	2,294.4	2,167.7	126.65	18.116	
17,800.0	10,725.0	15,542.2	8,505.7	122.5	120.2	15.11	-6,943.8	-221.0	2,295.7	2,167.0	128.73	17.834	
17,900.0	10,725.0	15,690.2	8,507.3	124.0	122.6	15.18	-7,091.8	-222.5	2,295.2	2,164.3	130.86	17.539	
18,000.0	10,725.0	15,764.4	8,508.7	125.6	123.8	15.20	-7,166.0	-222.3	2,293.5	2,161.1	132.41	17.321	
18,035.3	10,725.0	15,783.5	8,508.8	126.2	124.1	15.20	-7,185.0	-222.4	2,293.4	2,160.5	132.91	17.255	
18,100.0	10,725.0	15,815.0	8,508.8	127.2	124.6	15.22	-7,216.6	-222.8	2,293.8	2,160.0	133.79	17.145	
18,200.0	10,725.0	15,869.3	8,508.0	128.8	125.5	15.26	-7,270.8	-224.3	2,296.2	2,161.0	135.18	16.986	
18,300.0	10,725.0	15,911.0	8,506.7	130.3	126.1	15.29	-7,312.5	-226.0	2,300.7	2,164.3	136.42	16.865	
18,400.0	10,725.0	15,982.3	8,503.2	131.9	127.3	15.37	-7,383.6	-229.4	2,307.0	2,169.1	137.96	16.723	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
18,500.0	10,725.0	18,500.0	8,497.0	133.5	167.4	15.47	-7,491.5	-234.6	2,314.0	2,153.4	160.61	14.408	
18,600.0	10,725.0	18,600.0	8,490.0	135.1	169.0	15.62	-7,638.4	-242.2	2,320.3	2,157.6	162.70	14.261	
18,700.0	10,725.0	16,373.2	8,486.7	136.7	133.5	15.75	-7,773.6	-247.6	2,323.7	2,179.2	144.58	16.072	
18,800.0	10,725.0	16,501.9	8,484.2	138.2	135.5	15.84	-7,902.3	-251.5	2,326.7	2,179.9	146.70	15.859	
18,900.0	10,725.0	16,697.6	8,483.6	139.8	138.7	15.85	-8,097.9	-250.7	2,327.4	2,178.3	149.11	15.609	
19,000.0	10,725.0	16,787.0	8,483.8	141.4	140.2	15.74	-8,187.2	-245.6	2,325.7	2,175.1	150.58	15.446	
19,100.0	10,725.0	19,100.0	8,487.1	143.0	177.7	15.58	-8,347.7	-236.8	2,322.2	2,151.2	171.00	13.580	
19,200.0	10,725.0	17,060.0	8,491.9	144.6	144.6	15.50	-8,459.6	-231.5	2,316.9	2,162.9	153.97	15.048	
19,300.0	10,725.0	17,117.9	8,493.9	146.2	145.5	15.47	-8,517.5	-229.2	2,312.8	2,157.4	155.41	14.882	
19,400.0	10,725.0	17,178.4	8,494.6	147.8	146.5	15.43	-8,578.0	-227.1	2,310.9	2,154.1	156.82	14.736	
19,500.0	10,725.0	17,268.2	8,494.7	149.4	148.0	15.36	-8,667.6	-223.4	2,309.8	2,151.5	158.33	14.589	
19,562.1	10,725.0	17,312.5	8,494.4	150.4	148.7	15.32	-8,711.9	-221.4	2,309.6	2,150.4	159.19	14.508	
19,600.0	10,725.0	17,346.0	8,494.0	151.0	149.2	15.28	-8,745.4	-220.0	2,309.7	2,149.9	159.75	14.458	
19,700.0	10,725.0	17,402.5	8,492.7	152.6	150.1	15.23	-8,801.8	-217.8	2,310.9	2,149.9	161.03	14.351	
19,800.0	10,725.0	17,473.6	8,490.1	154.2	151.3	15.17	-8,872.8	-215.4	2,313.8	2,151.4	162.38	14.249	
19,900.0	10,725.0	17,586.0	8,485.1	155.8	153.1	15.05	-8,985.0	-210.9	2,317.2	2,153.3	163.96	14.133	
20,000.0	10,725.0	17,755.8	8,481.7	157.4	155.9	14.92	-9,154.7	-205.6	2,318.4	2,152.5	165.97	13.969	
20,100.0	10,725.0	17,879.0	8,482.8	159.0	157.9	14.91	-9,277.9	-203.9	2,317.3	2,149.5	167.81	13.810	
20,200.0	10,725.0	17,971.4	8,483.8	160.6	159.4	14.91	-9,370.2	-203.2	2,316.3	2,146.8	169.48	13.667	
20,300.0	10,725.0	18,058.3	8,484.3	162.2	160.8	14.91	-9,457.2	-202.4	2,315.6	2,144.5	171.09	13.534	
20,400.0	10,725.0	18,182.9	8,484.9	163.8	162.8	14.92	-9,581.8	-201.8	2,315.4	2,142.4	172.98	13.385	
20,500.0	10,725.0	18,280.7	8,486.3	165.4	164.4	14.91	-9,679.5	-200.4	2,313.8	2,139.1	174.66	13.247	
20,600.0	10,725.0	18,370.2	8,487.0	167.0	165.9	14.89	-9,769.0	-198.9	2,312.7	2,136.5	176.27	13.120	
20,700.0	10,725.0	18,476.4	8,487.4	168.6	167.6	14.84	-9,875.1	-196.3	2,311.9	2,133.9	177.93	12.993	
20,800.0	10,725.0	18,564.5	8,487.3	170.2	169.0	14.76	-9,963.2	-192.0	2,310.9	2,131.6	179.38	12.883	
20,846.3	10,725.0	18,607.8	8,486.9	171.0	169.7	14.70	-10,006.4	-189.5	2,310.7	2,130.7	180.03	12.835	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	0.0	0.0	0.0	0.0	-92.95	-1.5	-29.9	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	-92.95	-1.5	-29.9	30.0	29.7	0.26	116.907	
200.0	200.0	200.0	200.0	0.5	0.5	-92.95	-1.5	-29.9	30.0	29.0	0.97	30.788	
300.0	300.0	300.0	300.0	0.8	0.8	-92.95	-1.5	-29.9	30.0	28.3	1.69	17.728	
400.0	400.0	400.0	400.0	1.2	1.2	-92.95	-1.5	-29.9	30.0	27.6	2.41	12.448	
500.0	500.0	500.0	500.0	1.6	1.6	-92.95	-1.5	-29.9	30.0	26.8	3.12	9.591	
600.0	600.0	600.0	600.0	1.9	1.9	-92.95	-1.5	-29.9	30.0	26.1	3.84	7.801	
700.0	700.0	700.0	700.0	2.3	2.3	-92.95	-1.5	-29.9	30.0	25.4	4.56	6.574	
800.0	800.0	800.0	800.0	2.6	2.6	-92.95	-1.5	-29.9	30.0	24.7	5.27	5.681	
900.0	900.0	900.0	900.0	3.0	3.0	-92.95	-1.5	-29.9	30.0	24.0	5.99	5.001	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	-92.95	-1.5	-29.9	30.0	23.3	6.71	4.466	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	-92.95	-1.5	-29.9	30.0	22.5	7.43	4.035	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	-92.95	-1.5	-29.9	30.0	21.8	8.14	3.680	CC
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	-109.57	-1.5	-29.9	30.2	21.4	8.86	3.414	ES
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	-114.09	-1.5	-29.9	31.2	21.6	9.58	3.261	
1,500.0	1,499.9	1,500.1	1,499.9	5.1	5.1	-120.95	-1.5	-29.9	33.2	22.9	10.29	3.230	
1,600.0	1,599.7	1,600.3	1,599.7	5.5	5.5	-129.10	-1.5	-29.9	36.8	25.7	11.01	3.339	
1,700.0	1,699.4	1,700.6	1,699.4	5.9	5.9	-137.36	-1.5	-29.9	42.2	30.4	11.73	3.594	
1,800.0	1,798.9	1,801.1	1,798.9	6.2	6.2	-144.82	-1.5	-29.9	49.6	37.2	12.45	3.988	
1,900.0	1,898.3	1,901.7	1,898.3	6.6	6.6	-151.08	-1.5	-29.9	59.3	46.1	13.17	4.501	
2,000.0	1,997.4	2,002.6	1,997.4	7.0	6.9	-156.13	-1.5	-29.9	71.0	57.1	13.89	5.111	
2,100.0	2,096.4	2,103.6	2,096.4	7.3	7.3	-159.97	-1.5	-29.9	83.9	69.3	14.61	5.743	
2,200.0	2,195.5	2,204.5	2,195.5	7.7	7.7	-162.78	-1.5	-29.9	97.1	81.8	15.33	6.334	
2,300.0	2,294.5	2,305.5	2,294.5	8.1	8.0	-164.92	-1.5	-29.9	110.5	94.5	16.06	6.883	
2,400.0	2,393.5	2,406.5	2,393.5	8.5	8.4	-166.59	-1.5	-29.9	124.0	107.2	16.78	7.391	
2,500.0	2,492.5	2,507.5	2,492.5	8.9	8.8	-167.93	-1.5	-29.9	137.6	120.1	17.50	7.862	
2,600.0	2,591.6	2,608.4	2,591.6	9.3	9.1	-169.03	-1.5	-29.9	151.2	133.0	18.22	8.298	
2,700.0	2,690.6	2,709.4	2,690.6	9.7	9.5	-169.95	-1.5	-29.9	164.9	146.0	18.95	8.703	
2,800.0	2,789.6	2,789.6	2,789.6	10.1	9.8	-170.73	-1.5	-29.9	178.6	159.0	19.60	9.115	
2,900.0	2,888.6	2,888.6	2,888.6	10.5	10.1	-171.40	-1.5	-29.9	192.4	172.1	20.32	9.470	
3,000.0	2,987.7	2,987.7	2,987.7	10.9	10.5	-171.98	-1.5	-29.9	206.2	185.1	21.04	9.801	
3,100.0	3,086.7	3,086.7	3,086.7	11.3	10.8	-172.48	-1.5	-29.9	220.0	198.2	21.75	10.111	
3,200.0	3,185.7	3,185.7	3,185.7	11.7	11.2	-172.93	-1.5	-29.9	233.8	211.3	22.47	10.402	
3,300.0	3,284.8	3,284.8	3,284.8	12.1	11.5	-173.33	-1.5	-29.9	247.6	224.4	23.19	10.675	
3,400.0	3,383.8	3,383.8	3,383.8	12.5	11.9	-173.68	-1.5	-29.9	261.4	237.5	23.91	10.932	
3,500.0	3,482.8	3,482.8	3,482.8	12.9	12.3	-174.00	-1.5	-29.9	275.3	250.6	24.63	11.175	
3,600.0	3,581.8	3,581.8	3,581.8	13.3	12.6	-174.29	-1.5	-29.9	289.1	263.8	25.35	11.403	
3,700.0	3,680.9	3,680.9	3,680.9	13.7	13.0	-174.55	-1.5	-29.9	303.0	276.9	26.07	11.620	
3,744.5	3,724.9	3,724.9	3,724.9	13.9	13.1	-174.66	-1.5	-29.9	309.1	282.7	26.39	11.712	
3,800.0	3,779.9	3,779.9	3,779.9	14.1	13.3	-174.79	-1.5	-29.9	316.4	289.6	26.79	11.810	
3,900.0	3,879.3	3,884.0	3,884.0	14.5	13.7	-175.01	-1.0	-29.6	327.0	299.4	27.54	11.873	
4,000.0	3,978.9	3,989.7	3,989.7	14.9	14.1	-175.25	1.1	-28.2	333.2	304.9	28.29	11.779	
4,100.0	4,078.8	4,095.8	4,095.6	15.3	14.4	-175.51	4.9	-25.9	335.0	306.0	29.02	11.542	
4,200.0	4,178.7	4,201.7	4,201.4	15.6	14.8	-175.80	10.4	-22.4	332.4	302.7	29.75	11.173	
4,277.8	4,256.5	4,283.9	4,283.4	15.9	15.1	-161.00	15.7	-19.0	327.3	297.0	30.30	10.802	
4,300.0	4,278.7	4,307.4	4,306.7	16.0	15.2	-161.08	17.4	-17.9	325.5	295.0	30.46	10.685	
4,400.0	4,378.7	4,412.6	4,411.5	16.3	15.6	-161.51	26.1	-12.5	316.0	284.8	31.16	10.141	
4,500.0	4,478.7	4,517.5	4,515.6	16.6	16.0	-162.06	36.4	-6.0	304.7	272.9	31.84	9.570	
4,600.0	4,578.7	4,620.8	4,618.0	17.0	16.3	-162.74	48.1	1.4	291.8	259.3	32.53	8.972	
4,700.0	4,678.7	4,719.8	4,716.0	17.3	16.7	-163.48	59.7	8.7	278.4	245.2	33.23	8.377	
4,800.0	4,778.7	4,818.8	4,814.1	17.7	17.0	-164.29	71.4	16.1	265.0	231.1	33.94	7.808	
4,900.0	4,878.7	4,917.8	4,912.1	18.0	17.4	-165.19	83.0	23.4	251.7	217.0	34.65	7.264	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
5,000.0	4,978.7	5,016.9	5,010.2	18.3	17.8	-166.19	94.7	30.8	238.4	203.1	35.36	6.743	
5,100.0	5,078.7	5,115.9	5,108.3	18.7	18.1	-167.31	106.3	38.1	225.3	189.2	36.07	6.244	
5,200.0	5,178.7	5,214.9	5,206.3	19.0	18.5	-168.57	118.0	45.5	212.2	175.4	36.79	5.767	
5,300.0	5,278.7	5,313.9	5,304.4	19.4	18.9	-169.99	129.6	52.8	199.2	161.7	37.51	5.311	
5,400.0	5,378.7	5,413.0	5,402.5	19.7	19.3	-171.61	141.3	60.2	186.4	148.2	38.23	4.875	
5,500.0	5,478.7	5,512.0	5,500.5	20.1	19.6	-173.46	153.0	67.6	173.7	134.8	38.96	4.459	
5,600.0	5,578.7	5,611.0	5,598.6	20.4	20.0	-175.60	164.6	74.9	161.3	121.6	39.69	4.063	
5,700.0	5,678.7	5,710.0	5,696.6	20.7	20.4	-178.09	176.3	82.3	149.1	108.7	40.43	3.687	
5,800.0	5,778.7	5,809.1	5,794.7	21.1	20.8	178.98	187.9	89.6	137.2	96.0	41.18	3.332	
5,900.0	5,878.7	5,908.1	5,892.8	21.4	21.2	175.51	199.6	97.0	125.8	83.8	41.95	2.999	
6,000.0	5,978.7	6,007.1	5,990.8	21.8	21.5	171.37	211.2	104.3	114.9	72.2	42.73	2.689	
6,100.0	6,078.7	6,106.2	6,088.9	22.1	21.9	166.41	222.9	111.7	104.7	61.2	43.52	2.406	
6,200.0	6,178.7	6,205.2	6,187.0	22.5	22.3	160.44	234.6	119.0	95.5	51.2	44.34	2.154	
6,300.0	6,278.7	6,304.2	6,285.0	22.8	22.7	153.31	246.2	126.4	87.5	42.3	45.18	1.937	
6,400.0	6,378.7	6,403.2	6,383.1	23.2	23.1	144.94	257.9	133.7	81.2	35.1	46.03	1.763	
6,500.0	6,478.7	6,502.3	6,481.2	23.5	23.5	135.40	269.5	141.1	76.8	29.9	46.88	1.639	
6,600.0	6,578.7	6,601.3	6,579.2	23.9	23.9	125.08	281.2	148.5	74.9	27.2	47.68	1.570	
6,626.8	6,605.5	6,627.8	6,605.5	24.0	24.0	122.25	284.3	150.4	74.8	26.9	47.89	1.561	
6,700.0	6,678.7	6,700.3	6,677.3	24.2	24.2	114.56	292.8	155.8	75.5	27.0	48.42	1.558	SF
6,800.0	6,778.7	6,800.7	6,775.3	24.6	24.6	104.54	304.5	163.2	78.6	29.5	49.11	1.600	
6,900.0	6,878.7	6,901.6	6,873.4	24.9	25.0	95.52	316.1	170.5	83.9	34.1	49.74	1.686	
7,000.0	6,978.7	7,002.6	6,971.5	25.3	25.4	87.73	327.8	177.9	91.0	40.7	50.36	1.808	
7,100.0	7,078.7	7,103.6	7,069.5	25.6	25.8	81.15	339.5	185.2	99.6	48.7	50.97	1.955	
7,200.0	7,178.7	7,195.5	7,167.7	26.0	26.2	75.67	351.1	192.6	109.3	57.8	51.57	2.120	
7,300.0	7,278.7	7,297.0	7,268.4	26.3	26.6	71.44	361.9	199.4	118.8	66.5	52.28	2.272	
7,400.0	7,378.7	7,399.1	7,370.0	26.7	27.0	68.55	370.4	204.7	126.6	73.6	53.00	2.389	
7,500.0	7,478.7	7,501.7	7,472.3	27.0	27.4	66.65	376.6	208.7	132.5	78.8	53.72	2.467	
7,600.0	7,578.7	7,604.6	7,575.1	27.4	27.7	65.54	380.6	211.2	136.3	81.8	54.42	2.504	
7,700.0	7,678.7	7,707.7	7,678.1	27.7	28.1	65.11	382.2	212.2	137.8	82.7	55.11	2.500	
7,800.0	7,778.7	7,808.3	7,778.7	28.1	28.5	65.10	382.2	212.2	137.8	82.0	55.81	2.470	
7,900.0	7,878.7	7,908.3	7,878.7	28.4	28.8	65.10	382.2	212.2	137.8	81.3	56.52	2.439	
8,000.0	7,978.7	8,008.3	7,978.7	28.8	29.1	65.10	382.2	212.2	137.8	80.6	57.22	2.409	
8,100.0	8,078.7	8,108.3	8,078.7	29.1	29.5	65.10	382.2	212.2	137.8	79.9	57.93	2.379	
8,200.0	8,178.7	8,208.3	8,178.7	29.5	29.8	65.10	382.2	212.2	137.8	79.2	58.63	2.351	
8,300.0	8,278.7	8,310.3	8,280.7	29.8	30.2	65.46	381.3	212.3	137.6	78.3	59.31	2.320	
8,400.0	8,378.7	8,414.7	8,383.9	30.2	30.5	71.73	366.3	214.7	134.4	74.4	60.00	2.241	
8,474.3	8,453.0	8,487.2	8,453.0	30.4	30.7	80.92	345.1	218.1	132.6	71.9	60.69	2.185	
8,500.0	8,478.7	8,510.8	8,474.9	30.5	30.7	84.74	336.4	219.5	133.0	72.1	60.91	2.183	
8,600.0	8,578.7	8,594.8	8,549.4	30.9	30.9	100.64	298.2	225.6	143.9	83.3	60.57	2.375	
8,700.0	8,678.7	8,666.1	8,607.6	31.2	31.0	114.65	257.7	232.1	174.6	117.2	57.36	3.044	
8,800.0	8,778.7	8,725.5	8,652.0	31.6	31.0	124.93	218.6	238.3	223.7	171.1	52.62	4.251	
8,900.0	8,878.7	8,774.8	8,685.5	32.0	31.1	132.01	182.9	244.1	286.2	238.1	48.05	5.955	
9,000.0	8,978.7	8,815.9	8,710.9	32.3	31.1	136.90	151.1	249.1	357.6	313.4	44.18	8.093	
9,100.0	9,078.7	8,850.0	8,730.3	32.7	31.1	140.36	123.4	253.6	435.2	394.2	41.02	10.609	
9,200.0	9,178.7	8,879.2	8,745.5	33.0	31.1	142.93	98.8	257.5	517.2	478.7	38.50	13.434	
9,300.0	9,278.7	8,900.0	8,755.6	33.4	31.2	144.57	80.8	260.4	602.4	566.2	36.19	16.645	
9,400.0	9,378.7	8,925.0	8,766.8	33.7	31.2	146.35	58.7	263.9	690.0	655.3	34.78	19.841	
9,500.0	9,478.7	8,950.0	8,777.0	34.1	31.2	147.95	36.2	267.5	779.7	745.9	33.77	23.086	
9,600.0	9,578.7	8,950.0	8,777.0	34.4	31.2	147.95	36.2	267.5	870.8	838.8	31.92	27.280	
9,700.0	9,678.7	8,973.3	8,785.6	34.8	31.2	149.29	14.9	270.9	962.9	931.4	31.44	30.622	
9,800.0	9,778.7	9,000.0	8,794.4	35.1	31.3	150.68	-10.1	274.9	1,056.4	1,025.1	31.25	33.804	
9,900.0	9,878.7	9,000.0	8,794.4	35.5	31.3	150.68	-10.1	274.9	1,150.1	1,119.9	30.26	38.009	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	9,978.7	9,000.0	8,794.4	35.8	31.3	150.68	-10.1	274.9	1,244.8	1,215.3	29.50	42.198	
10,100.0	10,078.7	9,000.0	8,794.4	36.2	31.3	150.68	-10.1	274.9	1,340.3	1,311.4	28.92	46.341	
10,173.3	10,152.0	9,021.4	8,800.5	36.5	31.3	151.69	-30.3	278.1	1,410.2	1,381.0	29.12	48.420	
10,200.0	10,178.7	9,023.7	8,801.1	36.5	31.3	-11.17	-32.5	278.5	1,435.6	1,406.5	29.05	49.425	
10,250.0	10,228.5	9,028.6	8,802.4	36.7	31.3	-8.80	-37.2	279.2	1,482.2	1,453.3	28.86	51.353	
10,300.0	10,277.7	9,050.0	8,807.6	36.8	31.4	-6.95	-57.7	282.5	1,527.6	1,498.6	28.99	52.693	
10,350.0	10,325.9	9,050.0	8,807.6	37.0	31.4	-5.99	-57.7	282.5	1,570.8	1,542.2	28.58	54.961	
10,400.0	10,372.8	9,050.0	8,807.6	37.1	31.4	-5.27	-57.7	282.5	1,612.1	1,583.9	28.15	57.270	
10,450.0	10,418.1	9,050.0	8,807.6	37.2	31.4	-4.72	-57.7	282.5	1,651.3	1,623.6	27.71	59.594	
10,500.0	10,461.3	9,050.0	8,807.6	37.3	31.4	-4.28	-57.7	282.5	1,688.4	1,661.1	27.28	61.902	
10,550.0	10,502.1	9,073.8	8,812.4	37.4	31.5	-3.78	-80.7	286.2	1,722.5	1,695.3	27.23	63.259	
10,600.0	10,540.3	9,100.0	8,816.6	37.5	31.5	-3.36	-106.2	290.3	1,754.6	1,727.4	27.19	64.527	
10,650.0	10,575.6	9,100.0	8,816.6	37.6	31.5	-3.16	-106.2	290.3	1,783.3	1,756.5	26.76	66.637	
10,700.0	10,607.6	9,100.0	8,816.6	37.7	31.5	-3.00	-106.2	290.3	1,809.3	1,782.9	26.38	68.580	
10,750.0	10,636.1	9,100.0	8,816.6	37.8	31.5	-2.86	-106.2	290.3	1,832.6	1,806.5	26.07	70.297	
10,800.0	10,661.0	9,124.7	8,819.4	37.9	31.6	-2.65	-130.5	294.1	1,852.4	1,826.3	26.04	71.128	
10,850.0	10,682.0	9,150.0	8,821.2	38.0	31.7	-2.47	-155.4	298.1	1,869.4	1,843.4	26.03	71.808	
10,900.0	10,698.9	9,150.0	8,821.2	38.1	31.7	-2.41	-155.4	298.1	1,882.8	1,857.0	25.88	72.752	
10,950.0	10,711.7	9,150.0	8,821.2	38.2	31.7	-2.37	-155.4	298.1	1,893.3	1,867.4	25.83	73.296	
11,000.0	10,720.3	9,178.6	8,822.0	38.3	31.8	-2.24	-183.6	302.6	1,900.3	1,874.4	25.96	73.204	
11,050.0	10,724.5	9,189.9	8,822.0	38.5	31.8	-2.19	-194.7	304.4	1,903.9	1,877.8	26.08	72.990	
11,073.3	10,725.0	9,213.6	8,822.0	38.5	31.9	-2.10	-218.2	307.9	1,904.3	1,878.1	26.19	72.711	
11,100.0	10,725.0	9,240.8	8,822.0	38.6	32.0	-2.00	-245.1	311.8	1,904.2	1,877.9	26.32	72.359	
11,200.0	10,725.0	9,342.2	8,822.0	39.0	32.4	-1.64	-345.8	323.8	1,903.8	1,877.0	26.83	70.955	
11,300.0	10,725.0	9,443.2	8,822.0	39.4	32.9	-1.28	-446.4	332.3	1,903.5	1,876.1	27.43	69.391	
11,400.0	10,725.0	9,543.7	8,822.0	39.8	33.4	-0.92	-546.9	337.1	1,903.2	1,875.1	28.11	67.707	
11,500.0	10,725.0	9,643.7	8,822.0	40.4	34.0	-0.56	-646.8	338.6	1,903.1	1,874.2	28.86	65.941	
11,600.0	10,725.0	9,743.2	8,822.0	40.9	34.6	-0.28	-746.3	339.3	1,903.0	1,873.3	29.69	64.100	
11,700.0	10,725.0	9,843.0	8,822.0	41.6	35.3	-0.10	-846.1	339.9	1,903.0	1,872.4	30.58	62.221	
11,800.0	10,725.0	9,943.0	8,822.0	42.2	36.1	-0.03	-946.1	340.5	1,903.0	1,871.5	31.54	60.331	
11,819.5	10,725.0	9,962.4	8,822.0	42.3	36.2	-0.02	-965.5	340.6	1,903.0	1,871.3	31.74	59.965	
11,820.3	10,725.0	9,963.3	8,822.0	42.3	36.2	-0.02	-966.3	340.6	1,903.0	1,871.3	31.74	59.950	
11,900.0	10,725.0	10,043.0	8,822.0	42.9	36.9	-0.02	-1,046.1	341.1	1,903.0	1,870.4	32.55	58.458	
12,000.0	10,725.0	10,143.0	8,822.0	43.7	37.8	-0.02	-1,146.1	341.8	1,903.0	1,869.4	33.61	56.627	
12,100.0	10,725.0	10,243.0	8,822.0	44.4	38.7	-0.02	-1,246.1	342.4	1,903.0	1,868.3	34.70	54.846	
12,200.0	10,725.0	10,343.0	8,822.0	45.3	39.6	-0.02	-1,346.1	343.0	1,903.0	1,867.2	35.82	53.122	
12,300.0	10,725.0	10,443.0	8,822.0	46.2	40.7	-0.02	-1,446.1	343.6	1,903.0	1,866.0	36.98	51.459	
12,400.0	10,725.0	10,543.0	8,822.0	47.1	41.7	-0.02	-1,546.1	344.2	1,903.0	1,864.8	38.17	49.860	
12,500.0	10,725.0	10,643.0	8,822.0	48.1	42.8	-0.02	-1,646.1	344.9	1,903.0	1,863.6	39.38	48.325	
12,600.0	10,725.0	10,743.0	8,822.0	49.1	43.9	-0.02	-1,746.1	345.5	1,903.0	1,862.4	40.62	46.854	
12,700.0	10,725.0	10,843.0	8,822.0	50.1	45.1	-0.02	-1,846.1	346.1	1,903.0	1,861.1	41.87	45.446	
12,800.0	10,725.0	10,943.0	8,822.0	51.2	46.3	-0.02	-1,946.1	346.7	1,903.0	1,859.8	43.15	44.100	
12,900.0	10,725.0	11,043.0	8,822.0	52.3	47.5	-0.02	-2,046.1	347.4	1,903.0	1,858.6	44.45	42.814	
13,000.0	10,725.0	11,143.0	8,822.0	53.4	48.7	-0.02	-2,146.1	348.0	1,903.0	1,857.2	45.76	41.585	
13,100.0	10,725.0	11,243.0	8,822.0	54.6	50.0	-0.02	-2,246.1	348.6	1,903.0	1,855.9	47.09	40.412	
13,200.0	10,725.0	11,343.0	8,822.0	55.7	51.3	-0.02	-2,346.1	349.2	1,903.0	1,854.6	48.43	39.292	
13,300.0	10,725.0	11,443.0	8,822.0	56.9	52.6	-0.02	-2,446.1	349.8	1,903.0	1,853.2	49.79	38.222	
13,400.0	10,725.0	11,543.0	8,822.0	58.2	53.9	-0.02	-2,546.1	350.5	1,903.0	1,851.8	51.16	37.200	
13,500.0	10,725.0	11,643.0	8,822.0	59.4	55.2	-0.02	-2,646.1	351.1	1,903.0	1,850.5	52.53	36.224	
13,600.0	10,725.0	11,743.0	8,822.0	60.7	56.6	-0.02	-2,746.1	351.7	1,903.0	1,849.1	53.92	35.291	
13,700.0	10,725.0	11,843.0	8,822.0	62.0	58.0	-0.02	-2,846.1	352.3	1,903.0	1,847.7	55.32	34.399	
13,800.0	10,725.0	11,943.0	8,822.0	63.3	59.4	-0.02	-2,946.1	352.9	1,903.0	1,846.3	56.73	33.545	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,900.0	10,725.0	12,043.0	8,822.0	64.6	60.8	-0.02	-3,046.1	353.6	1,903.0	1,844.9	58.14	32.729	
14,000.0	10,725.0	12,143.0	8,822.0	65.9	62.2	-0.02	-3,146.1	354.2	1,903.0	1,843.4	59.57	31.947	
14,100.0	10,725.0	12,243.0	8,822.0	67.3	63.6	-0.02	-3,246.1	354.8	1,903.0	1,842.0	61.00	31.198	
14,200.0	10,725.0	12,343.0	8,822.0	68.6	65.0	-0.02	-3,346.0	355.4	1,903.0	1,840.6	62.43	30.480	
14,300.0	10,725.0	12,443.0	8,822.0	70.0	66.5	-0.02	-3,446.0	356.1	1,903.0	1,839.1	63.88	29.791	
14,400.0	10,725.0	12,543.0	8,822.0	71.4	67.9	-0.02	-3,546.0	356.7	1,903.0	1,837.7	65.33	29.131	
14,500.0	10,725.0	12,643.0	8,822.0	72.8	69.4	-0.02	-3,646.0	357.3	1,903.0	1,836.2	66.78	28.496	
14,600.0	10,725.0	12,743.0	8,822.0	74.2	70.8	-0.02	-3,746.0	357.9	1,903.0	1,834.8	68.24	27.887	
14,700.0	10,725.0	12,843.0	8,822.0	75.6	72.3	-0.02	-3,846.0	358.5	1,903.0	1,833.3	69.70	27.301	
14,800.0	10,725.0	12,943.0	8,822.0	77.0	73.8	-0.02	-3,946.0	359.2	1,903.0	1,831.8	71.17	26.738	
14,900.0	10,725.0	13,043.0	8,822.0	78.5	75.3	-0.02	-4,046.0	359.8	1,903.0	1,830.4	72.64	26.196	
15,000.0	10,725.0	13,143.0	8,822.0	79.9	76.8	-0.02	-4,146.0	360.4	1,903.0	1,828.9	74.12	25.674	
15,100.0	10,725.0	13,243.0	8,822.0	81.3	78.3	-0.02	-4,246.0	361.0	1,903.0	1,827.4	75.60	25.172	
15,200.0	10,725.0	13,343.0	8,822.0	82.8	79.8	-0.02	-4,346.0	361.7	1,903.0	1,825.9	77.08	24.687	
15,300.0	10,725.0	13,443.0	8,822.0	84.3	81.3	-0.02	-4,446.0	362.3	1,903.0	1,824.4	78.57	24.220	
15,400.0	10,725.0	13,543.0	8,822.0	85.7	82.8	-0.01	-4,546.0	362.9	1,903.0	1,822.9	80.06	23.769	
15,500.0	10,725.0	13,643.0	8,822.0	87.2	84.4	-0.01	-4,646.0	363.5	1,903.0	1,821.4	81.56	23.334	
15,600.0	10,725.0	13,743.0	8,822.0	88.7	85.9	-0.01	-4,746.0	364.1	1,903.0	1,819.9	83.05	22.914	
15,700.0	10,725.0	13,843.0	8,822.0	90.2	87.4	-0.01	-4,846.0	364.8	1,903.0	1,818.5	84.55	22.507	
15,800.0	10,725.0	13,943.0	8,822.0	91.7	89.0	-0.01	-4,946.0	365.4	1,903.0	1,816.9	86.05	22.115	
15,900.0	10,725.0	14,043.0	8,822.0	93.2	90.5	-0.01	-5,046.0	366.0	1,903.0	1,815.4	87.55	21.735	
16,000.0	10,725.0	14,143.0	8,822.0	94.7	92.1	-0.01	-5,146.0	366.6	1,903.0	1,813.9	89.06	21.368	
16,100.0	10,725.0	14,243.0	8,822.0	96.2	93.6	-0.01	-5,246.0	367.3	1,903.0	1,812.4	90.57	21.012	
16,200.0	10,725.0	14,343.0	8,822.0	97.7	95.2	-0.01	-5,346.0	367.9	1,903.0	1,810.9	92.08	20.667	
16,300.0	10,725.0	14,443.0	8,822.0	99.2	96.7	-0.01	-5,446.0	368.5	1,903.0	1,809.4	93.59	20.333	
16,400.0	10,725.0	14,543.0	8,822.0	100.8	98.3	-0.01	-5,546.0	369.1	1,903.0	1,807.9	95.10	20.010	
16,500.0	10,725.0	14,643.0	8,822.0	102.3	99.8	-0.01	-5,646.0	369.7	1,903.0	1,806.4	96.62	19.696	
16,600.0	10,725.0	14,743.0	8,822.0	103.8	101.4	-0.01	-5,746.0	370.4	1,903.0	1,804.9	98.14	19.391	
16,700.0	10,725.0	14,843.0	8,822.0	105.4	103.0	-0.01	-5,846.0	371.0	1,903.0	1,803.3	99.65	19.096	
16,800.0	10,725.0	14,943.0	8,822.0	106.9	104.5	-0.01	-5,946.0	371.6	1,903.0	1,801.8	101.17	18.809	
16,900.0	10,725.0	15,043.0	8,822.0	108.4	106.1	-0.01	-6,046.0	372.2	1,903.0	1,800.3	102.70	18.530	
17,000.0	10,725.0	15,143.0	8,822.0	110.0	107.7	-0.01	-6,146.0	372.9	1,903.0	1,798.8	104.22	18.259	
17,100.0	10,725.0	15,243.0	8,822.0	111.5	109.3	-0.01	-6,246.0	373.5	1,903.0	1,797.3	105.74	17.996	
17,200.0	10,725.0	15,343.0	8,822.0	113.1	110.8	-0.01	-6,346.0	374.1	1,903.0	1,795.7	107.27	17.740	
17,300.0	10,725.0	15,443.0	8,822.0	114.6	112.4	-0.01	-6,446.0	374.7	1,903.0	1,794.2	108.80	17.491	
17,400.0	10,725.0	15,543.0	8,822.0	116.2	114.0	-0.01	-6,546.0	375.3	1,903.0	1,792.7	110.33	17.249	
17,500.0	10,725.0	15,643.0	8,822.0	117.8	115.6	-0.01	-6,646.0	376.0	1,903.0	1,791.1	111.86	17.013	
17,600.0	10,725.0	15,743.0	8,822.0	119.3	117.2	-0.01	-6,746.0	376.6	1,903.0	1,789.6	113.39	16.783	
17,700.0	10,725.0	15,843.0	8,822.0	120.9	118.8	-0.01	-6,846.0	377.2	1,903.0	1,788.1	114.92	16.560	
17,800.0	10,725.0	15,943.0	8,822.0	122.5	120.3	-0.01	-6,946.0	377.8	1,903.0	1,786.6	116.45	16.342	
17,900.0	10,725.0	16,043.0	8,822.0	124.0	121.9	-0.01	-7,046.0	378.4	1,903.0	1,785.0	117.98	16.129	
18,000.0	10,725.0	16,143.0	8,822.0	125.6	123.5	-0.01	-7,146.0	379.1	1,903.0	1,783.5	119.52	15.922	
18,100.0	10,725.0	16,243.0	8,822.0	127.2	125.1	-0.01	-7,246.0	379.7	1,903.0	1,781.9	121.05	15.720	
18,200.0	10,725.0	16,343.0	8,822.0	128.8	126.7	-0.01	-7,346.0	380.3	1,903.0	1,780.4	122.59	15.523	
18,300.0	10,725.0	16,443.0	8,822.0	130.3	128.3	-0.01	-7,446.0	380.9	1,903.0	1,778.9	124.13	15.331	
18,400.0	10,725.0	16,543.0	8,822.0	131.9	129.9	-0.01	-7,546.0	381.6	1,903.0	1,777.3	125.66	15.144	
18,500.0	10,725.0	16,643.0	8,822.0	133.5	131.5	-0.01	-7,646.0	382.2	1,903.0	1,775.8	127.20	14.960	
18,600.0	10,725.0	16,743.0	8,822.0	135.1	133.1	-0.01	-7,746.0	382.8	1,903.0	1,774.3	128.74	14.781	
18,700.0	10,725.0	16,843.0	8,822.0	136.7	134.7	-0.01	-7,846.0	383.4	1,903.0	1,772.7	130.28	14.607	
18,800.0	10,725.0	16,943.0	8,822.0	138.2	136.3	-0.01	-7,946.0	384.0	1,903.0	1,771.2	131.82	14.436	
18,900.0	10,725.0	17,043.0	8,822.0	139.8	137.9	-0.01	-8,046.0	384.7	1,903.0	1,769.6	133.36	14.269	
19,000.0	10,725.0	17,143.0	8,822.0	141.4	139.5	-0.01	-8,146.0	385.3	1,903.0	1,768.1	134.91	14.106	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
19,100.0	10,725.0	17,243.0	8,822.0	143.0	141.1	-0.01	-8,246.0	385.9	1,903.0	1,766.6	136.45	13.947	
19,200.0	10,725.0	17,343.0	8,822.0	144.6	142.7	-0.01	-8,346.0	386.5	1,903.0	1,765.0	137.99	13.791	
19,300.0	10,725.0	17,443.0	8,822.0	146.2	144.3	-0.01	-8,446.0	387.2	1,903.0	1,763.5	139.54	13.638	
19,400.0	10,725.0	17,543.0	8,822.0	147.8	146.0	0.00	-8,545.9	387.8	1,903.0	1,761.9	141.08	13.489	
19,500.0	10,725.0	17,643.0	8,822.0	149.4	147.6	0.00	-8,645.9	388.4	1,903.0	1,760.4	142.63	13.343	
19,600.0	10,725.0	17,743.0	8,822.0	151.0	149.2	0.00	-8,745.9	389.0	1,903.0	1,758.8	144.17	13.200	
19,700.0	10,725.0	17,843.0	8,822.0	152.6	150.8	0.00	-8,845.9	389.6	1,903.0	1,757.3	145.72	13.059	
19,800.0	10,725.0	17,943.0	8,822.0	154.2	152.4	0.00	-8,945.9	390.3	1,903.0	1,755.7	147.26	12.922	
19,900.0	10,725.0	18,043.0	8,822.0	155.8	154.0	0.00	-9,045.9	390.9	1,903.0	1,754.2	148.81	12.788	
20,000.0	10,725.0	18,143.0	8,822.0	157.4	155.6	0.00	-9,145.9	391.5	1,903.0	1,752.6	150.36	12.656	
20,100.0	10,725.0	18,243.0	8,822.0	159.0	157.2	0.00	-9,245.9	392.1	1,903.0	1,751.1	151.91	12.527	
20,200.0	10,725.0	18,343.0	8,822.0	160.6	158.8	0.00	-9,345.9	392.8	1,903.0	1,749.5	153.46	12.401	
20,300.0	10,725.0	18,443.0	8,822.0	162.2	160.5	0.00	-9,445.9	393.4	1,903.0	1,748.0	155.00	12.277	
20,400.0	10,725.0	18,543.0	8,822.0	163.8	162.1	0.00	-9,545.9	394.0	1,903.0	1,746.4	156.55	12.156	
20,500.0	10,725.0	18,643.0	8,822.0	165.4	163.7	0.00	-9,645.9	394.6	1,903.0	1,744.9	158.10	12.036	
20,600.0	10,725.0	18,743.0	8,822.0	167.0	165.3	0.00	-9,745.9	395.2	1,903.0	1,743.3	159.65	11.920	
20,700.0	10,725.0	18,843.0	8,822.0	168.6	166.9	0.00	-9,845.9	395.9	1,903.0	1,741.8	161.20	11.805	
20,800.0	10,725.0	18,943.0	8,822.0	170.2	168.5	0.00	-9,945.9	396.5	1,903.0	1,740.2	162.75	11.692	
20,846.3	10,725.0	18,989.3	8,822.0	171.0	169.3	0.00	-9,992.3	396.8	1,903.0	1,739.5	163.47	11.641	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	0.0	0.0	0.0	0.0	-45.42	29.8	-30.2	42.4				
100.0	100.0	100.0	100.0	0.1	0.1	-45.42	29.8	-30.2	42.4	42.2	0.26	165.520	
200.0	200.0	200.0	200.0	0.5	0.5	-45.42	29.8	-30.2	42.4	41.5	0.97	43.590	
300.0	300.0	300.0	300.0	0.8	0.8	-45.42	29.8	-30.2	42.4	40.7	1.69	25.100	
400.0	400.0	400.0	400.0	1.2	1.2	-45.42	29.8	-30.2	42.4	40.0	2.41	17.624	
500.0	500.0	500.0	500.0	1.6	1.6	-45.42	29.8	-30.2	42.4	39.3	3.12	13.580	CC
600.0	600.0	599.4	599.4	1.9	1.9	-44.76	30.6	-30.4	43.1	39.3	3.84	11.234	ES
700.0	700.0	698.7	698.7	2.3	2.3	-42.90	33.2	-30.8	45.3	40.7	4.56	9.944	
800.0	800.0	797.9	797.8	2.6	2.6	-40.18	37.4	-31.6	49.0	43.7	5.27	9.297	
900.0	900.0	897.0	896.6	3.0	3.0	-37.01	43.3	-32.6	54.3	48.4	5.99	9.079	
1,000.0	1,000.0	995.8	995.1	3.4	3.3	-33.76	50.9	-34.0	61.4	54.7	6.70	9.166	
1,100.0	1,100.0	1,094.3	1,093.2	3.7	3.7	-30.69	60.1	-35.7	70.2	62.8	7.41	9.478	
1,200.0	1,200.0	1,192.4	1,190.7	4.1	4.1	-27.94	70.9	-37.6	80.8	72.7	8.11	9.961	
1,300.0	1,300.0	1,309.9	1,287.6	4.4	4.5	-40.88	83.3	-39.8	92.5	83.6	8.88	10.415	
1,400.0	1,400.0	1,389.4	1,385.9	4.8	4.8	-39.68	96.9	-42.3	104.0	94.5	9.52	10.918	
1,500.0	1,499.9	1,488.9	1,484.5	5.1	5.2	-39.26	110.5	-44.7	114.1	103.9	10.24	11.144	
1,600.0	1,599.7	1,588.5	1,583.1	5.5	5.6	-39.43	124.2	-47.2	122.9	112.0	10.96	11.214	
1,700.0	1,699.4	1,688.2	1,681.8	5.9	6.0	-40.06	137.8	-49.6	130.4	118.7	11.69	11.158	
1,800.0	1,798.9	1,788.0	1,780.6	6.2	6.4	-41.11	151.5	-52.1	136.6	124.1	12.42	10.999	
1,900.0	1,898.3	1,887.8	1,879.5	6.6	6.8	-42.54	165.2	-54.5	141.5	128.3	13.15	10.758	
2,000.0	1,997.4	1,987.6	1,978.3	7.0	7.2	-44.35	178.9	-57.0	145.3	131.4	13.90	10.453	
2,100.0	2,096.4	2,087.4	2,077.2	7.3	7.7	-46.34	192.5	-59.5	148.6	133.9	14.65	10.142	
2,200.0	2,195.5	2,187.3	2,176.0	7.7	8.1	-48.24	206.2	-61.9	152.0	136.6	15.41	9.868	
2,300.0	2,294.5	2,287.1	2,274.9	8.1	8.5	-50.06	219.9	-64.4	155.7	139.5	16.17	9.627	
2,400.0	2,393.5	2,386.9	2,373.7	8.5	8.9	-51.79	233.5	-66.8	159.4	142.5	16.94	9.413	
2,500.0	2,492.5	2,486.7	2,472.6	8.9	9.3	-53.44	247.2	-69.3	163.4	145.7	17.71	9.223	
2,600.0	2,591.6	2,586.5	2,571.4	9.3	9.7	-55.01	260.9	-71.7	167.4	148.9	18.49	9.053	
2,700.0	2,690.6	2,686.3	2,670.2	9.7	10.1	-56.50	274.6	-74.2	171.6	152.3	19.28	8.901	
2,800.0	2,789.6	2,786.1	2,769.1	10.1	10.5	-57.93	288.2	-76.7	175.9	155.8	20.07	8.765	
2,900.0	2,888.6	2,886.0	2,867.9	10.5	10.9	-59.28	301.9	-79.1	180.3	159.4	20.86	8.642	
3,000.0	2,987.7	2,985.8	2,966.8	10.9	11.3	-60.57	315.6	-81.6	184.7	163.1	21.65	8.531	
3,100.0	3,086.7	3,085.6	3,065.6	11.3	11.8	-61.80	329.2	-84.0	189.3	166.8	22.45	8.431	
3,200.0	3,185.7	3,185.8	3,164.9	11.7	12.2	-62.98	343.0	-86.5	193.9	170.7	23.26	8.339	
3,300.0	3,284.8	3,289.8	3,268.0	12.1	12.6	-64.44	355.6	-88.8	197.4	173.3	24.10	8.193	
3,400.0	3,383.8	3,393.7	3,371.4	12.5	13.0	-66.39	365.4	-90.5	199.0	174.0	24.93	7.981	
3,500.0	3,482.8	3,497.3	3,474.8	12.9	13.4	-68.85	372.4	-91.8	198.8	173.0	25.76	7.717	
3,600.0	3,581.8	3,600.6	3,578.0	13.3	13.7	-71.89	376.7	-92.6	197.0	170.4	26.57	7.414	
3,700.0	3,680.9	3,703.2	3,680.7	13.7	14.1	-75.58	378.2	-92.8	194.1	166.7	27.39	7.087	
3,744.5	3,724.9	3,747.5	3,724.9	13.9	14.2	-77.35	378.2	-92.8	192.6	164.9	27.75	6.941	
3,800.0	3,779.9	3,802.5	3,779.9	14.1	14.4	-79.45	378.2	-92.8	191.1	162.9	28.20	6.778	
3,900.0	3,879.3	3,901.9	3,879.3	14.5	14.7	-82.73	378.2	-92.8	189.4	160.4	28.98	6.535	
4,000.0	3,978.9	4,001.5	3,978.9	14.9	15.1	-85.29	378.2	-92.8	188.5	158.8	29.74	6.339	
4,100.0	4,078.8	4,101.3	4,078.8	15.3	15.4	-87.09	378.2	-92.8	188.1	157.6	30.46	6.175	
4,200.0	4,178.7	4,201.3	4,178.7	15.6	15.7	-88.11	378.2	-92.8	188.0	156.8	31.17	6.031	
4,277.8	4,256.5	4,279.1	4,256.5	15.9	16.0	-73.30	378.2	-92.8	187.9	156.2	31.70	5.929	
4,300.0	4,278.7	4,301.3	4,278.7	16.0	16.1	-73.30	378.2	-92.8	187.9	156.1	31.85	5.902	
4,400.0	4,378.7	4,401.3	4,378.7	16.3	16.4	-73.30	378.2	-92.8	187.9	155.4	32.52	5.779	
4,500.0	4,478.7	4,501.3	4,478.7	16.6	16.7	-73.30	378.2	-92.8	187.9	154.7	33.20	5.661	
4,600.0	4,578.7	4,601.3	4,578.7	17.0	17.1	-73.30	378.2	-92.8	187.9	154.1	33.88	5.548	
4,700.0	4,678.7	4,701.3	4,678.7	17.3	17.4	-73.30	378.2	-92.8	187.9	153.4	34.56	5.438	
4,800.0	4,778.7	4,801.3	4,778.7	17.7	17.7	-73.30	378.2	-92.8	187.9	152.7	35.24	5.333	
4,900.0	4,878.7	4,901.3	4,878.7	18.0	18.1	-73.30	378.2	-92.8	187.9	152.0	35.92	5.232	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	4,978.7	5,001.3	4,978.7	18.3	18.4	-73.30	378.2	-92.8	187.9	151.3	36.61	5.134	
5,100.0	5,078.7	5,101.3	5,078.7	18.7	18.8	-73.30	378.2	-92.8	187.9	150.6	37.29	5.039	
5,200.0	5,178.7	5,201.3	5,178.7	19.0	19.1	-73.30	378.2	-92.8	187.9	150.0	37.98	4.948	
5,300.0	5,278.7	5,301.3	5,278.7	19.4	19.5	-73.30	378.2	-92.8	187.9	149.3	38.67	4.860	
5,400.0	5,378.7	5,401.3	5,378.7	19.7	19.8	-73.30	378.2	-92.8	187.9	148.6	39.36	4.775	
5,500.0	5,478.7	5,501.3	5,478.7	20.1	20.1	-73.30	378.2	-92.8	187.9	147.9	40.05	4.693	
5,600.0	5,578.7	5,601.3	5,578.7	20.4	20.5	-73.30	378.2	-92.8	187.9	147.2	40.74	4.613	
5,700.0	5,678.7	5,701.3	5,678.7	20.7	20.8	-73.30	378.2	-92.8	187.9	146.5	41.43	4.536	
5,800.0	5,778.7	5,801.3	5,778.7	21.1	21.2	-73.30	378.2	-92.8	187.9	145.8	42.13	4.462	
5,900.0	5,878.7	5,901.3	5,878.7	21.4	21.5	-73.30	378.2	-92.8	187.9	145.1	42.82	4.389	
6,000.0	5,978.7	6,001.3	5,978.7	21.8	21.9	-73.30	378.2	-92.8	187.9	144.4	43.51	4.319	
6,100.0	6,078.7	6,101.3	6,078.7	22.1	22.2	-73.30	378.2	-92.8	187.9	143.7	44.21	4.251	
6,200.0	6,178.7	6,201.3	6,178.7	22.5	22.6	-73.30	378.2	-92.8	187.9	143.0	44.90	4.185	
6,300.0	6,278.7	6,301.3	6,278.7	22.8	22.9	-73.30	378.2	-92.8	187.9	142.3	45.60	4.122	
6,400.0	6,378.7	6,401.3	6,378.7	23.2	23.2	-73.30	378.2	-92.8	187.9	141.6	46.30	4.059	
6,500.0	6,478.7	6,501.3	6,478.7	23.5	23.6	-73.30	378.2	-92.8	187.9	140.9	46.99	3.999	
6,600.0	6,578.7	6,601.3	6,578.7	23.9	23.9	-73.30	378.2	-92.8	187.9	140.2	47.69	3.941	
6,700.0	6,678.7	6,701.3	6,678.7	24.2	24.3	-73.30	378.2	-92.8	187.9	139.6	48.39	3.884	
6,800.0	6,778.7	6,801.3	6,778.7	24.6	24.6	-73.30	378.2	-92.8	187.9	138.9	49.09	3.828	
6,900.0	6,878.7	6,901.3	6,878.7	24.9	25.0	-73.30	378.2	-92.8	187.9	138.2	49.79	3.775	
7,000.0	6,978.7	7,001.3	6,978.7	25.3	25.3	-73.30	378.2	-92.8	187.9	137.5	50.49	3.722	
7,100.0	7,078.7	7,101.3	7,078.7	25.6	25.7	-73.30	378.2	-92.8	187.9	136.8	51.19	3.671	
7,200.0	7,178.7	7,201.3	7,178.7	26.0	26.0	-73.30	378.2	-92.8	187.9	136.0	51.89	3.622	
7,300.0	7,278.7	7,301.3	7,278.7	26.3	26.4	-73.30	378.2	-92.8	187.9	135.3	52.59	3.573	
7,400.0	7,378.7	7,401.3	7,378.7	26.7	26.7	-73.30	378.2	-92.8	187.9	134.6	53.30	3.526	
7,500.0	7,478.7	7,501.3	7,478.7	27.0	27.1	-73.30	378.2	-92.8	187.9	133.9	54.00	3.481	
7,600.0	7,578.7	7,601.3	7,578.7	27.4	27.4	-73.30	378.2	-92.8	187.9	133.2	54.70	3.436	
7,700.0	7,678.7	7,701.3	7,678.7	27.7	27.8	-73.30	378.2	-92.8	187.9	132.5	55.40	3.392	
7,800.0	7,778.7	7,801.3	7,778.7	28.1	28.1	-73.30	378.2	-92.8	187.9	131.8	56.11	3.350	
7,900.0	7,878.7	7,901.3	7,878.7	28.4	28.5	-73.30	378.2	-92.8	187.9	131.1	56.81	3.308	
8,000.0	7,978.7	8,001.3	7,978.7	28.8	28.8	-73.30	378.2	-92.8	187.9	130.4	57.52	3.268	
8,100.0	8,078.7	8,101.3	8,078.7	29.1	29.2	-73.30	378.2	-92.8	187.9	129.7	58.22	3.228	
8,200.0	8,178.7	8,201.3	8,178.7	29.5	29.5	-73.30	378.2	-92.8	187.9	129.0	58.92	3.190	
8,300.0	8,278.7	8,301.3	8,278.7	29.8	29.9	-73.30	378.2	-92.8	187.9	128.3	59.63	3.152	
8,400.0	8,378.7	8,401.3	8,378.7	30.2	30.2	-73.30	378.2	-92.8	187.9	127.6	60.34	3.115	
8,500.0	8,478.7	8,501.3	8,478.7	30.5	30.6	-73.30	378.2	-92.8	187.9	126.9	61.04	3.079	
8,600.0	8,578.7	8,601.3	8,578.7	30.9	31.0	-73.30	378.2	-92.8	187.9	126.2	61.75	3.044	
8,700.0	8,678.7	8,701.3	8,678.7	31.2	31.3	-73.30	378.2	-92.8	187.9	125.5	62.45	3.009	
8,800.0	8,778.7	8,801.4	8,778.8	31.6	31.7	-73.31	378.2	-92.8	187.9	124.8	63.16	2.976	
8,900.0	8,878.7	8,902.1	8,878.9	32.0	32.0	-76.36	368.4	-95.1	187.6	123.8	63.82	2.940	
8,905.0	8,883.7	8,907.0	8,883.7	32.0	32.0	-76.65	367.5	-95.4	187.6	123.8	63.86	2.938	SF
9,000.0	8,978.7	8,996.5	8,969.8	32.3	32.2	-84.01	343.9	-101.0	189.4	125.0	64.38	2.942	
9,100.0	9,078.7	9,080.8	9,046.5	32.7	32.4	-94.12	310.1	-109.0	199.3	135.1	64.18	3.106	
9,200.0	9,178.7	9,153.5	9,107.9	33.0	32.5	-104.18	272.4	-117.9	223.1	160.9	62.26	3.584	
9,300.0	9,278.7	9,215.0	9,155.7	33.4	32.6	-112.68	234.8	-126.9	262.6	203.9	58.70	4.473	
9,400.0	9,378.7	9,266.5	9,192.3	33.7	32.7	-119.26	199.6	-135.2	315.8	261.3	54.51	5.794	
9,500.0	9,478.7	9,309.7	9,220.5	34.1	32.7	-124.23	167.7	-142.8	379.6	329.1	50.47	7.520	
9,600.0	9,578.7	9,350.0	9,244.4	34.4	32.8	-128.38	136.2	-150.3	451.1	403.8	47.27	9.544	
9,700.0	9,678.7	9,376.7	9,259.0	34.8	32.9	-130.85	114.4	-155.4	528.2	484.2	43.98	12.009	
9,800.0	9,778.7	9,400.0	9,270.9	35.1	32.9	-132.84	94.9	-160.1	609.6	568.2	41.35	14.740	
9,900.0	9,878.7	9,425.4	9,282.9	35.5	32.9	-134.85	73.1	-165.2	694.1	654.6	39.53	17.560	
10,000.0	9,978.7	9,450.0	9,293.5	35.8	33.0	-136.63	51.5	-170.3	781.1	742.9	38.14	20.480	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	10,078.7	9,450.0	9,293.5	36.2	33.0	-136.63	51.5	-170.3	870.1	834.1	36.00	24.168	
10,173.3	10,152.0	9,473.0	9,302.6	36.5	33.0	-138.17	31.0	-175.2	936.1	900.4	35.71	26.215	
10,200.0	10,178.7	9,477.0	9,304.1	36.5	33.0	52.31	27.4	-176.1	960.2	924.8	35.43	27.103	
10,250.0	10,228.5	9,485.1	9,307.1	36.7	33.0	44.71	20.0	-177.8	1,004.7	969.8	34.92	28.773	
10,300.0	10,277.7	9,500.0	9,312.2	36.8	33.1	38.67	6.4	-181.1	1,048.1	1,013.5	34.64	30.255	
10,350.0	10,325.9	9,500.0	9,312.2	37.0	33.1	34.07	6.4	-181.1	1,090.2	1,056.3	33.84	32.213	
10,400.0	10,372.8	9,500.0	9,312.2	37.1	33.1	30.34	6.4	-181.1	1,130.9	1,097.8	33.10	34.168	
10,450.0	10,418.1	9,524.2	9,319.8	37.2	33.1	27.52	-15.9	-186.4	1,169.4	1,136.3	33.12	35.308	
10,500.0	10,461.3	9,550.0	9,326.8	37.3	33.2	25.40	-40.1	-192.1	1,206.5	1,173.3	33.17	36.377	
10,550.0	10,502.1	9,550.0	9,326.8	37.4	33.2	23.43	-40.1	-192.1	1,241.0	1,208.4	32.54	38.142	
10,600.0	10,540.3	9,550.0	9,326.8	37.5	33.2	21.77	-40.1	-192.1	1,273.6	1,241.6	32.01	39.782	
10,650.0	10,575.6	9,570.2	9,331.5	37.6	33.2	20.70	-59.2	-196.6	1,303.8	1,271.8	32.02	40.713	
10,700.0	10,607.6	9,582.4	9,334.0	37.7	33.3	19.73	-70.8	-199.4	1,331.6	1,299.7	31.93	41.710	
10,750.0	10,636.1	9,600.0	9,337.2	37.8	33.3	19.05	-87.7	-203.4	1,357.0	1,325.0	32.00	42.404	
10,800.0	10,661.0	9,600.0	9,337.2	37.9	33.3	18.23	-87.7	-203.4	1,379.8	1,347.9	31.90	43.255	
10,850.0	10,682.0	9,620.0	9,340.1	38.0	33.3	17.88	-106.9	-207.9	1,399.9	1,367.7	32.19	43.488	
10,900.0	10,698.9	9,632.7	9,341.6	38.1	33.4	17.54	-119.2	-210.9	1,417.3	1,384.8	32.48	43.630	
10,950.0	10,711.7	9,650.0	9,343.2	38.2	33.4	17.38	-135.9	-214.8	1,432.0	1,399.1	32.92	43.495	
11,000.0	10,720.3	9,650.0	9,343.2	38.3	33.4	17.02	-135.9	-214.8	1,444.0	1,410.6	33.35	43.296	
11,050.0	10,724.5	9,671.2	9,344.5	38.5	33.5	17.13	-156.6	-219.7	1,453.0	1,418.9	34.02	42.710	
11,073.3	10,725.0	9,677.2	9,344.7	38.5	33.5	17.14	-162.4	-221.1	1,456.2	1,421.9	34.34	42.403	
11,100.0	10,725.0	9,694.6	9,345.0	38.6	33.5	17.53	-179.3	-225.1	1,459.9	1,425.1	34.76	42.000	
11,200.0	10,725.0	9,759.7	9,345.0	39.0	33.7	18.88	-242.8	-239.4	1,474.7	1,438.4	36.32	40.600	
11,300.0	10,725.0	9,873.4	9,345.0	39.4	34.1	20.76	-354.4	-261.0	1,488.7	1,450.9	37.90	39.283	
11,400.0	10,725.0	9,992.1	9,345.0	39.8	34.6	22.33	-471.8	-278.7	1,500.8	1,461.4	39.40	38.091	
11,500.0	10,725.0	10,115.0	9,345.0	40.4	35.3	23.55	-594.0	-291.9	1,510.5	1,469.7	40.83	36.995	
11,600.0	10,725.0	10,241.0	9,345.0	40.9	36.0	24.39	-719.7	-300.0	1,517.2	1,475.1	42.16	35.985	
11,700.0	10,725.0	10,369.0	9,345.0	41.6	36.8	24.83	-847.7	-302.5	1,520.8	1,477.4	43.38	35.056	
11,800.0	10,725.0	10,471.5	9,345.0	42.2	37.6	24.93	-950.1	-301.9	1,521.8	1,477.4	44.44	34.243	
11,820.3	10,725.0	10,508.3	9,345.0	42.3	37.8	24.94	-970.4	-301.8	1,521.9	1,477.1	44.74	34.013	
11,900.0	10,725.0	10,571.5	9,345.0	42.9	38.3	24.94	-1,050.1	-301.3	1,521.9	1,476.4	45.49	33.453	
12,000.0	10,725.0	10,671.5	9,345.0	43.7	39.2	24.94	-1,150.1	-300.7	1,521.9	1,475.3	46.60	32.656	
12,100.0	10,725.0	10,771.5	9,345.0	44.4	40.0	24.94	-1,250.1	-300.0	1,521.9	1,474.1	47.77	31.858	
12,200.0	10,725.0	10,871.5	9,345.0	45.3	41.0	24.94	-1,350.1	-299.4	1,521.9	1,472.9	48.99	31.065	
12,300.0	10,725.0	10,971.5	9,345.0	46.2	41.9	24.94	-1,450.1	-298.8	1,521.9	1,471.6	50.26	30.281	
12,400.0	10,725.0	11,071.5	9,345.0	47.1	43.0	24.94	-1,550.1	-298.1	1,521.9	1,470.3	51.57	29.509	
12,500.0	10,725.0	11,171.5	9,345.0	48.1	44.0	24.94	-1,650.1	-297.5	1,521.9	1,469.0	52.93	28.753	
12,600.0	10,725.0	11,271.5	9,345.0	49.1	45.1	24.94	-1,750.1	-296.9	1,521.9	1,467.6	54.33	28.014	
12,700.0	10,725.0	11,371.5	9,345.0	50.1	46.2	24.94	-1,850.1	-296.3	1,521.9	1,466.1	55.76	27.295	
12,800.0	10,725.0	11,471.5	9,345.0	51.2	47.4	24.94	-1,950.1	-295.6	1,521.9	1,464.7	57.22	26.596	
12,900.0	10,725.0	11,571.5	9,345.0	52.3	48.5	24.94	-2,050.1	-295.0	1,521.9	1,463.2	58.72	25.919	
13,000.0	10,725.0	11,671.5	9,345.0	53.4	49.7	24.94	-2,150.1	-294.4	1,521.9	1,461.7	60.24	25.263	
13,100.0	10,725.0	11,771.5	9,345.0	54.6	51.0	24.94	-2,250.1	-293.8	1,521.9	1,460.1	61.79	24.629	
13,200.0	10,725.0	11,871.5	9,345.0	55.7	52.2	24.94	-2,350.1	-293.1	1,521.9	1,458.5	63.37	24.017	
13,300.0	10,725.0	11,971.5	9,345.0	56.9	53.5	24.94	-2,450.1	-292.5	1,521.9	1,456.9	64.96	23.427	
13,400.0	10,725.0	12,071.5	9,345.0	58.2	54.8	24.94	-2,550.1	-291.9	1,521.9	1,455.3	66.58	22.857	
13,500.0	10,725.0	12,171.5	9,345.0	59.4	56.1	24.94	-2,650.1	-291.3	1,521.9	1,453.7	68.22	22.308	
13,600.0	10,725.0	12,271.5	9,345.0	60.7	57.5	24.94	-2,750.1	-290.6	1,521.9	1,452.0	69.88	21.779	
13,700.0	10,725.0	12,371.5	9,345.0	62.0	58.8	24.94	-2,850.1	-290.0	1,521.9	1,450.4	71.55	21.270	
13,800.0	10,725.0	12,471.5	9,345.0	63.3	60.2	24.94	-2,950.1	-289.4	1,521.9	1,448.7	73.24	20.779	
13,900.0	10,725.0	12,571.5	9,345.0	64.6	61.5	24.94	-3,050.1	-288.7	1,521.9	1,447.0	74.95	20.307	
14,000.0	10,725.0	12,671.5	9,345.0	65.9	62.9	24.94	-3,150.1	-288.1	1,521.9	1,445.2	76.66	19.852	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
14,100.0	10,725.0	12,771.5	9,345.0	67.3	64.3	24.94	-3,250.1	-287.5	1,521.9	1,443.5	78.40	19.413	
14,200.0	10,725.0	12,871.5	9,345.0	68.6	65.8	24.94	-3,350.1	-286.9	1,521.9	1,441.8	80.14	18.991	
14,300.0	10,725.0	12,971.5	9,345.0	70.0	67.2	24.94	-3,450.1	-286.2	1,521.9	1,440.0	81.89	18.584	
14,400.0	10,725.0	13,071.5	9,345.0	71.4	68.6	24.94	-3,550.1	-285.6	1,521.9	1,438.3	83.66	18.192	
14,500.0	10,725.0	13,171.5	9,345.0	72.8	70.1	24.94	-3,650.1	-285.0	1,521.9	1,436.5	85.43	17.814	
14,600.0	10,725.0	13,271.5	9,345.0	74.2	71.5	24.94	-3,750.1	-284.4	1,521.9	1,434.7	87.22	17.450	
14,700.0	10,725.0	13,371.5	9,345.0	75.6	73.0	24.94	-3,850.1	-283.7	1,521.9	1,432.9	89.01	17.098	
14,800.0	10,725.0	13,471.5	9,345.0	77.0	74.5	24.94	-3,950.1	-283.1	1,521.9	1,431.1	90.81	16.759	
14,900.0	10,725.0	13,571.5	9,345.0	78.5	75.9	24.94	-4,050.1	-282.5	1,521.9	1,429.3	92.62	16.432	
15,000.0	10,725.0	13,671.5	9,345.0	79.9	77.4	24.94	-4,150.1	-281.9	1,521.9	1,427.5	94.44	16.116	
15,100.0	10,725.0	13,771.5	9,345.0	81.3	78.9	24.94	-4,250.1	-281.2	1,521.9	1,425.7	96.26	15.811	
15,200.0	10,725.0	13,871.5	9,345.0	82.8	80.4	24.94	-4,350.1	-280.6	1,521.9	1,423.8	98.09	15.516	
15,300.0	10,725.0	13,971.5	9,345.0	84.3	81.9	24.94	-4,450.1	-280.0	1,521.9	1,422.0	99.92	15.231	
15,400.0	10,725.0	14,071.5	9,345.0	85.7	83.4	24.94	-4,550.0	-279.3	1,521.9	1,420.2	101.77	14.955	
15,500.0	10,725.0	14,171.5	9,345.0	87.2	84.9	24.94	-4,650.0	-278.7	1,521.9	1,418.3	103.61	14.689	
15,600.0	10,725.0	14,271.5	9,345.0	88.7	86.5	24.94	-4,750.0	-278.1	1,521.9	1,416.5	105.47	14.431	
15,700.0	10,725.0	14,371.5	9,345.0	90.2	88.0	24.94	-4,850.0	-277.5	1,521.9	1,414.6	107.32	14.181	
15,800.0	10,725.0	14,471.5	9,345.0	91.7	89.5	24.94	-4,950.0	-276.8	1,521.9	1,412.7	109.18	13.939	
15,900.0	10,725.0	14,571.5	9,345.0	93.2	91.1	24.94	-5,050.0	-276.2	1,521.9	1,410.9	111.05	13.705	
16,000.0	10,725.0	14,671.5	9,345.0	94.7	92.6	24.94	-5,150.0	-275.6	1,521.9	1,409.0	112.92	13.478	
16,100.0	10,725.0	14,771.5	9,345.0	96.2	94.1	24.94	-5,250.0	-275.0	1,521.9	1,407.1	114.80	13.258	
16,200.0	10,725.0	14,871.5	9,345.0	97.7	95.7	24.94	-5,350.0	-274.3	1,521.9	1,405.3	116.68	13.044	
16,300.0	10,725.0	14,971.5	9,345.0	99.2	97.2	24.94	-5,450.0	-273.7	1,521.9	1,403.4	118.56	12.837	
16,400.0	10,725.0	15,071.5	9,345.0	100.8	98.8	24.94	-5,550.0	-273.1	1,521.9	1,401.5	120.44	12.636	
16,500.0	10,725.0	15,171.5	9,345.0	102.3	100.3	24.94	-5,650.0	-272.5	1,521.9	1,399.6	122.33	12.441	
16,600.0	10,725.0	15,271.5	9,345.0	103.8	101.9	24.94	-5,750.0	-271.8	1,521.9	1,397.7	124.23	12.251	
16,700.0	10,725.0	15,371.5	9,345.0	105.4	103.5	24.94	-5,850.0	-271.2	1,521.9	1,395.8	126.12	12.067	
16,800.0	10,725.0	15,471.5	9,345.0	106.9	105.0	24.94	-5,950.0	-270.6	1,521.9	1,393.9	128.02	11.888	
16,900.0	10,725.0	15,571.5	9,345.0	108.4	106.6	24.94	-6,050.0	-269.9	1,521.9	1,392.0	129.92	11.714	
17,000.0	10,725.0	15,671.5	9,345.0	110.0	108.2	24.94	-6,150.0	-269.3	1,522.0	1,390.1	131.82	11.545	
17,100.0	10,725.0	15,771.5	9,345.0	111.5	109.7	24.94	-6,250.0	-268.7	1,522.0	1,388.2	133.73	11.381	
17,200.0	10,725.0	15,871.5	9,345.0	113.1	111.3	24.94	-6,350.0	-268.1	1,522.0	1,386.3	135.64	11.221	
17,300.0	10,725.0	15,971.5	9,345.0	114.6	112.9	24.94	-6,450.0	-267.4	1,522.0	1,384.4	137.55	11.065	
17,400.0	10,725.0	16,071.5	9,345.0	116.2	114.5	24.94	-6,550.0	-266.8	1,522.0	1,382.5	139.46	10.913	
17,500.0	10,725.0	16,171.5	9,345.0	117.8	116.0	24.94	-6,650.0	-266.2	1,522.0	1,380.6	141.38	10.765	
17,600.0	10,725.0	16,271.5	9,345.0	119.3	117.6	24.94	-6,750.0	-265.6	1,522.0	1,378.7	143.30	10.621	
17,700.0	10,725.0	16,371.5	9,345.0	120.9	119.2	24.94	-6,850.0	-264.9	1,522.0	1,376.7	145.22	10.481	
17,800.0	10,725.0	16,471.5	9,345.0	122.5	120.8	24.94	-6,950.0	-264.3	1,522.0	1,374.8	147.14	10.344	
17,900.0	10,725.0	16,571.5	9,345.0	124.0	122.4	24.94	-7,050.0	-263.7	1,522.0	1,372.9	149.06	10.210	
18,000.0	10,725.0	16,671.5	9,345.0	125.6	124.0	24.94	-7,150.0	-263.1	1,522.0	1,371.0	150.99	10.080	
18,100.0	10,725.0	16,771.5	9,345.0	127.2	125.6	24.94	-7,250.0	-262.4	1,522.0	1,369.1	152.91	9.953	
18,200.0	10,725.0	16,871.5	9,345.0	128.8	127.2	24.94	-7,350.0	-261.8	1,522.0	1,367.1	154.84	9.829	
18,300.0	10,725.0	16,971.5	9,345.0	130.3	128.8	24.94	-7,450.0	-261.2	1,522.0	1,365.2	156.77	9.708	
18,400.0	10,725.0	17,071.5	9,345.0	131.9	130.4	24.94	-7,550.0	-260.5	1,522.0	1,363.3	158.70	9.590	
18,500.0	10,725.0	17,171.5	9,345.0	133.5	132.0	24.94	-7,650.0	-259.9	1,522.0	1,361.3	160.64	9.475	
18,600.0	10,725.0	17,271.5	9,345.0	135.1	133.6	24.94	-7,750.0	-259.3	1,522.0	1,359.4	162.57	9.362	
18,700.0	10,725.0	17,371.5	9,345.0	136.7	135.2	24.94	-7,850.0	-258.7	1,522.0	1,357.5	164.51	9.252	
18,800.0	10,725.0	17,471.5	9,345.0	138.2	136.8	24.94	-7,950.0	-258.0	1,522.0	1,355.5	166.44	9.144	
18,900.0	10,725.0	17,571.5	9,345.0	139.8	138.4	24.94	-8,050.0	-257.4	1,522.0	1,353.6	168.38	9.039	
19,000.0	10,725.0	17,671.5	9,345.0	141.4	140.0	24.94	-8,150.0	-256.8	1,522.0	1,351.7	170.32	8.936	
19,100.0	10,725.0	17,771.5	9,345.0	143.0	141.6	24.94	-8,250.0	-256.2	1,522.0	1,349.7	172.26	8.835	
19,200.0	10,725.0	17,871.5	9,345.0	144.6	143.2	24.95	-8,350.0	-255.5	1,522.0	1,347.8	174.20	8.737	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
19,300.0	10,725.0	17,971.5	9,345.0	146.2	144.8	24.95	-8,450.0	-254.9	1,522.0	1,345.8	176.15	8.640	
19,400.0	10,725.0	18,071.5	9,345.0	147.8	146.4	24.95	-8,550.0	-254.3	1,522.0	1,343.9	178.09	8.546	
19,500.0	10,725.0	18,171.5	9,345.0	149.4	148.0	24.95	-8,650.0	-253.6	1,522.0	1,342.0	180.04	8.454	
19,600.0	10,725.0	18,271.5	9,345.0	151.0	149.6	24.95	-8,750.0	-253.0	1,522.0	1,340.0	181.98	8.363	
19,700.0	10,725.0	18,371.5	9,345.0	152.6	151.2	24.95	-8,850.0	-252.4	1,522.0	1,338.1	183.93	8.275	
19,800.0	10,725.0	18,471.5	9,345.0	154.2	152.8	24.95	-8,950.0	-251.8	1,522.0	1,336.1	185.88	8.188	
19,900.0	10,725.0	18,571.5	9,345.0	155.8	154.4	24.95	-9,050.0	-251.1	1,522.0	1,334.2	187.83	8.103	
20,000.0	10,725.0	18,671.5	9,345.0	157.4	156.1	24.95	-9,150.0	-250.5	1,522.0	1,332.2	189.78	8.020	
20,100.0	10,725.0	18,771.5	9,345.0	159.0	157.7	24.95	-9,250.0	-249.9	1,522.0	1,330.3	191.73	7.938	
20,200.0	10,725.0	18,871.5	9,345.0	160.6	159.3	24.95	-9,350.0	-249.3	1,522.0	1,328.3	193.68	7.858	
20,300.0	10,725.0	18,971.5	9,345.0	162.2	160.9	24.95	-9,450.0	-248.6	1,522.0	1,326.4	195.63	7.780	
20,400.0	10,725.0	19,071.5	9,345.0	163.8	162.5	24.95	-9,550.0	-248.0	1,522.0	1,324.4	197.58	7.703	
20,500.0	10,725.0	19,171.5	9,345.0	165.4	164.1	24.95	-9,649.9	-247.4	1,522.0	1,322.5	199.54	7.628	
20,600.0	10,725.0	19,271.5	9,345.0	167.0	165.8	24.95	-9,749.9	-246.8	1,522.0	1,320.5	201.49	7.554	
20,700.0	10,725.0	19,371.5	9,345.0	168.6	167.4	24.95	-9,849.9	-246.1	1,522.0	1,318.6	203.45	7.481	
20,800.0	10,725.0	19,471.5	9,345.0	170.2	169.0	24.95	-9,949.9	-245.5	1,522.0	1,316.6	205.40	7.410	
20,846.3	10,725.0	19,517.8	9,345.0	171.0	169.7	24.95	-9,996.3	-245.2	1,522.0	1,315.7	206.31	7.377	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	-63.85	29.5	-60.2	67.0				
100.0	100.0	98.1	98.1	0.1	0.2	-63.71	30.0	-60.7	67.7	67.4	0.29	232.957	
200.0	200.0	197.2	197.1	0.5	0.3	-63.31	31.3	-62.3	69.7	68.9	0.83	83.919	
300.0	300.0	296.6	296.5	0.8	0.7	-62.70	33.4	-64.7	72.9	71.3	1.55	47.158	
400.0	400.0	396.4	396.3	1.2	1.1	-62.20	35.6	-67.6	76.4	74.2	2.26	33.829	
500.0	500.0	496.0	495.8	1.6	1.4	-61.67	38.0	-70.5	80.1	77.2	2.97	26.944	
600.0	600.0	596.0	595.7	1.9	1.8	-61.06	40.7	-73.6	84.1	80.4	3.69	22.802	
700.0	700.0	695.6	695.2	2.3	2.1	-60.29	43.7	-76.5	88.2	83.8	4.41	20.016	
800.0	800.0	795.8	795.4	2.6	2.5	-59.57	46.7	-79.6	92.3	87.2	5.12	18.025	
900.0	900.0	896.3	895.7	3.0	2.9	-58.96	49.5	-82.2	96.0	90.1	5.84	16.429	
1,000.0	1,000.0	996.1	995.5	3.4	3.2	-58.50	51.9	-84.8	99.5	92.9	6.56	15.169	
1,100.0	1,100.0	1,096.1	1,095.4	3.7	3.6	-58.13	54.3	-87.4	103.0	95.7	7.27	14.154	
1,200.0	1,200.0	1,196.2	1,195.4	4.1	4.0	-57.78	56.7	-90.0	106.4	98.4	7.99	13.311	
1,300.0	1,300.0	1,296.3	1,295.5	4.4	4.3	-73.10	58.6	-92.6	109.4	100.7	8.71	12.559	
1,400.0	1,400.0	1,396.1	1,395.3	4.8	4.7	-74.28	60.5	-95.2	111.8	102.4	9.42	11.864	
1,500.0	1,499.9	1,496.1	1,495.2	5.1	5.0	-76.02	62.8	-97.7	114.1	104.0	10.14	11.251	
1,600.0	1,599.7	1,597.1	1,596.1	5.5	5.4	-78.05	65.8	-99.4	115.6	104.7	10.86	10.641	
1,700.0	1,699.4	1,698.0	1,696.9	5.9	5.8	-79.27	71.3	-98.5	115.7	104.1	11.58	9.990	
1,800.0	1,798.9	1,798.6	1,797.2	6.2	6.1	-80.33	78.4	-96.2	114.9	102.6	12.30	9.341	
1,900.0	1,898.3	1,898.9	1,897.3	6.6	6.5	-82.37	85.1	-93.5	113.5	100.4	13.03	8.710	
2,000.0	1,997.4	1,999.1	1,997.2	7.0	6.8	-85.34	91.7	-90.6	111.7	97.9	13.76	8.117	
2,100.0	2,096.4	2,099.0	2,096.8	7.3	7.2	-88.76	98.3	-87.3	109.9	95.4	14.50	7.583	
2,200.0	2,195.5	2,199.0	2,196.6	7.7	7.5	-92.38	104.8	-84.0	108.5	93.2	15.24	7.118	
2,300.0	2,294.5	2,299.1	2,296.4	8.1	7.9	-96.11	111.1	-80.4	107.2	91.2	15.99	6.703	
2,400.0	2,393.5	2,399.8	2,396.8	8.5	8.2	-100.10	117.1	-76.2	105.7	89.0	16.73	6.319	
2,486.3	2,479.0	2,484.6	2,481.4	8.8	8.5	-103.47	122.3	-72.8	105.0	87.6	17.38	6.042	
2,500.0	2,492.5	2,498.1	2,494.8	8.9	8.6	-103.95	123.3	-72.4	105.0	87.5	17.48	6.008	
2,600.0	2,591.6	2,597.1	2,593.6	9.3	9.0	-107.10	130.8	-69.5	105.8	87.6	18.23	5.804	
2,700.0	2,690.6	2,697.3	2,693.4	9.7	9.3	-110.15	138.6	-66.8	107.1	88.1	18.98	5.640	
2,800.0	2,789.6	2,796.8	2,792.6	10.1	9.7	-113.52	145.5	-64.0	108.6	88.9	19.73	5.507	
2,900.0	2,888.6	2,896.5	2,892.0	10.5	10.1	-116.59	152.8	-61.5	110.8	90.3	20.47	5.411	
3,000.0	2,987.7	2,996.9	2,992.0	10.9	10.4	-119.18	160.9	-58.9	113.0	91.8	21.22	5.327	
3,100.0	3,086.7	3,097.6	3,092.3	11.3	10.8	-121.31	169.9	-55.8	114.8	92.8	21.97	5.224	
3,200.0	3,185.7	3,197.4	3,191.6	11.7	11.2	-123.32	179.0	-52.5	116.3	93.6	22.71	5.120	
3,300.0	3,284.8	3,296.9	3,290.7	12.1	11.6	-125.59	187.3	-49.3	118.4	94.9	23.45	5.047	
3,400.0	3,383.8	3,397.2	3,390.5	12.5	11.9	-127.38	196.6	-46.3	120.5	96.3	24.20	4.982	
3,500.0	3,482.8	3,497.4	3,490.2	12.9	12.3	-128.85	206.5	-43.2	122.4	97.5	24.94	4.909	
3,600.0	3,581.8	3,597.4	3,589.8	13.3	12.7	-130.86	215.1	-39.6	124.5	98.8	25.68	4.847	
3,700.0	3,680.9	3,698.3	3,690.1	13.7	13.1	-132.31	225.2	-36.0	126.1	99.7	26.42	4.774	
3,744.5	3,724.9	3,743.3	3,734.8	13.9	13.2	-132.85	229.9	-34.3	126.6	99.8	26.74	4.733	
3,800.0	3,779.9	3,798.3	3,789.5	14.1	13.5	-133.46	235.6	-32.0	126.9	99.8	27.16	4.673	
3,900.0	3,879.3	3,897.5	3,888.1	14.5	13.8	-134.25	244.9	-28.0	126.6	98.7	27.90	4.538	
4,000.0	3,978.9	3,996.4	3,986.7	14.9	14.2	-134.51	253.3	-24.4	125.2	96.6	28.64	4.373	
4,100.0	4,078.8	4,096.9	4,086.7	15.3	14.6	-133.87	261.5	-21.0	122.4	93.1	29.38	4.167	
4,200.0	4,178.7	4,197.8	4,187.0	15.6	15.0	-131.58	271.5	-17.4	117.0	86.9	30.14	3.883	
4,277.8	4,256.5	4,275.2	4,264.0	15.9	15.3	-113.55	279.8	-14.6	111.4	80.7	30.75	3.623	
4,300.0	4,278.7	4,297.2	4,285.9	16.0	15.4	-112.59	282.2	-13.8	109.7	78.8	30.92	3.548	
4,400.0	4,378.7	4,396.4	4,384.4	16.3	15.7	-108.07	292.4	-10.3	102.7	71.0	31.72	3.239	
4,500.0	4,478.7	4,495.6	4,483.1	16.6	16.1	-103.25	302.1	-6.7	96.7	64.1	32.51	2.973	
4,600.0	4,578.7	4,595.2	4,582.2	17.0	16.5	-98.22	311.1	-3.2	91.4	58.1	33.30	2.745	
4,700.0	4,678.7	4,694.5	4,681.1	17.3	16.9	-93.10	319.5	0.4	87.0	52.9	34.08	2.554	
4,800.0	4,778.7	4,793.6	4,779.9	17.7	17.3	-87.96	327.2	3.5	83.8	48.9	34.84	2.404	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,900.0	4,878.7	4,893.3	4,879.3	18.0	17.6	-82.91	334.2	6.3	81.5	45.9	35.59	2.290	
5,000.0	4,978.7	4,992.8	4,978.5	18.3	18.0	-78.08	340.7	8.9	80.0	43.7	36.32	2.204	
5,100.0	5,078.7	5,092.7	5,078.3	18.7	18.4	-73.57	346.6	11.3	79.2	42.1	37.04	2.137	
5,200.0	5,178.7	5,192.6	5,177.9	19.0	18.7	-69.61	351.6	13.5	78.6	40.9	37.74	2.084	
5,283.4	5,262.1	5,275.9	5,261.1	19.3	19.0	-66.60	355.4	15.1	78.5	40.2	38.32	2.049	
5,300.0	5,278.7	5,292.3	5,277.6	19.4	19.1	-66.03	356.1	15.4	78.5	40.1	38.44	2.043	
5,400.0	5,378.7	5,391.9	5,377.0	19.7	19.5	-62.71	360.5	16.9	79.1	40.0	39.13	2.022	
5,500.0	5,478.7	5,491.9	5,477.0	20.1	19.8	-59.68	364.6	18.1	80.0	40.2	39.81	2.010	
5,600.0	5,578.7	5,592.1	5,577.1	20.4	20.2	-57.12	368.1	19.3	80.9	40.4	40.49	1.997	
5,700.0	5,678.7	5,692.1	5,677.1	20.7	20.5	-54.81	371.2	20.5	81.5	40.4	41.17	1.981	
5,800.0	5,778.7	5,792.0	5,776.9	21.1	20.9	-52.78	374.1	21.5	82.5	40.6	41.85	1.971	
5,900.0	5,878.7	5,892.1	5,876.9	21.4	21.2	-50.88	376.9	22.4	83.5	41.0	42.54	1.963	
6,000.0	5,978.7	5,992.2	5,977.0	21.8	21.6	-49.12	379.4	23.4	84.4	41.2	43.22	1.953	
6,100.0	6,078.7	6,092.5	6,077.2	22.1	22.0	-47.46	381.7	24.5	85.1	41.2	43.90	1.938	
6,200.0	6,178.7	6,192.6	6,177.4	22.5	22.3	-46.20	383.4	25.5	85.5	40.9	44.58	1.917	
6,300.0	6,278.7	6,292.8	6,277.6	22.8	22.7	-45.52	384.3	26.0	85.8	40.5	45.27	1.894	
6,400.0	6,378.7	6,392.7	6,377.4	23.2	23.0	-45.11	384.8	26.3	85.9	40.0	45.96	1.869	
6,500.0	6,478.7	6,493.0	6,477.7	23.5	23.3	-45.00	385.1	26.3	86.1	39.5	46.65	1.846	
6,600.0	6,578.7	6,593.2	6,577.9	23.9	23.7	-45.60	384.3	25.8	85.9	38.6	47.33	1.816	
6,700.0	6,678.7	6,693.3	6,678.0	24.2	24.0	-46.85	382.8	24.7	85.6	37.6	48.01	1.783	
6,800.0	6,778.7	6,793.3	6,778.0	24.6	24.3	-47.94	381.3	23.9	85.3	36.6	48.70	1.752	
6,900.0	6,878.7	6,893.6	6,878.3	24.9	24.6	-48.80	380.1	23.4	84.8	35.4	49.37	1.718	
7,000.0	6,978.7	6,993.6	6,978.3	25.3	24.9	-49.75	378.5	23.0	84.1	34.0	50.06	1.680	
7,100.0	7,078.7	7,093.5	7,078.2	25.6	25.3	-50.71	377.0	22.6	83.5	32.7	50.74	1.645	
7,200.0	7,178.7	7,194.0	7,178.7	26.0	25.6	-51.50	375.6	22.6	82.5	31.1	51.42	1.605	
7,300.0	7,278.7	7,294.1	7,278.7	26.3	25.9	-52.09	374.1	23.1	81.2	29.1	52.10	1.559	
7,400.0	7,378.7	7,393.7	7,378.3	26.7	26.2	-52.41	373.2	23.6	80.3	27.5	52.78	1.521	
7,500.0	7,478.7	7,493.8	7,478.4	27.0	26.6	-52.45	372.6	24.2	79.5	26.0	53.47	1.486	Level 3
7,600.0	7,578.7	7,594.0	7,578.6	27.4	26.9	-52.55	371.9	25.0	78.4	24.2	54.15	1.447	Level 3
7,700.0	7,678.7	7,693.8	7,678.4	27.7	27.2	-52.41	371.3	26.0	77.3	22.4	54.84	1.409	Level 3
7,800.0	7,778.7	7,793.6	7,778.2	28.1	27.6	-52.37	370.9	26.6	76.5	21.0	55.53	1.379	Level 3
7,900.0	7,878.7	7,893.7	7,878.3	28.4	27.9	-52.30	370.6	27.2	75.8	19.6	56.21	1.349	Level 3
8,000.0	7,978.7	7,994.0	7,978.6	28.8	28.2	-52.55	369.7	27.8	74.8	17.9	56.90	1.315	Level 3
8,100.0	8,078.7	8,093.9	8,078.5	29.1	28.6	-52.92	368.6	28.5	73.6	16.0	57.59	1.278	Level 3
8,200.0	8,178.7	8,193.6	8,178.2	29.5	28.9	-53.00	368.0	29.1	72.7	14.5	58.28	1.248	Level 2
8,246.2	8,224.9	8,239.3	8,223.9	29.6	29.0	-52.99	367.9	29.3	72.5	13.9	58.60	1.238	Level 2
8,300.0	8,278.7	8,291.9	8,276.5	29.8	29.2	-52.79	368.3	29.1	73.0	14.0	58.98	1.237	Level 2
8,400.0	8,378.7	8,391.2	8,375.7	30.2	29.6	-52.12	370.5	27.7	75.4	15.7	59.67	1.263	Level 3
8,500.0	8,478.7	8,490.8	8,475.3	30.5	29.9	-51.82	372.5	25.8	78.2	17.8	60.37	1.295	Level 3
8,600.0	8,578.7	8,590.4	8,574.9	30.9	30.3	-51.78	374.5	23.3	81.4	20.3	61.06	1.333	Level 3
8,700.0	8,678.7	8,690.7	8,675.1	31.2	30.6	-51.86	376.5	20.6	84.7	22.9	61.77	1.371	Level 3
8,800.0	8,778.7	8,791.3	8,775.7	31.6	31.0	-51.94	378.1	18.4	87.4	24.9	62.47	1.399	Level 3
8,900.0	8,878.7	8,891.6	8,876.0	32.0	31.3	-52.11	379.2	16.5	89.5	26.3	63.18	1.417	Level 3
9,000.0	8,978.7	8,991.9	8,976.2	32.3	31.7	-52.82	379.3	14.5	91.3	27.4	63.88	1.429	Level 3
9,100.0	9,078.7	9,092.3	9,076.6	32.7	32.0	-54.13	378.5	12.1	92.7	28.1	64.58	1.435	Level 3
9,200.0	9,178.7	9,192.2	9,176.4	33.0	32.3	-55.65	377.2	9.6	93.9	28.7	65.28	1.439	Level 3
9,300.0	9,278.7	9,292.2	9,276.4	33.4	32.7	-57.32	375.6	7.0	95.3	29.3	65.97	1.444	Level 3
9,400.0	9,378.7	9,391.9	9,376.0	33.7	33.0	-58.87	374.2	4.4	96.7	30.1	66.67	1.451	Level 3
9,500.0	9,478.7	9,493.4	9,477.5	34.1	33.3	-59.97	373.6	1.7	98.7	31.4	67.37	1.465	Level 3
9,600.0	9,578.7	9,609.8	9,592.2	34.4	33.7	-68.99	355.9	4.6	89.6	22.4	67.26	1.332	Level 3
9,700.0	9,678.7	9,708.6	9,683.5	34.8	33.9	-93.64	319.5	12.9	74.7	6.2	68.50	1.090	Level 2
9,732.2	9,710.9	9,737.8	9,709.9	34.9	34.0	-103.41	307.2	15.8	73.4	4.7	68.74	1.068	Level 2, ES, SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	9,778.7	9,794.8	9,760.8	35.1	34.1	-122.47	282.3	21.3	79.9	12.7	67.26	1.188	Level 2
9,900.0	9,878.7	9,865.8	9,821.2	35.5	34.3	-141.07	245.1	23.3	116.3	55.3	60.92	1.908	
10,000.0	9,978.7	9,926.2	9,868.6	35.8	34.4	-150.36	207.8	21.0	172.8	117.5	55.24	3.128	
10,100.0	10,078.7	9,978.7	9,905.9	36.2	34.5	-155.29	171.1	16.8	240.6	189.4	51.20	4.699	
10,173.3	10,152.0	10,015.2	9,930.1	36.5	34.6	-157.93	143.9	14.1	294.3	245.1	49.22	5.980	
10,200.0	10,178.7	10,027.8	9,938.2	36.5	34.6	34.89	134.2	13.3	314.2	265.6	48.54	6.473	
10,250.0	10,228.5	10,055.0	9,954.9	36.7	34.7	31.02	112.9	11.8	350.4	302.7	47.66	7.352	
10,300.0	10,277.7	10,083.5	9,971.8	36.8	34.7	28.07	90.0	10.9	384.8	337.9	46.84	8.214	
10,350.0	10,325.9	10,117.8	9,991.9	37.0	34.8	25.71	62.1	10.6	416.7	370.1	46.53	8.955	
10,400.0	10,372.8	10,150.0	10,010.2	37.1	34.9	23.90	35.7	11.4	445.9	400.0	45.85	9.724	
10,450.0	10,418.1	10,171.7	10,022.0	37.2	34.9	22.52	17.5	12.1	473.2	429.1	44.15	10.717	
10,500.0	10,461.3	10,191.2	10,031.7	37.3	35.0	21.40	0.6	12.7	499.1	456.8	42.34	11.789	
10,550.0	10,502.1	10,210.6	10,040.6	37.4	35.0	20.50	-16.7	13.1	523.6	483.0	40.63	12.888	
10,600.0	10,540.3	10,246.0	10,054.6	37.5	35.1	19.93	-49.1	13.6	547.2	506.9	40.23	13.601	
10,650.0	10,575.6	10,246.0	10,054.6	37.6	35.1	19.16	-49.1	13.6	568.0	530.6	37.45	15.167	
10,700.0	10,607.6	10,246.0	10,054.6	37.7	35.1	18.43	-49.1	13.6	588.8	553.6	35.22	16.719	
10,750.0	10,636.1	10,284.9	10,066.7	37.8	35.2	18.38	-86.1	13.7	606.1	570.7	35.34	17.149	
10,800.0	10,661.0	10,302.7	10,070.9	37.9	35.2	18.12	-103.4	13.6	622.7	588.1	34.60	17.999	
10,850.0	10,682.0	10,341.0	10,077.3	38.0	35.3	18.32	-141.1	13.1	638.5	603.7	34.84	18.324	
10,900.0	10,698.9	10,341.0	10,077.3	38.1	35.3	17.93	-141.1	13.1	650.9	616.8	34.11	19.084	
10,950.0	10,711.7	10,364.3	10,079.7	38.2	35.4	18.03	-164.3	12.7	662.2	627.8	34.39	19.255	
11,000.0	10,720.3	10,392.2	10,081.7	38.3	35.5	18.31	-192.2	12.4	671.1	636.2	34.96	19.199	
11,050.0	10,724.5	10,420.3	10,082.8	38.5	35.5	18.69	-220.2	12.3	677.5	641.8	35.69	18.982	
11,073.3	10,725.0	10,437.0	10,083.0	38.5	35.6	18.97	-236.9	12.3	679.7	643.6	36.10	18.830	
11,100.0	10,725.0	10,456.5	10,083.0	38.6	35.6	19.40	-256.4	12.4	681.9	645.3	36.58	18.643	
11,200.0	10,725.0	10,550.5	10,082.7	39.0	35.9	21.21	-350.3	13.7	690.2	651.9	38.27	18.034	
11,300.0	10,725.0	10,638.9	10,081.4	39.4	36.3	22.61	-438.7	15.0	698.8	659.0	39.86	17.532	
11,400.0	10,725.0	10,729.0	10,078.4	39.8	36.7	23.67	-528.8	17.2	707.7	666.4	41.25	17.155	
11,500.0	10,725.0	10,847.8	10,074.2	40.4	37.3	24.56	-647.4	21.0	715.3	672.9	42.40	16.870	
11,600.0	10,725.0	10,941.0	10,072.5	40.9	37.9	25.05	-740.6	24.0	719.8	676.2	43.54	16.532	
11,700.0	10,725.0	11,050.7	10,071.1	41.6	38.6	25.39	-850.2	26.5	722.7	678.1	44.62	16.196	
11,800.0	10,725.0	11,145.2	10,070.1	42.2	39.3	25.46	-944.7	28.3	724.2	678.6	45.60	15.880	
11,820.3	10,725.0	11,170.7	10,070.0	42.3	39.5	25.44	-970.3	28.7	724.2	678.4	45.80	15.812	
11,900.0	10,725.0	11,259.7	10,070.8	42.9	40.2	25.40	-1,059.2	30.3	723.2	676.5	46.62	15.512	
12,000.0	10,725.0	11,352.4	10,071.3	43.7	40.9	25.33	-1,151.9	32.1	722.1	674.5	47.60	15.170	
12,100.0	10,725.0	11,455.4	10,070.7	44.4	41.8	25.17	-1,254.8	34.7	721.8	673.2	48.62	14.847	
12,200.0	10,725.0	11,563.5	10,072.5	45.3	42.8	25.16	-1,362.9	36.4	719.9	670.1	49.84	14.444	
12,300.0	10,725.0	11,658.1	10,073.8	46.2	43.8	25.13	-1,457.4	38.0	718.1	667.1	51.02	14.076	
12,400.0	10,725.0	11,771.0	10,075.4	47.1	44.9	25.11	-1,570.4	39.7	716.6	664.2	52.37	13.683	
12,500.0	10,725.0	11,872.3	10,079.4	48.1	46.0	25.23	-1,671.6	40.5	712.9	659.1	53.82	13.247	
12,600.0	10,725.0	11,962.3	10,082.1	49.1	46.9	25.33	-1,761.5	41.0	710.3	655.1	55.21	12.866	
12,700.0	10,725.0	12,056.4	10,083.7	50.1	48.0	25.41	-1,855.6	41.3	708.9	652.2	56.64	12.515	
12,800.0	10,725.0	12,153.2	10,084.7	51.2	49.1	25.47	-1,952.4	41.6	708.1	649.9	58.12	12.182	
12,865.7	10,725.0	12,214.5	10,085.1	51.9	49.8	25.50	-2,013.7	41.8	707.8	648.7	59.09	11.979	
12,900.0	10,725.0	12,245.5	10,085.1	52.3	50.2	25.50	-2,044.7	41.9	707.9	648.3	59.58	11.880	
13,000.0	10,725.0	12,336.2	10,084.2	53.4	51.2	25.51	-2,135.4	41.9	709.0	648.0	61.04	11.616	
13,100.0	10,725.0	12,441.1	10,082.7	54.6	52.5	25.55	-2,240.3	41.3	710.8	648.2	62.63	11.349	
13,200.0	10,725.0	12,544.9	10,082.5	55.7	53.8	25.63	-2,344.1	40.8	711.5	647.2	64.29	11.067	
13,300.0	10,725.0	12,648.3	10,081.9	56.9	55.1	25.57	-2,447.5	41.9	711.8	646.0	65.84	10.812	
13,400.0	10,725.0	12,747.1	10,081.2	58.2	56.3	25.47	-2,546.2	43.6	712.0	644.6	67.34	10.573	
13,500.0	10,725.0	12,849.0	10,080.0	59.4	57.7	25.26	-2,648.1	46.6	712.1	643.3	68.75	10.357	
13,506.2	10,725.0	12,855.3	10,079.9	59.5	57.7	25.24	-2,654.4	46.8	712.1	643.2	68.84	10.344	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,600.0	10,725.0	12,942.0	10,078.1	60.7	58.9	24.98	-2,741.0	50.2	712.6	642.5	70.05	10.172	
13,700.0	10,725.0	13,089.9	10,080.3	62.0	60.9	24.61	-2,888.7	57.2	709.1	637.4	71.64	9.897	
13,800.0	10,725.0	13,195.9	10,086.7	63.3	62.3	24.67	-2,994.4	59.9	702.8	629.4	73.43	9.572	
13,900.0	10,725.0	13,279.6	10,092.3	64.6	63.5	24.87	-3,077.9	60.3	696.8	621.6	75.22	9.264	
14,000.0	10,725.0	13,357.0	10,095.3	65.9	64.6	25.13	-3,155.3	58.8	694.4	617.3	77.05	9.012	
14,051.2	10,725.0	13,400.9	10,096.4	66.6	65.2	25.28	-3,199.2	57.5	694.1	616.0	78.06	8.892	
14,100.0	10,725.0	13,444.2	10,097.0	67.3	65.8	25.44	-3,242.4	56.0	694.3	615.3	79.03	8.785	
14,200.0	10,725.0	13,536.3	10,097.5	68.6	67.0	25.76	-3,334.5	52.5	695.6	614.6	81.08	8.580	
14,300.0	10,725.0	13,629.9	10,096.6	70.0	68.3	25.99	-3,428.0	49.5	698.3	615.2	83.06	8.407	
14,400.0	10,725.0	13,751.7	10,096.3	71.4	70.1	26.22	-3,549.7	47.0	699.7	614.4	85.29	8.204	
14,500.0	10,725.0	13,872.9	10,098.7	72.8	71.8	26.29	-3,670.9	48.0	697.8	610.4	87.32	7.991	
14,600.0	10,725.0	13,977.0	10,101.8	74.2	73.3	26.20	-3,774.9	51.4	694.0	604.9	89.03	7.794	
14,700.0	10,725.0	14,080.2	10,105.5	75.6	74.8	26.19	-3,878.0	54.0	689.9	599.0	90.85	7.593	
14,800.0	10,725.0	14,189.7	10,110.4	77.0	76.4	26.17	-3,987.4	57.3	684.9	592.2	92.71	7.387	
14,900.0	10,725.0	14,291.7	10,115.4	78.5	77.9	26.11	-4,089.1	61.3	678.9	584.5	94.46	7.188	
15,000.0	10,725.0	14,382.2	10,120.1	79.9	79.3	26.18	-4,179.5	63.2	673.6	577.3	96.34	6.992	
15,100.0	10,725.0	14,458.3	10,123.1	81.3	80.4	26.38	-4,255.6	62.6	670.7	572.4	98.31	6.823	
15,135.9	10,725.0	14,486.6	10,123.7	81.9	80.8	26.47	-4,283.8	61.9	670.5	571.5	99.03	6.771	
15,200.0	10,725.0	14,540.2	10,124.1	82.8	81.6	26.62	-4,337.4	60.5	671.0	570.7	100.34	6.688	
15,300.0	10,725.0	14,627.8	10,123.1	84.3	82.9	26.80	-4,425.0	58.0	673.6	571.3	102.34	6.582	
15,400.0	10,725.0	14,726.6	10,120.8	85.7	84.4	27.00	-4,523.7	54.9	677.4	572.9	104.49	6.483	
15,500.0	10,725.0	14,832.2	10,118.7	87.2	85.9	27.16	-4,629.2	52.4	680.6	573.9	106.67	6.380	
15,600.0	10,725.0	14,928.1	10,116.5	88.7	87.4	27.22	-4,725.1	51.1	683.5	574.8	108.61	6.293	
15,700.0	10,725.0	15,028.3	10,113.5	90.2	88.9	27.22	-4,825.2	50.1	686.9	576.4	110.52	6.216	
15,800.0	10,725.0	15,126.0	10,110.0	91.7	90.4	27.13	-4,922.9	50.1	690.3	578.1	112.26	6.149	
15,900.0	10,725.0	15,225.8	10,105.6	93.2	91.9	26.92	-5,022.6	51.4	694.0	580.2	113.82	6.098	
16,000.0	10,725.0	15,358.8	10,103.2	94.7	93.9	26.65	-5,155.5	54.7	694.6	579.0	115.61	6.009	
16,034.4	10,725.0	15,385.6	10,103.2	95.2	94.3	26.62	-5,182.3	55.2	694.5	578.3	116.17	5.978	
16,100.0	10,725.0	15,437.7	10,102.5	96.2	95.1	26.60	-5,234.4	55.6	695.1	577.9	117.24	5.929	
16,200.0	10,725.0	15,532.5	10,100.1	97.7	96.6	26.53	-5,329.1	55.9	697.5	578.6	118.98	5.863	
16,300.0	10,725.0	15,657.3	10,099.0	99.2	98.5	26.34	-5,453.9	58.7	697.4	576.6	120.81	5.773	
16,342.1	10,725.0	15,693.5	10,098.7	99.9	99.1	26.27	-5,490.1	59.8	697.2	575.8	121.44	5.741	
16,400.0	10,725.0	15,743.8	10,097.8	100.8	99.8	26.14	-5,540.4	61.3	697.6	575.3	122.26	5.705	
16,500.0	10,725.0	15,831.8	10,094.9	102.3	101.2	25.88	-5,628.3	64.0	699.5	575.9	123.58	5.660	
16,600.0	10,725.0	15,922.4	10,090.0	103.8	102.6	25.54	-5,718.7	66.9	703.2	578.4	124.77	5.636	
16,700.0	10,725.0	16,045.6	10,086.1	105.4	104.5	25.25	-5,841.8	69.8	705.2	578.8	126.41	5.579	
16,800.0	10,725.0	16,148.7	10,084.7	106.9	106.1	25.09	-5,944.8	71.9	705.8	577.8	128.05	5.512	
16,900.0	10,725.0	16,249.8	10,083.7	108.4	107.7	24.94	-6,045.9	74.1	706.2	576.5	129.68	5.445	
17,000.0	10,725.0	16,351.5	10,082.8	110.0	109.3	24.81	-6,147.6	76.1	706.4	575.0	131.35	5.378	
17,100.0	10,725.0	16,452.8	10,083.6	111.5	110.9	24.95	-6,248.9	75.2	706.3	572.8	133.51	5.290	
17,142.8	10,725.0	16,495.8	10,084.2	112.2	111.5	25.04	-6,291.8	74.4	706.2	571.7	134.51	5.250	
17,200.0	10,725.0	16,542.4	10,084.5	113.1	112.3	25.17	-6,338.4	73.2	706.6	570.9	135.74	5.206	
17,300.0	10,725.0	16,627.3	10,083.9	114.6	113.6	25.41	-6,423.3	70.1	709.1	571.1	137.95	5.140	
17,400.0	10,725.0	16,726.3	10,081.7	116.2	115.1	25.69	-6,522.2	65.9	713.2	572.8	140.39	5.080	
17,500.0	10,725.0	16,835.7	10,081.2	117.8	116.8	26.08	-6,631.4	60.9	715.9	572.6	143.22	4.998	
17,600.0	10,725.0	16,929.9	10,081.0	119.3	118.3	26.43	-6,725.5	56.5	718.4	572.6	145.80	4.927	
17,700.0	10,725.0	17,018.3	10,079.8	120.9	119.7	26.76	-6,813.9	51.8	722.3	574.0	148.27	4.872	
17,800.0	10,725.0	17,116.3	10,076.6	122.5	121.2	27.00	-6,911.6	47.4	727.5	576.8	150.69	4.828	
17,900.0	10,725.0	17,204.9	10,072.3	124.0	122.6	26.98	-7,000.2	46.1	732.8	580.4	152.41	4.808	
18,000.0	10,725.0	17,290.9	10,065.3	125.6	123.9	26.81	-7,085.9	45.6	740.6	586.9	153.73	4.818	
18,100.0	10,725.0	17,397.6	10,055.5	127.2	125.6	26.47	-7,192.1	46.3	748.8	593.7	155.09	4.828	
18,200.0	10,725.0	17,570.9	10,046.6	128.8	128.4	25.97	-7,365.0	50.2	753.6	596.8	156.87	4.804	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
18,300.0	10,725.0	17,662.8	10,047.2	130.3	129.8	25.91	-7,456.9	52.0	752.5	593.8	158.62	4.744	
18,400.0	10,725.0	17,782.2	10,049.9	131.9	131.7	25.84	-7,576.3	55.1	749.5	589.0	160.51	4.670	
18,500.0	10,725.0	17,876.1	10,052.4	133.5	133.2	25.76	-7,670.1	58.1	746.0	583.7	162.26	4.598	
18,600.0	10,725.0	17,993.9	10,054.3	135.1	135.1	25.58	-7,787.8	62.2	743.5	579.7	163.83	4.538	
18,700.0	10,725.0	18,109.4	10,061.5	136.7	137.0	25.44	-7,902.8	68.5	735.6	570.2	165.40	4.447	
18,800.0	10,725.0	18,209.9	10,067.3	138.2	138.6	25.28	-8,003.0	74.1	728.3	561.4	166.96	4.362	
18,900.0	10,725.0	18,283.8	10,070.6	139.8	139.8	25.11	-8,076.7	78.4	722.2	553.6	168.56	4.284	
19,000.0	10,725.0	18,355.5	10,071.0	141.4	140.9	24.97	-8,148.4	81.1	720.3	550.3	170.02	4.237	
19,002.6	10,725.0	18,357.6	10,070.9	141.5	140.9	24.96	-8,150.5	81.1	720.3	550.3	170.06	4.236	
19,100.0	10,725.0	18,441.7	10,068.8	143.0	142.3	24.74	-8,234.5	83.7	721.6	550.3	171.29	4.213	
19,200.0	10,725.0	18,548.1	10,067.0	144.6	144.0	24.61	-8,340.9	85.4	722.7	549.7	172.95	4.178	
19,300.0	10,725.0	18,639.4	10,065.7	146.2	145.4	24.59	-8,432.2	85.6	724.1	549.4	174.75	4.144	
19,400.0	10,725.0	18,733.2	10,062.8	147.8	146.9	24.53	-8,525.9	85.8	727.1	550.7	176.43	4.121	
19,500.0	10,725.0	18,865.3	10,062.2	149.4	149.1	24.66	-8,657.9	84.5	728.3	549.3	179.01	4.069	
19,600.0	10,725.0	18,975.4	10,066.6	151.0	150.8	25.01	-8,768.0	82.4	725.7	543.8	181.87	3.990	
19,700.0	10,725.0	19,070.0	10,070.3	152.6	152.3	25.30	-8,862.5	80.6	723.2	538.6	184.55	3.919	
19,800.0	10,725.0	19,161.1	10,073.1	154.2	153.8	25.59	-8,953.5	78.4	721.8	534.5	187.21	3.855	
19,864.1	10,725.0	19,219.7	10,074.3	155.2	154.7	25.79	-9,012.1	76.7	721.5	532.6	188.95	3.819	
19,900.0	10,725.0	19,252.7	10,074.9	155.8	155.2	25.90	-9,045.1	75.6	721.6	531.7	189.93	3.799	
20,000.0	10,725.0	19,345.8	10,075.9	157.4	156.7	26.21	-9,138.0	72.2	722.5	529.8	192.67	3.750	
20,100.0	10,725.0	19,452.0	10,076.2	159.0	158.4	26.48	-9,244.2	69.4	723.7	528.3	195.43	3.703	
20,200.0	10,725.0	19,548.4	10,076.1	160.6	160.0	26.55	-9,340.7	68.9	724.3	526.7	197.58	3.666	
20,300.0	10,725.0	19,636.0	10,074.9	162.2	161.4	26.58	-9,428.3	68.4	726.1	526.6	199.51	3.639	
20,400.0	10,725.0	19,749.4	10,072.4	163.8	163.2	26.56	-9,541.6	68.1	728.5	526.9	201.61	3.613	
20,500.0	10,725.0	19,845.7	10,070.8	165.4	164.7	26.42	-9,637.9	70.0	729.4	526.3	203.16	3.590	
20,600.0	10,725.0	19,939.1	10,068.1	167.0	166.2	26.22	-9,731.2	72.1	731.3	526.8	204.49	3.576	
20,700.0	10,725.0	20,035.2	10,064.5	168.6	167.8	25.96	-9,827.2	74.6	733.9	528.2	205.67	3.568	
20,800.0	10,725.0	20,129.6	10,060.4	170.2	169.3	25.72	-9,921.5	76.6	737.0	530.2	206.87	3.563	
20,846.3	10,725.0	20,171.4	10,058.4	171.0	170.0	25.62	-9,963.2	77.3	738.8	531.4	207.41	3.562	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	-90.43	-1.3	-170.1	170.1				
100.0	100.0	97.0	97.0	0.1	0.1	-90.47	-1.4	-170.1	170.1	169.8	0.27	618.600	
200.0	200.0	197.1	197.1	0.5	0.3	-90.61	-1.8	-170.0	170.1	169.3	0.78	216.691	CC
215.4	215.4	212.4	212.4	0.5	0.4	-90.64	-1.9	-170.0	170.1	169.1	0.93	183.594	
300.0	300.0	296.8	296.8	0.8	0.7	-90.79	-2.3	-170.1	170.1	168.6	1.53	111.048	
400.0	400.0	396.4	396.4	1.2	1.0	-90.99	-2.9	-170.3	170.3	168.1	2.25	75.812	
500.0	500.0	496.3	496.3	1.6	1.4	-91.20	-3.6	-170.7	170.8	167.8	2.96	57.640	
600.0	600.0	596.2	596.2	1.9	1.8	-91.38	-4.1	-171.1	171.2	167.5	3.68	46.551	
700.0	700.0	695.3	695.3	2.3	2.1	-91.50	-4.5	-171.8	171.9	167.5	4.39	39.171	ES
800.0	800.0	794.5	794.5	2.6	2.5	-91.69	-5.1	-173.0	173.1	168.0	5.10	33.950	
900.0	900.0	893.8	893.8	3.0	2.8	-91.84	-5.6	-174.6	174.8	169.0	5.81	30.080	
1,000.0	1,000.0	993.4	993.3	3.4	3.2	-91.94	-6.0	-176.6	176.8	170.2	6.52	27.107	
1,100.0	1,100.0	1,093.4	1,093.3	3.7	3.5	-91.92	-6.0	-178.6	178.8	171.5	7.23	24.714	
1,200.0	1,200.0	1,193.1	1,193.0	4.1	3.9	-91.95	-6.2	-180.9	181.1	173.1	7.94	22.793	
1,300.0	1,300.0	1,294.2	1,294.1	4.4	4.2	-107.19	-6.0	-182.8	183.1	174.5	8.66	21.146	
1,400.0	1,400.0	1,394.1	1,393.9	4.8	4.6	-107.75	-5.5	-184.3	185.5	176.1	9.37	19.794	
1,500.0	1,499.9	1,494.5	1,494.4	5.1	4.9	-108.65	-4.5	-185.9	188.4	178.3	10.08	18.692	
1,600.0	1,599.7	1,595.1	1,594.9	5.5	5.3	-109.79	-2.6	-187.2	191.5	180.7	10.78	17.757	
1,700.0	1,699.4	1,692.9	1,692.6	5.9	5.6	-110.85	0.8	-188.8	195.6	184.1	11.48	17.035	
1,800.0	1,798.9	1,791.9	1,791.4	6.2	6.0	-111.59	6.6	-191.6	201.2	189.0	12.19	16.507	
1,900.0	1,898.3	1,890.6	1,889.9	6.6	6.3	-112.57	12.9	-194.8	207.9	195.0	12.90	16.114	
2,000.0	1,997.4	1,989.8	1,988.8	7.0	6.7	-113.98	18.9	-198.3	215.7	202.1	13.62	15.833	
2,100.0	2,096.4	2,088.8	2,087.6	7.3	7.0	-115.64	24.5	-201.9	224.2	209.8	14.35	15.625	
2,200.0	2,195.5	2,188.4	2,187.0	7.7	7.4	-117.27	29.9	-205.6	232.9	217.9	15.08	15.447	
2,300.0	2,294.5	2,288.4	2,286.8	8.1	7.7	-118.71	35.6	-209.0	241.6	225.8	15.82	15.273	
2,400.0	2,393.5	2,386.3	2,384.5	8.5	8.1	-119.98	41.3	-212.7	250.7	234.1	16.55	15.149	
2,500.0	2,492.5	2,485.5	2,483.4	8.9	8.5	-121.29	46.5	-216.7	260.3	243.0	17.29	15.057	
2,600.0	2,591.6	2,586.0	2,583.8	9.3	8.8	-122.64	51.3	-220.4	269.8	251.7	18.03	14.961	
2,700.0	2,690.6	2,686.5	2,684.1	9.7	9.2	-124.01	55.7	-223.5	279.0	260.2	18.78	14.856	
2,800.0	2,789.6	2,786.2	2,783.7	10.1	9.5	-125.45	59.4	-226.0	288.1	268.6	19.52	14.760	
2,900.0	2,888.6	2,885.7	2,883.1	10.5	9.9	-126.89	62.7	-228.3	297.2	277.0	20.26	14.675	
3,000.0	2,987.7	2,985.8	2,983.1	10.9	10.3	-128.07	66.9	-230.8	306.5	285.5	21.00	14.596	
3,100.0	3,086.7	3,087.1	3,084.3	11.3	10.6	-129.05	72.1	-233.3	315.4	293.7	21.75	14.504	
3,200.0	3,185.7	3,188.0	3,184.9	11.7	11.0	-129.97	77.5	-235.3	323.9	301.4	22.50	14.396	
3,300.0	3,284.8	3,287.8	3,284.4	12.1	11.4	-130.44	85.0	-238.0	332.1	308.9	23.25	14.287	
3,400.0	3,383.8	3,387.3	3,383.6	12.5	11.7	-130.75	93.2	-241.1	340.4	316.4	24.00	14.185	
3,500.0	3,482.8	3,487.1	3,483.1	12.9	12.1	-131.30	100.0	-243.5	348.7	324.0	24.75	14.091	
3,600.0	3,581.8	3,588.6	3,584.4	13.3	12.5	-131.93	106.6	-245.4	356.8	331.3	25.50	13.991	
3,700.0	3,680.9	3,688.7	3,684.1	13.7	12.8	-132.30	114.4	-247.6	364.5	338.3	26.26	13.884	
3,744.5	3,724.9	3,733.1	3,728.4	13.9	13.0	-132.46	117.9	-248.6	368.0	341.4	26.59	13.838	
3,800.0	3,779.9	3,788.6	3,783.8	14.1	13.2	-132.77	121.7	-249.4	371.9	344.9	27.01	13.772	
3,900.0	3,879.3	3,888.3	3,883.3	14.5	13.5	-133.31	127.0	-250.1	377.8	350.0	27.74	13.617	
4,000.0	3,978.9	3,986.5	3,981.4	14.9	13.9	-133.61	131.6	-250.9	382.0	353.6	28.46	13.422	
4,100.0	4,078.8	4,085.1	4,079.9	15.3	14.3	-133.65	135.9	-251.8	384.9	355.7	29.18	13.191	
4,200.0	4,178.7	4,183.8	4,178.5	15.6	14.6	-133.47	139.6	-252.8	386.3	356.4	29.89	12.924	
4,277.8	4,256.5	4,260.2	4,254.9	15.9	14.9	-118.12	142.1	-253.6	386.4	356.0	30.44	12.697	
4,300.0	4,278.7	4,282.6	4,277.2	16.0	15.0	-117.99	142.9	-254.0	386.3	355.7	30.60	12.627	
4,400.0	4,378.7	4,383.0	4,377.3	16.3	15.3	-116.81	150.2	-257.3	385.9	354.6	31.32	12.320	
4,500.0	4,478.7	4,483.2	4,477.0	16.6	15.7	-115.30	159.5	-261.4	385.5	353.4	32.06	12.024	
4,600.0	4,578.7	4,583.2	4,576.5	17.0	16.1	-113.78	168.9	-265.4	385.3	352.5	32.80	11.746	
4,695.8	4,674.4	4,678.7	4,671.4	17.3	16.5	-112.32	178.0	-269.1	385.1	351.6	33.50	11.494	
4,700.0	4,678.7	4,682.8	4,675.6	17.3	16.5	-112.25	178.4	-269.2	385.1	351.6	33.53	11.484	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,800.0	4,778.7	4,782.0	4,774.3	17.7	16.8	-110.77	187.5	-273.1	385.4	351.1	34.27	11.246	
4,900.0	4,878.7	4,881.8	4,873.6	18.0	17.2	-109.30	196.7	-276.9	385.8	350.8	35.00	11.022	
5,000.0	4,978.7	4,980.3	4,971.6	18.3	17.6	-107.85	205.7	-280.7	386.6	350.8	35.73	10.820	
5,100.0	5,078.7	5,078.8	5,069.6	18.7	18.0	-106.45	214.3	-284.8	387.9	351.5	36.45	10.642	
5,200.0	5,178.7	5,178.4	5,168.8	19.0	18.3	-105.13	222.5	-288.9	389.6	352.4	37.18	10.479	
5,300.0	5,278.7	5,278.9	5,268.9	19.4	18.7	-103.83	230.6	-292.8	391.4	353.5	37.91	10.323	
5,400.0	5,378.7	5,377.7	5,367.3	19.7	19.1	-102.56	238.7	-296.6	393.3	354.6	38.63	10.179	
5,500.0	5,478.7	5,476.7	5,465.9	20.1	19.5	-101.30	246.7	-300.6	395.6	356.3	39.36	10.052	
5,600.0	5,578.7	5,576.2	5,565.0	20.4	19.8	-100.07	254.6	-304.8	398.2	358.1	40.08	9.935	
5,700.0	5,678.7	5,677.2	5,665.6	20.7	20.2	-98.85	262.5	-308.8	400.8	360.0	40.81	9.821	
5,800.0	5,778.7	5,776.0	5,764.0	21.1	20.6	-97.68	270.3	-312.6	403.5	362.0	41.53	9.716	
5,900.0	5,878.7	5,874.1	5,861.7	21.4	21.0	-96.58	277.6	-316.6	406.7	364.5	42.24	9.628	
6,000.0	5,978.7	5,974.2	5,961.5	21.8	21.4	-95.54	284.6	-320.8	410.2	367.2	42.97	9.546	
6,100.0	6,078.7	6,073.2	6,060.2	22.1	21.7	-94.55	291.4	-325.0	413.8	370.1	43.68	9.474	
6,200.0	6,178.7	6,174.6	6,161.3	22.5	22.1	-93.59	298.1	-329.1	417.4	373.0	44.41	9.398	
6,300.0	6,278.7	6,273.2	6,259.6	22.8	22.5	-92.70	304.4	-333.0	421.0	375.9	45.12	9.330	
6,400.0	6,378.7	6,371.6	6,357.7	23.2	22.8	-91.84	310.5	-337.3	425.1	379.3	45.82	9.277	
6,500.0	6,478.7	6,473.7	6,459.6	23.5	23.2	-91.06	316.3	-341.5	429.1	382.5	46.56	9.216	
6,600.0	6,578.7	6,574.6	6,560.3	23.9	23.6	-90.29	322.0	-345.2	432.7	385.4	47.28	9.152	
6,700.0	6,678.7	6,674.2	6,659.6	24.2	24.0	-89.54	327.7	-348.8	436.3	388.3	47.99	9.091	
6,800.0	6,778.7	6,774.4	6,759.6	24.6	24.3	-88.86	332.9	-352.5	440.1	391.3	48.70	9.035	
6,900.0	6,878.7	6,874.8	6,859.8	24.9	24.7	-88.28	337.5	-355.9	443.6	394.1	49.42	8.975	
7,000.0	6,978.7	6,974.1	6,959.0	25.3	25.1	-87.76	341.6	-359.4	447.3	397.1	50.12	8.923	
7,100.0	7,078.7	7,075.2	7,060.0	25.6	25.4	-87.35	345.0	-363.0	450.9	400.1	50.84	8.869	
7,200.0	7,178.7	7,176.9	7,161.6	26.0	25.8	-87.01	347.9	-366.2	454.2	402.6	51.56	8.809	
7,300.0	7,278.7	7,278.2	7,262.8	26.3	26.2	-86.73	350.3	-369.0	457.1	404.9	52.27	8.745	
7,400.0	7,378.7	7,377.3	7,361.8	26.7	26.5	-86.46	352.5	-371.7	460.0	407.0	52.97	8.684	
7,500.0	7,478.7	7,480.8	7,465.3	27.0	26.9	-86.25	354.5	-374.4	462.7	409.0	53.70	8.618	
7,600.0	7,578.7	7,578.6	7,563.0	27.4	27.2	-86.07	356.1	-376.7	465.2	410.8	54.39	8.553	
7,700.0	7,678.7	7,682.5	7,666.9	27.7	27.6	-85.95	357.2	-379.1	467.5	412.4	55.11	8.483	
7,800.0	7,778.7	7,780.2	7,764.6	28.1	28.0	-85.89	357.8	-381.2	469.7	413.9	55.80	8.418	
7,900.0	7,878.7	7,883.6	7,868.0	28.4	28.3	-85.84	358.4	-383.2	471.7	415.2	56.52	8.345	
8,000.0	7,978.7	7,983.7	7,968.0	28.8	28.7	-85.85	358.4	-384.8	473.3	416.0	57.22	8.271	
8,100.0	8,078.7	8,082.3	8,066.6	29.1	29.0	-85.87	358.4	-386.6	475.1	417.2	57.91	8.203	
8,200.0	8,178.7	8,181.8	8,166.2	29.5	29.3	-85.90	358.3	-388.5	477.0	418.4	58.61	8.139	
8,300.0	8,278.7	8,280.4	8,264.7	29.8	29.7	-85.96	358.0	-390.6	479.1	419.8	59.30	8.080	
8,400.0	8,378.7	8,383.0	8,367.3	30.2	30.0	-85.94	358.2	-392.9	481.4	421.4	60.01	8.021	
8,500.0	8,478.7	8,485.3	8,469.6	30.5	30.4	-85.82	359.4	-394.1	482.6	421.9	60.73	7.948	
8,600.0	8,578.7	8,581.0	8,565.3	30.9	30.7	-85.70	360.5	-395.6	484.3	422.8	61.42	7.885	
8,700.0	8,678.7	8,677.5	8,661.7	31.2	31.1	-85.59	361.6	-398.0	486.9	424.8	62.10	7.840	
8,800.0	8,778.7	8,776.8	8,761.0	31.6	31.4	-85.57	362.0	-401.0	489.9	427.0	62.80	7.800	
8,900.0	8,878.7	8,884.4	8,868.6	32.0	31.8	-85.46	363.1	-403.6	492.4	428.8	63.55	7.748	
9,000.0	8,978.7	8,986.1	8,970.2	32.3	32.2	-85.30	364.6	-404.6	493.4	429.2	64.26	7.679	
9,100.0	9,078.7	9,083.5	9,067.6	32.7	32.5	-85.29	364.8	-405.9	494.8	429.8	64.95	7.618	
9,200.0	9,178.7	9,181.2	9,165.3	33.0	32.9	-85.36	364.3	-407.7	496.7	431.0	65.64	7.566	
9,300.0	9,278.7	9,279.7	9,263.7	33.4	33.2	-85.49	363.4	-410.0	498.9	432.6	66.33	7.522	
9,400.0	9,378.7	9,376.0	9,360.0	33.7	33.5	-85.65	362.2	-412.8	501.7	434.7	67.01	7.487	
9,500.0	9,478.7	9,478.8	9,462.7	34.1	33.9	-85.85	360.7	-415.9	504.5	436.8	67.72	7.450	
9,600.0	9,578.7	9,581.6	9,565.5	34.4	34.2	-86.04	359.2	-418.4	506.9	438.5	68.43	7.408	
9,700.0	9,678.7	9,691.8	9,675.7	34.8	34.6	-86.34	356.6	-419.8	508.0	438.9	69.15	7.346	
9,800.0	9,778.7	9,800.4	9,784.3	35.1	34.9	-86.34	356.5	-418.5	506.8	436.9	69.85	7.255	
9,900.0	9,878.7	9,900.0	9,883.9	35.5	35.3	-86.16	358.0	-416.8	505.2	434.6	70.54	7.162	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
10,000.0	9,978.7	9,995.5	9,979.3	35.8	35.6	-86.04	359.0	-415.3	503.7	432.5	71.23	7.072	
10,038.3	10,017.0	10,030.2	10,014.0	36.0	35.7	-86.00	359.4	-415.2	503.6	432.1	71.49	7.045	
10,100.0	10,078.7	10,089.1	10,072.9	36.2	35.9	-85.92	360.0	-415.3	503.8	431.9	71.92	7.006	
10,173.3	10,152.0	10,163.0	10,146.8	36.5	36.2	-85.84	360.7	-415.8	504.3	431.9	72.43	6.962	
10,200.0	10,178.7	10,192.0	10,175.8	36.5	36.3	109.52	360.9	-415.9	504.6	432.0	72.62	6.948	
10,250.0	10,228.5	10,246.2	10,230.0	36.7	36.5	109.93	360.9	-415.6	505.9	432.9	72.95	6.935	
10,300.0	10,277.7	10,292.5	10,276.3	36.8	36.6	110.51	360.7	-415.4	508.8	435.5	73.24	6.946	
10,350.0	10,325.9	10,340.4	10,324.2	37.0	36.8	111.34	360.2	-415.4	513.5	439.9	73.52	6.984	
10,400.0	10,372.8	10,389.0	10,372.8	37.1	36.9	112.39	359.6	-415.3	520.0	446.2	73.79	7.047	
10,450.0	10,418.1	10,435.4	10,419.2	37.2	37.1	113.52	358.8	-415.1	528.7	454.6	74.04	7.140	
10,500.0	10,461.3	10,478.0	10,461.7	37.3	37.2	114.56	358.1	-414.9	539.8	465.6	74.27	7.268	
10,550.0	10,502.1	10,518.3	10,502.0	37.4	37.4	115.47	357.4	-414.8	553.8	479.3	74.48	7.435	
10,600.0	10,540.3	10,556.2	10,539.9	37.5	37.5	116.16	356.6	-414.9	570.8	496.1	74.67	7.644	
10,650.0	10,575.6	10,591.4	10,575.1	37.6	37.6	116.54	355.9	-415.0	590.9	516.1	74.85	7.895	
10,700.0	10,607.6	10,623.4	10,607.1	37.7	37.7	116.47	355.1	-415.1	614.3	539.3	75.00	8.190	
10,750.0	10,636.1	10,651.6	10,635.4	37.8	37.8	115.85	354.4	-415.3	640.9	565.7	75.14	8.529	
10,800.0	10,661.0	10,676.3	10,660.0	37.9	37.9	114.57	353.9	-415.6	670.5	595.3	75.26	8.910	
10,850.0	10,682.0	10,697.3	10,681.0	38.0	37.9	112.52	353.4	-415.8	703.1	627.7	75.35	9.331	
10,900.0	10,698.9	10,714.6	10,698.3	38.1	38.0	109.58	353.0	-416.0	738.2	662.8	75.43	9.788	
10,950.0	10,711.7	10,728.3	10,712.0	38.2	38.0	105.62	352.7	-416.1	775.7	700.2	75.48	10.276	
11,000.0	10,720.3	11,000.0	11,261.7	38.3	38.9	143.51	120.0	-311.0	809.1	749.4	59.74	13.544	
11,050.0	10,724.5	11,643.3	11,377.1	38.5	40.1	145.68	-126.4	-259.1	823.2	769.6	53.54	15.374	
11,073.3	10,725.0	11,662.1	11,381.1	38.5	40.1	145.35	-144.6	-256.8	828.7	775.0	53.69	15.435	
11,100.0	10,725.0	11,683.5	11,385.4	38.6	40.2	145.22	-165.4	-254.7	835.5	781.6	53.86	15.512	
11,200.0	10,725.0	11,785.8	11,402.9	39.0	40.5	144.42	-266.2	-249.7	860.2	805.7	54.50	15.784	
11,300.0	10,725.0	11,928.9	11,415.2	39.4	40.9	143.01	-408.6	-249.9	879.3	823.8	55.55	15.830	
11,400.0	10,725.0	12,035.5	11,419.4	39.8	41.3	141.89	-515.1	-252.2	894.2	837.4	56.86	15.727	
11,500.0	10,725.0	12,153.2	11,420.6	40.4	41.8	140.81	-632.8	-255.3	905.1	846.8	58.33	15.516	
11,600.0	10,725.0	12,253.0	11,419.8	40.9	42.3	140.02	-732.5	-258.4	912.9	853.2	59.71	15.289	
11,700.0	10,725.0	12,348.0	11,420.2	41.6	42.8	139.54	-827.5	-260.5	918.9	858.0	60.91	15.086	
11,800.0	10,725.0	12,458.1	11,421.5	42.2	43.5	139.32	-937.6	-261.8	922.6	860.5	62.14	14.847	
11,820.3	10,725.0	12,481.8	11,421.5	42.3	43.7	139.29	-961.3	-262.0	922.9	860.5	62.40	14.790	
11,900.0	10,725.0	12,560.9	11,421.3	42.9	44.2	139.21	-1,040.4	-263.1	923.8	860.4	63.34	14.584	
12,000.0	10,725.0	12,653.5	11,421.6	43.7	44.9	139.14	-1,132.9	-264.2	925.2	860.7	64.49	14.346	
12,100.0	10,725.0	12,759.1	11,422.7	44.4	45.7	139.13	-1,238.5	-264.8	926.8	861.0	65.80	14.085	
12,200.0	10,725.0	12,864.8	11,424.2	45.3	46.6	139.20	-1,344.2	-264.0	927.7	860.6	67.12	13.821	
12,300.0	10,725.0	12,975.1	11,424.9	46.2	47.5	139.26	-1,454.5	-262.6	927.8	859.2	68.57	13.530	
12,400.0	10,725.0	13,080.3	11,424.6	47.1	48.5	139.30	-1,559.6	-260.7	926.8	856.7	70.05	13.231	
12,500.0	10,725.0	13,181.2	11,426.2	48.1	49.5	139.52	-1,660.5	-256.8	925.9	854.5	71.36	12.974	
12,600.0	10,725.0	13,299.3	11,426.6	49.1	50.7	139.73	-1,778.5	-252.0	924.0	851.0	72.98	12.660	
12,700.0	10,725.0	13,395.8	11,424.5	50.1	51.7	139.76	-1,874.9	-249.0	920.7	846.2	74.50	12.358	
12,800.0	10,725.0	13,484.6	11,422.4	51.2	52.6	139.70	-1,963.7	-248.0	918.6	842.6	76.03	12.082	
12,900.0	10,725.0	13,579.3	11,421.7	52.3	53.6	139.70	-2,058.4	-246.7	917.5	839.9	77.63	11.819	
13,000.0	10,725.0	13,671.8	11,420.7	53.4	54.7	139.65	-2,150.9	-246.3	916.9	837.6	79.28	11.565	
13,010.6	10,725.0	13,681.4	11,420.7	53.5	54.8	139.65	-2,160.5	-246.2	916.9	837.4	79.44	11.541	
13,100.0	10,725.0	13,766.9	11,421.5	54.6	55.7	139.71	-2,245.9	-245.2	917.1	836.2	80.90	11.337	
13,200.0	10,725.0	13,880.8	11,422.1	55.7	57.1	139.77	-2,359.9	-243.7	917.1	834.2	82.86	11.069	
13,263.3	10,725.0	13,934.0	11,421.1	56.5	57.7	139.71	-2,413.0	-243.7	916.6	832.7	83.90	10.925	
13,300.0	10,725.0	13,960.4	11,420.8	56.9	58.0	139.67	-2,439.4	-244.1	916.8	832.3	84.44	10.857	
13,400.0	10,725.0	14,033.0	11,421.0	58.2	58.9	139.55	-2,511.9	-246.4	919.4	833.5	85.95	10.697	
13,500.0	10,725.0	14,113.3	11,424.1	59.4	59.9	139.52	-2,592.1	-249.1	924.9	837.4	87.51	10.569	
13,600.0	10,725.0	14,216.6	11,428.7	60.7	61.1	139.51	-2,695.3	-252.7	930.9	841.4	89.48	10.403	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,700.0	10,725.0	14,315.4	11,431.9	62.0	62.4	139.40	-2,794.0	-257.2	936.7	845.2	91.51	10.236	
13,800.0	10,725.0	14,415.1	11,435.3	63.3	63.6	139.28	-2,893.5	-262.0	942.9	849.3	93.59	10.074	
13,900.0	10,725.0	14,516.1	11,437.9	64.6	64.9	139.12	-2,994.3	-267.2	948.6	852.8	95.78	9.904	
14,000.0	10,725.0	14,608.3	11,440.5	65.9	66.1	138.96	-3,086.4	-272.4	954.8	857.0	97.83	9.761	
14,100.0	10,725.0	14,734.4	11,443.3	67.3	67.8	138.67	-3,212.1	-280.3	961.2	860.6	100.69	9.547	
14,200.0	10,725.0	14,873.5	11,439.7	68.6	69.6	138.21	-3,351.0	-286.6	962.6	858.6	104.02	9.254	
14,300.0	10,725.0	14,975.5	11,438.8	70.0	71.0	138.15	-3,453.0	-286.6	962.4	856.2	106.23	9.060	
14,400.0	10,725.0	15,077.9	11,438.6	71.4	72.4	138.15	-3,555.4	-285.7	962.0	853.7	108.37	8.877	
14,500.0	10,725.0	15,178.2	11,437.6	72.8	73.8	138.11	-3,655.7	-285.0	961.3	850.7	110.56	8.695	
14,567.1	10,725.0	15,239.7	11,437.2	73.7	74.7	138.09	-3,717.2	-284.8	961.1	849.2	111.93	8.587	
14,600.0	10,725.0	15,268.0	11,437.2	74.2	75.0	138.09	-3,745.5	-284.7	961.2	848.6	112.56	8.539	
14,700.0	10,725.0	15,372.1	11,438.2	75.6	76.5	138.12	-3,849.6	-284.3	962.0	847.3	114.75	8.384	
14,800.0	10,725.0	15,492.6	11,438.3	77.0	78.2	138.23	-3,970.0	-281.0	960.7	843.5	117.12	8.202	
14,900.0	10,725.0	15,588.4	11,436.8	78.5	79.6	138.22	-4,065.8	-279.2	958.6	839.4	119.25	8.039	
15,000.0	10,725.0	15,681.5	11,436.8	79.9	80.9	138.30	-4,158.9	-276.9	957.4	836.2	121.21	7.898	
15,100.0	10,725.0	15,777.4	11,437.7	81.3	82.3	138.43	-4,254.8	-274.2	956.7	833.6	123.16	7.768	
15,200.0	10,725.0	15,873.9	11,438.5	82.8	83.7	138.52	-4,351.2	-272.3	956.4	831.2	125.17	7.641	
15,231.5	10,725.0	15,904.3	11,438.8	83.3	84.1	138.55	-4,381.6	-271.7	956.4	830.6	125.81	7.602	
15,300.0	10,725.0	15,964.4	11,440.2	84.3	85.0	138.65	-4,441.7	-270.2	956.7	829.7	127.02	7.532	
15,400.0	10,725.0	16,097.6	11,443.0	85.7	87.0	138.94	-4,574.8	-265.5	956.6	827.2	129.40	7.392	
15,500.0	10,725.0	16,177.0	11,442.8	87.2	88.2	138.98	-4,654.1	-263.8	955.3	824.1	131.20	7.281	
15,600.0	10,725.0	16,293.9	11,439.2	88.7	89.9	138.77	-4,770.9	-264.7	953.9	819.9	134.07	7.115	
15,700.0	10,725.0	16,392.7	11,434.2	90.2	91.3	138.45	-4,869.5	-266.6	951.8	815.0	136.80	6.957	
15,800.0	10,725.0	16,485.0	11,430.3	91.7	92.7	138.21	-4,961.8	-268.0	950.0	810.6	139.33	6.818	
15,860.0	10,725.0	16,533.3	11,428.5	92.6	93.4	138.07	-5,010.0	-269.2	949.6	808.9	140.71	6.749	
15,900.0	10,725.0	16,570.2	11,427.1	93.2	94.0	137.94	-5,046.9	-270.7	949.8	808.0	141.78	6.699	
16,000.0	10,725.0	16,714.3	11,420.6	94.7	96.1	137.62	-5,190.8	-271.0	946.6	801.3	145.34	6.513	
16,100.0	10,725.0	16,815.6	11,416.6	96.2	97.7	137.56	-5,292.0	-268.1	942.2	794.4	147.78	6.375	
16,200.0	10,725.0	16,916.4	11,414.0	97.7	99.2	137.63	-5,392.6	-263.6	937.7	787.7	149.99	6.251	
16,300.0	10,725.0	17,021.1	11,414.4	99.2	100.8	138.00	-5,497.0	-255.1	932.9	781.2	151.74	6.148	
16,400.0	10,725.0	17,094.5	11,415.2	100.8	101.9	138.27	-5,570.1	-249.4	929.0	775.9	153.17	6.065	
16,500.0	10,725.0	17,176.4	11,417.7	102.3	103.2	138.55	-5,651.9	-245.1	928.3	773.6	154.66	6.002	
16,567.5	10,725.0	17,242.0	11,420.3	103.3	104.2	138.80	-5,717.4	-241.5	928.1	772.4	155.72	5.960	
16,600.0	10,725.0	17,269.3	11,421.4	103.8	104.6	138.89	-5,744.6	-240.3	928.2	772.0	156.20	5.942	
16,700.0	10,725.0	17,366.1	11,423.9	105.4	106.1	139.05	-5,841.3	-238.6	929.4	771.2	158.16	5.876	
16,800.0	10,725.0	17,483.2	11,423.0	106.9	107.9	138.97	-5,958.4	-238.8	929.3	768.4	160.96	5.774	
16,900.0	10,725.0	17,601.9	11,421.4	108.4	109.7	138.98	-6,077.1	-236.5	927.5	763.9	163.58	5.670	
17,000.0	10,725.0	17,704.3	11,418.9	110.0	111.3	138.97	-6,179.5	-233.8	924.3	758.4	165.96	5.570	
17,100.0	10,725.0	17,793.0	11,418.1	111.5	112.6	139.06	-6,268.1	-230.6	921.7	753.8	167.93	5.489	
17,200.0	10,725.0	17,890.7	11,419.3	113.1	114.2	139.30	-6,365.7	-225.9	919.9	750.2	169.73	5.420	
17,300.0	10,725.0	17,996.3	11,418.8	114.6	115.8	139.41	-6,471.2	-222.5	917.9	746.0	171.93	5.339	
17,400.0	10,725.0	18,104.3	11,415.9	116.2	117.5	139.34	-6,579.1	-220.7	915.1	740.6	174.52	5.244	
17,500.0	10,725.0	18,210.8	11,412.3	117.8	119.1	139.29	-6,685.6	-218.2	911.5	734.4	177.08	5.148	
17,600.0	10,725.0	18,306.5	11,410.3	119.3	120.6	139.37	-6,781.1	-214.1	907.5	728.3	179.18	5.065	
17,700.0	10,725.0	18,392.1	11,409.3	120.9	122.0	139.43	-6,866.7	-211.5	905.0	723.8	181.16	4.996	
17,800.0	10,725.0	18,491.4	11,408.1	122.5	123.5	139.45	-6,966.0	-209.4	903.1	719.7	183.44	4.923	
17,900.0	10,725.0	18,591.3	11,409.4	124.0	125.1	139.70	-7,065.8	-204.7	901.5	716.2	185.22	4.867	
18,000.0	10,725.0	18,687.4	11,409.1	125.6	126.6	139.82	-7,161.8	-201.3	899.4	712.2	187.22	4.804	
18,051.6	10,725.0	18,726.9	11,409.1	126.4	127.2	139.83	-7,201.3	-200.8	899.1	710.9	188.16	4.778	
18,100.0	10,725.0	18,768.5	11,409.2	127.2	127.9	139.83	-7,242.9	-200.7	899.3	710.2	189.14	4.755	
18,200.0	10,725.0	18,873.0	11,409.0	128.8	129.5	139.77	-7,347.4	-201.2	899.9	708.2	191.73	4.694	
18,300.0	10,725.0	18,979.1	11,407.5	130.3	131.2	139.64	-7,453.4	-201.9	899.7	705.2	194.50	4.625	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
18,400.0	10,725.0	19,078.8	11,406.8	131.9	132.8	139.59	-7,553.2	-201.6	899.3	702.4	196.95	4.566	
18,500.0	10,725.0	19,183.3	11,404.9	133.5	134.4	139.45	-7,657.6	-202.2	898.7	699.0	199.72	4.500	
18,600.0	10,725.0	19,289.4	11,403.6	135.1	136.1	139.43	-7,763.7	-201.0	897.5	695.2	202.26	4.437	
18,700.0	10,725.0	19,404.5	11,402.4	136.7	137.9	139.50	-7,878.8	-197.7	895.2	690.5	204.69	4.374	
18,800.0	10,725.0	19,521.7	11,400.9	138.2	139.8	139.72	-7,995.8	-191.1	891.0	684.3	206.73	4.310	
18,900.0	10,725.0	19,580.9	11,400.2	139.8	140.7	139.77	-8,054.9	-189.3	888.4	680.0	208.36	4.264	
18,914.8	10,725.0	19,590.3	11,400.1	140.1	140.9	139.76	-8,064.4	-189.3	888.3	679.7	208.61	4.258	
19,000.0	10,725.0	19,674.9	11,398.9	141.4	142.2	139.61	-8,148.9	-190.9	888.8	677.8	211.00	4.212	
19,036.4	10,725.0	19,716.8	11,397.6	142.0	142.8	139.48	-8,190.7	-192.0	888.7	676.4	212.28	4.187	
19,100.0	10,725.0	19,767.5	11,396.4	143.0	143.6	139.35	-8,241.5	-193.5	889.0	675.2	213.86	4.157	
19,200.0	10,725.0	19,857.6	11,395.0	144.6	145.1	139.11	-8,331.5	-196.7	890.6	674.0	216.61	4.111	
19,300.0	10,725.0	19,962.8	11,392.2	146.2	146.7	138.67	-8,436.4	-202.5	892.6	672.4	220.23	4.053	
19,400.0	10,725.0	20,053.5	11,388.6	147.8	148.1	138.21	-8,526.9	-208.4	894.3	670.7	223.60	4.000	
19,500.0	10,725.0	20,151.6	11,387.0	149.4	149.7	137.85	-8,624.8	-213.8	897.3	670.4	226.88	3.955	
19,600.0	10,725.0	20,247.9	11,387.1	151.0	151.2	137.67	-8,721.0	-217.2	900.1	670.4	229.69	3.919	
19,700.0	10,725.0	20,344.8	11,388.3	152.6	152.7	137.55	-8,817.9	-220.1	903.5	671.2	232.33	3.889	
19,800.0	10,725.0	20,437.7	11,391.5	154.2	154.2	137.61	-8,910.8	-221.3	907.4	673.0	234.42	3.871	
19,900.0	10,725.0	20,535.4	11,395.8	155.8	155.8	137.71	-9,008.4	-222.5	911.9	675.4	236.51	3.856	
20,000.0	10,725.0	20,625.4	11,402.4	157.4	157.2	138.01	-9,098.1	-221.3	916.9	679.1	237.77	3.856	
20,100.0	10,725.0	20,751.2	11,410.2	159.0	159.2	138.32	-9,223.7	-220.8	921.8	681.7	240.11	3.839	
20,200.0	10,725.0	20,872.0	11,412.4	160.6	161.2	138.38	-9,344.4	-220.7	923.6	680.7	242.87	3.803	
20,300.0	10,725.0	20,989.8	11,410.4	162.2	163.0	138.24	-9,462.2	-221.3	923.0	677.0	246.05	3.751	
20,400.0	10,725.0	21,102.2	11,408.7	163.8	164.8	138.23	-9,574.5	-219.2	921.0	672.4	248.68	3.704	
20,500.0	10,725.0	21,212.8	11,409.9	165.4	166.6	138.60	-9,684.9	-211.6	917.7	667.6	250.17	3.669	
20,600.0	10,725.0	21,326.4	11,410.5	167.0	168.5	139.03	-9,798.1	-202.5	913.2	661.8	251.47	3.632	
20,700.0	10,725.0	21,444.9	11,408.8	168.6	170.4	139.42	-9,916.1	-192.0	906.8	654.0	252.81	3.587	
20,800.0	10,725.0	21,525.0	11,407.3	170.2	171.7	139.72	-9,995.8	-184.1	899.5	645.3	254.20	3.539	
20,846.2	10,725.0	21,525.0	11,407.3	171.0	171.7	139.72	-9,995.8	-184.1	898.3	643.7	254.63	3.528	
20,846.3	10,725.0	21,525.0	11,407.3	171.0	171.7	139.72	-9,995.8	-184.1	898.3	643.7	254.63	3.528	SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	-78.31	29.0	-140.2	143.2				
100.0	100.0	99.5	99.5	0.1	0.1	-78.25	29.1	-140.0	143.0	142.7	0.27	523.366	
200.0	200.0	199.9	199.9	0.5	0.4	-78.08	29.4	-139.4	142.4	141.6	0.89	160.434	
300.0	300.0	300.2	300.2	0.8	0.8	-77.86	29.8	-138.5	141.7	140.1	1.61	88.246	
400.0	400.0	400.6	400.6	1.2	1.1	-77.62	30.2	-137.4	140.7	138.4	2.32	60.540	
500.0	500.0	500.6	500.5	1.6	1.5	-77.41	30.4	-136.2	139.5	136.5	3.04	45.892	
600.0	600.0	600.2	600.2	1.9	1.8	-77.25	30.6	-135.1	138.5	134.8	3.76	36.889	
700.0	700.0	700.9	700.8	2.3	2.2	-77.11	30.7	-134.0	137.5	133.0	4.47	30.722	
800.0	800.0	800.6	800.6	2.6	2.6	-77.00	30.6	-132.7	136.2	131.0	5.19	26.248	
900.0	900.0	900.3	900.3	3.0	2.9	-76.91	30.6	-131.6	135.2	129.3	5.90	22.892	
1,000.0	1,000.0	999.9	999.9	3.4	3.3	-76.79	30.7	-130.8	134.3	127.7	6.62	20.290	
1,100.0	1,100.0	1,099.1	1,099.1	3.7	3.6	-76.69	30.8	-130.4	134.0	126.7	7.33	18.286	
1,121.0	1,121.0	1,120.0	1,120.0	3.8	3.7	-76.68	30.9	-130.4	134.0	126.5	7.48	17.923	
1,200.0	1,200.0	1,198.8	1,198.8	4.1	4.0	-76.60	31.1	-130.4	134.1	126.1	8.03	16.693	
1,300.0	1,300.0	1,298.9	1,298.8	4.4	4.3	-91.89	31.4	-130.6	134.3	125.6	8.73	15.379	
1,400.0	1,400.0	1,399.0	1,398.9	4.8	4.7	-92.79	31.9	-130.5	134.4	125.0	9.44	14.237	
1,500.0	1,499.9	1,498.6	1,498.5	5.1	5.0	-94.36	32.6	-130.5	134.8	124.7	10.15	13.284	
1,600.0	1,599.7	1,598.3	1,598.2	5.5	5.4	-96.50	33.6	-130.6	135.7	124.9	10.86	12.499	
1,700.0	1,699.4	1,697.9	1,697.8	5.9	5.7	-99.04	35.3	-130.8	137.2	125.6	11.57	11.857	
1,800.0	1,798.9	1,801.1	1,801.0	6.2	6.1	-102.20	37.3	-129.7	138.1	125.8	12.30	11.230	
1,806.6	1,805.5	1,807.9	1,807.8	6.3	6.1	-102.43	37.5	-129.6	138.1	125.7	12.35	11.185	
1,900.0	1,898.3	1,900.8	1,900.7	6.6	6.4	-105.95	39.2	-127.4	138.5	125.5	13.02	10.641	
2,000.0	1,997.4	2,000.2	2,000.0	7.0	6.8	-110.27	41.1	-125.0	140.1	126.4	13.75	10.192	
2,100.0	2,096.4	2,100.2	2,100.0	7.3	7.1	-114.78	43.2	-122.5	142.7	128.2	14.48	9.858	
2,200.0	2,195.5	2,202.9	2,202.5	7.7	7.5	-119.06	46.1	-118.7	144.9	129.6	15.21	9.523	
2,300.0	2,294.5	2,306.1	2,305.5	8.1	7.9	-122.96	50.5	-112.2	144.8	128.8	15.94	9.085	
2,400.0	2,393.5	2,406.5	2,405.4	8.5	8.3	-126.76	55.3	-104.6	144.0	127.4	16.66	8.643	
2,498.2	2,490.8	2,504.3	2,502.8	8.9	8.6	-130.58	59.8	-96.9	143.7	126.3	17.38	8.266	
2,500.0	2,492.5	2,506.0	2,504.5	8.9	8.6	-130.65	59.8	-96.8	143.7	126.3	17.39	8.260	
2,600.0	2,591.6	2,605.3	2,603.4	9.3	9.0	-134.72	63.9	-88.9	144.1	126.0	18.12	7.953	
2,700.0	2,690.6	2,704.1	2,701.9	9.7	9.4	-138.65	68.0	-81.2	145.5	126.7	18.85	7.720	
2,800.0	2,789.6	2,802.7	2,800.1	10.1	9.7	-142.46	71.8	-74.2	148.2	128.6	19.58	7.571	
2,900.0	2,888.6	2,902.7	2,899.8	10.5	10.1	-146.18	75.4	-67.2	151.8	131.5	20.30	7.480	
3,000.0	2,987.7	3,004.6	3,001.3	10.9	10.5	-149.50	80.4	-59.8	155.0	134.0	21.02	7.375	
3,100.0	3,086.7	3,104.5	3,100.7	11.3	10.8	-152.52	86.3	-52.0	157.6	135.8	21.74	7.246	
3,200.0	3,185.7	3,203.5	3,199.2	11.7	11.2	-155.46	91.9	-44.4	160.8	138.3	22.47	7.155	
3,300.0	3,284.8	3,305.0	3,300.3	12.1	11.6	-158.30	97.9	-36.5	164.2	141.0	23.19	7.078	
3,400.0	3,383.8	3,405.6	3,400.3	12.5	12.0	-161.08	104.5	-27.9	166.9	143.0	23.92	6.978	
3,500.0	3,482.8	3,503.8	3,497.9	12.9	12.4	-163.93	110.5	-19.0	170.2	145.6	24.66	6.904	
3,600.0	3,581.8	3,601.6	3,595.1	13.3	12.7	-166.92	115.1	-10.0	175.0	149.6	25.39	6.890	
3,700.0	3,680.9	3,702.4	3,695.5	13.7	13.1	-169.75	120.1	-0.9	180.1	154.0	26.13	6.894	
3,744.5	3,724.9	3,746.4	3,739.2	13.9	13.3	-170.92	122.4	3.2	182.5	156.0	26.46	6.896	
3,800.0	3,779.9	3,800.8	3,793.3	14.1	13.5	-172.41	125.0	8.3	185.2	158.3	26.87	6.892	
3,900.0	3,879.3	3,897.6	3,889.6	14.5	13.9	-175.00	128.3	17.4	189.7	162.1	27.60	6.872	
4,000.0	3,978.9	4,000.8	3,992.3	14.9	14.2	-177.39	132.3	26.5	191.7	163.4	28.36	6.761	
4,100.0	4,078.8	4,105.5	4,096.4	15.3	14.6	-179.37	139.4	35.3	188.7	159.7	29.09	6.487	
4,200.0	4,178.7	4,205.1	4,195.4	15.6	15.0	178.95	147.5	43.1	182.1	152.3	29.83	6.106	
4,277.8	4,256.5	4,282.1	4,271.9	15.9	15.3	-167.37	153.7	49.0	175.5	145.1	30.40	5.773	
4,300.0	4,278.7	4,304.2	4,293.8	16.0	15.4	-167.79	155.4	50.6	173.5	142.9	30.57	5.675	
4,400.0	4,378.7	4,403.3	4,392.4	16.3	15.8	-169.72	163.2	58.0	164.3	133.0	31.30	5.249	
4,500.0	4,478.7	4,502.9	4,491.5	16.6	16.2	-171.84	170.9	65.2	155.5	123.4	32.04	4.851	
4,600.0	4,578.7	4,602.4	4,590.3	17.0	16.6	-174.29	178.8	72.7	146.7	113.9	32.79	4.473	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,700.0	4,678.7	4,701.6	4,689.0	17.3	16.9	-176.99	186.5	79.9	138.3	104.8	33.54	4.123	
4,800.0	4,778.7	4,801.1	4,787.9	17.7	17.3	-180.00	194.3	87.2	130.3	96.0	34.30	3.799	
4,900.0	4,878.7	4,900.7	4,886.9	18.0	17.7	176.44	202.2	94.8	122.6	87.5	35.08	3.495	
5,000.0	4,978.7	5,000.0	4,985.6	18.3	18.1	172.40	210.1	102.4	115.4	79.5	35.86	3.218	
5,100.0	5,078.7	5,099.0	5,084.0	18.7	18.5	168.07	217.7	109.7	109.1	72.4	36.65	2.975	
5,200.0	5,178.7	5,198.5	5,183.0	19.0	18.9	163.29	225.0	116.9	103.7	66.2	37.45	2.768	
5,300.0	5,278.7	5,298.0	5,282.0	19.4	19.2	158.02	232.5	124.2	99.0	60.7	38.25	2.587	
5,400.0	5,378.7	5,397.9	5,381.3	19.7	19.6	152.18	240.3	131.4	94.9	55.8	39.06	2.430	
5,500.0	5,478.7	5,497.2	5,479.9	20.1	20.0	145.63	248.5	139.0	91.7	51.9	39.86	2.302	
5,600.0	5,578.7	5,596.2	5,578.3	20.4	20.4	138.59	256.6	146.8	90.2	49.5	40.64	2.219	
5,642.5	5,621.2	5,638.3	5,620.2	20.5	20.6	135.56	259.9	150.2	90.0	49.1	40.96	2.198	CC
5,700.0	5,678.7	5,695.5	5,676.9	20.7	20.8	131.52	264.3	154.8	90.3	48.9	41.40	2.181	ES
5,800.0	5,778.7	5,794.9	5,775.7	21.1	21.2	124.67	272.0	162.6	91.8	49.7	42.12	2.179	SF
5,900.0	5,878.7	5,894.0	5,874.3	21.4	21.6	118.27	279.4	170.5	94.6	51.8	42.82	2.209	
6,000.0	5,978.7	5,993.0	5,972.7	21.8	21.9	112.33	286.6	178.6	99.0	55.5	43.49	2.276	
6,100.0	6,078.7	6,093.1	6,072.2	22.1	22.3	107.03	293.7	186.8	104.3	60.1	44.16	2.362	
6,200.0	6,178.7	6,194.0	6,172.8	22.5	22.7	103.53	298.7	193.0	108.9	64.1	44.85	2.429	
6,300.0	6,278.7	6,293.5	6,272.0	22.8	23.1	100.75	303.0	198.8	113.7	68.2	45.53	2.497	
6,400.0	6,378.7	6,393.3	6,371.6	23.2	23.5	98.24	307.2	204.7	118.9	72.7	46.20	2.572	
6,500.0	6,478.7	6,493.4	6,471.4	23.5	23.8	96.04	311.2	210.3	123.9	77.0	46.89	2.643	
6,600.0	6,578.7	6,593.2	6,571.0	23.9	24.2	94.05	315.1	215.8	129.1	81.5	47.57	2.713	
6,700.0	6,678.7	6,692.9	6,670.5	24.2	24.6	92.17	319.1	221.2	134.3	86.1	48.25	2.785	
6,800.0	6,778.7	6,792.6	6,769.9	24.6	25.0	90.42	323.2	226.8	139.8	90.9	48.93	2.857	
6,900.0	6,878.7	6,892.9	6,870.0	24.9	25.3	88.85	327.1	232.3	145.3	95.7	49.62	2.929	
7,000.0	6,978.7	6,993.3	6,970.2	25.3	25.7	87.53	330.7	237.3	150.5	100.1	50.32	2.990	
7,100.0	7,078.7	7,092.9	7,069.6	25.6	26.1	86.36	334.0	242.2	155.5	104.5	51.01	3.049	
7,200.0	7,178.7	7,192.5	7,169.0	26.0	26.4	85.32	337.3	247.2	160.8	109.1	51.70	3.111	
7,300.0	7,278.7	7,293.6	7,269.9	26.3	26.8	83.97	341.6	252.0	165.9	113.5	52.40	3.166	
7,400.0	7,378.7	7,392.4	7,368.5	26.7	27.2	82.10	347.6	256.2	170.9	117.8	53.08	3.220	
7,500.0	7,478.7	7,492.5	7,468.2	27.0	27.5	80.23	354.1	260.6	176.3	122.5	53.76	3.278	
7,600.0	7,578.7	7,592.5	7,568.0	27.4	27.9	78.60	360.0	265.0	181.6	127.2	54.45	3.335	
7,700.0	7,678.7	7,692.8	7,668.0	27.7	28.3	77.20	365.6	269.2	186.9	131.7	55.15	3.388	
7,800.0	7,778.7	7,793.0	7,768.0	28.1	28.7	75.99	370.6	273.2	192.0	136.1	55.85	3.438	
7,900.0	7,878.7	7,895.5	7,870.4	28.4	29.0	75.03	375.0	277.1	196.8	140.2	56.56	3.479	
8,000.0	7,978.7	8,001.0	7,975.8	28.8	29.4	74.83	376.2	278.9	198.7	141.4	57.25	3.470	
8,100.0	8,078.7	8,102.0	8,076.8	29.1	29.8	74.85	376.3	279.6	199.3	141.4	57.95	3.440	
8,200.0	8,178.7	8,203.0	8,177.9	29.5	30.1	74.84	376.4	279.8	199.5	140.9	58.64	3.402	
8,300.0	8,278.7	8,305.0	8,279.9	29.8	30.4	74.77	376.5	279.2	199.0	139.7	59.31	3.356	
8,400.0	8,378.7	8,406.9	8,381.7	30.2	30.7	74.71	376.2	277.6	197.4	137.4	59.96	3.292	
8,500.0	8,478.7	8,505.3	8,480.1	30.5	31.0	74.64	376.0	275.8	195.6	134.9	60.66	3.224	
8,600.0	8,578.7	8,605.1	8,579.9	30.9	31.4	74.66	375.7	274.8	194.5	133.2	61.33	3.171	
8,700.0	8,678.7	8,706.2	8,681.0	31.2	31.7	74.68	375.2	273.4	193.1	131.1	62.00	3.115	
8,788.9	8,767.6	8,791.8	8,766.6	31.6	32.0	74.62	375.2	272.6	192.3	129.6	62.64	3.069	
8,800.0	8,778.7	8,802.4	8,777.2	31.6	32.0	74.61	375.2	272.6	192.3	129.6	62.72	3.065	
8,900.0	8,878.7	8,901.9	8,876.6	32.0	32.3	74.37	376.1	272.8	192.8	129.3	63.43	3.039	
9,000.0	8,978.7	9,003.1	8,977.8	32.3	32.7	73.93	377.6	272.7	193.0	128.9	64.12	3.010	
9,008.0	8,986.7	9,011.2	8,986.0	32.3	32.7	73.89	377.8	272.6	193.0	128.8	64.17	3.008	
9,100.0	9,078.7	9,100.6	9,075.4	32.7	33.0	73.94	377.7	273.2	193.6	128.8	64.83	2.987	
9,200.0	9,178.7	9,199.9	9,174.7	33.0	33.3	74.52	376.2	275.1	195.0	129.5	65.54	2.976	
9,300.0	9,278.7	9,301.4	9,276.1	33.4	33.7	75.16	374.5	276.9	196.2	130.0	66.23	2.963	
9,400.0	9,378.7	9,403.1	9,377.7	33.7	34.0	75.79	372.4	277.6	196.5	129.5	66.92	2.936	
9,403.8	9,382.5	9,406.8	9,381.5	33.7	34.0	75.82	372.3	277.7	196.5	129.5	66.95	2.935	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
9,500.0	9,478.7	9,502.0	9,476.6	34.1	34.3	76.39	370.5	278.4	196.8	129.1	67.62	2.910	
9,600.0	9,578.7	9,601.2	9,575.9	34.4	34.7	76.85	369.1	279.5	197.5	129.1	68.33	2.890	
9,700.0	9,678.7	9,700.2	9,674.8	34.8	35.0	77.19	368.2	280.9	198.7	129.6	69.03	2.878	
9,800.0	9,778.7	9,800.0	9,774.6	35.1	35.3	77.33	368.1	282.6	200.3	130.5	69.74	2.872	
9,900.0	9,878.7	9,900.3	9,874.9	35.5	35.7	77.48	367.9	284.1	201.7	131.3	70.45	2.863	
10,000.0	9,978.7	9,999.8	9,974.4	35.8	36.0	77.71	367.4	285.7	203.2	132.0	71.15	2.855	
10,100.0	10,078.7	10,100.3	10,074.8	36.2	36.4	78.04	366.6	287.5	204.8	132.9	71.86	2.850	
10,173.3	10,152.0	10,174.4	10,149.0	36.5	36.6	78.31	365.9	288.6	205.7	133.3	72.37	2.842	
10,200.0	10,178.7	10,201.4	10,175.9	36.5	36.7	-86.42	365.5	288.9	205.9	133.3	72.55	2.838	
10,250.0	10,228.5	10,252.1	10,226.6	36.7	36.9	-87.40	364.6	289.5	206.0	133.1	72.85	2.827	
10,300.0	10,277.7	10,303.1	10,277.6	36.8	37.1	-89.53	363.2	289.8	205.7	132.6	73.12	2.814	
10,345.5	10,321.6	10,348.6	10,323.1	37.0	37.2	-92.37	361.5	289.9	205.5	132.2	73.34	2.803	
10,350.0	10,325.9	10,353.1	10,327.6	37.0	37.2	-92.70	361.3	289.9	205.5	132.2	73.36	2.802	
10,400.0	10,372.8	10,401.7	10,376.2	37.1	37.4	-96.83	359.3	289.7	206.2	132.6	73.57	2.802	
10,450.0	10,418.1	10,447.3	10,421.7	37.2	37.5	-101.48	357.5	289.4	208.6	134.9	73.79	2.828	
10,500.0	10,461.3	10,489.3	10,463.6	37.3	37.7	-106.28	356.4	289.1	214.5	140.5	74.03	2.898	
10,550.0	10,502.1	10,529.0	10,503.4	37.4	37.8	-110.98	355.7	289.0	224.8	150.5	74.29	3.026	
10,600.0	10,540.3	10,567.3	10,541.7	37.5	37.9	-115.32	355.2	289.0	240.1	165.5	74.54	3.220	
10,650.0	10,575.6	10,602.7	10,577.1	37.6	38.0	-118.89	354.8	289.0	260.4	185.6	74.80	3.481	
10,700.0	10,607.6	10,635.6	10,610.0	37.7	38.1	-121.62	354.3	289.0	285.7	210.6	75.05	3.806	
10,750.0	10,636.1	10,665.3	10,639.7	37.8	38.2	-123.34	353.9	289.0	315.6	240.3	75.29	4.191	
10,800.0	10,661.0	10,691.5	10,665.8	37.9	38.3	-123.89	353.5	289.0	349.5	274.0	75.49	4.630	
10,850.0	10,682.0	10,713.7	10,688.1	38.0	38.4	-123.11	353.1	289.0	387.0	311.3	75.67	5.114	
10,900.0	10,698.9	10,731.7	10,706.0	38.1	38.4	-120.67	352.7	288.9	427.5	351.7	75.82	5.638	
10,950.0	10,711.7	10,745.5	10,719.9	38.2	38.5	-116.25	352.5	288.9	470.4	394.4	75.94	6.194	
11,000.0	10,720.3	10,755.1	10,729.4	38.3	38.5	-109.25	352.3	288.9	515.1	439.1	76.03	6.775	
11,050.0	10,724.5	10,760.3	10,734.6	38.5	38.5	-99.12	352.2	288.8	561.2	485.1	76.09	7.375	
11,073.3	10,725.0	10,761.2	10,735.5	38.5	38.5	-93.29	352.2	288.8	582.9	506.8	76.11	7.659	
11,100.0	10,725.0	10,761.7	10,736.0	38.6	38.5	-93.52	352.2	288.8	608.1	532.0	76.13	7.988	
11,200.0	10,725.0	10,763.6	10,737.9	39.0	38.5	-94.57	352.1	288.8	703.9	627.7	76.19	9.239	
11,300.0	10,725.0	10,765.5	10,739.8	39.4	38.6	-96.08	352.1	288.8	801.5	725.3	76.24	10.513	
11,400.0	10,725.0	10,767.4	10,741.8	39.8	38.6	-98.47	352.1	288.8	900.2	823.9	76.27	11.802	
11,500.0	10,725.0	10,769.4	10,743.8	40.4	38.6	-102.86	352.0	288.8	999.6	923.3	76.30	13.100	
11,600.0	10,725.0	12,364.9	11,788.8	40.9	42.9	177.16	-548.6	260.5	1,085.2	1,047.3	37.97	28.579	
11,700.0	10,725.0	12,628.1	11,811.4	41.6	44.3	175.15	-809.9	242.5	1,092.1	1,054.1	37.98	28.756	
11,800.0	10,725.0	12,750.3	11,813.5	42.2	45.0	174.68	-932.0	238.0	1,094.3	1,055.3	38.99	28.067	
11,820.3	10,725.0	12,773.2	11,813.6	42.3	45.2	174.61	-954.9	236.9	1,094.6	1,055.4	39.19	27.929	
11,900.0	10,725.0	12,875.2	11,813.4	42.9	45.8	174.46	-1,056.8	234.7	1,094.7	1,054.6	40.09	27.304	
11,940.6	10,725.0	12,905.7	11,813.4	43.2	46.1	174.47	-1,087.3	235.1	1,094.6	1,054.2	40.35	27.126	
12,000.0	10,725.0	12,955.9	11,813.8	43.7	46.4	174.56	-1,137.5	237.1	1,094.8	1,054.0	40.76	26.862	
12,100.0	10,725.0	13,068.5	11,814.7	44.4	47.3	174.87	-1,249.9	243.7	1,095.1	1,053.5	41.67	26.280	
12,115.5	10,725.0	13,080.8	11,814.8	44.6	47.4	174.90	-1,262.1	244.4	1,095.1	1,053.4	41.78	26.213	
12,200.0	10,725.0	13,162.2	11,815.3	45.3	48.1	175.11	-1,343.5	248.8	1,095.3	1,052.8	42.48	25.783	
12,300.0	10,725.0	13,267.3	11,815.6	46.2	49.0	175.32	-1,448.4	253.5	1,095.2	1,051.8	43.45	25.207	
12,326.0	10,725.0	13,291.5	11,815.6	46.4	49.2	175.37	-1,472.7	254.6	1,095.2	1,051.5	43.68	25.073	
12,400.0	10,725.0	13,364.4	11,816.0	47.1	49.8	175.54	-1,545.4	258.3	1,095.4	1,051.0	44.37	24.687	
12,500.0	10,725.0	13,469.7	11,816.0	48.1	50.8	175.77	-1,650.6	263.3	1,095.1	1,049.7	45.41	24.116	
12,571.6	10,725.0	13,537.6	11,816.1	48.8	51.5	175.92	-1,718.4	266.6	1,094.9	1,048.8	46.09	23.756	
12,600.0	10,725.0	13,563.6	11,816.2	49.1	51.7	175.98	-1,744.4	268.0	1,095.0	1,048.6	46.36	23.620	
12,700.0	10,725.0	13,658.0	11,817.1	50.1	52.7	176.25	-1,838.7	273.7	1,095.5	1,048.2	47.32	23.149	
12,800.0	10,725.0	13,761.6	11,818.1	51.2	53.8	176.50	-1,942.1	279.1	1,096.2	1,047.7	48.42	22.638	
12,900.0	10,725.0	13,861.2	11,818.5	52.3	54.8	176.75	-2,041.5	284.4	1,096.3	1,046.8	49.51	22.146	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,000.0	10,725.0	13,956.2	11,819.6	53.4	55.9	176.96	-2,136.4	288.9	1,097.2	1,046.6	50.57	21.696	
13,100.0	10,725.0	14,057.5	11,820.6	54.6	57.0	177.20	-2,237.6	294.3	1,098.0	1,046.3	51.72	21.230	
13,200.0	10,725.0	14,154.7	11,821.7	55.7	58.1	177.41	-2,334.6	298.9	1,098.9	1,046.0	52.85	20.792	
13,300.0	10,725.0	14,252.5	11,823.0	56.9	59.3	177.60	-2,432.4	303.1	1,100.1	1,046.1	54.02	20.366	
13,400.0	10,725.0	14,353.4	11,824.4	58.2	60.5	177.78	-2,533.2	307.1	1,101.4	1,046.1	55.24	19.939	
13,500.0	10,725.0	14,455.7	11,825.7	59.4	61.7	177.96	-2,635.3	311.1	1,102.5	1,046.0	56.49	19.515	
13,600.0	10,725.0	14,556.7	11,826.6	60.7	62.9	177.95	-2,736.3	311.5	1,103.4	1,045.6	57.79	19.093	
13,700.0	10,725.0	14,660.1	11,827.3	62.0	64.2	177.83	-2,839.7	309.9	1,104.2	1,045.0	59.16	18.665	
13,800.0	10,725.0	14,776.5	11,827.1	63.3	65.7	177.65	-2,956.1	307.2	1,104.1	1,043.4	60.73	18.181	
13,900.0	10,725.0	14,888.7	11,825.1	64.6	67.1	177.38	-3,068.2	302.7	1,102.5	1,040.2	62.29	17.699	
14,000.0	10,725.0	14,989.0	11,822.9	65.9	68.4	177.09	-3,168.3	297.8	1,100.6	1,036.9	63.72	17.273	
14,100.0	10,725.0	15,093.6	11,820.2	67.3	69.7	176.76	-3,272.7	292.4	1,098.3	1,033.1	65.23	16.838	
14,200.0	10,725.0	15,189.1	11,817.6	68.6	71.0	176.40	-3,368.1	286.2	1,096.0	1,029.4	66.65	16.445	
14,300.0	10,725.0	15,282.1	11,815.9	70.0	72.2	176.19	-3,461.0	282.9	1,094.5	1,026.5	67.99	16.097	
14,400.0	10,725.0	15,373.6	11,814.8	71.4	73.4	176.11	-3,552.5	282.0	1,093.3	1,024.1	69.28	15.781	
14,432.0	10,725.0	15,399.7	11,814.7	71.8	73.8	176.12	-3,578.5	282.3	1,093.3	1,023.6	69.64	15.699	
14,500.0	10,725.0	15,463.2	11,815.1	72.8	74.7	176.20	-3,642.0	284.2	1,093.6	1,023.1	70.49	15.514	
14,600.0	10,725.0	15,563.0	11,815.2	74.2	76.0	176.24	-3,741.8	285.6	1,093.6	1,021.7	71.87	15.217	
14,700.0	10,725.0	15,649.9	11,816.3	75.6	77.2	176.24	-3,828.7	286.1	1,094.8	1,021.8	73.09	14.980	
14,800.0	10,725.0	15,741.7	11,817.7	77.0	78.5	176.16	-3,920.5	285.1	1,096.5	1,022.1	74.41	14.735	
14,900.0	10,725.0	15,815.4	11,820.3	78.5	79.5	176.13	-3,994.2	284.7	1,100.1	1,024.6	75.47	14.576	
15,000.0	10,725.0	15,912.5	11,825.1	79.9	80.9	176.14	-4,091.1	285.3	1,105.0	1,028.1	76.85	14.378	
15,100.0	10,725.0	16,003.1	11,830.1	81.3	82.2	176.17	-4,181.6	286.2	1,110.5	1,032.3	78.13	14.212	
15,200.0	10,725.0	16,119.7	11,836.0	82.8	83.9	176.25	-4,298.0	288.0	1,115.5	1,035.7	79.77	13.983	
15,300.0	10,725.0	16,227.6	11,840.4	84.3	85.4	176.35	-4,405.8	290.4	1,119.4	1,038.1	81.29	13.771	
15,400.0	10,725.0	16,335.8	11,844.2	85.7	87.0	176.54	-4,513.8	294.5	1,122.7	1,040.0	82.78	13.563	
15,500.0	10,725.0	16,449.3	11,847.1	87.2	88.7	176.78	-4,627.2	299.7	1,125.1	1,040.8	84.33	13.342	
15,600.0	10,725.0	16,542.7	11,849.0	88.7	90.0	176.93	-4,720.5	303.2	1,126.9	1,041.3	85.63	13.160	
15,700.0	10,725.0	16,665.0	11,851.0	90.2	91.8	176.95	-4,842.8	304.2	1,128.7	1,041.3	87.40	12.914	
15,800.0	10,725.0	16,791.5	11,849.4	91.7	93.7	176.92	-4,969.3	304.6	1,127.3	1,038.0	89.25	12.631	
15,900.0	10,725.0	16,890.0	11,847.7	93.2	95.2	176.97	-5,067.7	306.2	1,125.5	1,034.8	90.67	12.413	
16,000.0	10,725.0	16,990.7	11,845.7	94.7	96.7	177.08	-5,168.4	309.1	1,123.4	1,031.3	92.10	12.197	
16,100.0	10,725.0	17,079.0	11,844.4	96.2	98.0	177.17	-5,256.6	311.5	1,121.8	1,028.5	93.37	12.014	
16,162.7	10,725.0	17,131.4	11,844.2	97.2	98.8	177.19	-5,309.0	312.2	1,121.5	1,027.4	94.14	11.913	
16,200.0	10,725.0	17,166.6	11,844.2	97.7	99.3	177.18	-5,344.2	312.3	1,121.6	1,026.9	94.66	11.848	
16,300.0	10,725.0	17,258.7	11,844.6	99.2	100.7	177.19	-5,436.3	313.1	1,122.0	1,026.0	96.02	11.685	
16,400.0	10,725.0	17,339.9	11,846.1	100.8	101.9	177.25	-5,517.5	314.6	1,123.8	1,026.6	97.20	11.561	
16,500.0	10,725.0	17,435.6	11,849.0	102.3	103.3	177.36	-5,613.1	317.3	1,126.7	1,028.1	98.58	11.429	
16,600.0	10,725.0	17,558.2	11,851.1	103.8	105.2	177.45	-5,735.7	319.7	1,128.3	1,027.9	100.37	11.241	
16,700.0	10,725.0	17,655.8	11,852.0	105.4	106.7	177.52	-5,833.3	321.6	1,129.2	1,027.4	101.80	11.092	
16,800.0	10,725.0	17,745.4	11,853.5	106.9	108.0	177.54	-5,922.8	322.6	1,130.8	1,027.7	103.12	10.966	
16,900.0	10,725.0	17,853.9	11,855.9	108.4	109.7	177.57	-6,031.3	323.8	1,133.1	1,028.3	104.73	10.819	
17,000.0	10,725.0	17,964.5	11,856.4	110.0	111.4	177.57	-6,141.9	324.4	1,133.4	1,027.0	106.39	10.654	
17,100.0	10,725.0	18,105.8	11,855.0	111.5	113.5	177.52	-6,283.1	324.3	1,132.7	1,024.2	108.48	10.442	
17,200.0	10,725.0	18,194.5	11,852.8	113.1	114.9	177.52	-6,371.8	325.1	1,130.2	1,020.4	109.82	10.291	
17,300.0	10,725.0	18,283.8	11,851.3	114.6	116.3	177.57	-6,461.1	326.5	1,128.4	1,017.2	111.16	10.151	
17,367.2	10,725.0	18,336.2	11,851.0	115.7	117.1	177.62	-6,513.5	327.9	1,127.9	1,016.0	111.94	10.077	
17,400.0	10,725.0	18,361.8	11,851.1	116.2	117.5	177.65	-6,539.0	328.7	1,128.0	1,015.7	112.31	10.044	
17,500.0	10,725.0	18,476.4	11,851.2	117.8	119.3	177.74	-6,653.7	331.2	1,128.2	1,014.2	113.99	9.897	
17,600.0	10,725.0	18,585.9	11,850.1	119.3	120.9	177.76	-6,763.1	332.3	1,127.1	1,011.5	115.63	9.748	
17,700.0	10,725.0	18,694.2	11,848.1	120.9	122.6	177.82	-6,871.4	334.3	1,125.2	1,008.0	117.22	9.599	
17,800.0	10,725.0	18,811.1	11,844.9	122.5	124.4	177.98	-6,988.2	338.2	1,122.4	1,003.5	118.90	9.441	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
17,900.0	10,725.0	18,919.3	11,840.4	124.0	126.1	178.20	-7,096.1	343.4	1,118.1	997.6	120.43	9.284	
18,000.0	10,725.0	19,006.3	11,837.0	125.6	127.5	178.43	-7,182.9	348.5	1,114.0	992.3	121.70	9.154	
18,100.0	10,725.0	19,090.4	11,835.0	127.2	128.8	178.65	-7,266.9	353.4	1,111.5	988.5	122.94	9.041	
18,200.0	10,725.0	19,181.6	11,833.9	128.8	130.3	178.99	-7,357.8	360.5	1,110.2	985.9	124.24	8.936	
18,300.0	10,725.0	19,293.0	11,832.6	130.3	132.0	179.30	-7,468.9	367.3	1,108.9	983.1	125.84	8.812	
18,400.0	10,725.0	19,407.2	11,829.4	131.9	133.8	179.39	-7,583.1	369.7	1,106.1	978.5	127.52	8.674	
18,500.0	10,725.0	19,508.0	11,825.9	133.5	135.4	179.38	-7,683.8	370.2	1,102.6	973.6	129.04	8.544	
18,600.0	10,725.0	19,608.9	11,822.4	135.1	137.0	179.30	-7,784.7	369.3	1,099.1	968.6	130.59	8.417	
18,700.0	10,725.0	19,711.8	11,818.6	136.7	138.6	179.13	-7,887.4	366.8	1,095.5	963.3	132.17	8.288	
18,800.0	10,725.0	19,796.4	11,816.0	138.2	139.9	178.98	-7,971.9	364.5	1,092.5	958.9	133.54	8.181	
18,900.0	10,725.0	19,897.1	11,813.5	139.8	141.5	178.79	-8,072.7	361.5	1,090.1	955.0	135.12	8.068	
19,000.0	10,725.0	19,988.4	11,811.6	141.4	142.9	178.64	-8,163.8	359.4	1,088.1	951.5	136.56	7.968	
19,100.0	10,725.0	20,097.5	11,809.3	143.0	144.6	178.43	-8,272.9	356.1	1,086.1	947.8	138.28	7.854	
19,197.1	10,725.0	20,167.9	11,808.5	144.6	145.7	178.27	-8,343.3	353.6	1,085.0	945.6	139.43	7.782	
19,200.0	10,725.0	20,170.1	11,808.5	144.6	145.7	178.26	-8,345.4	353.5	1,085.0	945.5	139.47	7.780	
19,300.0	10,725.0	20,258.2	11,809.1	146.2	147.1	178.08	-8,433.4	350.6	1,085.7	944.9	140.87	7.707	
19,400.0	10,725.0	20,373.4	11,809.7	147.8	148.9	177.92	-8,548.6	348.2	1,086.5	943.8	142.70	7.614	
19,439.6	10,725.0	20,410.5	11,809.7	148.4	149.5	177.88	-8,585.8	347.7	1,086.4	943.1	143.29	7.582	
19,500.0	10,725.0	20,466.6	11,809.8	149.4	150.4	177.85	-8,641.9	347.5	1,086.5	942.4	144.16	7.537	
19,600.0	10,725.0	20,568.8	11,810.1	151.0	152.0	177.85	-8,744.0	348.0	1,086.9	941.2	145.72	7.459	
19,700.0	10,725.0	20,690.8	11,808.9	152.6	153.9	177.65	-8,865.9	345.2	1,086.0	938.3	147.66	7.354	
19,800.0	10,725.0	20,789.3	11,806.6	154.2	155.5	177.40	-8,964.4	341.1	1,083.8	934.5	149.29	7.260	
19,900.0	10,725.0	20,875.6	11,805.7	155.8	156.8	177.10	-9,050.5	336.0	1,083.1	932.3	150.78	7.183	
20,000.0	10,725.0	20,992.3	11,804.0	157.4	158.6	176.65	-9,166.9	328.4	1,082.1	929.2	152.82	7.081	
20,100.0	10,725.0	21,093.2	11,801.2	159.0	160.2	176.25	-9,267.6	321.5	1,079.7	925.1	154.64	6.982	
20,200.0	10,725.0	21,177.1	11,799.8	160.6	161.5	175.99	-9,351.4	317.3	1,078.4	922.3	156.12	6.908	
20,227.4	10,725.0	21,199.5	11,799.7	161.0	161.9	175.95	-9,373.8	316.7	1,078.4	921.9	156.49	6.891	
20,300.0	10,725.0	21,269.6	11,799.9	162.2	163.0	175.91	-9,443.9	316.4	1,078.7	921.0	157.61	6.844	
20,400.0	10,725.0	21,378.4	11,799.7	163.8	164.7	175.98	-9,552.7	318.3	1,078.4	919.1	159.25	6.772	
20,500.0	10,725.0	21,474.2	11,799.3	165.4	166.3	176.07	-9,648.4	320.7	1,077.8	917.2	160.66	6.709	
20,519.0	10,725.0	21,491.2	11,799.3	165.7	166.5	176.10	-9,665.4	321.3	1,077.8	916.9	160.90	6.699	
20,600.0	10,725.0	21,563.0	11,799.8	167.0	167.7	176.23	-9,737.1	324.2	1,078.1	916.2	161.91	6.659	
20,700.0	10,725.0	21,655.2	11,801.3	168.6	169.2	176.47	-9,829.2	329.2	1,079.5	916.3	163.15	6.616	
20,800.0	10,725.0	21,764.9	11,803.2	170.2	170.9	176.77	-9,938.7	335.6	1,080.9	916.3	164.67	6.564	
20,846.3	10,725.0	21,809.9	11,803.7	171.0	171.7	176.90	-9,983.6	338.2	1,081.3	916.0	165.28	6.542	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	-80.39	28.8	-170.3	172.7				
100.0	100.0	97.7	97.7	0.1	0.2	-80.35	29.0	-170.3	172.8	172.5	0.28	610.543	
200.0	200.0	197.4	197.4	0.5	0.3	-80.22	29.4	-170.5	173.0	172.2	0.80	216.505	
300.0	300.0	297.3	297.3	0.8	0.6	-80.01	30.1	-170.8	173.4	172.0	1.42	121.765	
400.0	400.0	397.2	397.2	1.2	0.9	-79.78	30.9	-171.1	173.9	171.7	2.14	81.210	
500.0	500.0	497.0	497.0	1.6	1.3	-79.51	31.7	-171.4	174.4	171.5	2.86	61.027	
600.0	600.0	597.2	597.1	1.9	1.7	-79.23	32.7	-171.8	174.9	171.3	3.57	48.935	
700.0	700.0	697.1	697.0	2.3	2.0	-78.97	33.6	-172.2	175.4	171.1	4.29	40.882 ES	
800.0	800.0	795.7	795.7	2.6	2.4	-78.76	34.4	-172.9	176.3	171.3	5.00	35.254	
900.0	900.0	894.7	894.7	3.0	2.7	-78.60	35.2	-174.4	177.9	172.2	5.71	31.145	
1,000.0	1,000.0	993.4	993.3	3.4	3.1	-78.54	35.8	-176.6	180.2	173.8	6.42	28.070	
1,100.0	1,100.0	1,093.5	1,093.4	3.7	3.4	-78.49	36.4	-179.0	182.7	175.6	7.13	25.618	
1,200.0	1,200.0	1,193.4	1,193.3	4.1	3.8	-78.53	36.8	-181.5	185.3	177.4	7.85	23.618	
1,300.0	1,300.0	1,293.9	1,293.7	4.4	4.1	-93.89	37.1	-184.0	187.8	179.2	8.56	21.939	
1,400.0	1,400.0	1,393.9	1,393.7	4.8	4.5	-94.56	37.8	-186.0	190.1	180.8	9.27	20.498	
1,500.0	1,499.9	1,493.5	1,493.3	5.1	4.9	-95.68	38.7	-188.2	192.9	182.9	9.99	19.311	
1,600.0	1,599.7	1,593.4	1,593.1	5.5	5.2	-96.88	41.0	-190.3	195.9	185.2	10.70	18.304	
1,700.0	1,699.4	1,693.0	1,692.7	5.9	5.6	-97.88	45.4	-192.1	199.3	187.9	11.42	17.449	
1,800.0	1,798.9	1,792.3	1,791.8	6.2	5.9	-99.12	50.6	-193.9	203.1	191.0	12.14	16.734	
1,900.0	1,898.3	1,893.9	1,893.1	6.6	6.3	-100.66	56.5	-195.5	207.1	194.3	12.87	16.092	
2,000.0	1,997.4	1,993.2	1,992.3	7.0	6.6	-102.30	63.1	-196.6	211.3	197.7	13.60	15.533	
2,100.0	2,096.4	2,091.8	2,090.6	7.3	7.0	-104.04	70.1	-198.1	216.2	201.9	14.34	15.081	
2,200.0	2,195.5	2,192.0	2,190.5	7.7	7.4	-105.72	77.2	-199.6	221.4	206.3	15.08	14.677	
2,300.0	2,294.5	2,291.0	2,289.3	8.1	7.7	-107.37	83.9	-201.2	226.7	210.9	15.83	14.327	
2,400.0	2,393.5	2,389.8	2,387.9	8.5	8.1	-109.03	90.3	-203.0	232.6	216.0	16.57	14.036	
2,500.0	2,492.5	2,488.8	2,486.7	8.9	8.5	-110.70	96.2	-205.2	239.0	221.7	17.32	13.804	
2,600.0	2,591.6	2,589.8	2,587.3	9.3	8.8	-112.10	103.3	-207.3	245.5	227.4	18.08	13.579	
2,700.0	2,690.6	2,690.9	2,688.1	9.7	9.2	-113.09	111.8	-209.0	251.4	232.5	18.84	13.343	
2,800.0	2,789.6	2,791.7	2,788.4	10.1	9.6	-113.77	121.6	-210.4	256.9	237.3	19.61	13.104	
2,900.0	2,888.6	2,892.3	2,888.5	10.5	10.0	-114.32	131.9	-211.5	262.1	241.7	20.37	12.864	
3,000.0	2,987.7	2,992.4	2,988.2	10.9	10.3	-115.00	141.4	-212.3	267.1	246.0	21.14	12.634	
3,100.0	3,086.7	3,091.7	3,087.0	11.3	10.7	-115.71	150.6	-213.1	272.2	250.3	21.90	12.426	
3,200.0	3,185.7	3,189.7	3,184.4	11.7	11.1	-116.08	161.0	-214.5	277.7	255.0	22.67	12.251	
3,300.0	3,284.8	3,289.6	3,283.7	12.1	11.4	-116.27	172.4	-216.6	283.7	260.3	23.44	12.102	
3,400.0	3,383.8	3,389.2	3,382.8	12.5	11.8	-116.73	182.4	-218.3	289.6	265.4	24.22	11.959	
3,500.0	3,482.8	3,491.2	3,484.4	12.9	12.2	-117.45	191.3	-219.5	295.3	270.3	24.99	11.814	
3,600.0	3,581.8	3,593.3	3,586.2	13.3	12.6	-118.34	199.5	-219.6	300.2	274.4	25.76	11.650	
3,700.0	3,680.9	3,693.5	3,686.0	13.7	13.0	-119.11	208.0	-219.4	304.7	278.1	26.53	11.484	
3,744.5	3,724.9	3,737.2	3,729.5	13.9	13.1	-119.43	211.7	-219.4	306.7	279.8	26.87	11.416	
3,800.0	3,779.9	3,792.0	3,784.1	14.1	13.3	-119.85	216.0	-219.3	309.2	281.9	27.29	11.332	
3,900.0	3,879.3	3,889.7	3,881.5	14.5	13.7	-120.37	223.1	-219.6	313.2	285.2	28.03	11.174	
4,000.0	3,978.9	3,989.7	3,981.3	14.9	14.1	-120.46	230.4	-220.2	316.1	287.4	28.78	10.986	
4,100.0	4,078.8	4,088.1	4,079.3	15.3	14.4	-119.82	239.1	-221.5	318.1	288.6	29.52	10.776	
4,200.0	4,178.7	4,188.1	4,178.7	15.6	14.8	-118.35	250.1	-223.4	318.9	288.7	30.27	10.536	
4,277.8	4,256.5	4,265.4	4,255.5	15.9	15.1	-101.86	258.6	-225.0	319.0	288.1	30.85	10.339	
4,300.0	4,278.7	4,288.2	4,278.1	16.0	15.2	-101.41	261.1	-225.4	318.9	287.9	31.02	10.280	
4,400.0	4,378.7	4,388.9	4,378.2	16.3	15.6	-99.35	272.5	-226.8	318.2	286.5	31.77	10.018	
4,443.2	4,421.9	4,431.0	4,419.9	16.4	15.8	-98.39	277.8	-227.5	318.1	286.0	32.08	9.915	
4,500.0	4,478.7	4,485.6	4,474.1	16.6	16.0	-97.05	285.1	-228.7	318.3	285.8	32.50	9.795	
4,600.0	4,578.7	4,582.7	4,570.1	17.0	16.4	-94.58	298.7	-231.6	319.9	286.7	33.23	9.626	
4,700.0	4,678.7	4,681.8	4,668.2	17.3	16.8	-92.09	312.5	-234.7	322.2	288.3	33.98	9.484	
4,800.0	4,778.7	4,780.3	4,765.7	17.7	17.2	-89.63	326.3	-237.8	325.2	290.5	34.71	9.368	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,900.0	4,878.7	4,877.3	4,861.6	18.0	17.5	-87.17	340.4	-241.2	329.1	293.7	35.43	9.288	
5,000.0	4,978.7	4,974.9	4,958.1	18.3	17.9	-84.67	355.2	-245.2	334.3	298.2	36.16	9.246	
5,100.0	5,078.7	5,075.5	5,057.5	18.7	18.4	-82.29	369.7	-249.2	340.0	303.1	36.90	9.215	
5,200.0	5,178.7	5,174.8	5,156.0	19.0	18.8	-80.44	381.5	-253.1	345.7	308.1	37.62	9.189	
5,300.0	5,278.7	5,273.7	5,254.3	19.4	19.1	-78.92	391.7	-257.5	351.9	313.6	38.33	9.182	
5,400.0	5,378.7	5,379.8	5,360.0	19.7	19.5	-77.88	399.2	-262.2	357.7	318.7	39.08	9.153	
5,500.0	5,478.7	5,481.6	5,461.6	20.1	19.9	-77.51	402.4	-265.9	362.0	322.2	39.79	9.097	
5,600.0	5,578.7	5,593.1	5,573.1	20.4	20.3	-77.40	403.7	-268.8	364.8	324.2	40.53	9.000	
5,700.0	5,678.7	5,696.6	5,676.6	20.7	20.6	-77.53	403.1	-269.6	365.4	324.2	41.21	8.867	
5,800.0	5,778.7	5,803.6	5,783.6	21.1	20.9	-77.91	400.5	-268.9	364.2	322.3	41.87	8.699	
5,900.0	5,878.7	5,903.4	5,883.3	21.4	21.2	-78.43	396.9	-267.7	362.4	319.8	42.53	8.521	
6,000.0	5,978.7	6,003.6	5,983.4	21.8	21.5	-79.03	392.8	-266.7	360.6	317.4	43.18	8.349	
6,100.0	6,078.7	6,103.7	6,083.4	22.1	21.8	-79.66	388.5	-265.6	358.6	314.8	43.84	8.180	
6,200.0	6,178.7	6,203.8	6,183.5	22.5	22.2	-80.31	384.2	-264.5	356.9	312.4	44.50	8.019	
6,300.0	6,278.7	6,303.9	6,283.4	22.8	22.5	-80.92	380.2	-263.1	354.8	309.7	45.17	7.856	
6,400.0	6,378.7	6,399.5	6,379.0	23.2	22.8	-81.49	376.5	-262.3	353.4	307.6	45.83	7.711	
6,436.3	6,415.0	6,433.6	6,413.0	23.3	22.9	-81.58	376.0	-262.3	353.3	307.2	46.07	7.668	
6,500.0	6,478.7	6,496.8	6,476.2	23.5	23.1	-81.61	375.8	-262.4	353.4	306.9	46.50	7.599	
6,600.0	6,578.7	6,596.3	6,575.7	23.9	23.4	-81.55	376.1	-262.5	353.5	306.3	47.19	7.491	
6,700.0	6,678.7	6,695.1	6,674.6	24.2	23.8	-81.59	375.9	-263.0	354.0	306.1	47.88	7.393	
6,800.0	6,778.7	6,797.0	6,776.5	24.6	24.1	-81.62	375.8	-263.5	354.4	305.9	48.57	7.298	
6,864.6	6,843.3	6,861.9	6,841.3	24.8	24.3	-81.64	375.7	-263.4	354.4	305.4	49.01	7.231	
6,900.0	6,878.7	6,896.6	6,876.0	24.9	24.4	-81.67	375.6	-263.5	354.4	305.2	49.25	7.197	
7,000.0	6,978.7	6,997.5	6,976.9	25.3	24.8	-81.77	375.0	-263.7	354.6	304.6	49.93	7.102	
7,100.0	7,078.7	7,097.6	7,077.1	25.6	25.1	-81.89	374.2	-263.7	354.5	303.8	50.61	7.004	
7,200.0	7,178.7	7,199.1	7,178.6	26.0	25.4	-82.00	373.5	-263.5	354.2	302.9	51.29	6.905	
7,300.0	7,278.7	7,301.7	7,281.1	26.3	25.7	-82.10	372.7	-262.7	353.3	301.3	51.97	6.797	
7,400.0	7,378.7	7,401.3	7,380.7	26.7	26.1	-82.23	371.8	-261.7	352.1	299.5	52.65	6.688	
7,500.0	7,478.7	7,503.3	7,482.7	27.0	26.4	-82.38	370.7	-260.3	350.6	297.3	53.33	6.575	
7,600.0	7,578.7	7,603.4	7,582.8	27.4	26.7	-82.57	369.3	-258.8	348.9	294.9	54.01	6.460	
7,700.0	7,678.7	7,703.4	7,682.8	27.7	27.1	-82.72	368.2	-257.1	347.1	292.4	54.70	6.346	
7,800.0	7,778.7	7,802.6	7,782.0	28.1	27.4	-82.78	367.6	-255.6	345.6	290.2	55.38	6.240	
7,900.0	7,878.7	7,902.9	7,882.2	28.4	27.7	-82.85	367.0	-253.9	343.9	287.8	56.07	6.133	
8,000.0	7,978.7	8,001.1	7,980.4	28.8	28.1	-83.00	365.9	-252.8	342.6	285.8	56.75	6.036	
8,100.0	8,078.7	8,101.5	8,080.8	29.1	28.4	-83.24	364.4	-251.9	341.5	284.1	57.44	5.946	
8,200.0	8,178.7	8,199.9	8,179.2	29.5	28.7	-83.50	362.7	-250.9	340.3	282.2	58.12	5.855	
8,266.2	8,244.8	8,263.6	8,242.8	29.7	28.9	-83.71	361.5	-250.9	340.1	281.5	58.57	5.807	
8,300.0	8,278.7	8,296.5	8,275.7	29.8	29.0	-83.83	360.8	-251.0	340.2	281.4	58.80	5.785	
8,400.0	8,378.7	8,394.1	8,373.3	30.2	29.4	-84.17	358.8	-251.9	340.8	281.3	59.48	5.730	
8,500.0	8,478.7	8,494.0	8,473.2	30.5	29.7	-84.27	358.3	-253.0	341.9	281.8	60.18	5.682	
8,600.0	8,578.7	8,587.8	8,567.0	30.9	30.0	-84.20	358.9	-254.4	343.5	282.7	60.84	5.646	
8,700.0	8,678.7	8,684.2	8,663.3	31.2	30.4	-83.96	360.7	-257.8	347.2	285.7	61.51	5.644	
8,800.0	8,778.7	8,782.0	8,761.1	31.6	30.7	-83.81	362.0	-261.6	351.2	289.0	62.20	5.647	
8,900.0	8,878.7	8,880.3	8,859.3	32.0	31.1	-83.57	364.0	-266.1	356.0	293.1	62.89	5.660	
9,000.0	8,978.7	8,978.6	8,957.3	32.3	31.4	-83.14	367.3	-270.8	361.1	297.5	63.57	5.679	
9,100.0	9,078.7	9,080.3	9,058.9	32.7	31.8	-82.71	370.6	-275.7	366.3	302.0	64.30	5.696	
9,200.0	9,178.7	9,201.5	9,179.9	33.0	32.2	-81.85	376.5	-277.7	368.7	303.5	65.13	5.660	
9,300.0	9,278.7	9,304.8	9,283.1	33.4	32.6	-80.99	381.7	-275.6	367.4	301.6	65.84	5.580	
9,400.0	9,378.7	9,403.5	9,381.7	33.7	32.9	-80.67	383.5	-273.8	365.9	299.4	66.54	5.499	
9,500.0	9,478.7	9,502.6	9,480.8	34.1	33.3	-80.68	383.2	-272.6	364.6	297.4	67.24	5.423	
9,600.0	9,578.7	9,600.7	9,578.9	34.4	33.6	-80.63	383.4	-271.7	363.7	295.8	67.93	5.354	
9,657.8	9,636.5	9,656.3	9,634.5	34.6	33.8	-80.65	383.3	-271.5	363.5	295.2	68.33	5.321	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
9,700.0	9,678.7	9,697.3	9,675.5	34.8	33.9	-80.71	382.9	-271.7	363.6	295.0	68.62	5.299	
9,800.0	9,778.7	9,795.1	9,773.3	35.1	34.3	-80.98	381.3	-272.5	364.3	295.0	69.30	5.256	
9,900.0	9,878.7	9,894.4	9,872.6	35.5	34.6	-81.39	378.9	-274.1	365.4	295.4	69.99	5.221	
10,000.0	9,978.7	9,994.2	9,972.3	35.8	34.9	-81.79	376.5	-275.5	366.5	295.8	70.68	5.184	
10,100.0	10,078.7	10,093.2	10,071.2	36.2	35.3	-81.75	377.0	-276.8	367.8	296.5	71.38	5.153	
10,173.3	10,152.0	10,167.0	10,145.1	36.5	35.5	-81.66	377.7	-277.8	368.9	297.0	71.90	5.131	
10,200.0	10,178.7	10,194.3	10,172.4	36.5	35.6	113.69	377.8	-278.1	369.5	297.4	72.08	5.126	SF
10,250.0	10,228.5	10,245.0	10,223.0	36.7	35.8	114.10	377.8	-278.7	371.9	299.4	72.41	5.135	
10,300.0	10,277.7	10,294.1	10,272.1	36.8	36.0	114.88	377.5	-279.2	376.0	303.3	72.72	5.171	
10,350.0	10,325.9	10,341.8	10,319.9	37.0	36.1	115.95	377.1	-279.7	382.3	309.3	73.01	5.237	
10,400.0	10,372.8	10,387.3	10,365.4	37.1	36.3	117.17	376.6	-280.4	391.1	317.8	73.28	5.337	
10,450.0	10,418.1	10,432.3	10,410.4	37.2	36.4	118.53	376.0	-281.3	402.6	329.0	73.53	5.475	
10,500.0	10,461.3	10,480.1	10,458.1	37.3	36.6	120.20	375.5	-281.9	416.7	343.0	73.78	5.649	
10,550.0	10,502.1	10,525.4	10,503.5	37.4	36.8	121.79	374.9	-282.0	433.7	359.7	74.00	5.861	
10,600.0	10,540.3	10,563.0	10,541.1	37.5	36.9	122.78	374.5	-281.9	453.9	379.7	74.19	6.119	
10,650.0	10,575.6	10,598.4	10,576.4	37.6	37.0	123.42	374.2	-281.8	477.7	403.3	74.36	6.424	
10,700.0	10,607.6	10,629.9	10,607.9	37.7	37.1	123.49	374.0	-281.8	505.0	430.5	74.51	6.778	
10,750.0	10,636.1	10,657.4	10,635.5	37.8	37.2	122.85	373.8	-281.8	535.8	461.1	74.63	7.178	
10,800.0	10,661.0	10,681.4	10,659.4	37.9	37.3	121.40	373.7	-281.8	569.7	495.0	74.74	7.622	
10,850.0	10,682.0	10,701.5	10,679.6	38.0	37.4	118.95	373.6	-281.9	606.5	531.7	74.83	8.106	
10,900.0	10,698.9	10,718.2	10,696.2	38.1	37.4	115.32	373.5	-282.0	645.9	571.0	74.89	8.625	
10,950.0	10,711.7	10,731.0	10,709.0	38.2	37.5	110.23	373.4	-282.1	687.3	612.4	74.93	9.172	
11,000.0	10,720.3	10,739.6	10,717.7	38.3	37.5	103.38	373.4	-282.1	730.4	655.5	74.96	9.744	
11,050.0	10,724.5	10,744.0	10,722.0	38.5	37.5	94.62	373.3	-282.2	774.7	699.8	74.97	10.335	
11,073.3	10,725.0	10,744.5	10,722.6	38.5	37.5	89.93	373.3	-282.2	795.7	720.7	74.96	10.614	
11,100.0	10,725.0	10,744.6	10,722.7	38.6	37.5	89.95	373.3	-282.2	819.8	744.8	74.96	10.937	
11,200.0	10,725.0	10,745.0	10,723.1	39.0	37.5	90.02	373.3	-282.2	910.5	835.6	74.94	12.149	
11,300.0	10,725.0	10,745.5	10,723.5	39.4	37.5	90.08	373.3	-282.2	1,001.7	926.8	74.94	13.367	
11,400.0	10,725.0	10,745.9	10,724.0	39.8	37.5	90.13	373.3	-282.2	1,093.1	1,018.2	74.94	14.587	
11,500.0	10,725.0	10,746.4	10,724.5	40.4	37.5	90.18	373.3	-282.2	1,184.6	1,109.7	74.94	15.808	
11,600.0	10,725.0	10,747.0	10,725.0	40.9	37.5	90.23	373.3	-282.2	1,276.1	1,201.2	74.95	17.027	
11,700.0	10,725.0	10,747.5	10,725.6	41.6	37.5	90.27	373.3	-282.2	1,367.5	1,292.5	74.96	18.243	
11,800.0	10,725.0	10,748.1	10,726.2	42.2	37.5	90.31	373.3	-282.2	1,458.6	1,383.6	74.97	19.456	
11,820.3	10,725.0	10,748.3	10,726.3	42.3	37.5	90.31	373.3	-282.2	1,477.0	1,402.1	74.97	19.701	
11,900.0	10,725.0	10,748.8	10,726.8	42.9	37.5	90.36	373.3	-282.2	1,549.9	1,474.9	74.99	20.670	
12,000.0	10,725.0	13,406.0	12,177.7	43.7	47.5	157.92	-1,153.2	-249.1	1,569.9	1,519.0	50.89	30.846	
12,100.0	10,725.0	13,520.5	12,178.2	44.4	48.4	158.00	-1,267.6	-246.3	1,569.7	1,517.7	51.96	30.208	
12,145.4	10,725.0	13,548.1	12,178.8	44.8	48.7	158.05	-1,295.2	-244.8	1,569.6	1,517.4	52.25	30.041	
12,200.0	10,725.0	13,590.8	12,180.0	45.3	49.0	158.16	-1,337.8	-241.9	1,569.8	1,517.2	52.64	29.823	
12,300.0	10,725.0	13,712.7	12,182.4	46.2	50.1	158.44	-1,459.4	-233.7	1,569.3	1,515.6	53.70	29.221	
12,323.4	10,725.0	13,726.4	12,182.6	46.4	50.2	158.46	-1,473.1	-233.1	1,569.2	1,515.3	53.86	29.132	
12,400.0	10,725.0	13,771.3	12,183.2	47.1	50.6	158.48	-1,518.0	-232.4	1,570.0	1,515.6	54.43	28.844	
12,500.0	10,725.0	13,844.1	12,185.0	48.1	51.2	158.45	-1,590.8	-233.5	1,573.0	1,517.6	55.39	28.397	
12,600.0	10,725.0	13,951.0	12,188.3	49.1	52.2	158.39	-1,697.5	-236.0	1,577.0	1,520.3	56.71	27.806	
12,700.0	10,725.0	14,024.4	12,190.1	50.1	53.0	158.32	-1,770.9	-238.3	1,580.7	1,522.9	57.78	27.358	
12,800.0	10,725.0	14,086.7	12,193.2	51.2	53.6	158.27	-1,833.0	-240.7	1,587.0	1,528.2	58.78	27.001	
12,900.0	10,725.0	14,171.2	12,198.6	52.3	54.4	158.19	-1,917.3	-244.6	1,594.9	1,534.8	60.01	26.575	
13,000.0	10,725.0	14,258.8	12,204.5	53.4	55.4	158.08	-2,004.6	-249.7	1,603.5	1,542.2	61.33	26.145	
13,100.0	10,725.0	14,354.1	12,211.1	54.6	56.4	157.94	-2,099.4	-256.2	1,612.7	1,550.0	62.78	25.689	
13,200.0	10,725.0	14,489.4	12,220.5	55.7	57.9	157.91	-2,234.3	-259.9	1,620.3	1,555.8	64.51	25.115	
13,300.0	10,725.0	14,595.6	12,228.6	56.9	59.1	157.98	-2,340.2	-260.4	1,627.8	1,561.9	65.93	24.692	
13,400.0	10,725.0	14,726.2	12,236.7	58.2	60.6	158.12	-2,470.5	-258.6	1,633.2	1,565.6	67.55	24.176	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,500.0	10,725.0	14,817.0	12,242.4	59.4	61.7	158.25	-2,561.1	-256.2	1,638.2	1,569.5	68.79	23.816	
13,600.0	10,725.0	14,953.5	12,249.5	60.7	63.4	158.42	-2,697.3	-252.9	1,642.4	1,571.9	70.51	23.294	
13,700.0	10,725.0	15,050.5	12,254.0	62.0	64.6	158.54	-2,794.2	-250.3	1,645.9	1,574.1	71.86	22.906	
13,800.0	10,725.0	15,207.3	12,257.8	63.3	66.5	158.64	-2,950.9	-247.8	1,648.0	1,574.0	73.94	22.287	
13,844.0	10,725.0	15,250.2	12,257.8	63.8	67.1	158.65	-2,993.8	-247.3	1,647.9	1,573.3	74.60	22.090	
13,900.0	10,725.0	15,300.5	12,258.1	64.6	67.7	158.67	-3,044.1	-246.4	1,648.0	1,572.7	75.37	21.866	
14,000.0	10,725.0	15,392.0	12,259.3	65.9	68.9	158.73	-3,135.6	-244.4	1,648.6	1,571.9	76.76	21.478	
14,100.0	10,725.0	15,474.0	12,260.9	67.3	70.0	158.79	-3,217.5	-242.8	1,650.0	1,572.0	78.04	21.142	
14,200.0	10,725.0	15,617.3	12,262.5	68.6	71.9	158.83	-3,360.8	-241.2	1,650.9	1,570.8	80.12	20.607	
14,300.0	10,725.0	15,717.7	12,261.4	70.0	73.2	158.80	-3,461.2	-241.2	1,650.1	1,568.4	81.75	20.184	
14,400.0	10,725.0	15,807.9	12,260.7	71.4	74.4	158.76	-3,551.4	-241.5	1,649.8	1,566.5	83.28	19.811	
14,500.0	10,725.0	15,906.9	12,260.5	72.8	75.8	158.75	-3,650.4	-241.2	1,649.7	1,564.8	84.90	19.432	
14,600.0	10,725.0	16,016.7	12,259.5	74.2	77.3	158.66	-3,760.2	-242.8	1,649.7	1,562.9	86.76	19.014	
14,700.0	10,725.0	16,139.6	12,256.3	75.6	79.0	158.51	-3,883.1	-245.3	1,648.2	1,559.3	88.88	18.544	
14,800.0	10,725.0	16,251.6	12,252.0	77.0	80.5	158.34	-3,994.9	-248.2	1,645.8	1,554.9	90.90	18.106	
14,900.0	10,725.0	16,339.1	12,248.7	78.5	81.7	158.22	-4,082.3	-250.2	1,643.4	1,550.8	92.57	17.753	
15,000.0	10,725.0	16,445.0	12,245.2	79.9	83.2	158.08	-4,188.1	-252.4	1,641.3	1,546.8	94.50	17.368	
15,100.0	10,725.0	16,531.2	12,242.4	81.3	84.4	157.96	-4,274.3	-254.4	1,639.4	1,543.2	96.17	17.046	
15,200.0	10,725.0	16,628.6	12,239.6	82.8	85.8	157.81	-4,371.6	-257.2	1,638.0	1,540.0	98.04	16.708	
15,300.0	10,725.0	16,719.4	12,237.2	84.3	87.1	157.68	-4,462.3	-259.9	1,637.0	1,537.1	99.82	16.399	
15,400.0	10,725.0	16,816.4	12,234.9	85.7	88.5	157.52	-4,559.2	-263.2	1,636.3	1,534.6	101.73	16.086	
15,500.0	10,725.0	16,928.8	12,231.4	87.2	90.1	157.28	-4,671.5	-268.4	1,635.5	1,531.5	103.96	15.731	
15,600.0	10,725.0	17,019.5	12,228.3	88.7	91.4	157.07	-4,761.9	-273.1	1,634.6	1,528.7	105.90	15.436	
15,700.0	10,725.0	17,177.6	12,221.6	90.2	93.7	156.72	-4,919.8	-280.0	1,632.9	1,524.0	108.92	14.992	
15,800.0	10,725.0	17,356.9	12,205.0	91.7	96.4	156.29	-5,098.2	-284.9	1,625.4	1,513.1	112.25	14.480	
15,900.0	10,725.0	17,491.0	12,190.5	93.2	98.3	156.10	-5,231.5	-283.6	1,615.4	1,500.7	114.68	14.086	
16,000.0	10,725.0	17,592.8	12,178.3	94.7	99.9	155.97	-5,332.6	-281.4	1,603.8	1,487.1	116.68	13.745	
16,100.0	10,725.0	17,675.5	12,169.2	96.2	101.1	155.90	-5,414.7	-279.0	1,592.8	1,474.4	118.43	13.450	
16,200.0	10,725.0	17,736.8	12,163.5	97.7	102.0	155.87	-5,475.7	-276.9	1,583.4	1,463.6	119.87	13.209	
16,300.0	10,725.0	17,781.6	12,161.1	99.2	102.7	155.88	-5,520.5	-275.4	1,577.2	1,456.2	121.04	13.030	
16,400.0	10,725.0	17,841.0	12,159.9	100.8	103.6	155.91	-5,579.7	-273.5	1,574.3	1,452.0	122.29	12.874	
16,500.0	10,725.0	17,922.8	12,159.3	102.3	104.8	155.94	-5,661.5	-271.9	1,573.1	1,449.2	123.82	12.704	
16,597.0	10,725.0	18,008.3	12,159.5	103.8	106.1	155.98	-5,747.1	-270.2	1,572.7	1,447.3	125.37	12.545	
16,600.0	10,725.0	18,010.7	12,159.5	103.8	106.1	155.98	-5,749.4	-270.2	1,572.7	1,447.3	125.41	12.540	
16,700.0	10,725.0	18,090.6	12,160.5	105.4	107.3	156.02	-5,829.4	-268.8	1,573.4	1,446.5	126.87	12.401	
16,800.0	10,725.0	18,199.7	12,162.1	106.9	109.0	156.08	-5,938.4	-267.3	1,574.4	1,445.7	128.75	12.228	
16,900.0	10,725.0	18,261.7	12,163.9	108.4	109.9	156.13	-6,000.4	-266.1	1,576.5	1,446.6	129.91	12.135	
17,000.0	10,725.0	18,377.2	12,168.9	110.0	111.7	156.28	-6,115.7	-263.0	1,579.7	1,448.0	131.72	11.993	
17,100.0	10,725.0	18,562.5	12,169.1	111.5	114.5	156.34	-6,301.0	-260.1	1,579.6	1,445.0	134.65	11.731	
17,200.0	10,725.0	18,613.4	12,168.5	113.1	115.3	156.37	-6,351.9	-258.6	1,577.8	1,442.0	135.77	11.621	
17,203.5	10,725.0	18,615.0	12,168.5	113.1	115.3	156.37	-6,353.5	-258.5	1,577.8	1,442.0	135.80	11.618	
17,300.0	10,725.0	18,665.0	12,170.9	114.6	116.1	156.51	-6,403.2	-255.2	1,579.4	1,442.8	136.62	11.561	
17,400.0	10,725.0	18,735.2	12,176.4	116.2	117.2	156.76	-6,473.0	-249.6	1,583.6	1,446.1	137.48	11.519	
17,500.0	10,725.0	18,855.6	12,186.0	117.8	119.1	157.18	-6,592.6	-240.2	1,588.2	1,449.4	138.84	11.439	
17,600.0	10,725.0	18,979.7	12,193.4	119.3	121.0	157.58	-6,716.2	-230.6	1,591.0	1,450.7	140.28	11.341	
17,700.0	10,725.0	19,109.0	12,199.8	120.9	123.0	158.03	-6,844.7	-218.9	1,592.5	1,450.9	141.67	11.241	
17,800.0	10,725.0	19,228.0	12,203.5	122.5	124.9	158.43	-6,963.1	-207.6	1,592.0	1,449.1	142.96	11.136	
17,900.0	10,725.0	19,352.3	12,205.0	124.0	126.8	158.76	-7,087.0	-197.7	1,590.5	1,446.0	144.46	11.010	
18,000.0	10,725.0	19,460.8	12,204.5	125.6	128.5	159.00	-7,195.2	-189.6	1,587.5	1,441.7	145.89	10.882	
18,100.0	10,725.0	19,559.1	12,203.5	127.2	130.1	159.14	-7,293.4	-184.5	1,585.0	1,437.6	147.39	10.754	
18,200.0	10,725.0	19,689.1	12,199.6	128.8	132.1	159.20	-7,423.3	-180.4	1,581.3	1,431.9	149.43	10.582	
18,300.0	10,725.0	19,793.9	12,194.4	130.3	133.7	159.16	-7,527.9	-178.9	1,576.3	1,425.0	151.36	10.414	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
18,400.0	10,725.0	19,863.3	12,190.8	131.9	134.8	159.08	-7,597.2	-179.6	1,572.2	1,419.2	152.97	10.278	
18,500.0	10,725.0	19,932.4	12,188.7	133.5	135.9	158.99	-7,666.2	-181.0	1,570.2	1,415.7	154.55	10.160	
18,600.0	10,725.0	20,021.4	12,187.0	135.1	137.3	158.84	-7,755.3	-184.0	1,569.9	1,413.4	156.51	10.031	
18,700.0	10,725.0	20,139.0	12,182.8	136.7	139.1	158.58	-7,872.6	-189.2	1,568.2	1,409.1	159.13	9.855	
18,800.0	10,725.0	20,216.3	12,180.5	138.2	140.3	158.41	-7,949.8	-192.9	1,567.5	1,406.5	161.01	9.735	
18,800.8	10,725.0	20,216.9	12,180.5	138.3	140.3	158.41	-7,950.4	-193.0	1,567.5	1,406.5	161.02	9.735	
18,900.0	10,725.0	20,295.1	12,179.8	139.8	141.5	158.28	-8,028.5	-195.9	1,568.2	1,405.5	162.79	9.633	
19,000.0	10,725.0	20,400.0	12,179.7	141.4	143.2	158.16	-8,133.3	-198.8	1,569.4	1,404.5	164.98	9.513	
19,100.0	10,725.0	20,533.1	12,177.8	143.0	145.2	157.92	-8,266.4	-204.4	1,570.0	1,402.2	167.87	9.353	
19,200.0	10,725.0	20,641.0	12,173.2	144.6	146.9	157.65	-8,374.0	-209.7	1,568.2	1,397.8	170.45	9.201	
19,300.0	10,725.0	20,750.2	12,169.7	146.2	148.6	157.48	-8,483.1	-212.7	1,566.5	1,393.7	172.83	9.064	
19,400.0	10,725.0	20,844.2	12,167.9	147.8	150.1	157.46	-8,577.1	-211.7	1,564.6	1,389.9	174.64	8.958	
19,500.0	10,725.0	20,978.4	12,163.6	149.4	152.2	157.41	-8,711.2	-210.6	1,561.5	1,384.4	177.06	8.819	
19,600.0	10,725.0	21,069.4	12,159.4	151.0	153.7	157.31	-8,802.2	-211.2	1,557.7	1,378.6	179.06	8.699	
19,700.0	10,725.0	21,139.0	12,157.2	152.6	154.8	157.27	-8,871.7	-211.1	1,555.1	1,374.5	180.64	8.609	
19,758.5	10,725.0	21,175.5	12,157.1	153.5	155.3	157.30	-8,908.2	-210.1	1,554.6	1,373.2	181.36	8.572	
19,800.0	10,725.0	21,197.8	12,157.8	154.2	155.7	157.35	-8,930.4	-208.8	1,554.8	1,373.1	181.71	8.557	
19,900.0	10,725.0	21,270.6	12,162.7	155.8	156.9	157.65	-9,002.6	-201.5	1,557.4	1,375.0	182.34	8.541	
20,000.0	10,725.0	21,392.6	12,170.9	157.4	158.8	158.18	-9,123.7	-188.4	1,559.9	1,376.6	183.22	8.513	
20,100.0	10,725.0	21,535.5	12,177.0	159.0	161.1	158.74	-9,265.6	-173.6	1,560.3	1,375.9	184.32	8.465	
20,200.0	10,725.0	21,690.6	12,177.7	160.6	163.6	159.21	-9,420.1	-159.2	1,557.7	1,372.0	185.66	8.390	
20,300.0	10,725.0	21,847.2	12,172.2	162.2	166.1	159.60	-9,575.9	-144.9	1,551.4	1,364.3	187.03	8.295	
20,400.0	10,725.0	22,007.9	12,159.4	163.8	168.7	159.86	-9,735.5	-131.7	1,541.2	1,352.7	188.53	8.175	
20,500.0	10,725.0	22,180.1	12,136.7	165.4	171.5	159.93	-9,905.8	-120.3	1,526.8	1,336.6	190.24	8.026	
20,600.0	10,725.0	22,284.0	12,119.0	167.0	173.1	159.89	-10,008.0	-114.2	1,509.0	1,316.9	192.10	7.855	
20,700.0	10,725.0	22,284.0	12,119.0	168.6	173.1	159.89	-10,008.0	-114.2	1,495.0	1,301.3	193.73	7.717	
20,800.0	10,725.0	22,284.0	12,119.0	170.2	173.1	159.89	-10,008.0	-114.2	1,487.7	1,293.0	194.70	7.641	
20,846.3	10,725.0	22,284.0	12,119.0	171.0	173.1	159.89	-10,008.0	-114.2	1,486.6	1,291.7	194.92	7.627	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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	0.0	0.0	0.0	0.0	89.56	0.2	30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	89.56	0.2	30.0	30.0	29.7	0.26	116.212	
200.0	200.0	200.0	200.0	0.5	0.5	89.56	0.2	30.0	30.0	29.0	0.98	30.762	
300.0	300.0	300.0	300.0	0.8	0.8	89.56	0.2	30.0	30.0	28.3	1.69	17.727	
400.0	400.0	400.0	400.0	1.2	1.2	89.56	0.2	30.0	30.0	27.6	2.41	12.451	
500.0	500.0	500.0	500.0	1.6	1.6	89.56	0.2	30.0	30.0	26.9	3.13	9.596	
600.0	600.0	600.0	600.0	1.9	1.9	89.56	0.2	30.0	30.0	26.2	3.84	7.805	
700.0	700.0	700.0	700.0	2.3	2.3	89.56	0.2	30.0	30.0	25.4	4.56	6.578	
800.0	800.0	800.0	800.0	2.6	2.6	89.56	0.2	30.0	30.0	24.7	5.28	5.684	
900.0	900.0	900.0	900.0	3.0	3.0	89.56	0.2	30.0	30.0	24.0	5.99	5.004	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.56	0.2	30.0	30.0	23.3	6.71	4.470	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.56	0.2	30.0	30.0	22.6	7.43	4.038	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.56	0.2	30.0	30.0	21.8	8.14	3.683	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	76.12	0.2	30.0	29.8	20.9	8.86	3.360	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	81.11	0.2	30.0	29.3	19.7	9.58	3.055	
1,500.0	1,499.9	1,499.9	1,499.9	5.1	5.1	89.68	0.2	30.0	28.9	18.6	10.29	2.808	
1,503.1	1,502.9	1,502.9	1,502.9	5.2	5.2	90.00	0.2	30.0	28.9	18.6	10.31	2.802	CC, ES
1,600.0	1,599.7	1,599.5	1,599.5	5.5	5.5	99.96	0.9	30.6	29.7	18.7	11.01	2.702	SF
1,700.0	1,699.4	1,699.3	1,699.2	5.9	5.9	109.25	2.8	32.3	32.2	20.5	11.72	2.751	
1,800.0	1,798.9	1,799.1	1,798.9	6.2	6.2	116.72	6.1	35.1	36.2	23.8	12.44	2.913	
1,900.0	1,898.3	1,898.9	1,898.6	6.6	6.6	122.27	10.7	39.1	41.5	28.3	13.16	3.150	
2,000.0	1,997.4	1,998.8	1,998.1	7.0	6.9	126.16	16.6	44.3	47.7	33.8	13.89	3.435	
2,100.0	2,096.4	2,098.7	2,097.6	7.3	7.3	128.10	23.8	50.5	54.3	39.7	14.62	3.713	
2,200.0	2,195.5	2,198.7	2,197.0	7.7	7.7	128.01	32.3	58.0	60.5	45.2	15.36	3.940	
2,300.0	2,294.5	2,298.8	2,296.2	8.1	8.0	126.47	42.1	66.5	66.4	50.3	16.11	4.122	
2,400.0	2,393.5	2,401.4	2,395.0	8.5	8.4	124.48	52.6	75.7	72.2	55.3	16.88	4.276	
2,500.0	2,492.5	2,501.6	2,493.9	8.9	8.8	122.79	63.1	84.8	78.1	60.4	17.65	4.423	
2,600.0	2,591.6	2,601.8	2,592.7	9.3	9.2	121.33	73.5	93.9	84.0	65.6	18.42	4.558	
2,700.0	2,690.6	2,698.0	2,691.5	9.7	9.5	120.07	84.0	103.1	90.0	70.8	19.19	4.688	
2,800.0	2,789.6	2,802.2	2,790.3	10.1	10.0	118.97	94.5	112.2	96.0	76.0	19.99	4.802	
2,900.0	2,888.6	2,902.4	2,889.2	10.5	10.3	117.99	104.9	121.3	102.0	81.2	20.77	4.911	
3,000.0	2,987.7	3,002.6	2,988.0	10.9	10.7	117.13	115.4	130.5	108.1	86.5	21.56	5.012	
3,100.0	3,086.7	3,102.8	3,086.8	11.3	11.1	116.35	125.9	139.6	114.2	91.8	22.35	5.107	
3,200.0	3,185.7	3,203.0	3,185.7	11.7	11.5	115.66	136.3	148.7	120.3	97.1	23.15	5.195	
3,300.0	3,284.8	3,303.2	3,284.5	12.1	11.9	115.03	146.8	157.8	126.4	102.4	23.95	5.278	
3,400.0	3,383.8	3,403.4	3,383.3	12.5	12.3	114.46	157.3	167.0	132.5	107.8	24.75	5.355	
3,500.0	3,482.8	3,503.6	3,482.2	12.9	12.7	113.94	167.7	176.1	138.7	113.1	25.55	5.428	
3,600.0	3,581.8	3,603.8	3,581.0	13.3	13.1	113.47	178.2	185.2	144.8	118.5	26.35	5.496	
3,700.0	3,680.9	3,704.0	3,679.8	13.7	13.5	113.03	188.7	194.4	151.0	123.8	27.16	5.560	
3,744.5	3,724.9	3,740.4	3,723.8	13.9	13.7	112.85	193.3	198.4	153.7	126.3	27.48	5.594	
3,800.0	3,779.9	3,795.8	3,778.7	14.1	13.9	112.54	199.1	203.5	157.0	129.1	27.93	5.622	
3,900.0	3,879.3	3,904.4	3,877.5	14.5	14.3	111.34	209.6	212.6	162.2	133.4	28.76	5.639	
4,000.0	3,978.9	4,004.6	3,976.3	14.9	14.8	109.37	220.1	221.8	166.5	137.0	29.55	5.635	
4,100.0	4,078.8	4,105.0	4,074.9	15.3	15.2	106.66	230.5	230.9	170.3	140.0	30.33	5.616	
4,200.0	4,178.7	4,194.3	4,173.3	15.6	15.5	103.25	240.9	240.0	173.9	142.9	31.04	5.602	
4,277.8	4,256.5	4,271.5	4,249.7	15.9	15.8	115.19	249.0	247.0	176.8	145.2	31.61	5.592	
4,300.0	4,278.7	4,306.5	4,271.5	16.0	16.0	114.24	251.3	249.0	177.6	145.8	31.82	5.583	
4,400.0	4,378.7	4,407.5	4,369.5	16.3	16.4	110.09	261.7	258.1	182.2	149.7	32.53	5.601	
4,500.0	4,478.7	4,508.5	4,467.6	16.6	16.8	106.15	272.1	267.1	187.7	154.5	33.23	5.648	
4,600.0	4,578.7	4,609.5	4,565.7	17.0	17.2	102.45	282.5	276.2	194.0	160.1	33.92	5.719	
4,700.0	4,678.7	4,689.6	4,663.7	17.3	17.5	98.99	292.9	285.3	201.1	166.6	34.52	5.825	
4,800.0	4,778.7	4,788.6	4,761.8	17.7	18.0	95.78	303.2	294.3	208.9	173.7	35.19	5.935	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
4,900.0	4,878.7	4,887.6	4,859.8	18.0	18.4	92.80	313.6	303.4	217.3	181.4	35.86	6.059	
5,000.0	4,978.7	4,986.6	4,957.9	18.3	18.8	90.05	324.0	312.4	226.2	189.7	36.53	6.193	
5,100.0	5,078.7	5,085.7	5,056.0	18.7	19.2	87.51	334.4	321.5	235.6	198.4	37.20	6.335	
5,200.0	5,178.7	5,184.7	5,154.0	19.0	19.6	85.16	344.8	330.6	245.5	207.6	37.86	6.484	
5,300.0	5,278.7	5,284.2	5,252.6	19.4	20.0	83.00	355.2	339.7	255.7	217.2	38.54	6.635	
5,400.0	5,378.7	5,388.9	5,356.4	19.7	20.4	81.13	364.9	348.1	265.0	225.8	39.27	6.749	
5,500.0	5,478.7	5,494.2	5,461.2	20.1	20.8	79.77	372.5	354.7	272.4	232.4	40.00	6.811	
5,600.0	5,578.7	5,599.9	5,566.8	20.4	21.2	78.84	377.9	359.5	277.8	237.1	40.71	6.824	
5,700.0	5,678.7	5,706.0	5,672.7	20.7	21.6	78.30	381.2	362.3	281.0	239.6	41.41	6.786	
5,800.0	5,778.7	5,812.2	5,779.0	21.1	21.9	78.14	382.2	363.2	282.0	239.9	42.09	6.701	
5,807.0	5,785.6	5,819.6	5,786.4	21.1	22.0	78.14	382.2	363.2	282.0	239.9	42.13	6.693	
5,900.0	5,878.7	5,912.0	5,878.7	21.4	22.3	78.14	382.2	363.2	282.0	239.2	42.78	6.593	
6,000.0	5,978.7	6,012.0	5,978.7	21.8	22.6	78.14	382.2	363.2	282.0	238.6	43.47	6.488	
6,100.0	6,078.7	6,112.0	6,078.7	22.1	22.9	78.14	382.2	363.2	282.0	237.9	44.16	6.386	
6,200.0	6,178.7	6,212.0	6,178.7	22.5	23.3	78.14	382.2	363.2	282.0	237.2	44.85	6.288	
6,300.0	6,278.7	6,312.0	6,278.7	22.8	23.6	78.14	382.2	363.2	282.0	236.5	45.55	6.192	
6,400.0	6,378.7	6,412.0	6,378.7	23.2	23.9	78.14	382.2	363.2	282.0	235.8	46.24	6.099	
6,500.0	6,478.7	6,512.0	6,478.7	23.5	24.3	78.14	382.2	363.2	282.0	235.1	46.94	6.009	
6,600.0	6,578.7	6,612.0	6,578.7	23.9	24.6	78.14	382.2	363.2	282.0	234.4	47.63	5.921	
6,700.0	6,678.7	6,712.0	6,678.7	24.2	24.9	78.14	382.2	363.2	282.0	233.7	48.33	5.836	
6,800.0	6,778.7	6,812.0	6,778.7	24.6	25.3	78.14	382.2	363.2	282.0	233.0	49.02	5.753	
6,900.0	6,878.7	6,912.0	6,878.7	24.9	25.6	78.14	382.2	363.2	282.0	232.3	49.72	5.672	
7,000.0	6,978.7	7,012.0	6,978.7	25.3	26.0	78.14	382.2	363.2	282.0	231.6	50.42	5.594	
7,100.0	7,078.7	7,112.0	7,078.7	25.6	26.3	78.14	382.2	363.2	282.0	230.9	51.12	5.517	
7,200.0	7,178.7	7,212.0	7,178.7	26.0	26.6	78.14	382.2	363.2	282.0	230.2	51.82	5.443	
7,300.0	7,278.7	7,312.0	7,278.7	26.3	27.0	78.14	382.2	363.2	282.0	229.5	52.52	5.370	
7,400.0	7,378.7	7,412.0	7,378.7	26.7	27.3	78.14	382.2	363.2	282.0	228.8	53.22	5.300	
7,500.0	7,478.7	7,512.0	7,478.7	27.0	27.7	78.14	382.2	363.2	282.0	228.1	53.92	5.231	
7,600.0	7,578.7	7,612.0	7,578.7	27.4	28.0	78.14	382.2	363.2	282.0	227.4	54.62	5.164	
7,700.0	7,678.7	7,712.0	7,678.7	27.7	28.3	78.14	382.2	363.2	282.0	226.7	55.32	5.098	
7,800.0	7,778.7	7,812.0	7,778.7	28.1	28.7	78.14	382.2	363.2	282.0	226.0	56.02	5.034	
7,900.0	7,878.7	7,912.0	7,878.7	28.4	29.0	78.14	382.2	363.2	282.0	225.3	56.72	4.972	
8,000.0	7,978.7	8,012.0	7,978.7	28.8	29.4	78.14	382.2	363.2	282.0	224.6	57.42	4.911	
8,100.0	8,078.7	8,112.0	8,078.7	29.1	29.7	78.14	382.2	363.2	282.0	223.9	58.13	4.852	
8,200.0	8,178.7	8,212.0	8,178.7	29.5	30.1	78.14	382.2	363.2	282.0	223.2	58.83	4.794	
8,300.0	8,278.7	8,312.0	8,278.7	29.8	30.4	78.14	382.2	363.2	282.0	222.5	59.53	4.737	
8,400.0	8,378.7	8,412.0	8,378.7	30.2	30.8	78.14	382.2	363.2	282.0	221.8	60.24	4.682	
8,500.0	8,478.7	8,512.0	8,478.7	30.5	31.1	78.14	382.2	363.2	282.0	221.1	60.94	4.628	
8,600.0	8,578.7	8,612.0	8,578.7	30.9	31.4	78.14	382.2	363.2	282.0	220.4	61.64	4.575	
8,700.0	8,678.7	8,712.0	8,678.7	31.2	31.8	78.14	382.2	363.2	282.0	219.7	62.35	4.523	
8,800.0	8,778.7	8,812.0	8,778.7	31.6	32.1	78.14	382.2	363.2	282.0	219.0	63.05	4.473	
8,900.0	8,878.7	8,912.0	8,878.7	32.0	32.5	78.14	382.2	363.2	282.0	218.3	63.76	4.423	
9,000.0	8,978.7	9,012.0	8,978.7	32.3	32.8	78.14	382.2	363.2	282.0	217.6	64.46	4.375	
9,100.0	9,078.7	9,112.0	9,078.7	32.7	33.2	78.14	382.2	363.2	282.0	216.9	65.17	4.328	
9,200.0	9,178.7	9,212.0	9,178.7	33.0	33.5	78.14	382.2	363.2	282.0	216.2	65.87	4.281	
9,300.0	9,278.7	9,312.0	9,278.7	33.4	33.9	78.14	382.2	363.2	282.0	215.4	66.58	4.236	
9,400.0	9,378.7	9,412.0	9,378.7	33.7	34.2	78.14	382.2	363.2	282.0	214.7	67.29	4.191	
9,500.0	9,478.7	9,512.0	9,478.7	34.1	34.6	78.14	382.2	363.2	282.0	214.0	67.99	4.148	
9,600.0	9,578.7	9,612.0	9,578.7	34.4	34.9	78.14	382.2	363.2	282.0	213.3	68.70	4.105	
9,700.0	9,678.7	9,712.0	9,678.7	34.8	35.3	78.14	382.2	363.2	282.0	212.6	69.41	4.063	
9,800.0	9,778.7	9,812.0	9,778.7	35.1	35.6	78.14	382.2	363.2	282.0	211.9	70.11	4.022	
9,900.0	9,878.7	9,912.0	9,878.7	35.5	36.0	78.14	382.2	363.2	282.0	211.2	70.82	3.982	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
10,000.0	9,978.7	10,012.0	9,978.7	35.8	36.3	78.14	382.2	363.2	282.0	210.5	71.53	3.943	
10,100.0	10,078.7	10,112.0	10,078.7	36.2	36.7	78.14	382.2	363.2	282.0	209.8	72.24	3.904	
10,173.3	10,152.0	10,185.3	10,152.0	36.5	36.9	78.14	382.2	363.2	282.0	209.3	72.76	3.876	
10,200.0	10,178.7	10,212.0	10,178.7	36.5	37.0	-86.69	382.2	363.2	282.0	209.1	72.94	3.866	
10,250.0	10,228.5	10,261.7	10,228.5	36.7	37.2	-87.63	382.2	363.2	281.8	208.5	73.25	3.847	
10,300.0	10,277.7	10,310.9	10,277.7	36.8	37.3	-89.41	382.2	363.2	281.5	208.0	73.54	3.828	
10,312.8	10,290.1	10,323.4	10,290.1	36.9	37.4	-90.00	382.2	363.2	281.5	207.9	73.61	3.825	
10,350.0	10,325.9	10,359.2	10,325.9	37.0	37.5	-91.96	382.2	363.2	281.7	207.9	73.80	3.817	
10,400.0	10,372.8	10,406.1	10,372.8	37.1	37.7	-95.13	382.2	363.2	282.8	208.8	74.05	3.820	
10,450.0	10,418.1	10,451.3	10,418.1	37.2	37.8	-98.70	382.2	363.2	285.7	211.4	74.27	3.846	
10,500.0	10,461.3	10,505.4	10,461.3	37.3	38.0	-102.44	382.2	363.2	291.0	216.5	74.53	3.905	
10,550.0	10,502.1	10,535.4	10,502.1	37.4	38.1	-106.08	382.2	363.2	299.6	224.9	74.71	4.010	
10,600.0	10,540.3	10,573.6	10,540.3	37.5	38.3	-109.39	382.2	363.2	312.1	237.2	74.93	4.166	
10,650.0	10,575.6	10,608.8	10,575.6	37.6	38.4	-112.16	382.2	363.2	329.0	253.8	75.15	4.378	
10,700.0	10,607.6	10,640.9	10,607.6	37.7	38.5	-114.20	382.2	363.2	350.4	275.0	75.37	4.649	
10,750.0	10,636.1	10,669.4	10,636.1	37.8	38.6	-115.37	382.2	363.2	376.3	300.7	75.58	4.978	
10,800.0	10,661.0	10,705.7	10,661.0	37.9	38.7	-115.54	382.2	363.2	406.3	330.5	75.82	5.359	
10,850.0	10,682.0	10,715.3	10,682.0	38.0	38.8	-114.54	382.2	363.2	440.2	364.2	75.96	5.795	
10,900.0	10,698.9	10,732.2	10,698.9	38.1	38.8	-112.18	382.2	363.2	477.3	401.1	76.11	6.271	
10,950.0	10,711.7	10,745.0	10,711.7	38.2	38.9	-108.21	382.2	363.2	517.1	440.8	76.24	6.782	
11,000.0	10,720.3	10,753.5	10,720.3	38.3	38.9	-102.35	382.2	363.2	559.0	482.7	76.33	7.323	
11,050.0	10,724.5	10,757.8	10,724.5	38.5	38.9	-94.40	382.2	363.2	602.6	526.2	76.40	7.887	
11,073.3	10,725.0	10,758.2	10,725.0	38.5	38.9	-90.00	382.2	363.2	623.3	546.8	76.43	8.155	
11,100.0	10,725.0	10,758.2	10,725.0	38.6	38.9	-90.00	382.2	363.2	647.2	570.8	76.45	8.466	
11,200.0	10,725.0	10,758.2	10,725.0	39.0	38.9	-90.00	382.2	363.2	739.5	663.0	76.53	9.663	
11,300.0	10,725.0	10,758.2	10,725.0	39.4	38.9	-90.00	382.2	363.2	834.7	758.1	76.59	10.898	
11,400.0	10,725.0	10,758.2	10,725.0	39.8	38.9	-90.00	382.2	363.2	931.7	855.1	76.64	12.157	
11,500.0	10,725.0	10,758.2	10,725.0	40.4	38.9	-90.00	382.2	363.2	1,030.0	953.3	76.67	13.433	
11,600.0	10,725.0	10,758.2	10,725.0	40.9	38.9	-90.00	382.2	363.2	1,129.0	1,052.3	76.70	14.720	
11,700.0	10,725.0	10,758.2	10,725.0	41.6	38.9	-90.00	382.2	363.2	1,228.6	1,151.9	76.72	16.014	
11,800.0	10,725.0	10,758.2	10,725.0	42.2	38.9	-90.01	382.2	363.2	1,328.5	1,251.7	76.74	17.311	
11,820.3	10,725.0	10,758.2	10,725.0	42.3	38.9	-90.01	382.2	363.2	1,348.7	1,272.0	76.74	17.574	
11,900.0	10,725.0	10,758.2	10,725.0	42.9	38.9	-90.01	382.2	363.2	1,428.5	1,351.7	76.76	18.610	
12,000.0	10,725.0	10,758.2	10,725.0	43.7	38.9	-90.01	382.2	363.2	1,528.4	1,451.7	76.77	19.909	
12,100.0	10,725.0	10,758.2	10,725.0	44.4	38.9	-90.01	382.2	363.2	1,628.4	1,551.6	76.79	21.206	
12,200.0	10,725.0	10,758.2	10,725.0	45.3	38.9	-90.01	382.2	363.2	1,728.4	1,651.6	76.81	22.503	
12,300.0	10,725.0	10,758.2	10,725.0	46.2	38.9	-90.01	382.2	363.2	1,828.4	1,751.5	76.82	23.799	
12,400.0	10,725.0	10,758.2	10,725.0	47.1	38.9	-90.02	382.2	363.2	1,928.4	1,851.5	76.84	25.094	
12,500.0	10,725.0	14,504.8	12,679.0	48.1	53.3	179.99	-1,646.1	343.8	1,954.0	1,906.8	47.18	41.415	
12,600.0	10,725.0	14,604.8	12,679.0	49.1	54.2	179.99	-1,746.1	344.5	1,954.0	1,905.8	48.22	40.519	
12,700.0	10,725.0	14,704.8	12,679.0	50.1	55.1	179.99	-1,846.1	345.1	1,954.0	1,904.7	49.29	39.639	
12,800.0	10,725.0	14,804.8	12,679.0	51.2	56.1	179.99	-1,946.1	345.7	1,954.0	1,903.6	50.39	38.777	
12,900.0	10,725.0	14,904.8	12,679.0	52.3	57.1	179.99	-2,046.1	346.4	1,954.0	1,902.5	51.51	37.933	
13,000.0	10,725.0	15,004.8	12,679.0	53.4	58.1	179.99	-2,146.1	347.0	1,954.0	1,901.3	52.65	37.110	
13,100.0	10,725.0	15,104.8	12,679.0	54.6	59.2	179.99	-2,246.1	347.6	1,954.0	1,900.2	53.82	36.307	
13,200.0	10,725.0	15,204.8	12,679.0	55.7	60.2	179.99	-2,346.1	348.3	1,954.0	1,899.0	55.00	35.525	
13,300.0	10,725.0	15,304.8	12,679.0	56.9	61.4	179.99	-2,446.1	348.9	1,954.0	1,897.8	56.21	34.765	
13,400.0	10,725.0	15,404.8	12,679.0	58.2	62.5	179.99	-2,546.1	349.5	1,954.0	1,896.6	57.43	34.026	
13,500.0	10,725.0	15,504.8	12,679.0	59.4	63.7	179.99	-2,646.1	350.2	1,954.0	1,895.3	58.66	33.309	
13,600.0	10,725.0	15,604.8	12,679.0	60.7	64.8	179.99	-2,746.0	350.8	1,954.0	1,894.1	59.92	32.613	
13,700.0	10,725.0	15,704.8	12,679.0	62.0	66.0	179.99	-2,846.0	351.4	1,954.0	1,892.8	61.18	31.938	
13,800.0	10,725.0	15,804.8	12,679.0	63.3	67.2	179.99	-2,946.0	352.1	1,954.0	1,891.5	62.46	31.283	

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
13,900.0	10,725.0	15,904.8	12,679.0	64.6	68.5	179.99	-3,046.0	352.7	1,954.0	1,890.2	63.75	30.649	
14,000.0	10,725.0	15,995.2	12,679.0	65.9	69.6	179.99	-3,146.0	353.3	1,954.0	1,889.0	65.00	30.062	
14,100.0	10,725.0	16,104.8	12,679.0	67.3	71.0	179.99	-3,246.0	354.0	1,954.0	1,887.6	66.37	29.439	
14,200.0	10,725.0	16,204.8	12,679.0	68.6	72.3	179.99	-3,346.0	354.6	1,954.0	1,886.3	67.70	28.862	
14,300.0	10,725.0	16,304.8	12,679.0	70.0	73.6	179.99	-3,446.0	355.2	1,954.0	1,885.0	69.04	28.303	
14,400.0	10,725.0	16,404.8	12,679.0	71.4	74.9	179.99	-3,546.0	355.9	1,954.0	1,883.6	70.38	27.762	
14,500.0	10,725.0	16,504.8	12,679.0	72.8	76.2	179.99	-3,646.0	356.5	1,954.0	1,882.3	71.74	27.238	
14,600.0	10,725.0	16,604.8	12,679.0	74.2	77.6	179.99	-3,746.0	357.1	1,954.0	1,880.9	73.10	26.729	
14,700.0	10,725.0	16,704.8	12,679.0	75.6	78.9	179.99	-3,846.0	357.8	1,954.0	1,879.5	74.47	26.237	
14,800.0	10,725.0	16,804.8	12,679.0	77.0	80.3	179.99	-3,946.0	358.4	1,954.0	1,878.1	75.85	25.760	
14,900.0	10,725.0	16,904.8	12,679.0	78.5	81.7	179.99	-4,046.0	359.0	1,954.0	1,876.8	77.24	25.298	
15,000.0	10,725.0	17,004.8	12,679.0	79.9	83.0	179.99	-4,146.0	359.7	1,954.0	1,875.4	78.63	24.850	
15,100.0	10,725.0	17,104.8	12,679.0	81.3	84.4	179.99	-4,246.0	360.3	1,954.0	1,874.0	80.03	24.415	
15,200.0	10,725.0	17,204.8	12,679.0	82.8	85.8	179.99	-4,346.0	360.9	1,954.0	1,872.6	81.44	23.994	
15,300.0	10,725.0	17,304.8	12,679.0	84.3	87.2	179.99	-4,446.0	361.6	1,954.0	1,871.2	82.85	23.585	
15,400.0	10,725.0	17,404.8	12,679.0	85.7	88.7	179.99	-4,546.0	362.2	1,954.0	1,869.7	84.27	23.188	
15,500.0	10,725.0	17,495.2	12,679.0	87.2	89.9	179.99	-4,646.0	362.8	1,954.0	1,868.4	85.62	22.821	
15,600.0	10,725.0	17,604.8	12,679.0	88.7	91.5	179.99	-4,746.0	363.5	1,954.0	1,866.9	87.12	22.430	
15,700.0	10,725.0	17,704.8	12,679.0	90.2	93.0	179.99	-4,846.0	364.1	1,954.0	1,865.5	88.55	22.067	
15,800.0	10,725.0	17,804.8	12,679.0	91.7	94.4	179.99	-4,946.0	364.7	1,954.0	1,864.0	89.98	21.715	
15,900.0	10,725.0	17,904.8	12,679.0	93.2	95.9	179.99	-5,046.0	365.4	1,954.0	1,862.6	91.43	21.373	
16,000.0	10,725.0	18,004.8	12,679.0	94.7	97.3	179.99	-5,146.0	366.0	1,954.0	1,861.1	92.87	21.040	
16,100.0	10,725.0	18,104.8	12,679.0	96.2	98.8	179.99	-5,246.0	366.6	1,954.0	1,859.7	94.32	20.717	
16,200.0	10,725.0	18,204.8	12,679.0	97.7	100.3	180.00	-5,346.0	367.3	1,954.0	1,858.2	95.77	20.403	
16,300.0	10,725.0	18,304.8	12,679.0	99.2	101.7	180.00	-5,446.0	367.9	1,954.0	1,856.8	97.23	20.097	
16,400.0	10,725.0	18,404.8	12,679.0	100.8	103.2	180.00	-5,546.0	368.5	1,954.0	1,855.3	98.69	19.800	
16,500.0	10,725.0	18,504.8	12,679.0	102.3	104.7	180.00	-5,646.0	369.2	1,954.0	1,853.8	100.15	19.511	
16,600.0	10,725.0	18,604.8	12,679.0	103.8	106.2	180.00	-5,746.0	369.8	1,954.0	1,852.4	101.62	19.229	
16,700.0	10,725.0	18,704.8	12,679.0	105.4	107.7	180.00	-5,846.0	370.4	1,954.0	1,850.9	103.09	18.955	
16,800.0	10,725.0	18,804.8	12,679.0	106.9	109.2	180.00	-5,946.0	371.1	1,954.0	1,849.4	104.56	18.688	
16,900.0	10,725.0	18,904.8	12,679.0	108.4	110.7	180.00	-6,046.0	371.7	1,954.0	1,848.0	106.03	18.428	
17,000.0	10,725.0	19,004.8	12,679.0	110.0	112.2	180.00	-6,146.0	372.3	1,954.0	1,846.5	107.51	18.175	
17,100.0	10,725.0	19,104.8	12,679.0	111.5	113.8	180.00	-6,246.0	373.0	1,954.0	1,845.0	108.99	17.928	
17,200.0	10,725.0	19,204.8	12,679.0	113.1	115.3	180.00	-6,346.0	373.6	1,954.0	1,843.5	110.47	17.688	
17,300.0	10,725.0	19,304.8	12,679.0	114.6	116.8	180.00	-6,446.0	374.2	1,954.0	1,842.0	111.96	17.453	
17,400.0	10,725.0	19,404.8	12,679.0	116.2	118.3	180.00	-6,546.0	374.9	1,954.0	1,840.6	113.44	17.224	
17,500.0	10,725.0	19,504.8	12,679.0	117.8	119.8	180.00	-6,646.0	375.5	1,954.0	1,839.1	114.93	17.001	
17,600.0	10,725.0	19,604.8	12,679.0	119.3	121.4	180.00	-6,746.0	376.1	1,954.0	1,837.6	116.43	16.783	
17,700.0	10,725.0	19,695.2	12,679.0	120.9	122.8	180.00	-6,846.0	376.8	1,954.0	1,836.2	117.85	16.581	
17,800.0	10,725.0	19,804.8	12,679.0	122.5	124.5	180.00	-6,946.0	377.4	1,954.0	1,834.6	119.41	16.363	
17,900.0	10,725.0	19,904.8	12,679.0	124.0	126.0	180.00	-7,046.0	378.0	1,954.0	1,833.1	120.91	16.161	
18,000.0	10,725.0	20,004.8	12,679.0	125.6	127.5	180.00	-7,146.0	378.7	1,954.0	1,831.6	122.41	15.963	
18,100.0	10,725.0	20,104.8	12,679.0	127.2	129.1	180.00	-7,246.0	379.3	1,954.0	1,830.1	123.91	15.769	
18,200.0	10,725.0	20,204.8	12,679.0	128.8	130.6	180.00	-7,346.0	379.9	1,954.0	1,828.6	125.41	15.580	
18,300.0	10,725.0	20,304.8	12,679.0	130.3	132.2	180.00	-7,446.0	380.6	1,954.0	1,827.1	126.92	15.396	
18,400.0	10,725.0	20,404.8	12,679.0	131.9	133.7	180.00	-7,546.0	381.2	1,954.0	1,825.6	128.42	15.215	
18,500.0	10,725.0	20,504.8	12,679.0	133.5	135.3	180.00	-7,646.0	381.8	1,954.0	1,824.1	129.93	15.039	
18,600.0	10,725.0	20,604.8	12,679.0	135.1	136.9	180.00	-7,745.9	382.5	1,954.0	1,822.6	131.44	14.866	
18,700.0	10,725.0	20,704.8	12,679.0	136.7	138.4	180.00	-7,845.9	383.1	1,954.0	1,821.1	132.95	14.697	
18,800.0	10,725.0	20,804.8	12,679.0	138.2	140.0	180.00	-7,945.9	383.7	1,954.0	1,819.5	134.46	14.532	
18,900.0	10,725.0	20,904.8	12,679.0	139.8	141.6	180.00	-8,045.9	384.4	1,954.0	1,818.0	135.97	14.371	
19,000.0	10,725.0	21,004.8	12,679.0	141.4	143.1	180.00	-8,145.9	385.0	1,954.0	1,816.5	137.49	14.212	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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
19,100.0	10,725.0	21,104.8	12,679.0	143.0	144.7	180.00	-8,245.9	385.6	1,954.0	1,815.0	139.00	14.057	
19,200.0	10,725.0	21,204.8	12,679.0	144.6	146.3	180.00	-8,345.9	386.3	1,954.0	1,813.5	140.52	13.906	
19,300.0	10,725.0	21,304.8	12,679.0	146.2	147.8	180.00	-8,445.9	386.9	1,954.0	1,812.0	142.03	13.757	
19,400.0	10,725.0	21,404.8	12,679.0	147.8	149.4	180.00	-8,545.9	387.5	1,954.0	1,810.4	143.55	13.612	
19,500.0	10,725.0	21,504.8	12,679.0	149.4	151.0	180.00	-8,645.9	388.2	1,954.0	1,808.9	145.07	13.469	
19,600.0	10,725.0	21,604.8	12,679.0	151.0	152.6	180.00	-8,745.9	388.8	1,954.0	1,807.4	146.59	13.329	
19,700.0	10,725.0	21,704.8	12,679.0	152.6	154.1	180.00	-8,845.9	389.4	1,954.0	1,805.9	148.12	13.192	
19,800.0	10,725.0	21,804.8	12,679.0	154.2	155.7	180.00	-8,945.9	390.1	1,954.0	1,804.4	149.64	13.058	
19,900.0	10,725.0	21,904.8	12,679.0	155.8	157.3	180.00	-9,045.9	390.7	1,954.0	1,802.8	151.16	12.927	
20,000.0	10,725.0	22,004.8	12,679.0	157.4	158.9	180.00	-9,145.9	391.3	1,954.0	1,801.3	152.69	12.797	
20,100.0	10,725.0	22,104.8	12,679.0	159.0	160.5	180.00	-9,245.9	392.0	1,954.0	1,799.8	154.21	12.671	
20,200.0	10,725.0	22,204.8	12,679.0	160.6	162.1	180.00	-9,345.9	392.6	1,954.0	1,798.3	155.74	12.547	
20,300.0	10,725.0	22,304.8	12,679.0	162.2	163.6	180.00	-9,445.9	393.3	1,954.0	1,796.7	157.27	12.425	
20,400.0	10,725.0	22,404.8	12,679.0	163.8	165.2	180.00	-9,545.9	393.9	1,954.0	1,795.2	158.79	12.305	
20,500.0	10,725.0	22,504.8	12,679.0	165.4	166.8	180.00	-9,645.9	394.5	1,954.0	1,793.7	160.32	12.188	
20,600.0	10,725.0	22,604.8	12,679.0	167.0	168.4	180.00	-9,745.9	395.2	1,954.0	1,792.1	161.85	12.073	
20,700.0	10,725.0	22,704.8	12,679.0	168.6	170.0	180.00	-9,845.9	395.8	1,954.0	1,790.6	163.38	11.960	
20,800.0	10,725.0	22,795.2	12,679.0	170.2	171.5	180.00	-9,945.9	396.4	1,954.0	1,789.2	164.84	11.854	
20,846.3	10,725.0	22,841.5	12,679.0	171.0	172.1	180.00	-9,992.2	396.7	1,954.0	1,788.6	165.39	11.814	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 #244H - 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	89.59	0.4	60.0	60.0				
100.0	100.0	101.0	101.0	0.1	0.1	89.59	0.4	60.0	60.0	59.8	0.26	230.941	
200.0	200.0	201.0	201.0	0.5	0.5	89.59	0.4	60.0	60.0	59.0	0.98	61.443	
300.0	300.0	301.0	301.0	0.8	0.8	89.59	0.4	60.0	60.0	58.3	1.69	35.435	
400.0	400.0	401.0	401.0	1.2	1.2	89.59	0.4	60.0	60.0	57.6	2.41	24.897	
500.0	500.0	501.0	501.0	1.6	1.6	89.59	0.4	60.0	60.0	56.9	3.13	19.190	
600.0	600.0	601.0	601.0	1.9	1.9	89.59	0.4	60.0	60.0	56.2	3.84	15.611	
700.0	700.0	701.0	701.0	2.3	2.3	89.59	0.4	60.0	60.0	55.5	4.56	13.158	
800.0	800.0	801.0	801.0	2.6	2.6	89.59	0.4	60.0	60.0	54.7	5.28	11.371	
900.0	900.0	901.0	901.0	3.0	3.0	89.59	0.4	60.0	60.0	54.0	6.00	10.011	
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	89.59	0.4	60.0	60.0	53.3	6.71	8.942	
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	89.59	0.4	60.0	60.0	52.6	7.43	8.079	
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	89.59	0.4	60.0	60.0	51.9	8.15	7.368	
1,300.0	1,300.0	1,301.0	1,301.0	4.4	4.4	75.35	0.4	60.0	59.8	50.9	8.86	6.747	
1,400.0	1,400.0	1,401.0	1,401.0	4.8	4.8	77.80	0.4	60.0	59.2	49.6	9.58	6.179	
1,500.0	1,499.9	1,500.9	1,500.9	5.1	5.1	81.99	0.4	60.0	58.4	48.1	10.29	5.675	
1,600.0	1,599.7	1,600.7	1,600.7	5.5	5.5	87.98	0.4	60.0	57.9	46.9	11.01	5.257	
1,628.3	1,627.9	1,628.9	1,628.9	5.6	5.6	90.00	0.4	60.0	57.8	46.6	11.21	5.159	
1,700.0	1,699.4	1,700.4	1,700.4	5.9	5.9	95.71	0.4	60.0	58.1	46.4	11.73	4.957	
1,800.0	1,798.9	1,799.9	1,799.9	6.2	6.2	104.82	0.4	60.0	59.9	47.4	12.45	4.808	
1,900.0	1,898.3	1,899.8	1,899.7	6.6	6.6	113.97	1.3	60.2	63.3	50.2	13.17	4.807	
2,000.0	1,997.4	1,999.8	1,999.7	7.0	6.9	122.03	3.8	60.8	68.2	54.3	13.90	4.906	
2,100.0	2,096.4	2,100.1	2,099.9	7.3	7.3	128.46	8.1	61.8	73.6	59.0	14.62	5.034	
2,200.0	2,195.5	2,200.7	2,200.4	7.7	7.7	133.08	14.1	63.2	78.6	63.2	15.35	5.120	
2,300.0	2,294.5	2,301.5	2,300.9	8.1	8.0	136.32	21.8	65.0	82.7	66.6	16.07	5.144	
2,400.0	2,393.5	2,402.6	2,401.5	8.5	8.4	138.52	31.3	67.1	85.6	68.8	16.80	5.099	
2,500.0	2,492.5	2,503.7	2,502.0	8.9	8.8	139.85	42.5	69.7	87.3	69.8	17.52	4.984	
2,600.0	2,591.6	2,604.9	2,602.3	9.3	9.1	140.43	55.4	72.7	87.6	69.4	18.24	4.804	
2,700.0	2,690.6	2,704.9	2,701.3	9.7	9.5	140.69	69.0	75.8	87.3	68.3	18.99	4.599	
2,800.0	2,789.6	2,804.9	2,800.3	10.1	9.9	140.94	82.5	79.0	87.0	67.3	19.73	4.410	
2,900.0	2,888.6	2,904.9	2,899.3	10.5	10.3	141.20	96.1	82.1	86.7	66.2	20.48	4.234	
3,000.0	2,987.7	3,004.9	2,998.3	10.9	10.6	141.47	109.7	85.2	86.4	65.2	21.23	4.071	
3,100.0	3,086.7	3,104.9	3,097.4	11.3	11.0	141.73	123.2	88.4	86.1	64.1	21.98	3.918	
3,200.0	3,185.7	3,204.9	3,196.4	11.7	11.4	141.99	136.8	91.5	85.8	63.1	22.73	3.775	
3,300.0	3,284.8	3,304.9	3,295.4	12.1	11.8	142.26	150.3	94.6	85.5	62.0	23.48	3.641	
3,400.0	3,383.8	3,404.9	3,394.4	12.5	12.2	142.53	163.9	97.8	85.2	61.0	24.23	3.516	
3,500.0	3,482.8	3,504.9	3,493.5	12.9	12.6	142.80	177.5	100.9	84.9	59.9	24.99	3.398	
3,600.0	3,581.8	3,604.9	3,592.5	13.3	13.0	143.07	191.0	104.0	84.6	58.9	25.74	3.287	
3,700.0	3,680.9	3,704.9	3,691.5	13.7	13.4	143.35	204.6	107.1	84.3	57.8	26.50	3.182	
3,744.5	3,724.9	3,749.3	3,735.5	13.9	13.5	143.47	210.6	108.5	84.2	57.4	26.83	3.138	
3,800.0	3,779.9	3,804.9	3,790.5	14.1	13.8	143.46	218.1	110.3	83.7	56.5	27.25	3.071	
3,900.0	3,879.3	3,904.8	3,889.5	14.5	14.2	142.56	231.7	113.4	81.2	53.2	28.02	2.898	
4,000.0	3,978.9	4,004.7	3,988.4	14.9	14.6	140.37	245.2	116.5	76.7	47.9	28.81	2.662	
4,100.0	4,078.8	4,104.3	4,087.1	15.3	15.0	136.48	258.8	119.7	70.4	40.8	29.63	2.376	
4,200.0	4,178.7	4,203.8	4,185.6	15.6	15.4	130.07	272.2	122.8	62.7	32.2	30.49	2.057	
4,277.8	4,256.5	4,280.9	4,262.0	15.9	15.7	137.52	282.7	125.2	56.4	25.2	31.21	1.808	
4,300.0	4,278.7	4,302.9	4,283.7	16.0	15.8	134.87	285.7	125.9	54.7	23.3	31.42	1.742	
4,400.0	4,378.7	4,401.9	4,381.8	16.3	16.2	120.97	299.1	129.0	48.8	16.4	32.36	1.507	
4,500.0	4,478.7	4,501.0	4,479.9	16.6	16.6	104.55	312.5	132.1	46.4	13.2	33.19	1.397	Level 3
4,509.1	4,487.8	4,510.0	4,488.8	16.7	16.6	103.00	313.8	132.4	46.4	13.1	33.26	1.394	Level 3, CC
4,600.0	4,578.7	4,600.0	4,577.9	17.0	17.0	87.88	326.0	135.2	48.0	14.2	33.82	1.421	Level 3
4,700.0	4,678.7	4,701.0	4,676.0	17.3	17.4	73.42	339.4	138.3	53.4	19.1	34.32	1.557	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 #244H - 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
4,800.0	4,778.7	4,798.7	4,774.8	17.7	17.8	62.48	352.4	141.3	61.2	26.3	34.82	1.757	
4,900.0	4,878.7	4,899.3	4,874.8	18.0	18.2	55.51	363.0	143.7	68.8	33.4	35.41	1.942	
5,000.0	4,978.7	5,000.5	4,975.6	18.3	18.5	51.19	371.2	145.6	75.1	39.0	36.05	2.083	
5,100.0	5,078.7	5,102.0	5,076.9	18.7	18.9	48.65	376.7	146.9	79.6	42.9	36.70	2.168	
5,200.0	5,178.7	5,203.7	5,178.6	19.0	19.3	47.42	379.7	147.6	82.0	44.6	37.36	2.195	
5,300.0	5,278.7	5,304.8	5,279.7	19.4	19.6	47.22	380.2	147.7	82.4	44.4	38.04	2.167	
5,400.0	5,378.7	5,404.8	5,379.7	19.7	20.0	47.22	380.2	147.7	82.4	43.7	38.74	2.128	
5,500.0	5,478.7	5,504.8	5,479.7	20.1	20.3	47.22	380.2	147.7	82.4	43.0	39.44	2.090	
5,600.0	5,578.7	5,604.8	5,579.7	20.4	20.6	47.22	380.2	147.7	82.4	42.3	40.14	2.053	
5,700.0	5,678.7	5,704.8	5,679.7	20.7	21.0	47.22	380.2	147.7	82.4	41.6	40.84	2.018	
5,800.0	5,778.7	5,804.8	5,779.7	21.1	21.3	47.22	380.2	147.7	82.4	40.9	41.55	1.984	
5,900.0	5,878.7	5,904.8	5,879.7	21.4	21.7	47.22	380.2	147.7	82.4	40.2	42.25	1.951	
6,000.0	5,978.7	6,004.8	5,979.7	21.8	22.0	47.22	380.2	147.7	82.4	39.5	42.95	1.919	
6,100.0	6,078.7	6,104.8	6,079.7	22.1	22.3	47.22	380.2	147.7	82.4	38.8	43.66	1.888	
6,200.0	6,178.7	6,204.8	6,179.7	22.5	22.7	47.22	380.2	147.7	82.4	38.1	44.36	1.858	
6,300.0	6,278.7	6,304.8	6,279.7	22.8	23.0	47.22	380.2	147.7	82.4	37.4	45.07	1.829	
6,400.0	6,378.7	6,404.8	6,379.7	23.2	23.4	47.22	380.2	147.7	82.4	36.6	45.77	1.801	
6,500.0	6,478.7	6,504.8	6,479.7	23.5	23.7	47.22	380.2	147.7	82.4	35.9	46.48	1.773	
6,600.0	6,578.7	6,604.8	6,579.7	23.9	24.1	47.22	380.2	147.7	82.4	35.2	47.18	1.747	
6,700.0	6,678.7	6,704.8	6,679.7	24.2	24.4	47.22	380.2	147.7	82.4	34.5	47.89	1.721	
6,800.0	6,778.7	6,804.8	6,779.7	24.6	24.8	47.22	380.2	147.7	82.4	33.8	48.59	1.696	
6,900.0	6,878.7	6,904.8	6,879.7	24.9	25.1	47.22	380.2	147.7	82.4	33.1	49.30	1.672	
7,000.0	6,978.7	7,004.8	6,979.7	25.3	25.5	47.22	380.2	147.7	82.4	32.4	50.01	1.648	
7,100.0	7,078.7	7,104.8	7,079.7	25.6	25.8	47.22	380.2	147.7	82.4	31.7	50.72	1.625	
7,200.0	7,178.7	7,204.8	7,179.7	26.0	26.2	47.22	380.2	147.7	82.4	31.0	51.42	1.603	
7,300.0	7,278.7	7,304.8	7,279.7	26.3	26.5	47.22	380.2	147.7	82.4	30.3	52.13	1.581	
7,400.0	7,378.7	7,404.8	7,379.7	26.7	26.8	47.22	380.2	147.7	82.4	29.6	52.84	1.560	
7,500.0	7,478.7	7,504.8	7,479.7	27.0	27.2	47.22	380.2	147.7	82.4	28.9	53.55	1.539	
7,600.0	7,578.7	7,604.8	7,579.7	27.4	27.5	47.22	380.2	147.7	82.4	28.2	54.26	1.519	
7,700.0	7,678.7	7,704.8	7,679.7	27.7	27.9	47.22	380.2	147.7	82.4	27.5	54.96	1.500	Level 3
7,800.0	7,778.7	7,804.8	7,779.7	28.1	28.2	47.22	380.2	147.7	82.4	26.7	55.67	1.480	Level 3
7,900.0	7,878.7	7,904.8	7,879.7	28.4	28.6	47.22	380.2	147.7	82.4	26.0	56.38	1.462	Level 3
8,000.0	7,978.7	8,004.8	7,979.7	28.8	28.9	47.22	380.2	147.7	82.4	25.3	57.09	1.444	Level 3
8,100.0	8,078.7	8,104.8	8,079.7	29.1	29.3	47.22	380.2	147.7	82.4	24.6	57.80	1.426	Level 3
8,200.0	8,178.7	8,204.8	8,179.7	29.5	29.6	47.22	380.2	147.7	82.4	23.9	58.51	1.409	Level 3
8,300.0	8,278.7	8,304.8	8,279.7	29.8	30.0	47.22	380.2	147.7	82.4	23.2	59.22	1.392	Level 3
8,400.0	8,378.7	8,404.8	8,379.7	30.2	30.3	47.22	380.2	147.7	82.4	22.5	59.93	1.375	Level 3
8,500.0	8,478.7	8,504.8	8,479.7	30.5	30.7	47.22	380.2	147.7	82.4	21.8	60.64	1.359	Level 3
8,600.0	8,578.7	8,604.8	8,579.7	30.9	31.0	47.22	380.2	147.7	82.4	21.1	61.35	1.343	Level 3
8,700.0	8,678.7	8,704.8	8,679.7	31.2	31.4	47.22	380.2	147.7	82.4	20.4	62.06	1.328	Level 3
8,800.0	8,778.7	8,804.8	8,779.7	31.6	31.7	47.22	380.2	147.7	82.4	19.6	62.77	1.313	Level 3
8,900.0	8,878.7	8,904.8	8,879.7	32.0	32.1	47.22	380.2	147.7	82.4	18.9	63.48	1.298	Level 3
9,000.0	8,978.7	9,004.8	8,979.7	32.3	32.5	47.22	380.2	147.7	82.4	18.2	64.19	1.284	Level 3
9,100.0	9,078.7	9,104.8	9,079.7	32.7	32.8	47.22	380.2	147.7	82.4	17.5	64.91	1.270	Level 3
9,200.0	9,178.7	9,204.8	9,179.7	33.0	33.2	47.22	380.2	147.7	82.4	16.8	65.62	1.256	Level 3
9,300.0	9,278.7	9,304.8	9,279.7	33.4	33.5	47.22	380.2	147.7	82.4	16.1	66.33	1.243	Level 2
9,400.0	9,378.7	9,404.8	9,379.7	33.7	33.9	47.22	380.2	147.7	82.4	15.4	67.04	1.229	Level 2
9,500.0	9,478.7	9,504.8	9,479.7	34.1	34.2	47.22	380.2	147.7	82.4	14.7	67.75	1.217	Level 2
9,600.0	9,578.7	9,604.8	9,579.7	34.4	34.6	47.22	380.2	147.7	82.4	14.0	68.46	1.204	Level 2
9,700.0	9,678.7	9,704.8	9,679.7	34.8	34.9	47.22	380.2	147.7	82.4	13.2	69.17	1.191	Level 2
9,800.0	9,778.7	9,804.8	9,779.7	35.1	35.3	47.22	380.2	147.7	82.4	12.5	69.89	1.179	Level 2
9,900.0	9,878.7	9,904.8	9,879.7	35.5	35.6	47.22	380.2	147.7	82.4	11.8	70.60	1.167	Level 2

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 #244H - 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	9,978.7	10,004.8	9,979.7	35.8	36.0	47.22	380.2	147.7	82.4	11.1	71.31	1.156	Level 2
10,100.0	10,078.7	10,104.8	10,079.7	36.2	36.3	47.22	380.2	147.7	82.4	10.4	72.02	1.144	Level 2
10,173.3	10,152.0	10,178.1	10,153.0	36.5	36.6	47.22	380.2	147.7	82.4	9.9	72.54	1.136	Level 2, ES, SF
10,200.0	10,178.7	10,204.8	10,179.7	36.5	36.7	-117.83	380.2	147.7	82.7	10.0	72.73	1.137	Level 2
10,250.0	10,228.5	10,254.5	10,229.5	36.7	36.9	-120.32	380.2	147.7	84.9	11.9	73.03	1.163	Level 2
10,300.0	10,277.7	10,303.7	10,278.7	36.8	37.0	-124.74	380.2	147.7	89.7	16.4	73.31	1.224	Level 2
10,350.0	10,325.9	10,352.0	10,326.9	37.0	37.2	-130.29	380.2	147.7	97.9	24.3	73.59	1.330	Level 3
10,400.0	10,372.8	10,401.1	10,373.8	37.1	37.4	-136.08	380.2	147.7	110.1	36.2	73.87	1.490	Level 3
10,450.0	10,418.1	10,444.1	10,419.1	37.2	37.5	-141.43	380.2	147.7	126.8	52.6	74.15	1.710	
10,500.0	10,461.3	10,487.4	10,462.3	37.3	37.7	-145.98	380.2	147.7	148.0	73.6	74.43	1.988	
10,550.0	10,502.1	10,528.2	10,503.1	37.4	37.8	-149.60	380.2	147.7	173.6	98.9	74.70	2.324	
10,600.0	10,540.3	10,566.4	10,541.3	37.5	38.0	-152.33	380.2	147.7	203.3	128.4	74.95	2.712	
10,650.0	10,575.6	10,601.7	10,576.6	37.6	38.1	-154.25	380.2	147.7	236.7	161.5	75.18	3.149	
10,700.0	10,607.6	10,633.7	10,608.6	37.7	38.2	-155.41	380.2	147.7	273.5	198.1	75.39	3.628	
10,750.0	10,636.1	10,662.2	10,637.1	37.8	38.3	-155.82	380.2	147.7	313.2	237.7	75.56	4.145	
10,800.0	10,661.0	10,687.1	10,662.0	37.9	38.4	-155.40	380.2	147.7	355.5	279.8	75.71	4.696	
10,850.0	10,682.0	10,708.1	10,683.0	38.0	38.5	-153.93	380.2	147.7	400.0	324.2	75.83	5.275	
10,900.0	10,698.9	10,725.0	10,699.9	38.1	38.5	-150.86	380.2	147.7	446.3	370.4	75.93	5.878	
10,950.0	10,711.7	10,737.8	10,712.7	38.2	38.6	-144.98	380.2	147.7	494.1	418.1	76.00	6.501	
11,000.0	10,720.3	10,746.4	10,721.3	38.3	38.6	-133.18	380.2	147.7	542.8	466.8	76.05	7.138	
11,050.0	10,724.5	10,750.6	10,725.5	38.5	38.6	-108.10	380.2	147.7	592.2	516.1	76.08	7.784	
11,073.3	10,725.0	10,751.0	10,726.0	38.5	38.6	-90.00	380.2	147.7	615.3	539.3	76.09	8.088	
11,100.0	10,725.0	10,751.0	10,726.0	38.6	38.6	-90.00	380.2	147.7	641.9	565.8	76.09	8.436	
11,200.0	10,725.0	10,751.0	10,726.0	39.0	38.6	-90.00	380.2	147.7	741.5	665.4	76.10	9.744	
11,300.0	10,725.0	10,751.0	10,726.0	39.4	38.6	-90.00	380.2	147.7	841.5	765.3	76.12	11.055	
11,400.0	10,725.0	10,751.0	10,726.0	39.8	38.6	90.01	380.2	147.7	941.5	865.3	76.12	12.367	
11,500.0	10,725.0	10,751.0	10,726.0	40.4	38.6	90.00	380.2	147.7	1,041.4	965.3	76.13	13.679	
11,600.0	10,725.0	10,751.0	10,726.0	40.9	38.6	90.00	380.2	147.7	1,141.2	1,065.1	76.14	14.988	
11,700.0	10,725.0	10,751.0	10,726.0	41.6	38.6	90.00	380.2	147.7	1,240.8	1,164.6	76.15	16.295	
11,800.0	10,725.0	10,751.0	10,726.0	42.2	38.6	90.00	380.2	147.7	1,340.1	1,263.9	76.15	17.597	
11,820.3	10,725.0	10,751.0	10,726.0	42.3	38.6	90.00	380.2	147.7	1,360.2	1,284.0	76.15	17.861	
11,900.0	10,725.0	10,751.0	10,726.0	42.9	38.6	90.00	380.2	147.7	1,439.2	1,363.1	76.16	18.897	
12,000.0	10,725.0	10,751.0	10,726.0	43.7	38.6	90.00	380.2	147.7	1,538.5	1,462.3	76.17	20.197	
12,100.0	10,725.0	10,751.0	10,726.0	44.4	38.6	90.00	380.2	147.7	1,637.8	1,561.6	76.18	21.498	
12,200.0	10,725.0	10,751.0	10,726.0	45.3	38.6	90.00	380.2	147.7	1,737.2	1,661.0	76.20	22.799	
12,300.0	10,725.0	10,751.0	10,726.0	46.2	38.6	90.00	380.2	147.7	1,836.7	1,760.4	76.21	24.099	
12,400.0	10,725.0	10,751.0	10,726.0	47.1	38.6	90.00	380.2	147.7	1,936.2	1,860.0	76.23	25.400	
12,500.0	10,725.0	10,751.0	10,726.0	48.1	38.6	90.00	380.2	147.7	2,035.7	1,959.5	76.25	26.700	
12,600.0	10,725.0	10,751.0	10,726.0	49.1	38.6	90.00	380.2	147.7	2,135.4	2,059.1	76.26	28.000	
12,700.0	10,725.0	10,751.0	10,726.0	50.1	38.6	90.00	380.2	147.7	2,235.0	2,158.7	76.28	29.299	
12,800.0	10,725.0	10,751.0	10,726.0	51.2	38.6	90.00	380.2	147.7	2,334.7	2,258.4	76.31	30.597	
12,900.0	10,725.0	10,751.0	10,726.0	52.3	38.6	90.00	380.2	147.7	2,434.4	2,358.1	76.33	31.894	
13,000.0	10,725.0	10,751.0	10,726.0	53.4	38.6	90.00	380.2	147.7	2,534.1	2,457.8	76.35	33.190	
13,100.0	10,725.0	10,751.0	10,726.0	54.6	38.6	90.00	380.2	147.7	2,633.9	2,557.5	76.38	34.486	
13,200.0	10,725.0	10,751.0	10,726.0	55.7	38.6	90.00	380.2	147.7	2,733.6	2,657.2	76.40	35.780	
13,300.0	10,725.0	10,751.0	10,726.0	56.9	38.6	90.00	380.2	147.7	2,833.4	2,757.0	76.43	37.073	
13,400.0	10,725.0	10,751.0	10,726.0	58.2	38.6	90.00	380.2	147.7	2,933.2	2,856.7	76.46	38.365	
13,500.0	10,725.0	16,551.8	13,736.0	59.4	66.1	174.09	-2,648.0	38.9	3,026.1	2,963.6	62.45	48.453	
13,600.0	10,725.0	16,651.8	13,736.0	60.7	67.2	174.09	-2,748.0	39.5	3,026.1	2,962.4	63.68	47.521	
13,700.0	10,725.0	16,751.8	13,736.0	62.0	68.4	174.09	-2,848.0	40.1	3,026.1	2,961.2	64.92	46.614	
13,800.0	10,725.0	16,851.8	13,736.0	63.3	69.5	174.09	-2,948.0	40.8	3,026.1	2,959.9	66.17	45.730	
13,900.0	10,725.0	16,951.8	13,736.0	64.6	70.7	174.09	-3,048.0	41.4	3,026.1	2,958.6	67.44	44.870	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 #244H - 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
14,000.0	10,725.0	17,051.8	13,736.0	65.9	71.9	174.09	-3,148.0	42.0	3,026.1	2,957.4	68.72	44.033	
14,100.0	10,725.0	17,151.8	13,736.0	67.3	73.1	174.09	-3,248.0	42.6	3,026.1	2,956.1	70.02	43.218	
14,200.0	10,725.0	17,251.8	13,736.0	68.6	74.4	174.09	-3,348.0	43.3	3,026.1	2,954.8	71.33	42.427	
14,300.0	10,725.0	17,351.8	13,736.0	70.0	75.6	174.09	-3,448.0	43.9	3,026.1	2,953.4	72.64	41.657	
14,400.0	10,725.0	17,451.8	13,736.0	71.4	76.9	174.09	-3,548.0	44.5	3,026.1	2,952.1	73.97	40.909	
14,500.0	10,725.0	17,551.8	13,736.0	72.8	78.2	174.09	-3,648.0	45.1	3,026.1	2,950.8	75.31	40.181	
14,600.0	10,725.0	17,651.8	13,736.0	74.2	79.5	174.09	-3,748.0	45.8	3,026.1	2,949.4	76.66	39.475	
14,700.0	10,725.0	17,751.8	13,736.0	75.6	80.8	174.09	-3,848.0	46.4	3,026.1	2,948.1	78.02	38.788	
14,800.0	10,725.0	17,851.8	13,736.0	77.0	82.1	174.09	-3,948.0	47.0	3,026.1	2,946.7	79.38	38.120	
14,900.0	10,725.0	17,951.8	13,736.0	78.5	83.5	174.09	-4,048.0	47.6	3,026.1	2,945.3	80.76	37.471	
15,000.0	10,725.0	18,051.8	13,736.0	79.9	84.8	174.09	-4,148.0	48.3	3,026.1	2,943.9	82.14	36.841	
15,100.0	10,725.0	18,151.8	13,736.0	81.3	86.2	174.09	-4,248.0	48.9	3,026.1	2,942.6	83.53	36.228	
15,200.0	10,725.0	18,251.8	13,736.0	82.8	87.5	174.09	-4,348.0	49.5	3,026.1	2,941.2	84.93	35.632	
15,300.0	10,725.0	18,351.8	13,736.0	84.3	88.9	174.09	-4,448.0	50.1	3,026.1	2,939.8	86.33	35.052	
15,400.0	10,725.0	18,451.8	13,736.0	85.7	90.3	174.09	-4,548.0	50.8	3,026.1	2,938.4	87.74	34.489	
15,500.0	10,725.0	18,551.8	13,736.0	87.2	91.7	174.09	-4,648.0	51.4	3,026.1	2,936.9	89.16	33.941	
15,600.0	10,725.0	18,651.8	13,736.0	88.7	93.1	174.09	-4,748.0	52.0	3,026.1	2,935.5	90.58	33.408	
15,700.0	10,725.0	18,751.8	13,736.0	90.2	94.5	174.09	-4,847.9	52.6	3,026.1	2,934.1	92.01	32.889	
15,800.0	10,725.0	18,851.8	13,736.0	91.7	95.9	174.09	-4,947.9	53.3	3,026.1	2,932.7	93.44	32.385	
15,900.0	10,725.0	18,951.8	13,736.0	93.2	97.3	174.09	-5,047.9	53.9	3,026.1	2,931.2	94.88	31.894	
16,000.0	10,725.0	19,051.8	13,736.0	94.7	98.8	174.09	-5,147.9	54.5	3,026.1	2,929.8	96.32	31.416	
16,100.0	10,725.0	19,151.8	13,736.0	96.2	100.2	174.09	-5,247.9	55.1	3,026.1	2,928.3	97.77	30.951	
16,200.0	10,725.0	19,251.8	13,736.0	97.7	101.7	174.09	-5,347.9	55.8	3,026.1	2,926.9	99.22	30.497	
16,300.0	10,725.0	19,351.8	13,736.0	99.2	103.1	174.09	-5,447.9	56.4	3,026.1	2,925.4	100.68	30.056	
16,400.0	10,725.0	19,451.8	13,736.0	100.8	104.6	174.09	-5,547.9	57.0	3,026.1	2,924.0	102.14	29.626	
16,500.0	10,725.0	19,551.8	13,736.0	102.3	106.0	174.09	-5,647.9	57.6	3,026.1	2,922.5	103.61	29.207	
16,600.0	10,725.0	19,651.8	13,736.0	103.8	107.5	174.09	-5,747.9	58.3	3,026.1	2,921.0	105.08	28.799	
16,700.0	10,725.0	19,751.8	13,736.0	105.4	109.0	174.09	-5,847.9	58.9	3,026.1	2,919.5	106.55	28.401	
16,800.0	10,725.0	19,851.8	13,736.0	106.9	110.5	174.09	-5,947.9	59.5	3,026.1	2,918.1	108.03	28.013	
16,900.0	10,725.0	19,951.8	13,736.0	108.4	111.9	174.09	-6,047.9	60.1	3,026.1	2,916.6	109.50	27.634	
17,000.0	10,725.0	20,051.8	13,736.0	110.0	113.4	174.09	-6,147.9	60.8	3,026.1	2,915.1	110.99	27.265	
17,100.0	10,725.0	20,151.8	13,736.0	111.5	114.9	174.09	-6,247.9	61.4	3,026.1	2,913.6	112.47	26.905	
17,200.0	10,725.0	20,251.8	13,736.0	113.1	116.4	174.09	-6,347.9	62.0	3,026.1	2,912.1	113.96	26.554	
17,300.0	10,725.0	20,351.8	13,736.0	114.6	117.9	174.09	-6,447.9	62.6	3,026.1	2,910.6	115.45	26.211	
17,400.0	10,725.0	20,451.8	13,736.0	116.2	119.4	174.09	-6,547.9	63.2	3,026.1	2,909.2	116.95	25.876	
17,500.0	10,725.0	20,551.8	13,736.0	117.8	120.9	174.09	-6,647.9	63.9	3,026.1	2,907.7	118.45	25.549	
17,600.0	10,725.0	20,651.8	13,736.0	119.3	122.5	174.09	-6,747.9	64.5	3,026.1	2,906.2	119.94	25.229	
17,700.0	10,725.0	20,751.8	13,736.0	120.9	124.0	174.09	-6,847.9	65.1	3,026.1	2,904.7	121.45	24.917	
17,800.0	10,725.0	20,851.8	13,736.0	122.5	125.5	174.09	-6,947.9	65.7	3,026.1	2,903.2	122.95	24.612	
17,900.0	10,725.0	20,951.8	13,736.0	124.0	127.0	174.09	-7,047.9	66.4	3,026.1	2,901.6	124.46	24.314	
18,000.0	10,725.0	21,051.8	13,736.0	125.6	128.5	174.09	-7,147.9	67.0	3,026.1	2,900.1	125.97	24.023	
18,100.0	10,725.0	21,151.8	13,736.0	127.2	130.1	174.09	-7,247.9	67.6	3,026.1	2,898.6	127.48	23.738	
18,200.0	10,725.0	21,251.8	13,736.0	128.8	131.6	174.09	-7,347.9	68.2	3,026.1	2,897.1	128.99	23.460	
18,300.0	10,725.0	21,351.8	13,736.0	130.3	133.1	174.09	-7,447.9	68.9	3,026.1	2,895.6	130.51	23.187	
18,400.0	10,725.0	21,451.8	13,736.0	131.9	134.7	174.09	-7,547.9	69.5	3,026.1	2,894.1	132.02	22.921	
18,500.0	10,725.0	21,551.8	13,736.0	133.5	136.2	174.09	-7,647.9	70.1	3,026.1	2,892.6	133.54	22.660	
18,600.0	10,725.0	21,651.8	13,736.0	135.1	137.8	174.09	-7,747.9	70.7	3,026.1	2,891.0	135.06	22.405	
18,700.0	10,725.0	21,751.8	13,736.0	136.7	139.3	174.09	-7,847.9	71.4	3,026.1	2,889.5	136.59	22.155	
18,800.0	10,725.0	21,851.8	13,736.0	138.2	140.9	174.09	-7,947.9	72.0	3,026.1	2,888.0	138.11	21.911	
18,900.0	10,725.0	21,951.8	13,736.0	139.8	142.4	174.09	-8,047.9	72.6	3,026.1	2,886.5	139.64	21.671	
19,000.0	10,725.0	22,051.8	13,736.0	141.4	144.0	174.08	-8,147.9	73.2	3,026.1	2,884.9	141.16	21.437	
19,100.0	10,725.0	22,151.8	13,736.0	143.0	145.5	174.08	-8,247.9	73.9	3,026.1	2,883.4	142.69	21.207	

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 #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 #244H - Wellbore #1 - BLM Plan #2

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

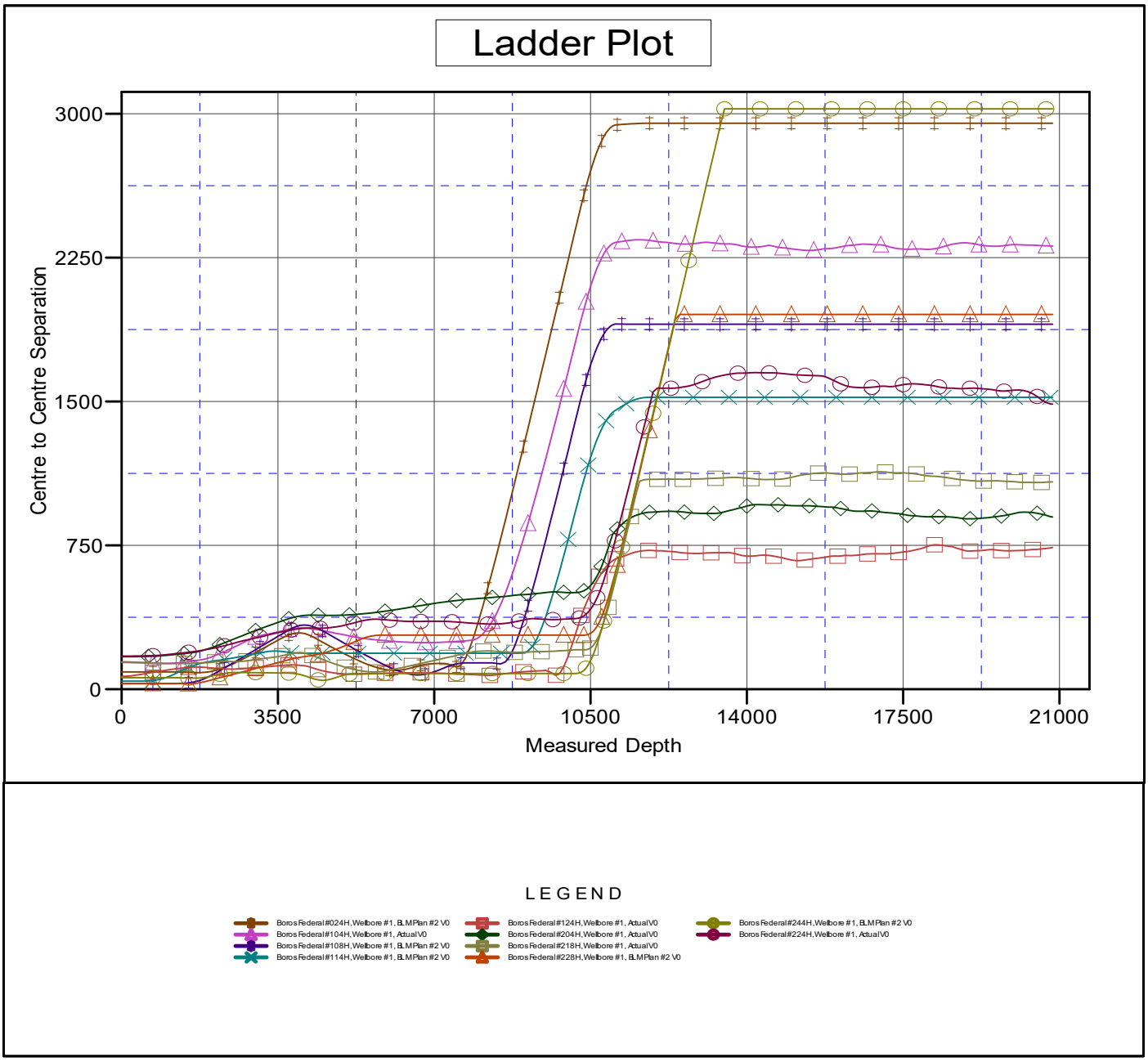
Offset Well Error: 0.0 usft

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	10,725.0	22,251.8	13,736.0	144.6	147.1	174.08	-8,347.9	74.5	3,026.1	2,881.9	144.22	20.982	
19,300.0	10,725.0	22,351.8	13,736.0	146.2	148.6	174.08	-8,447.9	75.1	3,026.1	2,880.4	145.76	20.761	
19,400.0	10,725.0	22,451.8	13,736.0	147.8	150.2	174.08	-8,547.9	75.7	3,026.1	2,878.8	147.29	20.545	
19,500.0	10,725.0	22,551.8	13,736.0	149.4	151.8	174.08	-8,647.9	76.4	3,026.1	2,877.3	148.82	20.333	
19,600.0	10,725.0	22,651.8	13,736.0	151.0	153.3	174.08	-8,747.9	77.0	3,026.1	2,875.8	150.36	20.126	
19,700.0	10,725.0	22,751.8	13,736.0	152.6	154.9	174.08	-8,847.9	77.6	3,026.1	2,874.2	151.90	19.922	
19,800.0	10,725.0	22,851.8	13,736.0	154.2	156.5	174.08	-8,947.9	78.2	3,026.1	2,872.7	153.44	19.722	
19,900.0	10,725.0	22,951.8	13,736.0	155.8	158.0	174.08	-9,047.9	78.9	3,026.1	2,871.1	154.98	19.526	
20,000.0	10,725.0	23,051.8	13,736.0	157.4	159.6	174.08	-9,147.9	79.5	3,026.1	2,869.6	156.52	19.334	
20,100.0	10,725.0	23,151.8	13,736.0	159.0	161.2	174.08	-9,247.9	80.1	3,026.1	2,868.1	158.06	19.146	
20,200.0	10,725.0	23,251.8	13,736.0	160.6	162.8	174.08	-9,347.9	80.7	3,026.1	2,866.5	159.60	18.960	
20,300.0	10,725.0	23,351.8	13,736.0	162.2	164.3	174.08	-9,447.9	81.4	3,026.1	2,865.0	161.15	18.779	
20,400.0	10,725.0	23,451.8	13,736.0	163.8	165.9	174.08	-9,547.9	82.0	3,026.1	2,863.4	162.69	18.600	
20,500.0	10,725.0	23,551.8	13,736.0	165.4	167.5	174.08	-9,647.9	82.6	3,026.1	2,861.9	164.24	18.425	
20,600.0	10,725.0	23,651.8	13,736.0	167.0	169.1	174.08	-9,747.9	83.2	3,026.1	2,860.3	165.78	18.253	
20,700.0	10,725.0	23,751.8	13,736.0	168.6	170.7	174.08	-9,847.9	83.9	3,026.1	2,858.8	167.33	18.084	
20,800.0	10,725.0	23,851.8	13,736.0	170.2	172.3	174.08	-9,947.8	84.5	3,026.1	2,857.2	168.88	17.919	
20,846.3	10,725.0	23,901.9	13,736.0	171.0	173.0	174.08	-9,994.2	84.8	3,026.1	2,856.5	169.63	17.840	

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 @ 3246.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #134H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.30°

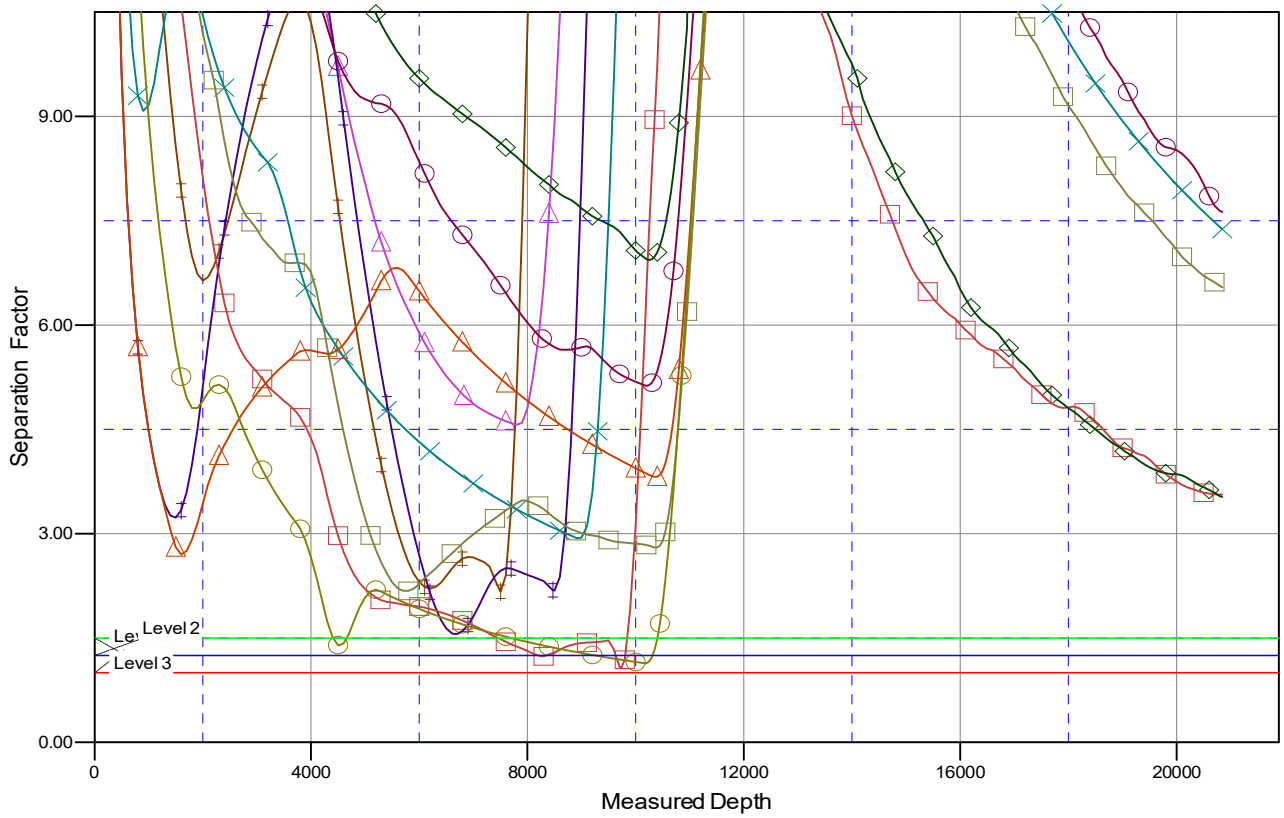


Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well Boros Federal #134H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3246.5usft
Reference Site:	Boros	**MD Reference:**	KB @ 3246.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Boros Federal #134H	**Survey 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 @ 3246.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #134H
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 #204H, Wellbore #1, Actual V0
Boros Federal #218H, Wellbore #1, Actual V0
Boros Federal #228H, Wellbore #1, BLM Plan #2 V0
Boros Federal #244H, Wellbore #1, BLM Plan #2 V0
Boros Federal #224H, Wellbore #1, Actual V0