

Well Name: BOROS FED COM	Well Location: T26S / R31E / SEC 15 / NENW / 32.04895 / -103.767976	County or Parish/State: EDDY / NM
Well Number: 226H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138865	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546794	Well Status: Approved Application for Permit to Drill	Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Sundry ID: 2640965

Type of Submission: Notice of Intent	Type of Action: Casing
Date Sundry Submitted: 10/20/2021	Time Sundry Submitted: 03:45
Date proposed operation will begin: 04/01/2022	

Procedure Description: BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Matador request to move the BHL of the Boros Federal Com #226H well from 240' FSL and 2311' FWL to 240' FSL and 2210' FWL. Please see attached C102. Matador also requests the option to amend the casing and cement design to the attached plan. Add option to change from 4-string design to 3-string design, omitting 9-5/8" string and updating intermediate fluid system. Update intermediate and production casing connections. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions.?

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- LO_BOROS_FED_COM_226H_REV7_S_20211020154406.pdf
- Boros_Federal_226H___Directional_Well_Plan_v2_20211020154405.pdf
- Boros_Federal_226H___Directional_AC_Report_v2_20211020154405.pdf
- Boros_Federal_226H___Directional_Wall_Plot_v2_20211020154405.pdf
- Boros_Federal_226H_Casing_Specs_5.5in_20lb_Hunting_TLW_SC_20211020154405.pdf
- Boros_Federal_226H_BLM_Drill_Plan_20211020154405.pdf

Well Name: BOROS FED COM	Well Location: T26S / R31E / SEC 15 / NENW / 32.04895 / -103.767976	County or Parish/State: EDDY / NM
Well Number: 226H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138865	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546794	Well Status: Approved Application for Permit to Drill	Operator: MATADOR PRODUCTION COMPANY

Boros_Federal_226H_BLM_Tapered_String_Spec_20211020154405.pdf

Conditions of Approval

Specialist Review

BOROS_FEDERAL_226H_APD_Calculations_Sundry_20211024152757.pdf
BOROS_FEDERAL_226H_Sundry_COA_20211024152757.pdf

Operator Certification

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

Operator Electronic Signature: HAWKS HOLDER	Signed on: OCT 20, 2021 03:44 PM
Name: MATADOR PRODUCTION COMPANY	
Title: Landman	
Street Address: 5400 LBJ FREEWAY, SUITE 1500	
City: DALLAS	State: TX
Phone: (806) 282-6846	
Email address: HAWKS.HOLDER@MATADORRESOURCES.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 12/01/2021
Signature: Chris Walls	

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 30-015-46794	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 327154	⁵ Property Name BOROS FEDERAL	
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	
		⁶ Well Number 226H
		⁹ Elevation 3227'

¹⁰Surface Location

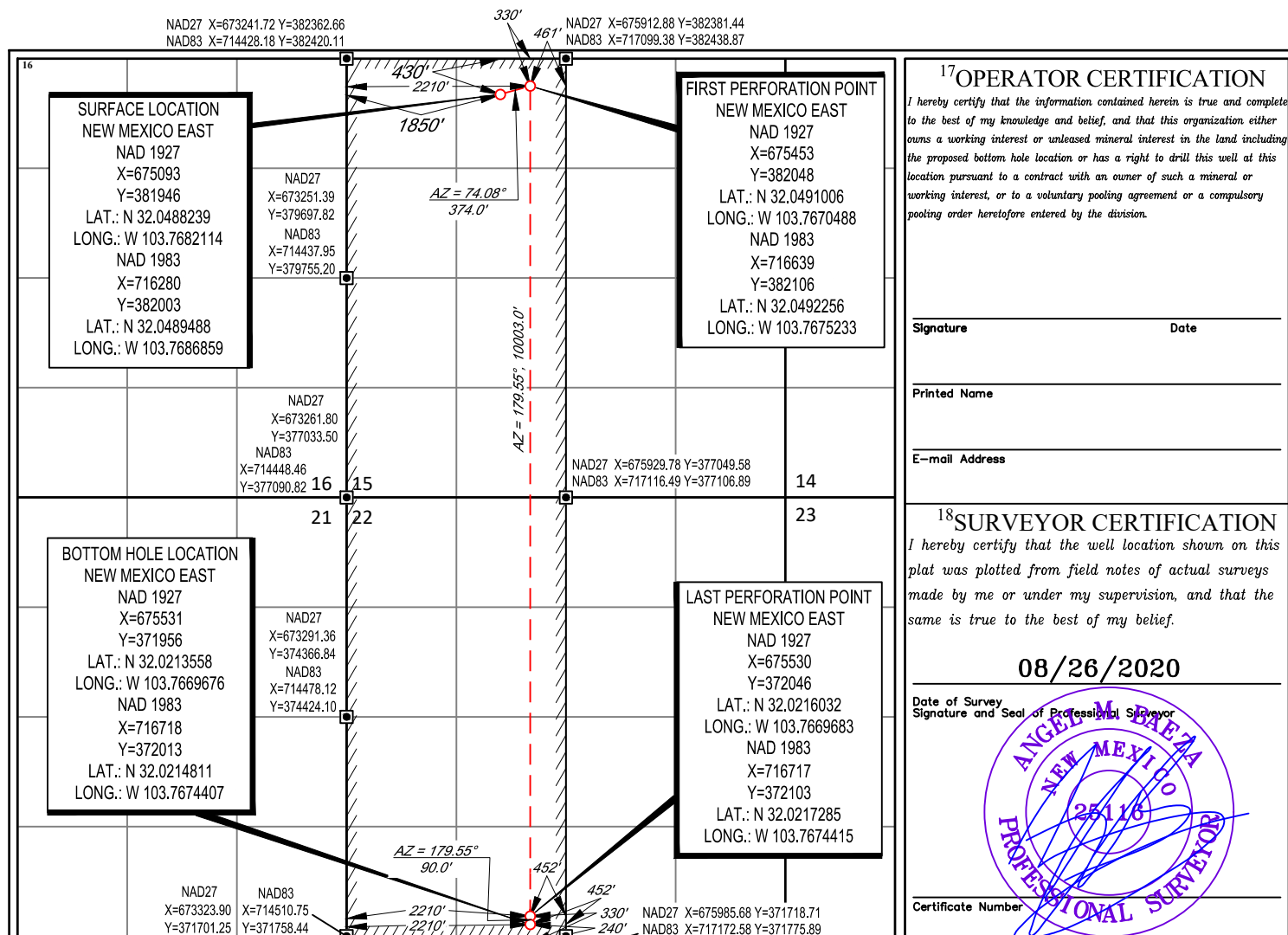
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	26-S	31-E	-	430'	NORTH	1850'	WEST	EDDY

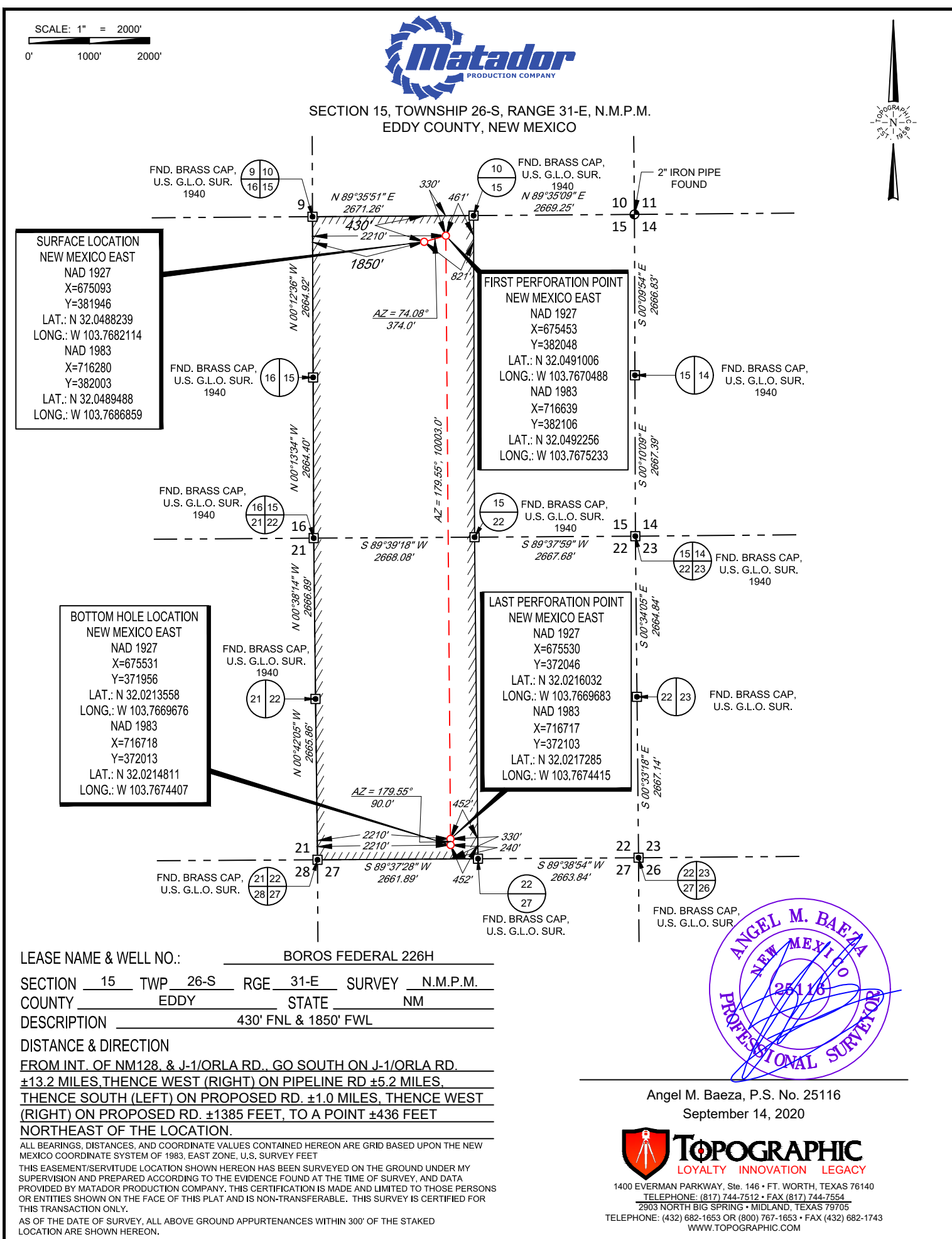
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	22	26-S	31-E	-	240'	SOUTH	2210'	WEST	EDDY

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

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.



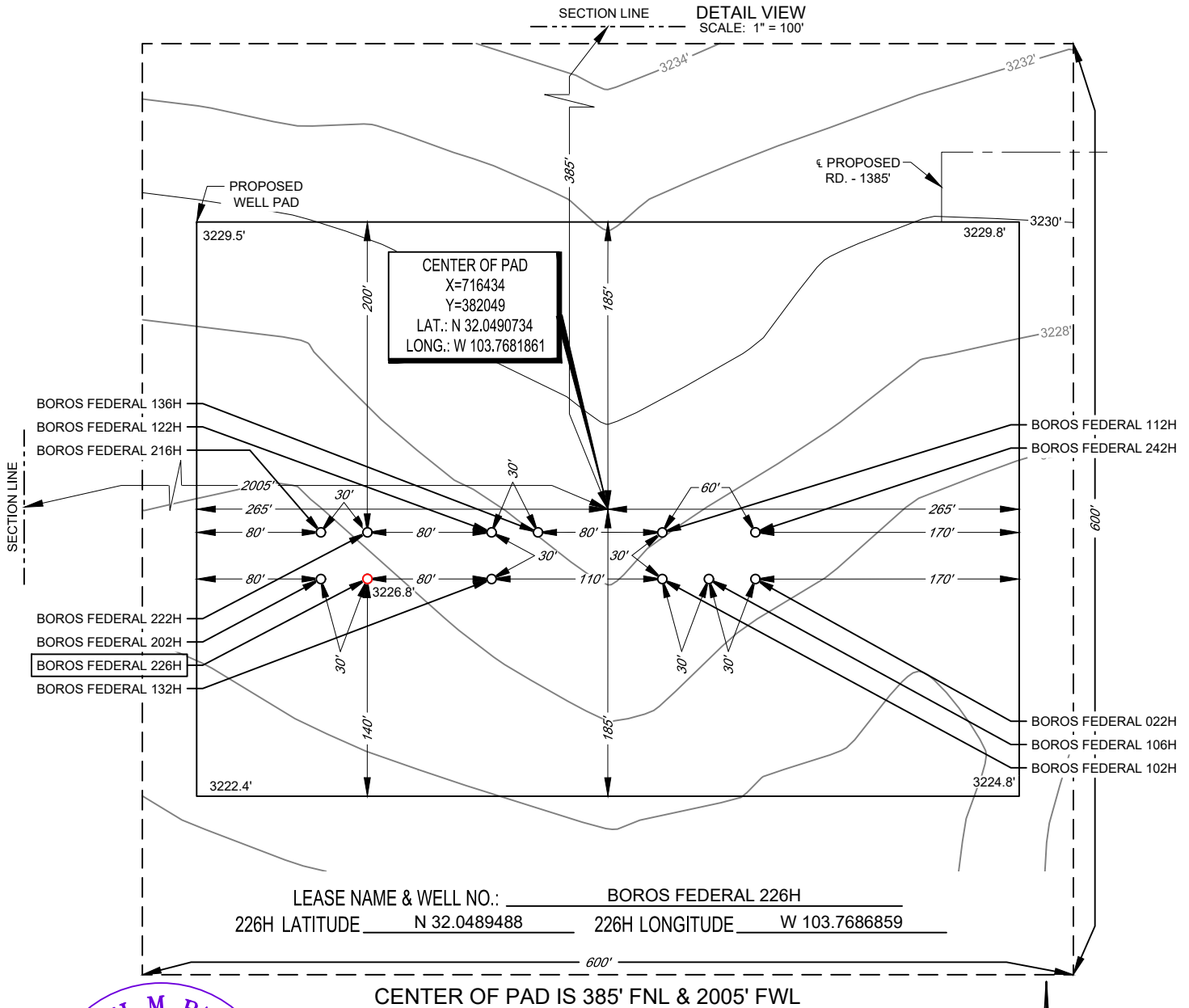




LEGEND

--- SECTION LINE
 --- PROPOSED ROAD
 --- ARCH SURVEY

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



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"



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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
LEASE NO.:	NMNM138865
WELL NAME & NO.:	BOROS FEDERAL 226H
SURFACE HOLE FOOTAGE:	430'/N & 1850'/W
BOTTOM HOLE FOOTAGE:	240'/S & 2210'/W
LOCATION:	Section 15, T.26 S., R.31 E., NMPM
COUNTY:	Eddy County, New Mexico

COA

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

All Previous COAs Still Apply.

A. CASING

1. The 13-3/8 inch surface casing shall be set at approximately **1361 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 inch intermediate casing shall be set at **9500 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.
 - **Excess cement calculates to less than 25% ; More cement may be needed.**
 - ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
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.**

B. PRESSURE CONTROL

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

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

RI10242021

152631 C ATS-19-2266 BOROS FEDERAL 226H EDDY NMNM138865 Matador 13-22 10242021 RI SUNDRY

BOROS FEDERAL 226H

13 3/8	surface csg in a	17 1/2	inch hole.	Design Factors					Surface			
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	54.50	J 55	BTC	11.50	1.82	0.59	1,361	5	1.07	3.50	74,175	
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,317			Tail Cmt	does not	circ to sfc.	Totals:	1,361				74,175	
Comparison of Proposed to Minimum Required Cement Volumes												
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP				BOPE	Hole-Cplg
17 1/2	0.6946	880	1429	945	51	8.80	2549				3M	1.56
Class 'C' tail cmt yield above 1.35.												
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.												
Site plat (pipe racks S or E) as per O.O.I.II.D.4.L not found.												

7 5/8	casing inside the	13 3/8	Design Factors						Int 1		
Segment	#/ft	Grade	Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	29.70	P 110	BTC	3.33	1.15	1.07	9,500	2	1.56	2.10	282,150
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	11,991	356,133		
The cement volume(s) are intended to achieve a top of					0	ft from surface or a		1361	overlap.		
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd	Min Dist		
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE	Hole-Cplg		
9 7/8	0.2148	1010	3472	3033	14	9.40	6081	10M	0.69		
Class 'H' tail cmt yld > 1.20		More cement may be needed.				MASP is within 10% of 5000psig, need exrta equip?					

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	2.19	1.38	1.62	22,796	2	2.36	2.14	455,920
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,779								Totals:	22,796	455,920		
The cement volume(s) are intended to achieve a top of					9300	ft from surface or a		2691			overlap.	
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd BOPE			Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP				Hole-Cplg	
6 3/4	0.0835	860	1026	1152	-11	13.50					0.44	
Class 'C' tail cmt yld > 1.35												
More cement may be needed.												

#N/A

Matador Production Company

Rustler Breaks

Boros

Boros Fed Com #226H

Wellbore #1

BLM Plan #1

Anticollision Report

11 September, 2020

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 us	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	9/11/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	22,796.3	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Boros						
Boros Fed Com #202H - Wellbore #1 - Actual Surveys	701.3	700.3	26.7	22.3	6.029	CC
Boros Fed Com #202H - Wellbore #1 - Actual Surveys	900.0	898.8	27.5	21.7	4.725	ES
Boros Fed Com #202H - Wellbore #1 - Actual Surveys	1,700.0	1,699.0	36.3	24.8	3.169	SF
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	785.4	784.5	36.3	31.3	7.211	CC
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	2,300.0	2,294.8	38.7	22.9	2.453	ES
Boros Fed Com #216H - Wellbore #1 - Actual Surveys	11,200.0	11,216.2	174.3	94.9	2.195	SF
Boros Fed Com #222H - Wellbore #1 - BLM Plan #1	1,641.3	1,639.7	30.0	18.7	2.653	CC
Boros Fed Com #222H - Wellbore #1 - BLM Plan #1	1,700.0	1,698.1	30.0	18.3	2.566	ES
Boros Fed Com #222H - Wellbore #1 - BLM Plan #1	22,796.7	22,425.7	672.3	370.9	2.231	SF
Boros Federal #022H - Wellbore #1 - BLM Plan #1	4,406.8	4,411.9	164.1	132.7	5.227	CC
Boros Federal #022H - Wellbore #1 - BLM Plan #1	4,500.0	4,504.2	164.7	132.6	5.135	ES
Boros Federal #022H - Wellbore #1 - BLM Plan #1	7,400.0	7,397.7	202.1	148.8	3.789	SF
Boros Federal #102H - Wellbore #1 - BLM Plan #1	2,668.3	2,662.1	156.9	138.2	8.371	CC
Boros Federal #102H - Wellbore #1 - BLM Plan #1	2,700.0	2,706.5	157.0	138.0	8.251	ES
Boros Federal #102H - Wellbore #1 - BLM Plan #1	4,000.0	4,000.8	184.1	155.7	6.489	SF
Boros Federal #106H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	219.9	209.6	21.367	CC
Boros Federal #106H - Wellbore #1 - BLM Plan #1	2,200.0	2,183.3	222.5	207.3	14.637	ES
Boros Federal #106H - Wellbore #1 - BLM Plan #1	8,400.0	8,404.3	273.8	213.2	4.520	SF
Boros Federal #112H - Wellbore #1 - BLM Plan #1	2,846.9	2,838.9	140.0	120.0	6.976	CC
Boros Federal #112H - Wellbore #1 - BLM Plan #1	3,800.0	3,801.8	146.0	119.1	5.421	ES
Boros Federal #112H - Wellbore #1 - BLM Plan #1	4,000.0	4,001.0	149.8	121.4	5.281	SF
Boros Federal #122H - Wellbore #1 - BLM Plan #1	2,401.5	2,402.1	49.1	32.3	2.926	CC, ES
Boros Federal #122H - Wellbore #1 - BLM Plan #1	2,500.0	2,495.5	51.0	33.5	2.915	SF
Boros Federal #132H - Wellbore #1 - BLM Plan #1	2,218.7	2,216.8	66.1	50.6	4.277	CC, ES
Boros Federal #132H - Wellbore #1 - BLM Plan #1	2,300.0	2,302.6	66.9	50.9	4.169	SF
Boros Federal #136H - Wellbore #1 - BLM Plan #1	2,522.7	2,517.9	73.9	56.2	4.182	CC
Boros Federal #136H - Wellbore #1 - BLM Plan #1	10,400.0	10,396.9	100.2	25.7	1.345	Level 3, ES, SF
Boros Federal #227H - Wellbore #1 - BLM Plan #1	22,796.7	22,726.0	547.6	206.0	1.603	CC, ES, SF
Boros Federal #227H - Wellbore #1 - BLM Plan #2	22,796.7	22,727.9	547.6	206.0	1.603	CC, ES, SF
Boros Federal #242H - Wellbore #1 - BLM Plan #1	4,001.1	4,008.1	72.1	43.5	2.523	CC
Boros Federal #242H - Wellbore #1 - BLM Plan #1	12,100.0	12,106.9	100.0	13.4	1.154	Level 2, ES, SF

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys													Offset Site Error:	0.0 usft
Survey Program: 172-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.37	-0.2	-30.1	30.1					
100.0	100.0	99.1	99.1	0.1	0.1	-90.43	-0.2	-29.9	29.9	29.6	0.28	107.541		
200.0	200.0	199.2	199.2	0.5	0.4	-90.63	-0.3	-29.3	29.3	28.4	0.84	34.754		
300.0	300.0	299.2	299.2	0.8	0.7	-91.32	-0.7	-28.6	28.6	27.0	1.56	18.330		
400.0	400.0	399.2	399.2	1.2	1.1	-92.19	-1.1	-27.9	27.9	25.6	2.27	12.276		
500.0	500.0	499.2	499.2	1.6	1.4	-93.26	-1.6	-27.3	27.3	24.3	2.99	9.129		
600.0	600.0	599.1	599.1	1.9	1.8	-94.05	-1.9	-26.8	26.9	23.1	3.71	7.243		
700.0	700.0	699.0	699.0	2.3	2.1	-94.36	-2.0	-26.6	26.7	22.3	4.42	6.041		
701.3	701.3	700.3	700.3	2.3	2.1	-94.37	-2.0	-26.6	26.7	22.3	4.43	6.029 CC		
800.0	800.0	798.9	798.9	2.6	2.5	-94.59	-2.1	-26.8	26.9	21.7	5.12	5.248		
900.0	900.0	898.8	898.8	3.0	2.8	-94.71	-2.3	-27.4	27.5	21.7	5.81	4.725 ES		
1,000.0	1,000.0	998.6	998.5	3.4	3.2	-94.70	-2.4	-28.6	28.7	22.2	6.51	4.408		
1,100.0	1,100.0	1,098.6	1,098.5	3.7	3.5	-94.82	-2.6	-30.3	30.4	23.2	7.21	4.210		
1,200.0	1,200.0	1,198.7	1,198.6	4.1	3.8	-94.29	-2.4	-31.7	31.8	23.9	7.92	4.014		
1,300.0	1,300.0	1,298.7	1,298.7	4.4	4.2	-93.12	-1.8	-32.9	32.9	24.3	8.62	3.816		
1,400.0	1,400.0	1,398.8	1,398.7	4.8	4.5	-91.98	-1.2	-33.8	33.8	24.5	9.33	3.623		
1,500.0	1,500.0	1,499.0	1,498.9	5.1	4.9	-90.54	-0.3	-34.3	34.3	24.3	10.03	3.421		
1,600.0	1,600.0	1,599.1	1,599.0	5.5	5.2	-124.09	0.6	-34.4	34.9	24.2	10.74	3.253		
1,700.0	1,700.0	1,699.0	1,698.9	5.9	5.6	-126.00	1.6	-34.3	36.3	24.8	11.44	3.169 SF		
1,800.0	1,799.9	1,798.4	1,798.3	6.2	5.9	-130.18	2.1	-35.2	39.9	27.7	12.14	3.283		
1,900.0	1,899.7	1,898.6	1,898.5	6.6	6.3	-135.59	2.4	-36.2	44.9	32.1	12.85	3.494		
2,000.0	1,999.4	1,998.9	1,998.8	6.9	6.6	-141.62	2.7	-35.9	50.5	36.9	13.56	3.722		
2,100.0	2,098.9	2,099.0	2,098.9	7.3	7.0	-147.95	2.8	-34.4	56.9	42.6	14.26	3.989		
2,200.0	2,198.3	2,198.9	2,198.7	7.7	7.3	-154.04	2.8	-32.1	64.8	49.8	14.97	4.330		
2,300.0	2,297.4	2,297.5	2,297.4	8.0	7.7	-159.06	3.1	-29.9	74.7	59.1	15.67	4.770		
2,400.0	2,396.4	2,395.9	2,395.8	8.4	8.0	-162.07	3.7	-29.6	87.2	70.8	16.37	5.327		
2,500.0	2,495.5	2,494.5	2,494.3	8.8	8.4	-163.33	5.4	-30.7	100.4	83.3	17.08	5.878		
2,600.0	2,594.5	2,594.0	2,593.7	9.2	8.7	-163.03	8.9	-33.7	113.8	96.0	17.79	6.398		
2,700.0	2,693.5	2,692.7	2,692.3	9.6	9.1	-162.31	13.3	-37.1	127.0	108.5	18.49	6.867		
2,800.0	2,792.5	2,791.0	2,790.4	9.9	9.4	-161.77	17.3	-40.9	140.7	121.5	19.20	7.329		
2,900.0	2,891.6	2,890.1	2,889.3	10.3	9.8	-161.40	21.0	-44.8	154.7	134.8	19.92	7.770		
3,000.0	2,990.6	2,988.5	2,987.6	10.7	10.1	-161.13	24.5	-48.7	168.9	148.3	20.63	8.190		
3,100.0	3,089.6	3,088.3	3,087.2	11.1	10.5	-160.59	28.8	-53.2	183.1	161.7	21.35	8.574		
3,200.0	3,188.6	3,188.0	3,186.7	11.5	10.8	-159.82	34.3	-58.0	196.8	174.7	22.08	8.913		
3,300.0	3,287.7	3,287.1	3,285.5	11.9	11.2	-159.26	39.5	-62.4	210.3	187.5	22.80	9.224		
3,400.0	3,386.7	3,385.6	3,383.7	12.3	11.5	-158.47	45.5	-67.5	224.0	200.5	23.52	9.525		
3,500.0	3,485.7	3,484.0	3,481.7	12.7	11.9	-157.64	51.9	-73.1	237.9	213.7	24.24	9.814		
3,600.0	3,584.8	3,579.9	3,577.2	13.1	12.2	-156.86	58.0	-79.2	252.6	227.7	24.95	10.125		
3,700.0	3,683.8	3,675.4	3,672.1	13.5	12.6	-155.72	65.1	-87.6	268.8	243.1	25.65	10.478		
3,800.0	3,782.8	3,773.9	3,769.9	13.9	13.0	-154.69	71.9	-96.6	285.5	259.2	26.39	10.822		
3,900.0	3,881.8	3,873.5	3,869.0	14.3	13.3	-154.11	77.6	-104.7	302.1	275.0	27.13	11.136		
4,000.0	3,980.9	3,973.1	3,968.0	14.7	13.7	-153.30	84.7	-113.2	318.4	290.5	27.88	11.421		
4,100.0	4,079.9	4,072.7	4,067.0	15.1	14.1	-152.45	92.6	-121.7	334.4	305.8	28.63	11.681		
4,200.0	4,178.9	4,171.7	4,165.4	15.5	14.5	-151.78	100.1	-129.8	350.2	320.9	29.38	11.923		
4,300.0	4,277.9	4,270.3	4,263.1	16.0	14.8	-150.94	108.8	-138.4	366.1	336.0	30.12	12.154		
4,400.0	4,377.0	4,367.7	4,359.8	16.4	15.2	-150.08	117.9	-147.4	382.2	351.4	30.86	12.384		
4,500.0	4,476.0	4,465.5	4,456.7	16.8	15.6	-149.29	126.9	-156.6	398.7	367.1	31.61	12.612		
4,600.0	4,575.0	4,562.6	4,552.9	17.2	16.0	-148.58	135.7	-165.9	415.4	383.0	32.35	12.841		
4,700.0	4,674.0	4,661.4	4,650.9	17.6	16.3	-147.94	144.3	-175.5	432.4	399.3	33.11	13.059		
4,800.0	4,773.1	4,760.9	4,749.5	18.0	16.7	-147.36	153.1	-184.9	449.2	415.3	33.87	13.261		
4,900.0	4,872.1	4,859.8	4,847.7	18.4	17.1	-146.85	161.6	-194.0	465.9	431.3	34.63	13.452		
4,941.9	4,913.6	4,901.1	4,888.7	18.6	17.3	-146.66	165.1	-197.8	472.9	437.9	34.95	13.530		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys													Offset Site Error: 0.0 usft	
Survey Program: 172-MWD													Offset Well Error: 0.0 usft	
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,971.2	4,958.5	4,945.6	18.8	17.5	-146.47	169.8	-203.0	482.2	446.8	35.39	13.626		
5,100.0	5,070.6	5,057.5	5,043.9	19.2	17.9	-146.05	177.7	-211.7	496.6	460.4	36.14	13.740		
5,200.0	5,170.2	5,155.8	5,141.6	19.6	18.2	-145.55	184.9	-220.3	508.9	472.0	36.88	13.799		
5,300.0	5,270.0	5,254.9	5,240.0	19.9	18.6	-144.93	191.9	-228.9	519.3	481.6	37.62	13.803		
5,400.0	5,370.0	5,354.5	5,339.1	20.3	19.0	-144.19	198.7	-237.4	527.5	489.2	38.36	13.752		
5,475.2	5,445.2	5,428.9	5,413.0	20.6	19.3	-109.65	203.6	-243.7	532.5	493.6	38.90	13.687		
5,500.0	5,470.0	5,453.5	5,437.5	20.6	19.4	-109.41	205.2	-245.8	533.9	494.8	39.08	13.661		
5,600.0	5,570.0	5,553.0	5,536.4	21.0	19.8	-108.47	211.6	-254.3	539.9	500.1	39.81	13.562		
5,700.0	5,670.0	5,653.2	5,636.1	21.3	20.2	-107.59	217.7	-262.6	545.9	505.4	40.54	13.467		
5,800.0	5,770.0	5,751.9	5,734.2	21.6	20.5	-106.60	225.0	-271.1	552.0	510.8	41.26	13.379		
5,900.0	5,870.0	5,850.3	5,831.8	22.0	20.9	-105.55	233.0	-280.1	558.6	516.6	41.98	13.305		
6,000.0	5,970.0	5,950.7	5,931.5	22.3	21.3	-104.53	240.9	-289.1	565.2	522.5	42.72	13.232		
6,100.0	6,070.0	6,052.2	6,032.3	22.7	21.7	-103.54	248.8	-297.9	571.8	528.3	43.47	13.154		
6,200.0	6,170.0	6,153.0	6,132.4	23.0	22.1	-102.57	256.8	-306.3	578.1	533.9	44.20	13.078		
6,300.0	6,270.0	6,252.9	6,231.6	23.3	22.5	-101.64	264.7	-314.4	584.5	539.5	44.93	13.007		
6,400.0	6,370.0	6,353.4	6,331.6	23.7	22.9	-100.79	272.0	-322.4	590.8	545.2	45.67	12.938		
6,500.0	6,470.0	6,452.2	6,429.9	24.0	23.3	-99.98	279.1	-330.1	597.3	550.9	46.38	12.877		
6,600.0	6,570.0	6,550.9	6,527.9	24.3	23.7	-99.13	286.7	-338.1	604.0	556.9	47.10	12.823		
6,700.0	6,670.0	6,653.7	6,630.2	24.7	24.1	-98.32	294.1	-346.0	610.5	562.6	47.85	12.758		
6,800.0	6,770.0	6,753.3	6,729.1	25.0	24.5	-97.52	301.8	-353.5	616.9	568.3	48.57	12.701		
6,900.0	6,870.0	6,853.2	6,828.4	25.4	24.8	-96.70	309.8	-360.9	623.4	574.1	49.30	12.645		
7,000.0	6,970.0	6,953.4	6,928.1	25.7	25.2	-95.92	317.6	-368.4	629.9	579.9	50.03	12.592		
7,100.0	7,070.0	7,054.1	7,028.3	26.1	25.6	-95.21	324.7	-375.5	636.3	585.6	50.75	12.537		
7,200.0	7,170.0	7,153.6	7,127.3	26.4	26.0	-94.55	331.4	-382.5	642.7	591.3	51.47	12.487		
7,300.0	7,270.0	7,256.8	7,230.0	26.7	26.4	-93.89	338.3	-389.6	649.1	596.9	52.22	12.430		
7,400.0	7,370.0	7,358.7	7,331.3	27.1	26.8	-93.12	346.8	-396.0	654.9	601.9	52.96	12.366		
7,500.0	7,470.0	7,458.2	7,430.3	27.4	27.2	-92.32	355.7	-402.1	660.7	607.0	53.68	12.308		
7,600.0	7,570.0	7,558.5	7,530.1	27.8	27.6	-91.57	364.1	-408.3	666.5	612.1	54.40	12.251		
7,700.0	7,670.0	7,666.1	7,637.2	28.1	28.0	-90.87	372.1	-414.2	671.9	616.7	55.18	12.176		
7,800.0	7,770.0	7,777.5	7,748.3	28.5	28.4	-90.33	378.4	-418.7	675.9	619.9	55.96	12.077		
7,900.0	7,870.0	7,892.0	7,862.7	28.8	28.8	-89.99	382.4	-420.8	677.7	620.9	56.73	11.945		
8,000.0	7,970.0	7,995.4	7,966.1	29.2	29.2	-89.78	384.9	-421.3	678.2	620.7	57.44	11.806		
8,100.0	8,070.0	8,094.2	8,064.8	29.5	29.5	-89.65	386.5	-421.8	678.7	620.5	58.14	11.673		
8,200.0	8,170.0	8,192.2	8,162.9	29.9	29.9	-89.55	387.7	-422.5	679.4	620.6	58.83	11.549		
8,300.0	8,270.0	8,293.0	8,263.7	30.2	30.2	-89.46	388.7	-423.4	680.3	620.8	59.53	11.428		
8,400.0	8,370.0	8,395.6	8,366.2	30.5	30.6	-89.39	389.6	-424.0	680.9	620.7	60.24	11.303		
8,500.0	8,470.0	8,493.0	8,463.6	30.9	30.9	-89.35	390.1	-424.5	681.5	620.5	60.93	11.184		
8,600.0	8,570.0	8,589.1	8,559.7	31.2	31.2	-89.34	390.2	-425.6	682.5	620.9	61.61	11.078		
8,700.0	8,670.0	8,696.4	8,667.0	31.6	31.6	-89.40	389.5	-426.5	683.4	621.1	62.32	10.966		
8,800.0	8,770.0	8,808.6	8,779.2	31.9	31.9	-89.57	387.4	-425.8	682.8	619.8	63.02	10.835		
8,900.0	8,870.0	8,913.5	8,884.0	32.3	32.3	-89.81	384.6	-423.7	680.7	617.0	63.69	10.687		
9,000.0	8,970.0	9,010.8	8,981.3	32.6	32.6	-89.98	382.6	-421.8	678.8	614.4	64.36	10.546		
9,100.0	9,070.0	9,110.8	9,081.3	33.0	32.9	-90.14	380.7	-420.0	676.9	611.9	65.04	10.408		
9,200.0	9,170.0	9,208.4	9,178.9	33.3	33.2	-90.28	379.1	-418.3	675.2	609.5	65.71	10.276		
9,300.0	9,270.0	9,308.2	9,278.6	33.7	33.5	-90.43	377.4	-416.9	673.9	607.5	66.38	10.152		
9,400.0	9,370.0	9,407.5	9,377.9	34.0	33.8	-90.58	375.5	-415.5	672.4	605.4	67.06	10.028		
9,500.0	9,470.0	9,507.1	9,477.5	34.4	34.1	-90.72	373.9	-414.2	671.2	603.4	67.73	9.909		
9,600.0	9,570.0	9,612.3	9,582.6	34.7	34.5	-90.86	372.3	-412.5	669.6	601.2	68.42	9.787		
9,700.0	9,670.0	9,717.4	9,687.7	35.1	34.8	-91.02	370.5	-409.9	667.2	598.1	69.10	9.655		
9,800.0	9,770.0	9,814.4	9,784.6	35.4	35.1	-91.12	369.4	-407.4	664.6	594.8	69.78	9.524		
9,900.0	9,870.0	9,913.7	9,883.9	35.8	35.4	-91.16	368.9	-405.1	662.3	591.8	70.46	9.400		
10,000.0	9,970.0	10,014.2	9,984.3	36.1	35.8	-91.20	368.5	-402.7	659.9	588.7	71.14	9.275		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.0	10,106.1	10,076.3	36.5	36.1	-91.26	367.9	-401.2	658.2	586.4	71.82	9.165	
10,200.0	10,170.0	10,209.1	10,179.3	36.8	36.4	-91.31	367.3	-399.9	657.0	584.5	72.51	9.062	
10,300.0	10,270.0	10,313.1	10,283.2	37.2	36.7	-91.40	366.4	-397.6	654.8	581.6	73.20	8.946	
10,400.0	10,370.0	10,403.2	10,373.3	37.5	37.0	-91.53	364.9	-396.3	653.4	579.5	73.86	8.845	
10,442.1	10,412.0	10,440.9	10,411.0	37.7	37.1	-91.59	364.3	-396.1	653.2	579.1	74.14	8.810	
10,500.0	10,470.0	10,495.7	10,465.8	37.9	37.3	-91.68	363.2	-396.3	653.4	578.9	74.53	8.767	
10,600.0	10,570.0	10,593.7	10,563.8	38.2	37.6	-91.83	361.4	-396.8	654.0	578.8	75.21	8.696	
10,700.0	10,670.0	10,688.5	10,658.6	38.6	38.0	-91.96	359.9	-397.8	655.1	579.3	75.88	8.634	
10,800.0	10,770.0	10,781.9	10,751.9	38.9	38.3	-92.11	358.2	-399.8	657.3	580.8	76.54	8.588	
10,900.0	10,870.0	10,938.7	10,907.9	39.3	38.8	-93.21	345.5	-400.2	659.3	582.0	77.29	8.530	
11,000.0	10,970.0	11,057.7	11,019.1	39.6	39.1	-96.78	305.7	-387.4	650.7	572.8	77.88	8.355	
11,100.0	11,070.0	11,155.9	11,105.3	40.0	39.3	-100.93	260.5	-374.4	643.9	565.4	78.56	8.196	
11,200.0	11,170.0	11,241.8	11,175.3	40.3	39.4	-105.35	212.8	-360.7	640.4	561.2	79.20	8.086	
11,217.0	11,186.9	11,255.3	11,185.9	40.4	39.4	-106.10	204.8	-358.4	640.3	561.1	79.29	8.076	
11,300.0	11,270.0	11,303.0	11,221.2	40.7	39.5	-108.96	174.0	-349.7	643.1	563.7	79.46	8.093	
11,400.0	11,370.0	11,351.0	11,252.8	41.0	39.6	-112.15	138.9	-341.0	655.9	576.9	78.98	8.305	
11,500.0	11,470.0	11,389.0	11,275.9	41.4	39.6	-114.76	109.5	-334.7	679.4	601.8	77.64	8.750	
11,600.0	11,570.0	11,434.6	11,302.8	41.8	39.7	-117.88	73.4	-327.3	712.4	636.4	75.93	9.382	
11,700.0	11,670.0	11,468.3	11,321.6	42.1	39.7	-120.17	46.0	-321.8	754.1	680.4	73.63	10.241	
11,800.0	11,770.0	11,500.0	11,336.9	42.5	39.8	-122.40	18.8	-316.0	804.3	733.2	71.08	11.316	
11,900.0	11,870.0	11,500.0	11,336.9	42.8	39.8	-122.40	18.8	-316.0	862.2	794.4	67.74	12.727	
12,000.0	11,970.0	11,524.2	11,346.9	43.2	39.8	-124.13	-2.7	-311.3	926.3	861.1	65.15	14.217	
12,091.0	12,061.0	11,539.0	11,352.3	43.5	39.8	-125.19	-16.2	-308.4	989.5	926.7	62.83	15.751	
12,100.0	12,070.0	11,539.0	11,352.3	43.5	39.8	62.00	-16.2	-308.4	996.0	933.4	62.57	15.916	
12,150.0	12,119.9	11,539.0	11,352.3	43.7	39.8	57.63	-16.2	-308.4	1,031.5	970.4	61.18	16.861	
12,200.0	12,169.3	11,539.0	11,352.3	43.8	39.8	53.55	-16.2	-308.4	1,066.7	1,006.9	59.82	17.832	
12,250.0	12,217.9	11,539.0	11,352.3	44.0	39.8	49.82	-16.2	-308.4	1,101.2	1,042.7	58.50	18.822	
12,300.0	12,265.4	11,569.4	11,362.0	44.1	39.9	45.23	-44.5	-302.8	1,133.6	1,075.7	57.84	19.598	
12,350.0	12,311.2	11,579.9	11,365.0	44.2	39.9	42.03	-54.4	-300.9	1,165.2	1,108.4	56.82	20.509	
12,400.0	12,355.2	11,591.0	11,368.0	44.3	39.9	39.24	-64.9	-299.1	1,195.4	1,139.5	55.85	21.402	
12,450.0	12,396.9	11,602.7	11,370.9	44.4	39.9	36.82	-76.0	-297.2	1,223.8	1,168.8	54.96	22.268	
12,500.0	12,436.1	11,633.0	11,377.3	44.5	40.0	34.39	-105.3	-292.6	1,250.8	1,196.3	54.42	22.984	
12,550.0	12,472.4	11,633.0	11,377.3	44.5	40.0	32.86	-105.3	-292.6	1,274.9	1,221.4	53.47	23.842	
12,600.0	12,505.6	11,655.1	11,381.4	44.6	40.0	31.25	-126.7	-289.3	1,297.2	1,244.2	52.93	24.508	
12,650.0	12,535.4	11,696.1	11,388.8	44.6	40.1	29.73	-166.6	-283.1	1,316.4	1,263.7	52.68	24.987	
12,700.0	12,561.6	11,726.0	11,394.0	44.7	40.2	28.63	-195.7	-278.3	1,332.3	1,280.0	52.34	25.457	
12,750.0	12,584.0	11,751.9	11,398.0	44.7	40.2	27.79	-220.9	-274.0	1,345.4	1,293.4	52.01	25.869	
12,800.0	12,602.4	11,772.2	11,400.5	44.7	40.3	27.17	-240.8	-270.6	1,355.7	1,304.0	51.69	26.229	
12,850.0	12,616.7	11,792.7	11,402.6	44.8	40.3	26.72	-260.8	-267.1	1,363.3	1,311.9	51.46	26.494	
12,900.0	12,626.7	11,820.0	11,404.6	44.9	40.4	26.41	-287.6	-262.3	1,368.2	1,316.8	51.35	26.644	
12,950.0	12,632.5	11,860.7	11,407.0	45.0	40.5	26.24	-327.6	-254.9	1,369.7	1,318.4	51.39	26.654	
12,991.0	12,634.0	11,910.2	11,410.1	45.1	40.7	26.27	-376.2	-245.9	1,367.9	1,316.4	51.55	26.534	
13,000.0	12,634.0	11,921.0	11,410.8	45.1	40.7	26.25	-386.8	-244.0	1,367.2	1,315.6	51.59	26.499	
13,100.0	12,634.0	11,970.2	11,413.2	45.4	40.9	26.06	-435.1	-235.5	1,360.3	1,308.6	51.71	26.307	
13,200.0	12,634.0	12,035.5	11,414.5	45.7	41.2	25.81	-499.6	-225.2	1,355.1	1,303.2	51.92	26.101	
13,300.0	12,634.0	12,102.0	11,415.2	46.0	41.5	25.47	-565.3	-215.0	1,349.9	1,297.8	52.12	25.900	
13,368.8	12,634.0	12,154.0	11,415.0	46.3	41.8	25.18	-616.8	-207.7	1,346.7	1,294.5	52.27	25.763	
13,400.0	12,634.0	12,171.1	11,414.7	46.4	41.8	25.09	-633.7	-205.6	1,345.7	1,293.4	52.35	25.705	
13,500.0	12,634.0	12,274.8	11,412.1	46.8	42.4	24.63	-736.8	-194.1	1,343.7	1,291.0	52.67	25.513	
13,600.0	12,634.0	12,344.5	11,410.8	47.3	42.8	24.35	-806.2	-187.0	1,341.6	1,288.5	53.08	25.275	
13,624.0	12,634.0	12,359.4	11,410.4	47.4	42.9	24.31	-821.0	-185.9	1,341.5	1,288.3	53.21	25.211	
13,700.0	12,634.0	12,427.0	11,408.7	47.9	43.3	24.18	-888.5	-182.8	1,342.0	1,288.3	53.68	24.999	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,800.0	12,634.0	12,528.7	11,406.7	48.4	44.0	24.01	-990.0	-178.4	1,342.4	1,288.0	54.38	24.685	
13,900.0	12,634.0	12,613.3	11,404.9	49.1	44.6	23.90	-1,074.6	-175.7	1,343.4	1,288.2	55.15	24.358	
14,000.0	12,634.0	12,736.1	11,403.9	49.7	45.6	23.99	-1,197.3	-177.7	1,345.3	1,289.1	56.21	23.931	
14,100.0	12,634.0	12,839.2	11,405.9	50.5	46.4	24.13	-1,300.4	-179.7	1,344.6	1,287.3	57.33	23.453	
14,125.0	12,634.0	12,860.8	11,406.3	50.7	46.6	24.18	-1,322.0	-180.4	1,344.6	1,287.0	57.62	23.337	
14,200.0	12,634.0	12,920.3	11,407.5	51.2	47.1	24.33	-1,381.4	-183.4	1,345.0	1,286.6	58.49	22.995	
14,300.0	12,634.0	13,001.3	11,408.6	52.0	47.8	24.59	-1,462.2	-189.0	1,346.9	1,287.2	59.76	22.540	
14,400.0	12,634.0	13,172.0	11,410.8	52.9	49.3	24.85	-1,632.8	-193.3	1,347.4	1,286.0	61.34	21.965	
14,500.0	12,634.0	13,251.2	11,412.4	53.8	50.1	24.87	-1,711.9	-192.5	1,345.4	1,282.9	62.47	21.538	
14,551.3	12,634.0	13,287.6	11,412.7	54.3	50.5	24.88	-1,748.3	-192.4	1,345.1	1,282.1	63.05	21.333	
14,600.0	12,634.0	13,329.0	11,412.6	54.7	50.9	24.90	-1,789.7	-192.5	1,345.4	1,281.8	63.64	21.140	
14,700.0	12,634.0	13,423.8	11,412.2	55.7	51.9	24.95	-1,884.6	-193.4	1,346.5	1,281.5	64.94	20.736	
14,800.0	12,634.0	13,548.4	11,414.3	56.6	53.2	25.08	-2,009.1	-194.8	1,345.6	1,279.2	66.45	20.251	
14,837.6	12,634.0	13,574.0	11,414.7	57.0	53.5	25.12	-2,034.7	-195.2	1,345.4	1,278.5	66.93	20.102	
14,900.0	12,634.0	13,625.5	11,415.1	57.7	54.1	25.18	-2,086.2	-196.5	1,345.9	1,278.1	67.79	19.853	
15,000.0	12,634.0	13,762.5	11,415.9	58.7	55.6	25.08	-2,223.1	-192.3	1,344.0	1,274.8	69.21	19.418	
15,100.0	12,634.0	13,845.1	11,415.4	59.8	56.6	24.93	-2,305.6	-188.0	1,342.7	1,272.3	70.40	19.073	
15,200.0	12,634.0	13,940.8	11,413.4	60.9	57.7	24.71	-2,401.1	-182.6	1,342.5	1,270.9	71.59	18.754	
15,300.0	12,634.0	14,105.7	11,413.6	62.0	59.7	24.38	-2,565.6	-172.8	1,340.5	1,267.5	73.01	18.362	
15,400.0	12,634.0	14,180.2	11,414.3	63.1	60.7	24.20	-2,640.0	-167.2	1,336.8	1,262.6	74.17	18.024	
15,500.0	12,634.0	14,257.7	11,415.1	64.3	61.6	24.11	-2,717.4	-164.0	1,334.4	1,259.0	75.46	17.684	
15,600.0	12,634.0	14,347.8	11,416.8	65.5	62.8	24.20	-2,807.4	-164.8	1,333.4	1,256.4	77.02	17.312	
15,647.5	12,634.0	14,384.7	11,417.4	66.1	63.2	24.24	-2,844.3	-165.2	1,333.1	1,255.4	77.74	17.150	
15,700.0	12,634.0	14,417.9	11,417.4	66.7	63.7	24.27	-2,877.6	-165.6	1,333.5	1,255.0	78.49	16.990	
15,800.0	12,634.0	14,503.5	11,416.0	67.9	64.8	24.33	-2,963.1	-167.3	1,336.1	1,256.0	80.04	16.692	
15,900.0	12,634.0	14,600.6	11,415.1	69.2	66.0	24.43	-3,060.2	-169.4	1,338.1	1,256.4	81.70	16.379	
16,000.0	12,634.0	14,766.7	11,415.3	70.4	68.2	24.62	-3,226.1	-172.9	1,339.8	1,256.0	83.79	15.990	
16,069.1	12,634.0	14,806.6	11,416.1	71.3	68.7	24.66	-3,266.1	-173.4	1,339.0	1,254.2	84.82	15.787	
16,100.0	12,634.0	14,824.5	11,416.1	71.7	69.0	24.67	-3,284.0	-173.4	1,339.2	1,253.9	85.27	15.706	
16,200.0	12,634.0	14,920.4	11,414.6	73.0	70.3	24.66	-3,379.9	-173.0	1,340.7	1,253.9	86.85	15.437	
16,300.0	12,634.0	15,036.2	11,413.4	74.3	71.8	24.61	-3,495.6	-171.4	1,341.4	1,253.0	88.50	15.158	
16,400.0	12,634.0	15,154.8	11,412.5	75.6	73.5	24.44	-3,614.1	-166.6	1,340.7	1,250.7	90.03	14.892	
16,500.0	12,634.0	15,251.9	11,412.1	77.0	74.9	24.27	-3,711.1	-161.7	1,339.3	1,247.9	91.47	14.642	
16,576.0	12,634.0	15,313.7	11,411.5	78.0	75.7	24.18	-3,772.9	-159.1	1,338.9	1,246.4	92.55	14.466	
16,600.0	12,634.0	15,333.5	11,411.2	78.3	76.0	24.15	-3,792.6	-158.4	1,339.0	1,246.1	92.90	14.413	
16,700.0	12,634.0	15,416.8	11,410.1	79.7	77.2	24.11	-3,875.9	-157.1	1,339.9	1,245.5	94.44	14.188	
16,800.0	12,634.0	15,532.9	11,409.0	81.0	78.8	24.19	-3,992.0	-158.6	1,341.7	1,245.4	96.30	13.933	
16,900.0	12,634.0	15,708.2	11,418.2	82.4	81.3	24.57	-4,167.0	-163.1	1,337.6	1,238.7	98.86	13.530	
17,000.0	12,634.0	15,785.0	11,422.7	83.8	82.4	24.71	-4,243.6	-163.8	1,333.0	1,232.3	100.67	13.242	
17,100.0	12,634.0	15,857.2	11,424.9	85.2	83.4	24.75	-4,315.8	-163.3	1,330.4	1,228.0	102.34	13.000	
17,163.1	12,634.0	15,901.4	11,424.9	86.1	84.1	24.72	-4,360.0	-162.2	1,329.9	1,226.6	103.30	12.875	
17,200.0	12,634.0	15,928.0	11,424.6	86.6	84.5	24.69	-4,386.6	-161.5	1,330.1	1,226.2	103.85	12.807	
17,300.0	12,634.0	16,011.5	11,422.5	88.0	85.7	24.61	-4,470.1	-159.8	1,331.7	1,226.4	105.40	12.636	
17,400.0	12,634.0	16,132.8	11,419.2	89.4	87.5	24.45	-4,591.3	-156.1	1,333.4	1,226.3	107.02	12.459	
17,500.0	12,634.0	16,241.4	11,417.8	90.9	89.1	24.29	-4,699.7	-151.8	1,333.2	1,224.6	108.58	12.278	
17,600.0	12,634.0	16,372.2	11,418.0	92.3	91.0	24.09	-4,830.3	-145.7	1,331.4	1,221.2	110.19	12.082	
17,700.0	12,634.0	16,445.0	11,418.7	93.8	92.1	24.06	-4,903.2	-144.1	1,329.9	1,218.1	111.79	11.896	
17,800.0	12,634.0	16,555.6	11,420.0	95.2	93.8	24.11	-5,013.8	-143.8	1,329.0	1,215.3	113.68	11.690	
17,900.0	12,634.0	16,650.4	11,421.2	96.7	95.2	24.12	-5,108.6	-142.8	1,327.7	1,212.3	115.46	11.500	
17,942.1	12,634.0	16,680.7	11,421.3	97.3	95.6	24.11	-5,138.9	-142.4	1,327.5	1,211.4	116.14	11.431	
18,000.0	12,634.0	16,722.4	11,420.9	98.1	96.3	24.10	-5,180.6	-141.9	1,327.9	1,210.8	117.06	11.344	
18,100.0	12,634.0	16,808.5	11,419.1	99.6	97.5	24.06	-5,266.6	-141.0	1,329.7	1,211.0	118.70	11.202	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,200.0	12,634.0	16,954.8	11,418.1	101.1	99.8	24.00	-5,412.9	-138.7	1,329.9	1,209.3	120.64	11.024	
18,300.0	12,634.0	17,049.6	11,418.4	102.6	101.2	23.92	-5,507.7	-136.0	1,328.8	1,206.5	122.29	10.866	
18,375.3	12,634.0	17,114.0	11,418.2	103.7	102.2	23.88	-5,572.0	-134.4	1,328.5	1,204.9	123.51	10.756	
18,400.0	12,634.0	17,134.0	11,418.0	104.1	102.5	23.86	-5,592.0	-133.9	1,328.5	1,204.6	123.91	10.722	
18,500.0	12,634.0	17,221.5	11,416.5	105.6	103.8	23.79	-5,679.5	-132.0	1,329.5	1,204.0	125.51	10.593	
18,600.0	12,634.0	17,318.8	11,414.7	107.0	105.3	23.68	-5,776.7	-129.3	1,330.4	1,203.3	127.11	10.467	
18,700.0	12,634.0	17,389.0	11,412.4	108.5	106.4	23.64	-5,846.9	-128.9	1,333.3	1,204.7	128.67	10.363	
18,800.0	12,634.0	17,515.4	11,409.8	110.1	108.3	23.71	-5,973.3	-130.7	1,336.2	1,205.4	130.76	10.218	
18,900.0	12,634.0	17,628.8	11,409.3	111.6	110.0	23.83	-6,086.6	-133.0	1,337.7	1,204.9	132.86	10.068	
19,000.0	12,634.0	17,759.3	11,410.7	113.1	112.0	23.92	-6,217.1	-133.8	1,337.3	1,202.3	135.01	9.905	
19,093.9	12,634.0	17,832.9	11,411.7	114.5	113.1	23.97	-6,290.7	-134.0	1,336.5	1,199.8	136.73	9.775	
19,100.0	12,634.0	17,837.5	11,411.8	114.6	113.2	23.97	-6,295.3	-134.1	1,336.5	1,199.7	136.84	9.767	
19,200.0	12,634.0	17,955.8	11,412.7	116.1	115.0	24.05	-6,413.6	-134.7	1,336.4	1,197.5	138.90	9.621	
19,300.0	12,634.0	18,040.8	11,413.5	117.6	116.4	24.08	-6,498.5	-134.5	1,335.7	1,195.0	140.74	9.491	
19,307.9	12,634.0	18,047.6	11,413.6	117.8	116.5	24.09	-6,505.4	-134.5	1,335.7	1,194.8	140.88	9.481	
19,400.0	12,634.0	18,110.1	11,413.3	119.2	117.4	24.12	-6,567.8	-135.1	1,336.7	1,194.2	142.47	9.382	
19,500.0	12,634.0	18,208.0	11,411.8	120.7	118.9	24.22	-6,665.7	-137.5	1,339.4	1,194.9	144.50	9.270	
19,600.0	12,634.0	19,600.0	11,411.4	122.2	140.6	24.30	-6,805.8	-138.6	1,340.3	1,181.9	158.45	8.459	
19,638.9	12,634.0	18,378.0	11,411.6	122.8	121.6	24.30	-6,835.7	-138.3	1,340.1	1,192.7	147.41	9.091	
19,700.0	12,634.0	18,418.6	11,411.2	123.8	122.2	24.29	-6,876.2	-137.9	1,340.6	1,192.2	148.41	9.033	
19,800.0	12,634.0	18,506.3	11,408.9	125.3	123.6	24.24	-6,964.0	-137.1	1,342.9	1,192.8	150.10	8.947	
19,900.0	12,634.0	18,601.7	11,406.0	126.9	125.1	24.17	-7,059.3	-135.8	1,345.4	1,193.7	151.78	8.865	
20,000.0	12,634.0	18,737.4	11,403.7	128.4	127.2	24.13	-7,195.0	-134.7	1,347.0	1,193.2	153.78	8.759	
20,100.0	12,634.0	18,818.0	11,403.2	130.0	128.4	24.16	-7,275.6	-135.1	1,348.0	1,192.4	155.59	8.664	
20,200.0	12,634.0	18,909.5	11,401.7	131.5	129.9	24.18	-7,367.0	-135.6	1,350.0	1,192.6	157.44	8.575	
20,300.0	12,634.0	19,021.2	11,399.7	133.1	131.6	24.20	-7,478.8	-136.0	1,352.2	1,192.8	159.43	8.481	
20,400.0	12,634.0	19,166.9	11,402.5	134.6	133.9	24.28	-7,624.3	-135.7	1,350.2	1,188.5	161.71	8.349	
20,500.0	12,634.0	19,263.6	11,404.7	136.2	135.4	24.34	-7,721.1	-135.7	1,348.4	1,184.6	163.73	8.235	
20,600.0	12,634.0	19,398.2	11,409.6	137.7	137.5	24.43	-7,855.6	-134.7	1,345.0	1,179.1	165.91	8.107	
20,700.0	12,634.0	19,463.2	11,411.6	139.3	138.6	24.45	-7,920.5	-133.8	1,341.9	1,174.2	167.75	8.000	
20,800.0	12,634.0	19,548.2	11,412.5	140.9	139.9	24.47	-8,005.5	-133.0	1,340.9	1,171.3	169.60	7.906	
20,845.3	12,634.0	19,584.8	11,412.8	141.6	140.5	24.48	-8,042.1	-132.9	1,340.7	1,170.3	170.44	7.866	
20,900.0	12,634.0	19,623.5	11,412.6	142.4	141.1	24.48	-8,080.8	-132.8	1,341.0	1,169.6	171.39	7.825	
21,000.0	12,634.0	19,720.0	11,411.0	144.0	142.6	24.49	-8,177.3	-132.9	1,342.9	1,169.6	173.27	7.750	
21,100.0	12,634.0	19,802.5	11,410.6	145.6	143.9	24.55	-8,259.8	-134.2	1,344.5	1,169.3	175.19	7.674	
21,200.0	12,634.0	19,966.0	11,408.2	147.1	146.5	24.60	-8,423.3	-135.3	1,347.3	1,169.7	177.59	7.587	
21,300.0	12,634.0	20,042.0	11,409.2	148.7	147.7	24.57	-8,499.2	-133.4	1,345.6	1,166.3	179.30	7.505	
21,333.3	12,634.0	20,073.0	11,409.2	149.2	148.2	24.53	-8,530.1	-132.2	1,345.3	1,165.4	179.82	7.481	
21,400.0	12,634.0	20,108.8	11,408.3	150.3	148.8	24.48	-8,565.9	-131.0	1,346.0	1,165.3	180.76	7.446	
21,500.0	12,634.0	20,256.0	11,405.5	151.9	151.1	24.31	-8,713.0	-126.8	1,347.0	1,164.5	182.53	7.380	
21,539.8	12,634.0	20,279.6	11,405.5	152.5	151.5	24.30	-8,736.6	-126.2	1,346.8	1,163.6	183.17	7.353	
21,600.0	12,634.0	20,327.0	11,404.5	153.4	152.3	24.25	-8,784.0	-125.1	1,347.4	1,163.3	184.12	7.318	
21,700.0	12,634.0	20,418.6	11,402.2	155.0	153.7	24.18	-8,875.5	-123.6	1,349.4	1,163.6	185.78	7.263	
21,800.0	12,634.0	20,545.0	11,400.5	156.6	155.7	24.06	-9,001.9	-120.3	1,349.8	1,162.3	187.53	7.198	
21,891.2	12,634.0	20,631.0	11,400.8	158.1	157.1	24.05	-9,087.9	-119.1	1,349.3	1,160.1	189.20	7.132	
21,900.0	12,634.0	20,636.8	11,400.8	158.2	157.2	24.05	-9,093.7	-119.1	1,349.3	1,160.0	189.35	7.126	
22,000.0	12,634.0	20,705.0	11,399.8	159.8	158.3	24.04	-9,161.8	-118.9	1,350.8	1,159.8	191.01	7.072	
22,100.0	12,634.0	20,766.9	11,397.0	161.4	159.3	24.00	-9,223.7	-118.6	1,354.9	1,162.5	192.43	7.041	
22,200.0	12,634.0	20,944.2	11,391.6	163.0	162.1	23.84	-9,400.8	-115.5	1,357.3	1,162.7	194.53	6.977	
22,300.0	12,634.0	21,103.6	11,393.9	164.5	164.7	23.76	-9,560.1	-111.1	1,355.3	1,158.9	196.37	6.902	
22,400.0	12,634.0	21,162.5	11,395.2	166.1	165.6	23.72	-9,618.9	-109.0	1,352.1	1,154.1	198.07	6.827	
22,454.1	12,634.0	21,194.3	11,395.2	167.0	166.1	23.69	-9,650.7	-108.0	1,351.7	1,152.8	198.92	6.795	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #202H - Wellbore #1 - Actual Surveys													Offset Site Error:	0.0 usft
Survey Program: 172-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
22,500.0	12,634.0	21,221.4	11,394.7	167.7	166.6	23.66	-9,677.8	-107.2	1,352.0	1,152.4	199.59	6.774		
22,600.0	12,634.0	21,319.0	11,391.0	169.3	168.1	23.53	-9,775.3	-104.8	1,354.8	1,153.7	201.11	6.737		
22,700.0	12,634.0	21,501.2	11,392.2	170.9	171.1	23.21	-9,957.2	-94.7	1,351.5	1,149.0	202.43	6.676		
22,796.3	12,634.0	21,547.0	11,393.3	172.4	171.8	23.13	-10,002.9	-91.8	1,348.1	1,144.2	203.90	6.611		
22,796.7	12,634.0	21,547.0	11,393.3	172.5	171.8	23.13	-10,002.9	-91.8	1,348.1	1,144.2	203.92	6.611		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys													Offset Site Error:	0.0 usft
Survey Program: 172-MWD													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-45.44	29.8	-30.2	42.5					
100.0	100.0	99.2	99.2	0.1	0.2	-44.84	29.9	-29.8	42.2	41.9	0.28	151.607		
200.0	200.0	199.4	199.3	0.5	0.4	-43.04	30.4	-28.4	41.5	40.7	0.84	49.212		
300.0	300.0	299.4	299.4	0.8	0.7	-40.96	30.7	-26.6	40.7	39.1	1.56	26.042		
400.0	400.0	399.4	399.3	1.2	1.1	-38.83	31.0	-24.9	39.7	37.5	2.28	17.449		
500.0	500.0	499.4	499.4	1.6	1.4	-36.63	31.2	-23.2	38.9	35.9	3.00	12.974		
600.0	600.0	599.5	599.5	1.9	1.8	-34.39	31.2	-21.3	37.8	34.0	3.71	10.169		
700.0	700.0	699.4	699.3	2.3	2.2	-32.47	30.9	-19.7	36.6	32.2	4.43	8.270		
785.4	785.4	784.5	784.4	2.6	2.5	-31.09	31.1	-18.8	36.3	31.3	5.04	7.211 CC		
800.0	800.0	799.1	799.0	2.6	2.5	-30.87	31.2	-18.6	36.3	31.2	5.14	7.067		
900.0	900.0	898.8	898.7	3.0	2.9	-29.53	32.0	-18.1	36.8	30.9	5.85	6.287		
1,000.0	1,000.0	998.8	998.7	3.4	3.2	-28.23	33.2	-17.8	37.7	31.1	6.56	5.746		
1,100.0	1,100.0	1,098.8	1,098.6	3.7	3.6	-26.58	34.5	-17.3	38.6	31.3	7.27	5.302		
1,200.0	1,200.0	1,198.8	1,198.6	4.1	3.9	-24.62	35.9	-16.5	39.5	31.5	7.99	4.944		
1,300.0	1,300.0	1,298.9	1,298.8	4.4	4.3	-21.96	37.3	-15.0	40.2	31.5	8.70	4.623		
1,400.0	1,400.0	1,398.7	1,398.6	4.8	4.6	-19.26	38.8	-13.5	41.1	31.6	9.42	4.358		
1,500.0	1,500.0	1,498.5	1,498.3	5.1	5.0	-17.36	40.5	-12.6	42.4	32.3	10.13	4.184		
1,600.0	1,600.0	1,597.9	1,597.6	5.5	5.3	-47.87	43.7	-10.2	44.3	33.5	10.84	4.086		
1,700.0	1,700.0	1,698.0	1,697.5	5.9	5.7	-43.84	47.9	-6.0	45.7	34.1	11.56	3.952		
1,800.0	1,799.9	1,798.4	1,797.8	6.2	6.1	-41.43	51.3	-1.5	45.2	32.9	12.29	3.676		
1,900.0	1,899.7	1,898.1	1,897.3	6.6	6.4	-38.16	54.5	4.6	43.1	30.1	13.01	3.313		
2,000.0	1,999.4	1,997.5	1,996.1	6.9	6.8	-32.38	59.2	13.2	41.2	27.5	13.72	3.005		
2,100.0	2,098.9	2,096.8	2,094.8	7.3	7.2	-24.99	64.7	23.5	39.2	24.8	14.43	2.718		
2,200.0	2,198.3	2,195.8	2,192.9	7.7	7.6	-16.89	72.1	34.9	38.5	23.4	15.11	2.548		
2,249.9	2,247.7	2,245.4	2,241.9	7.8	7.8	-13.14	76.3	40.8	38.4	23.0	15.45	2.487		
2,300.0	2,297.4	2,294.8	2,290.7	8.0	7.9	-9.36	81.1	46.9	38.7	22.9	15.78	2.453 ES		
2,400.0	2,396.4	2,393.8	2,388.1	8.4	8.3	-1.51	92.2	60.6	41.3	24.9	16.43	2.514		
2,500.0	2,495.5	2,493.4	2,485.9	8.8	8.7	5.80	104.1	75.5	46.0	28.9	17.12	2.687		
2,600.0	2,594.5	2,594.0	2,584.7	9.2	9.2	11.53	115.8	89.9	50.5	32.6	17.88	2.826		
2,700.0	2,693.5	2,694.6	2,683.9	9.6	9.6	16.59	126.1	103.2	53.7	35.1	18.64	2.883		
2,800.0	2,792.5	2,793.5	2,781.5	9.9	10.0	20.99	136.2	116.2	57.2	37.9	19.33	2.961		
2,900.0	2,891.6	2,893.5	2,879.8	10.3	10.4	24.47	147.3	129.8	62.0	41.9	20.08	3.088		
3,000.0	2,990.6	2,994.1	2,979.0	10.7	10.8	27.25	158.3	142.8	66.1	45.3	20.85	3.170		
3,100.0	3,089.6	3,093.4	3,076.9	11.1	11.2	29.68	169.1	155.5	70.4	48.8	21.59	3.260		
3,200.0	3,188.6	3,193.1	3,175.1	11.5	11.7	31.99	179.9	168.7	75.0	52.7	22.34	3.359		
3,300.0	3,287.7	3,292.3	3,272.7	11.9	12.1	33.92	191.1	182.5	80.6	57.5	23.09	3.491		
3,400.0	3,386.7	3,392.6	3,371.4	12.3	12.5	35.53	202.5	196.3	86.2	62.3	23.88	3.611		
3,500.0	3,485.7	3,492.0	3,469.4	12.7	13.0	37.65	212.6	209.9	91.4	66.7	24.64	3.708		
3,600.0	3,584.8	3,590.5	3,566.2	13.1	13.4	40.37	221.6	225.3	98.3	72.9	25.40	3.869		
3,700.0	3,683.8	3,690.7	3,664.8	13.5	13.8	43.01	230.4	241.3	105.6	79.4	26.22	4.027		
3,800.0	3,782.8	3,790.3	3,762.9	13.9	14.3	45.37	238.9	256.6	112.4	85.3	27.02	4.158		
3,900.0	3,881.8	3,889.4	3,860.2	14.3	14.7	47.26	247.8	272.3	120.0	92.2	27.81	4.313		
4,000.0	3,980.9	3,991.7	3,960.8	14.7	15.1	48.57	257.8	287.9	127.2	98.5	28.68	4.435		
4,100.0	4,079.9	4,094.3	4,062.0	15.1	15.6	48.92	269.5	300.6	131.8	102.3	29.52	4.466		
4,200.0	4,178.9	4,193.4	4,159.7	15.5	16.0	48.93	281.3	312.1	135.7	105.4	30.29	4.480		
4,300.0	4,277.9	4,291.3	4,256.0	16.0	16.4	48.62	294.0	324.5	140.7	109.7	31.02	4.536		
4,400.0	4,377.0	4,391.6	4,354.5	16.4	16.9	48.11	307.5	337.6	146.3	114.5	31.80	4.601		
4,500.0	4,476.0	4,491.0	4,452.0	16.8	17.3	47.42	321.5	350.6	152.0	119.4	32.56	4.668		
4,600.0	4,575.0	4,591.3	4,550.4	17.2	17.8	46.62	336.1	363.5	157.5	124.2	33.33	4.727		
4,700.0	4,674.0	4,690.4	4,647.8	17.6	18.2	46.24	349.5	376.6	163.3	129.2	34.09	4.790		
4,800.0	4,773.1	4,789.9	4,745.5	18.0	18.7	46.27	361.8	390.2	169.3	134.4	34.87	4.855		
4,900.0	4,872.1	4,891.1	4,845.1	18.4	19.1	46.65	373.4	404.3	175.4	139.7	35.69	4.915		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,941.9	4,913.6	4,935.2	4,888.7	18.6	19.3	47.07	377.5	409.9	177.4	141.3	36.07	4.918	
5,000.0	4,971.2	4,994.5	4,947.3	18.8	19.6	47.78	382.2	417.0	179.7	143.2	36.56	4.917	
5,100.0	5,070.6	5,097.5	5,049.4	19.2	20.0	48.75	389.5	428.6	184.5	147.1	37.39	4.934	
5,200.0	5,170.2	5,203.2	5,154.5	19.6	20.4	49.52	395.1	437.9	188.3	150.1	38.20	4.930	
5,300.0	5,270.0	5,310.1	5,261.2	19.9	20.8	50.15	398.6	444.0	190.5	151.6	38.95	4.892	
5,400.0	5,370.0	5,414.0	5,365.1	20.3	21.1	50.26	401.2	446.8	191.4	151.8	39.64	4.829	
5,475.2	5,445.2	5,490.2	5,441.2	20.6	21.4	83.96	402.6	448.0	192.3	152.1	40.14	4.790	
5,500.0	5,470.0	5,515.3	5,466.3	20.6	21.5	83.90	402.8	448.4	192.6	152.3	40.30	4.779	
5,600.0	5,570.0	5,617.3	5,568.3	21.0	21.8	83.89	402.9	449.1	193.4	152.4	40.96	4.722	
5,700.0	5,670.0	5,717.6	5,668.6	21.3	22.1	83.91	402.9	449.6	193.8	152.2	41.63	4.656	
5,800.0	5,770.0	5,820.3	5,771.3	21.6	22.4	84.05	402.4	449.0	193.2	150.9	42.26	4.571	
5,900.0	5,870.0	5,920.9	5,871.9	22.0	22.7	84.25	401.6	447.6	191.7	148.8	42.91	4.468	
6,000.0	5,970.0	6,020.6	5,971.6	22.3	23.0	84.56	400.4	446.3	190.3	146.7	43.58	4.367	
6,100.0	6,070.0	6,120.6	6,071.5	22.7	23.3	84.95	399.0	445.0	188.9	144.7	44.25	4.270	
6,200.0	6,170.0	6,220.0	6,170.9	23.0	23.6	85.36	397.5	443.9	187.7	142.8	44.93	4.178	
6,300.0	6,270.0	6,319.4	6,270.4	23.3	23.9	85.71	396.3	443.2	186.8	141.2	45.61	4.097	
6,400.0	6,370.0	6,420.0	6,371.0	23.7	24.2	86.09	395.0	442.4	186.0	139.7	46.27	4.020	
6,500.0	6,470.0	6,519.7	6,470.6	24.0	24.5	86.47	393.8	441.4	184.9	138.0	46.95	3.939	
6,600.0	6,570.0	6,619.0	6,569.9	24.3	24.8	86.82	392.6	440.8	184.3	136.6	47.64	3.868	
6,700.0	6,670.0	6,719.1	6,670.0	24.7	25.1	87.19	391.4	440.4	183.7	135.4	48.31	3.803	
6,800.0	6,770.0	6,820.3	6,771.1	25.0	25.4	87.63	389.9	439.6	182.9	133.9	48.98	3.734	
6,900.0	6,870.0	6,919.8	6,870.7	25.4	25.7	88.10	388.4	438.6	181.9	132.2	49.67	3.661	
7,000.0	6,970.0	7,020.5	6,971.3	25.7	26.0	88.60	386.8	437.5	180.7	130.3	50.35	3.589	
7,100.0	7,070.0	7,120.2	7,071.0	26.1	26.3	89.09	385.2	436.3	179.5	128.5	51.04	3.517	
7,200.0	7,170.0	7,220.2	7,171.0	26.4	26.6	89.49	383.9	435.2	178.4	126.7	51.72	3.449	
7,300.0	7,270.0	7,320.4	7,271.1	26.7	26.9	89.83	382.9	434.0	177.2	124.8	52.40	3.382	
7,400.0	7,370.0	7,420.4	7,371.2	27.1	27.2	90.20	381.7	432.8	175.9	122.8	53.08	3.314	
7,500.0	7,470.0	7,519.9	7,470.6	27.4	27.5	90.61	380.5	431.6	174.8	121.0	53.78	3.250	
7,600.0	7,570.0	7,619.4	7,570.1	27.8	27.9	91.08	379.1	430.8	174.0	119.5	54.47	3.195	
7,700.0	7,670.0	7,719.6	7,670.3	28.1	28.2	91.61	377.5	430.1	173.3	118.2	55.16	3.142	
7,800.0	7,770.0	7,819.7	7,770.4	28.5	28.5	92.18	375.8	429.2	172.5	116.6	55.86	3.088	
7,900.0	7,870.0	7,919.2	7,869.8	28.8	28.8	92.77	374.1	428.4	171.8	115.2	56.56	3.037	
8,000.0	7,970.0	8,018.8	7,969.4	29.2	29.1	93.43	372.1	428.0	171.4	114.2	57.26	2.994	
8,098.0	8,068.0	8,116.3	8,067.0	29.5	29.4	94.11	370.1	427.7	171.3	113.3	57.95	2.955	
8,100.0	8,070.0	8,118.3	8,069.0	29.5	29.4	94.12	370.1	427.7	171.3	113.3	57.97	2.955	
8,200.0	8,170.0	8,217.8	8,168.4	29.9	29.8	94.64	368.5	427.7	171.4	112.8	58.67	2.922	
8,300.0	8,270.0	8,318.0	8,268.7	30.2	30.1	95.07	367.2	427.9	171.7	112.3	59.37	2.892	
8,400.0	8,370.0	8,418.3	8,369.0	30.5	30.4	95.29	366.5	427.9	171.8	111.7	60.06	2.860	
8,500.0	8,470.0	8,518.1	8,468.7	30.9	30.7	95.32	366.4	428.0	171.9	111.1	60.75	2.830	
8,600.0	8,570.0	8,618.3	8,569.0	31.2	31.1	95.34	366.3	428.1	172.0	110.6	61.44	2.800	
8,700.0	8,670.0	8,719.8	8,670.4	31.6	31.4	95.36	366.3	427.7	171.6	109.5	62.11	2.764	
8,800.0	8,770.0	8,820.0	8,770.6	31.9	31.7	95.53	365.9	426.5	170.4	107.6	62.79	2.714	
8,854.5	8,824.4	8,872.8	8,823.4	32.1	31.9	95.59	365.8	426.2	170.1	107.0	63.19	2.693	
8,900.0	8,870.0	8,917.9	8,868.5	32.3	32.1	95.62	365.7	426.2	170.2	106.7	63.51	2.680	
9,000.0	8,970.0	9,019.1	8,969.7	32.6	32.4	95.84	365.0	426.4	170.4	106.2	64.19	2.655	
9,100.0	9,070.0	9,119.2	9,069.7	33.0	32.7	96.31	363.7	425.4	169.5	104.6	64.89	2.613	
9,132.1	9,102.1	9,150.5	9,101.1	33.1	32.8	96.35	363.6	425.3	169.5	104.3	65.12	2.602	
9,200.0	9,170.0	9,217.0	9,167.6	33.3	33.1	96.25	363.9	425.6	169.7	104.1	65.60	2.587	
9,300.0	9,270.0	9,316.9	9,267.5	33.7	33.4	95.86	364.9	426.7	170.7	104.5	66.29	2.576	
9,400.0	9,370.0	9,417.3	9,367.8	34.0	33.7	95.47	366.0	427.5	171.5	104.5	66.97	2.560	
9,500.0	9,470.0	9,516.7	9,467.2	34.4	34.1	94.79	368.0	428.5	172.3	104.6	67.65	2.546	
9,600.0	9,570.0	9,616.6	9,567.1	34.7	34.4	93.77	371.0	429.8	173.3	105.0	68.33	2.537	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,700.0	9,670.0	9,715.2	9,665.6	35.1	34.8	92.67	374.2	431.4	174.8	105.8	69.01	2.533	
9,800.0	9,770.0	9,816.4	9,766.7	35.4	35.1	91.69	377.2	433.2	176.4	106.8	69.68	2.532	
9,900.0	9,870.0	9,917.6	9,867.9	35.8	35.5	91.03	379.2	434.1	177.3	106.9	70.35	2.520	
10,000.0	9,970.0	10,017.4	9,967.7	36.1	35.8	90.40	381.1	434.8	178.0	106.9	71.04	2.505	
10,100.0	10,070.0	10,118.4	10,068.7	36.5	36.2	89.85	382.8	435.3	178.5	106.7	71.72	2.488	
10,200.0	10,170.0	10,219.6	10,169.9	36.8	36.5	89.37	384.3	435.0	178.2	105.8	72.39	2.461	
10,300.0	10,270.0	10,319.7	10,269.9	37.2	36.9	88.97	385.5	434.4	177.6	104.5	73.07	2.431	
10,400.0	10,370.0	10,419.3	10,369.5	37.5	37.2	88.79	386.1	433.9	177.1	103.4	73.76	2.401	
10,500.0	10,470.0	10,518.7	10,469.0	37.9	37.5	88.76	386.2	433.8	177.0	102.5	74.46	2.377	
10,500.5	10,470.4	10,519.2	10,469.4	37.9	37.5	88.76	386.2	433.8	177.0	102.5	74.46	2.377	
10,600.0	10,570.0	10,618.7	10,569.0	38.2	37.9	88.82	386.0	433.8	177.0	101.9	75.16	2.356	
10,700.0	10,670.0	10,719.1	10,669.4	38.6	38.2	88.97	385.5	433.7	176.9	101.1	75.85	2.332	
10,800.0	10,770.0	10,819.5	10,769.8	38.9	38.5	89.12	385.1	433.4	176.6	100.0	76.54	2.307	
10,900.0	10,870.0	10,920.2	10,870.4	39.3	38.9	89.27	384.6	432.7	175.9	98.7	77.22	2.278	
11,000.0	10,970.0	11,020.6	10,970.9	39.6	39.2	89.49	383.9	431.8	174.9	97.0	77.91	2.245	
11,100.0	11,070.0	11,120.1	11,070.3	40.0	39.5	89.81	382.9	430.8	174.0	95.4	78.62	2.213	
11,138.4	11,108.4	11,157.1	11,107.4	40.1	39.7	90.17	381.8	430.7	173.8	94.9	78.91	2.203	
11,200.0	11,170.0	11,216.2	11,166.2	40.3	39.8	91.68	377.2	431.0	174.3	94.9	79.38	2.195 SF	
11,300.0	11,270.0	11,307.5	11,255.4	40.7	40.1	97.67	358.6	433.1	178.4	98.3	80.10	2.227	
11,400.0	11,370.0	11,394.8	11,335.6	41.0	40.3	107.93	324.5	435.7	190.9	110.7	80.19	2.380	
11,500.0	11,470.0	11,481.6	11,413.0	41.4	40.5	118.27	285.1	437.7	212.8	133.2	79.60	2.674	
11,600.0	11,570.0	11,563.2	11,484.5	41.8	40.7	126.70	245.9	440.0	243.5	165.1	78.37	3.107	
11,700.0	11,670.0	11,640.2	11,550.9	42.1	40.9	133.23	207.1	443.3	281.8	204.9	76.85	3.667	
11,800.0	11,770.0	11,694.2	11,595.1	42.5	41.0	137.45	176.4	445.9	329.2	255.9	73.36	4.488	
11,900.0	11,870.0	11,744.0	11,632.5	42.8	41.0	141.40	143.5	447.5	386.4	316.5	69.88	5.530	
12,000.0	11,970.0	11,791.5	11,664.6	43.2	41.1	145.36	108.6	446.0	450.9	384.2	66.77	6.754	
12,091.0	12,061.0	11,836.6	11,693.0	43.5	41.1	149.00	73.7	442.3	514.1	449.5	64.63	7.955	
12,100.0	12,070.0	11,840.3	11,695.3	43.5	41.1	-22.37	70.8	442.0	520.5	456.1	64.39	8.083	
12,150.0	12,119.9	11,861.9	11,708.2	43.7	41.1	-19.23	53.7	439.8	555.0	491.9	63.07	8.800	
12,200.0	12,169.3	11,873.0	11,714.7	43.8	41.2	-17.25	44.7	438.8	587.8	526.8	60.98	9.639	
12,250.0	12,217.9	11,897.9	11,728.8	44.0	41.2	-15.01	24.3	436.5	618.6	558.8	59.82	10.341	
12,300.0	12,265.4	11,920.0	11,740.5	44.1	41.2	-13.33	5.6	435.0	647.7	589.3	58.43	11.085	
12,350.0	12,311.2	11,920.0	11,740.5	44.2	41.2	-12.59	5.6	435.0	675.1	619.5	55.66	12.130	
12,400.0	12,355.2	11,943.0	11,751.6	44.3	41.2	-11.34	-14.5	433.8	700.4	646.1	54.34	12.889	
12,450.0	12,396.9	11,967.0	11,761.7	44.4	41.2	-10.28	-36.2	432.7	724.3	671.2	53.06	13.650	
12,500.0	12,436.1	11,967.0	11,761.7	44.5	41.2	-9.86	-36.2	432.7	745.9	695.3	50.54	14.759	
12,550.0	12,472.4	11,983.5	11,767.8	44.5	41.2	-9.19	-51.5	432.2	765.7	716.7	48.98	15.634	
12,600.0	12,505.6	11,996.9	11,772.1	44.6	41.2	-8.67	-64.2	431.9	783.5	736.2	47.37	16.541	
12,650.0	12,535.4	12,013.0	11,776.6	44.6	41.3	-8.18	-79.7	431.6	799.4	753.4	46.00	17.379	
12,700.0	12,561.6	12,028.2	11,780.3	44.7	41.3	-7.78	-94.4	431.4	813.0	768.3	44.73	18.178	
12,750.0	12,584.0	12,047.1	11,784.4	44.7	41.3	-7.40	-112.9	431.4	824.3	780.6	43.73	18.850	
12,800.0	12,602.4	12,070.6	11,788.6	44.7	41.4	-7.04	-136.0	431.7	833.1	790.1	43.00	19.376	
12,850.0	12,616.7	12,108.0	11,794.5	44.8	41.5	-6.63	-172.9	432.4	838.8	796.1	42.69	19.651	
12,900.0	12,626.7	12,130.8	11,797.6	44.9	41.5	-6.43	-195.4	433.1	841.3	799.2	42.14	19.966	
12,950.0	12,632.5	12,155.0	11,800.3	45.0	41.6	-6.28	-219.5	434.3	840.9	799.2	41.76	20.136	
12,991.0	12,634.0	12,183.6	11,803.0	45.1	41.7	-6.17	-248.0	436.1	838.3	796.6	41.66	20.121	
13,000.0	12,634.0	12,189.4	11,803.4	45.1	41.7	-6.16	-253.7	436.4	837.5	795.9	41.64	20.112	
13,100.0	12,634.0	12,254.1	11,807.2	45.4	41.9	-6.07	-318.1	440.5	831.1	789.5	41.61	19.972	
13,200.0	12,634.0	12,326.5	11,808.3	45.7	42.2	-5.96	-390.5	444.2	829.2	787.2	41.94	19.772	
13,219.2	12,634.0	12,343.0	11,808.3	45.7	42.2	-5.95	-406.9	445.1	829.1	787.1	42.03	19.728	
13,300.0	12,634.0	12,424.3	11,807.8	46.0	42.6	-5.95	-488.1	449.0	829.6	787.2	42.42	19.557	
13,368.8	12,634.0	12,508.9	11,808.4	46.3	43.0	-5.91	-572.7	449.8	829.0	786.3	42.73	19.401	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,400.0	12,634.0	12,541.6	11,808.9	46.4	43.1	-5.90	-605.4	449.8	828.5	785.6	42.90	19.314	
13,500.0	12,634.0	12,633.8	11,810.1	46.8	43.6	-5.85	-697.6	449.7	827.1	783.7	43.48	19.023	
13,600.0	12,634.0	12,784.1	11,814.0	47.3	44.5	-5.48	-847.7	445.1	824.5	780.5	44.08	18.706	
13,700.0	12,634.0	12,877.6	11,819.7	47.9	45.1	-5.18	-941.0	441.0	818.1	773.5	44.62	18.335	
13,800.0	12,634.0	12,957.0	11,823.5	48.4	45.6	-5.05	-1,020.2	439.5	813.1	767.9	45.24	17.973	
13,896.1	12,634.0	13,025.0	11,824.9	49.0	46.1	-5.02	-1,088.2	439.4	811.2	765.2	46.02	17.627	
13,900.0	12,634.0	13,027.6	11,824.9	49.1	46.2	-5.02	-1,090.8	439.5	811.2	765.2	46.06	17.613	
14,000.0	12,634.0	13,097.8	11,823.4	49.7	46.7	-5.03	-1,161.0	440.3	813.3	766.2	47.09	17.271	
14,100.0	12,634.0	13,173.0	11,819.3	50.5	47.3	-5.14	-1,236.0	442.8	818.8	770.6	48.25	16.969	
14,200.0	12,634.0	13,330.7	11,812.8	51.2	48.6	-5.37	-1,393.5	448.0	823.8	775.1	48.71	16.912	
14,300.0	12,634.0	13,450.8	11,815.5	52.0	49.7	-5.45	-1,513.5	449.8	821.5	771.9	49.61	16.559	
14,397.9	12,634.0	13,527.2	11,816.7	52.9	50.4	-5.56	-1,589.9	451.9	820.1	769.4	50.66	16.187	
14,400.0	12,634.0	13,528.9	11,816.7	52.9	50.4	-5.56	-1,591.5	451.9	820.1	769.4	50.69	16.180	
14,500.0	12,634.0	13,623.8	11,816.3	53.8	51.4	-5.75	-1,686.4	455.4	820.8	769.0	51.78	15.851	
14,600.0	12,634.0	13,721.5	11,816.0	54.7	52.3	-6.02	-1,784.0	460.0	821.6	768.6	52.93	15.521	
14,700.0	12,634.0	13,833.0	11,815.8	55.7	53.5	-6.24	-1,895.4	464.2	822.0	768.0	54.02	15.218	
14,800.0	12,634.0	13,937.6	11,817.0	56.6	54.6	-6.54	-1,999.9	469.1	821.3	766.1	55.21	14.877	
14,900.0	12,634.0	14,034.3	11,818.1	57.7	55.7	-6.69	-2,096.5	471.9	820.4	764.0	56.40	14.546	
14,922.2	12,634.0	14,051.9	11,818.2	57.9	55.9	-6.68	-2,114.1	471.9	820.4	763.7	56.68	14.475	
15,000.0	12,634.0	14,113.4	11,817.4	58.7	56.6	-6.61	-2,175.7	471.4	821.1	763.5	57.63	14.248	
15,100.0	12,634.0	14,195.8	11,814.7	59.8	57.5	-6.48	-2,258.0	470.5	824.2	765.3	58.87	14.000	
15,200.0	12,634.0	14,361.1	11,815.3	60.9	59.4	-6.42	-2,423.2	470.9	823.4	763.8	59.61	13.814	
15,300.0	12,634.0	14,467.1	11,819.9	62.0	60.7	-6.55	-2,529.1	473.1	819.3	758.4	60.84	13.465	
15,400.0	12,634.0	14,562.6	11,824.3	63.1	61.9	-6.67	-2,624.4	475.0	814.8	752.7	62.13	13.115	
15,500.0	12,634.0	14,661.7	11,827.9	64.3	63.1	-6.54	-2,723.5	473.6	811.0	747.7	63.29	12.814	
15,600.0	12,634.0	14,812.7	11,839.0	65.5	65.0	-6.23	-2,873.9	469.0	802.9	738.6	64.28	12.490	
15,700.0	12,634.0	14,888.1	11,845.7	66.7	65.9	-6.23	-2,949.0	468.9	794.0	728.5	65.56	12.112	
15,800.0	12,634.0	14,951.4	11,848.7	67.9	66.8	-6.24	-3,012.3	469.2	789.2	722.2	66.98	11.783	
15,900.0	12,634.0	15,085.5	11,854.7	69.2	68.5	-6.28	-3,146.2	470.1	784.9	716.7	68.13	11.520	
16,000.0	12,634.0	15,159.0	11,859.4	70.4	69.5	-6.34	-3,219.5	471.1	778.8	709.2	69.58	11.193	
16,064.1	12,634.0	15,195.4	11,860.5	71.3	70.0	-6.38	-3,255.9	471.7	777.2	706.6	70.61	11.008	
16,100.0	12,634.0	15,211.4	11,860.3	71.7	70.2	-6.39	-3,271.9	472.0	777.7	706.5	71.24	10.917	
16,200.0	12,634.0	15,260.7	11,857.3	73.0	70.9	-6.43	-3,321.1	473.3	783.8	710.8	73.06	10.729	
16,300.0	12,634.0	15,401.4	11,847.9	74.3	72.8	-6.55	-3,461.4	477.1	790.8	716.8	74.06	10.678	
16,400.0	12,634.0	15,538.5	11,846.4	75.6	74.6	-6.63	-3,598.4	479.5	791.9	716.7	75.16	10.535	
16,500.0	12,634.0	15,660.6	11,849.5	77.0	76.3	-6.72	-3,720.5	481.2	789.4	712.9	76.43	10.328	
16,600.0	12,634.0	15,759.8	11,853.5	78.3	77.7	-6.81	-3,819.6	482.8	785.5	707.7	77.86	10.090	
16,700.0	12,634.0	15,850.4	11,856.2	79.7	79.0	-6.89	-3,910.2	484.3	782.7	703.3	79.35	9.864	
16,800.0	12,634.0	15,944.6	11,858.2	81.0	80.3	-7.02	-4,004.3	486.5	780.8	699.9	80.85	9.656	
16,893.6	12,634.0	16,025.8	11,859.5	82.3	81.5	-7.17	-4,085.4	489.1	779.6	697.3	82.35	9.467	
16,900.0	12,634.0	16,030.0	11,859.5	82.4	81.5	-7.17	-4,089.6	489.2	779.6	697.2	82.46	9.454	
17,000.0	12,634.0	16,099.0	11,857.7	83.8	82.5	-7.18	-4,158.6	490.0	782.1	698.0	84.11	9.299	
17,100.0	12,634.0	16,237.3	11,856.4	85.2	84.5	-6.98	-4,296.9	488.6	782.4	697.4	85.09	9.195	
17,200.0	12,634.0	16,338.5	11,856.2	86.6	85.9	-6.81	-4,398.1	487.0	782.4	696.0	86.38	9.057	
17,300.0	12,634.0	16,443.0	11,857.7	88.0	87.4	-6.76	-4,502.5	487.0	780.8	693.0	87.74	8.899	
17,397.4	12,634.0	16,529.7	11,858.4	89.4	88.7	-6.79	-4,589.3	487.9	780.0	690.8	89.23	8.742	
17,400.0	12,634.0	16,532.0	11,858.4	89.4	88.7	-6.79	-4,591.5	487.9	780.0	690.8	89.27	8.738	
17,500.0	12,634.0	16,632.0	11,858.1	90.9	90.2	-6.85	-4,691.5	489.6	780.5	689.7	90.75	8.601	
17,553.9	12,634.0	16,686.2	11,858.2	91.7	91.0	-6.89	-4,745.7	490.6	780.4	688.8	91.55	8.524	
17,600.0	12,634.0	16,725.8	11,858.1	92.3	91.6	-6.91	-4,785.3	491.1	780.6	688.3	92.27	8.459	
17,700.0	12,634.0	16,818.8	11,856.7	93.8	93.0	-6.91	-4,878.3	492.0	782.0	688.3	93.77	8.340	
17,800.0	12,634.0	16,907.5	11,854.7	95.2	94.3	-6.83	-4,967.0	491.9	784.2	689.0	95.25	8.233	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys												Offset Site Error:	0.0 usft
Survey Program: 172-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,900.0	12,634.0	17,012.1	11,850.7	96.7	95.8	-6.67	-5,071.5	491.0	787.8	691.3	96.55	8.160	
18,000.0	12,634.0	17,142.0	11,849.6	98.1	97.7	-6.51	-5,201.4	489.8	788.6	690.9	97.66	8.074	
18,100.0	12,634.0	17,232.8	11,850.0	99.6	99.1	-6.47	-5,292.2	490.0	788.0	688.8	99.17	7.946	
18,106.2	12,634.0	17,238.7	11,850.0	99.7	99.2	-6.47	-5,298.0	490.0	788.0	688.7	99.26	7.938	
18,200.0	12,634.0	17,328.5	11,849.9	101.1	100.5	-6.52	-5,387.9	491.4	788.2	687.5	100.71	7.827	
18,300.0	12,634.0	17,440.8	11,850.6	102.6	102.2	-6.51	-5,500.1	492.1	787.5	685.5	102.08	7.715	
18,348.8	12,634.0	17,481.3	11,850.7	103.3	102.8	-6.46	-5,540.6	491.6	787.3	684.5	102.82	7.657	
18,400.0	12,634.0	17,528.6	11,850.3	104.1	103.5	-6.36	-5,587.9	490.7	787.5	684.0	103.53	7.607	
18,500.0	12,634.0	17,645.3	11,851.2	105.6	105.3	-6.20	-5,704.6	489.3	786.5	681.8	104.76	7.508	
18,600.0	12,634.0	17,743.8	11,852.6	107.0	106.8	-6.17	-5,803.1	489.6	785.0	678.8	106.23	7.390	
18,700.0	12,634.0	17,846.7	11,854.3	108.5	108.4	-6.28	-5,905.9	491.6	783.5	675.7	107.77	7.270	
18,800.0	12,634.0	17,943.8	11,856.4	110.1	109.9	-6.50	-6,003.0	495.1	781.7	672.2	109.45	7.142	
18,875.4	12,634.0	18,008.1	11,857.3	111.2	110.8	-6.69	-6,067.2	498.2	781.0	670.2	110.82	7.048	
18,900.0	12,634.0	18,027.1	11,857.3	111.6	111.1	-6.72	-6,086.2	498.8	781.1	669.8	111.26	7.020	
19,000.0	12,634.0	18,105.7	11,855.6	113.1	112.3	-6.71	-6,164.8	499.4	783.2	670.3	112.89	6.938	
19,100.0	12,634.0	18,187.6	11,851.5	114.6	113.6	-6.55	-6,246.6	498.3	787.9	673.5	114.36	6.890	
19,200.0	12,634.0	18,274.8	11,845.4	116.1	114.9	-6.32	-6,333.6	496.5	794.5	678.8	115.71	6.867	
19,300.0	12,634.0	18,381.6	11,837.9	117.6	116.6	-6.02	-6,440.0	493.9	801.1	684.2	116.93	6.851	
19,400.0	12,634.0	18,473.4	11,830.9	119.2	118.0	-5.72	-6,531.6	491.2	808.3	690.1	118.22	6.838	
19,500.0	12,634.0	18,579.5	11,823.4	120.7	119.6	-5.46	-6,637.3	489.0	815.1	695.6	119.48	6.822	
19,600.0	12,634.0	18,679.6	11,816.2	122.2	121.2	-5.32	-6,737.1	488.5	822.1	701.3	120.87	6.802	
19,700.0	12,634.0	18,787.6	11,809.9	123.8	122.8	-5.32	-6,845.0	489.8	828.0	705.7	122.33	6.769	
19,800.0	12,634.0	18,911.3	11,804.2	125.3	124.8	-5.44	-6,968.4	493.2	832.9	709.1	123.83	6.726	
19,900.0	12,634.0	19,005.0	11,801.7	126.9	126.2	-5.61	-7,062.1	496.6	835.8	710.3	125.50	6.660	
20,000.0	12,634.0	19,090.3	11,798.2	128.4	127.6	-5.80	-7,147.2	500.5	840.2	713.0	127.22	6.605	
20,100.0	12,634.0	19,174.2	11,793.4	130.0	128.9	-6.06	-7,230.8	505.4	846.5	717.5	128.99	6.562	
20,200.0	12,634.0	19,277.9	11,786.3	131.5	130.5	-6.35	-7,334.2	511.3	853.9	723.2	130.75	6.531	
20,300.0	12,634.0	19,381.7	11,780.1	133.1	132.2	-6.61	-7,437.6	516.7	860.3	727.8	132.50	6.493	
20,400.0	12,634.0	19,476.1	11,774.0	134.6	133.6	-6.62	-7,531.7	518.3	866.9	732.8	134.04	6.467	
20,500.0	12,634.0	19,563.9	11,767.3	136.2	135.0	-6.56	-7,619.3	518.8	874.4	738.9	135.51	6.453	
20,600.0	12,634.0	19,716.1	11,759.1	137.7	137.4	-6.68	-7,771.2	522.8	880.1	743.1	137.02	6.424	
20,700.0	12,634.0	19,825.3	11,757.9	139.3	139.1	-6.73	-7,880.4	524.6	881.2	742.7	138.55	6.360	
20,800.0	12,634.0	19,905.3	11,756.1	140.9	140.4	-6.65	-7,960.3	524.1	883.4	743.3	140.10	6.306	
20,900.0	12,634.0	20,007.7	11,751.0	142.4	142.0	-6.43	-8,062.6	522.1	888.1	746.7	141.41	6.280	
21,000.0	12,634.0	20,138.9	11,749.9	144.0	144.1	-6.48	-8,193.8	524.0	888.7	745.9	142.82	6.223	
21,020.5	12,634.0	20,161.7	11,750.1	144.3	144.4	-6.52	-8,216.6	524.9	888.7	745.5	143.17	6.207	
21,100.0	12,634.0	20,219.4	11,749.7	145.6	145.4	-6.66	-8,274.2	527.5	889.5	744.8	144.66	6.149	
21,200.0	12,634.0	20,356.6	11,749.6	147.1	147.5	-6.94	-8,411.3	533.0	890.1	743.8	146.23	6.087	
21,300.0	12,634.0	20,463.5	11,752.6	148.7	149.2	-6.94	-8,518.1	533.5	887.3	739.6	147.72	6.007	
21,400.0	12,634.0	20,558.3	11,754.9	150.3	150.7	-6.79	-8,612.9	531.5	884.5	735.4	149.15	5.930	
21,500.0	12,634.0	20,664.5	11,756.4	151.9	152.4	-6.37	-8,718.8	525.7	882.5	732.3	150.20	5.875	
21,600.0	12,634.0	20,753.0	11,759.3	153.4	153.8	-6.09	-8,807.3	521.7	878.8	727.2	151.57	5.798	
21,634.0	12,634.0	20,771.7	11,759.4	154.0	154.1	-6.05	-8,825.9	521.2	878.5	726.3	152.18	5.773	
21,700.0	12,634.0	20,813.0	11,758.5	155.0	154.7	-5.98	-8,867.2	520.7	879.6	726.4	153.27	5.739	
21,800.0	12,634.0	20,906.3	11,755.1	156.6	156.2	-5.99	-8,960.4	521.9	883.3	728.5	154.84	5.705	
21,900.0	12,634.0	21,035.5	11,753.6	158.2	158.3	-6.25	-9,089.5	527.0	884.6	728.1	156.51	5.652	
22,000.0	12,634.0	21,135.4	11,753.6	159.8	159.9	-6.42	-9,189.3	530.4	884.9	726.7	158.24	5.592	
22,100.0	12,634.0	21,223.5	11,753.4	161.4	161.3	-6.54	-9,277.4	533.0	885.5	725.5	159.99	5.534	
22,200.0	12,634.0	21,299.4	11,750.9	163.0	162.5	-6.49	-9,353.3	533.2	888.6	727.0	161.58	5.499	
22,300.0	12,634.0	21,406.3	11,746.6	164.5	164.2	-6.55	-9,460.0	535.3	892.8	729.6	163.17	5.472	
22,400.0	12,634.0	21,522.1	11,744.8	166.1	166.1	-6.91	-9,575.6	542.2	894.9	729.8	165.10	5.420	
22,500.0	12,634.0	21,625.6	11,743.5	167.7	167.7	-7.26	-9,678.9	548.6	896.8	729.7	167.07	5.368	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #216H - Wellbore #1 - Actual Surveys													Offset Site Error:	0.0 usft
Survey Program: 172-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
22,600.0	12,634.0	21,748.2	11,744.2	169.3	169.7	-7.76	-9,801.2	557.4	897.1	728.0	169.12	5.304		
22,649.7	12,634.0	21,788.2	11,744.9	170.1	170.4	-7.93	-9,841.1	560.3	896.7	726.5	170.21	5.268		
22,700.0	12,634.0	21,823.5	11,744.9	170.9	170.9	-8.07	-9,876.2	562.8	897.1	725.8	171.30	5.237		
22,796.3	12,634.0	21,888.0	11,743.3	172.4	172.0	-8.32	-9,940.6	567.5	900.4	727.1	173.26	5.197		
22,796.7	12,634.0	21,888.2	11,743.3	172.5	172.0	-8.32	-9,940.8	567.5	900.4	727.3	173.14	5.201		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	1.0	-1.0	0.0	0.0	-0.60	30.0	-0.3	30.0				
100.0	100.0	101.0	99.0	0.1	0.1	-0.60	30.0	-0.3	30.0	29.8	0.26	115.623	
200.0	200.0	201.0	199.0	0.5	0.5	-0.60	30.0	-0.3	30.0	29.1	0.98	30.762	
300.0	300.0	301.0	299.0	0.8	0.8	-0.60	30.0	-0.3	30.0	28.4	1.69	17.741	
400.0	400.0	401.0	399.0	1.2	1.2	-0.60	30.0	-0.3	30.0	27.6	2.41	12.465	
500.0	500.0	501.0	499.0	1.6	1.6	-0.60	30.0	-0.3	30.0	26.9	3.13	9.608	
600.0	600.0	601.0	599.0	1.9	1.9	-0.60	30.0	-0.3	30.0	26.2	3.84	7.816	
700.0	700.0	701.0	699.0	2.3	2.3	-0.60	30.0	-0.3	30.0	25.5	4.56	6.588	
800.0	800.0	801.0	799.0	2.6	2.6	-0.60	30.0	-0.3	30.0	24.8	5.28	5.693	
900.0	900.0	901.0	899.0	3.0	3.0	-0.60	30.0	-0.3	30.0	24.1	6.00	5.012	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-0.60	30.0	-0.3	30.0	23.3	6.71	4.477	
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-0.60	30.0	-0.3	30.0	22.6	7.43	4.045	
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-0.60	30.0	-0.3	30.0	21.9	8.15	3.689	
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-0.60	30.0	-0.3	30.0	21.2	8.86	3.390	
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-0.60	30.0	-0.3	30.0	20.5	9.58	3.137	
1,500.0	1,500.0	1,499.0	1,499.0	5.1	5.1	-0.60	30.0	-0.3	30.0	19.8	10.29	2.920	
1,600.0	1,600.0	1,598.6	1,598.6	5.5	5.5	-36.51	30.7	-0.9	30.0	19.0	11.00	2.726	
1,641.3	1,641.3	1,639.7	1,639.7	5.7	5.6	-38.54	31.3	-1.5	30.0	18.7	11.29	2.653 CC	
1,700.0	1,700.0	1,698.1	1,698.1	5.9	5.9	-42.62	32.6	-2.6	30.0	18.3	11.71	2.566 ES	
1,800.0	1,799.9	1,797.5	1,797.4	6.2	6.2	-52.52	35.8	-5.5	30.9	18.5	12.41	2.490	
1,900.0	1,899.7	1,896.7	1,896.4	6.6	6.6	-64.94	40.2	-9.6	33.5	20.4	13.11	2.559	
2,000.0	1,999.4	1,995.6	1,995.0	6.9	6.9	-77.61	45.9	-14.8	38.8	25.0	13.80	2.813	
2,100.0	2,098.9	2,094.2	2,093.1	7.3	7.3	-88.56	52.8	-21.1	47.2	32.7	14.49	3.255	
2,200.0	2,198.3	2,192.4	2,190.7	7.7	7.6	-97.09	60.9	-28.5	58.5	43.3	15.19	3.854	
2,300.0	2,297.4	2,290.1	2,287.6	8.0	8.0	-103.43	70.2	-37.0	72.7	56.8	15.89	4.576	
2,400.0	2,396.4	2,388.5	2,385.0	8.4	8.4	-108.01	80.3	-46.2	88.6	72.0	16.62	5.332	
2,500.0	2,495.5	2,487.0	2,482.6	8.8	8.7	-111.18	90.5	-55.4	104.9	87.5	17.35	6.045	
2,600.0	2,594.5	2,585.5	2,580.2	9.2	9.1	-113.50	100.6	-64.7	121.4	103.3	18.09	6.711	
2,700.0	2,693.5	2,684.1	2,677.7	9.6	9.5	-115.26	110.7	-73.9	138.1	119.2	18.83	7.331	
2,800.0	2,792.5	2,782.6	2,775.3	9.9	9.9	-116.65	120.8	-83.2	154.8	135.3	19.58	7.908	
2,900.0	2,891.6	2,881.1	2,872.9	10.3	10.3	-117.76	131.0	-92.4	171.7	151.4	20.33	8.445	
3,000.0	2,990.6	2,979.6	2,970.4	10.7	10.7	-118.67	141.1	-101.7	188.6	167.5	21.08	8.945	
3,100.0	3,089.6	3,078.2	3,068.0	11.1	11.0	-119.43	151.2	-110.9	205.5	183.7	21.84	9.411	
3,200.0	3,188.6	3,176.7	3,165.5	11.5	11.4	-120.08	161.4	-120.1	222.5	199.9	22.59	9.847	
3,300.0	3,287.7	3,275.2	3,263.1	11.9	11.8	-120.63	171.5	-129.4	239.4	216.1	23.35	10.254	
3,400.0	3,386.7	3,373.7	3,360.7	12.3	12.2	-121.12	181.6	-138.6	256.4	232.3	24.11	10.636	
3,500.0	3,485.7	3,472.2	3,458.2	12.7	12.6	-121.54	191.7	-147.9	273.5	248.6	24.87	10.994	
3,600.0	3,584.8	3,570.8	3,555.8	13.1	13.0	-121.91	201.9	-157.1	290.5	264.9	25.64	11.331	
3,700.0	3,683.8	3,669.3	3,653.4	13.5	13.4	-122.24	212.0	-166.4	307.5	281.1	26.40	11.648	
3,800.0	3,782.8	3,767.8	3,750.9	13.9	13.8	-122.54	222.1	-175.6	324.6	297.4	27.17	11.947	
3,900.0	3,881.8	3,866.3	3,848.5	14.3	14.2	-122.80	232.3	-184.8	341.6	313.7	27.94	12.229	
4,000.0	3,980.9	3,964.9	3,946.1	14.7	14.6	-123.05	242.4	-194.1	358.7	330.0	28.71	12.496	
4,100.0	4,079.9	4,063.4	4,043.6	15.1	15.0	-123.26	252.5	-203.3	375.8	346.3	29.48	12.748	
4,200.0	4,178.9	4,161.9	4,141.2	15.5	15.4	-123.46	262.6	-212.6	392.8	362.6	30.25	12.988	
4,300.0	4,277.9	4,260.4	4,238.8	16.0	15.8	-123.65	272.8	-221.8	409.9	378.9	31.02	13.215	
4,400.0	4,377.0	4,358.9	4,336.3	16.4	16.2	-123.82	282.9	-231.1	427.0	395.2	31.79	13.431	
4,500.0	4,476.0	4,457.5	4,433.9	16.8	16.6	-123.97	293.0	-240.3	444.1	411.5	32.57	13.637	
4,600.0	4,575.0	4,556.0	4,531.4	17.2	17.0	-124.12	303.2	-249.5	461.2	427.8	33.34	13.833	
4,700.0	4,674.0	4,654.5	4,629.0	17.6	17.4	-124.25	313.3	-258.8	478.3	444.2	34.11	14.020	
4,800.0	4,773.1	4,753.0	4,726.6	18.0	17.8	-124.38	323.4	-268.0	495.4	460.5	34.89	14.198	
4,900.0	4,872.1	4,851.6	4,824.1	18.4	18.2	-124.49	333.5	-277.3	512.5	476.8	35.67	14.368	
4,941.9	4,913.6	4,907.2	4,865.0	18.6	18.5	-124.54	337.8	-281.1	519.6	483.6	36.05	14.415	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,971.2	4,950.1	4,921.7	18.8	18.6	-124.68	343.7	-286.5	529.3	492.9	36.44	14.525	
5,100.0	5,070.6	5,051.9	5,022.5	19.2	19.1	-124.74	354.0	-296.0	544.7	507.5	37.24	14.630	
5,200.0	5,170.2	5,161.5	5,131.4	19.6	19.5	-124.69	363.5	-304.6	557.3	519.2	38.08	14.636	
5,300.0	5,270.0	5,271.8	5,241.3	19.9	19.9	-124.60	370.7	-311.2	566.5	527.6	38.89	14.567	
5,400.0	5,370.0	5,382.6	5,351.9	20.3	20.3	-124.48	375.5	-315.6	572.3	532.6	39.67	14.427	
5,475.2	5,445.2	5,466.2	5,435.4	20.6	20.6	-90.47	377.6	-317.5	574.4	534.2	40.23	14.279	
5,500.0	5,470.0	5,493.7	5,462.9	20.6	20.7	-90.43	378.0	-317.8	574.7	534.3	40.41	14.222	
5,600.0	5,570.0	5,600.2	5,569.0	21.0	21.1	-90.40	378.4	-318.2	575.0	533.9	41.11	13.986	
5,700.0	5,670.0	5,700.2	5,669.0	21.3	21.4	-90.40	378.4	-318.2	575.0	533.2	41.79	13.759	
5,800.0	5,770.0	5,800.2	5,769.0	21.6	21.7	-90.40	378.4	-318.2	575.0	532.6	42.47	13.539	
5,900.0	5,870.0	5,900.2	5,869.0	22.0	22.1	-90.40	378.4	-318.2	575.0	531.9	43.15	13.325	
6,000.0	5,970.0	6,000.2	5,969.0	22.3	22.4	-90.40	378.4	-318.2	575.0	531.2	43.84	13.117	
6,100.0	6,070.0	6,100.2	6,069.0	22.7	22.7	-90.40	378.4	-318.2	575.0	530.5	44.52	12.916	
6,200.0	6,170.0	6,200.2	6,169.0	23.0	23.1	-90.40	378.4	-318.2	575.0	529.8	45.20	12.720	
6,300.0	6,270.0	6,300.2	6,269.0	23.3	23.4	-90.40	378.4	-318.2	575.0	529.1	45.89	12.530	
6,400.0	6,370.0	6,400.2	6,369.0	23.7	23.8	-90.40	378.4	-318.2	575.0	528.4	46.58	12.346	
6,500.0	6,470.0	6,500.2	6,469.0	24.0	24.1	-90.40	378.4	-318.2	575.0	527.8	47.26	12.166	
6,600.0	6,570.0	6,600.2	6,569.0	24.3	24.4	-90.40	378.4	-318.2	575.0	527.1	47.95	11.991	
6,700.0	6,670.0	6,700.2	6,669.0	24.7	24.8	-90.40	378.4	-318.2	575.0	526.4	48.64	11.822	
6,800.0	6,770.0	6,800.2	6,769.0	25.0	25.1	-90.40	378.4	-318.2	575.0	525.7	49.33	11.656	
6,900.0	6,870.0	6,900.2	6,869.0	25.4	25.5	-90.40	378.4	-318.2	575.0	525.0	50.02	11.495	
7,000.0	6,970.0	7,000.2	6,969.0	25.7	25.8	-90.40	378.4	-318.2	575.0	524.3	50.71	11.339	
7,100.0	7,070.0	7,100.2	7,069.0	26.1	26.1	-90.40	378.4	-318.2	575.0	523.6	51.41	11.186	
7,200.0	7,170.0	7,200.2	7,169.0	26.4	26.5	-90.40	378.4	-318.2	575.0	522.9	52.10	11.037	
7,300.0	7,270.0	7,300.2	7,269.0	26.7	26.8	-90.40	378.4	-318.2	575.0	522.2	52.79	10.892	
7,400.0	7,370.0	7,400.2	7,369.0	27.1	27.2	-90.40	378.4	-318.2	575.0	521.5	53.49	10.751	
7,500.0	7,470.0	7,500.2	7,469.0	27.4	27.5	-90.40	378.4	-318.2	575.0	520.8	54.18	10.613	
7,600.0	7,570.0	7,600.2	7,569.0	27.8	27.9	-90.40	378.4	-318.2	575.0	520.1	54.88	10.479	
7,700.0	7,670.0	7,700.2	7,669.0	28.1	28.2	-90.40	378.4	-318.2	575.0	519.5	55.57	10.347	
7,800.0	7,770.0	7,800.2	7,769.0	28.5	28.5	-90.40	378.4	-318.2	575.0	518.8	56.27	10.219	
7,900.0	7,870.0	7,900.2	7,869.0	28.8	28.9	-90.40	378.4	-318.2	575.0	518.1	56.97	10.094	
8,000.0	7,970.0	8,000.2	7,969.0	29.2	29.2	-90.40	378.4	-318.2	575.0	517.4	57.66	9.972	
8,100.0	8,070.0	8,100.2	8,069.0	29.5	29.6	-90.40	378.4	-318.2	575.0	516.7	58.36	9.853	
8,200.0	8,170.0	8,200.2	8,169.0	29.9	29.9	-90.40	378.4	-318.2	575.0	516.0	59.06	9.737	
8,300.0	8,270.0	8,300.2	8,269.0	30.2	30.3	-90.40	378.4	-318.2	575.0	515.3	59.76	9.623	
8,400.0	8,370.0	8,400.2	8,369.0	30.5	30.6	-90.40	378.4	-318.2	575.0	514.6	60.46	9.511	
8,500.0	8,470.0	8,500.2	8,469.0	30.9	31.0	-90.40	378.4	-318.2	575.0	513.9	61.16	9.403	
8,600.0	8,570.0	8,600.2	8,569.0	31.2	31.3	-90.40	378.4	-318.2	575.0	513.2	61.86	9.296	
8,700.0	8,670.0	8,700.2	8,669.0	31.6	31.7	-90.40	378.4	-318.2	575.0	512.5	62.56	9.192	
8,800.0	8,770.0	8,800.2	8,769.0	31.9	32.0	-90.40	378.4	-318.2	575.0	511.8	63.26	9.090	
8,900.0	8,870.0	8,900.2	8,869.0	32.3	32.4	-90.40	378.4	-318.2	575.0	511.1	63.96	8.991	
9,000.0	8,970.0	9,000.2	8,969.0	32.6	32.7	-90.40	378.4	-318.2	575.0	510.4	64.66	8.893	
9,100.0	9,070.0	9,100.2	9,069.0	33.0	33.0	-90.40	378.4	-318.2	575.0	509.7	65.36	8.798	
9,200.0	9,170.0	9,200.2	9,169.0	33.3	33.4	-90.40	378.4	-318.2	575.0	509.0	66.06	8.704	
9,300.0	9,270.0	9,300.2	9,269.0	33.7	33.7	-90.40	378.4	-318.2	575.0	508.3	66.77	8.613	
9,400.0	9,370.0	9,400.2	9,369.0	34.0	34.1	-90.40	378.4	-318.2	575.0	507.6	67.47	8.523	
9,500.0	9,470.0	9,500.2	9,469.0	34.4	34.4	-90.40	378.4	-318.2	575.0	506.9	68.17	8.435	
9,600.0	9,570.0	9,600.2	9,569.0	34.7	34.8	-90.40	378.4	-318.2	575.0	506.2	68.87	8.349	
9,700.0	9,670.0	9,700.2	9,669.0	35.1	35.1	-90.40	378.4	-318.2	575.0	505.4	69.58	8.264	
9,800.0	9,770.0	9,800.2	9,769.0	35.4	35.5	-90.40	378.4	-318.2	575.0	504.7	70.28	8.182	
9,900.0	9,870.0	9,900.2	9,869.0	35.8	35.8	-90.40	378.4	-318.2	575.0	504.0	70.99	8.101	
10,000.0	9,970.0	10,000.2	9,969.0	36.1	36.2	-90.40	378.4	-318.2	575.0	503.3	71.69	8.021	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.0	10,100.2	10,069.0	36.5	36.5	-90.40	378.4	-318.2	575.0	502.6	72.40	7.943	
10,200.0	10,170.0	10,200.2	10,169.0	36.8	36.9	-90.40	378.4	-318.2	575.0	501.9	73.10	7.866	
10,300.0	10,270.0	10,300.2	10,269.0	37.2	37.2	-90.40	378.4	-318.2	575.0	501.2	73.80	7.791	
10,400.0	10,370.0	10,400.2	10,369.0	37.5	37.6	-90.40	378.4	-318.2	575.0	500.5	74.51	7.717	
10,500.0	10,470.0	10,500.2	10,469.0	37.9	37.9	-90.40	378.4	-318.2	575.0	499.8	75.22	7.645	
10,600.0	10,570.0	10,600.2	10,569.0	38.2	38.3	-90.40	378.4	-318.2	575.0	499.1	75.92	7.574	
10,700.0	10,670.0	10,700.2	10,669.0	38.6	38.6	-90.40	378.4	-318.2	575.0	498.4	76.63	7.504	
10,800.0	10,770.0	10,800.2	10,769.0	38.9	39.0	-90.40	378.4	-318.2	575.0	497.7	77.33	7.436	
10,900.0	10,870.0	10,900.2	10,869.0	39.3	39.3	-90.40	378.4	-318.2	575.0	497.0	78.04	7.368	
11,000.0	10,970.0	11,000.2	10,969.0	39.6	39.7	-90.40	378.4	-318.2	575.0	496.3	78.75	7.302	
11,100.0	11,070.0	11,100.2	11,069.0	40.0	40.0	-90.40	378.4	-318.2	575.0	495.6	79.45	7.237	
11,200.0	11,170.0	11,200.2	11,169.0	40.3	40.4	-90.40	378.4	-318.2	575.0	494.9	80.16	7.173	
11,300.0	11,270.0	11,300.2	11,269.0	40.7	40.8	-90.40	378.4	-318.2	575.0	494.2	80.87	7.111	
11,400.0	11,370.0	11,400.2	11,369.0	41.0	41.1	-90.40	378.4	-318.2	575.0	493.5	81.57	7.049	
11,500.0	11,470.0	11,500.2	11,469.0	41.4	41.5	-90.40	378.4	-318.2	575.0	492.7	82.28	6.988	
11,600.0	11,570.0	11,600.2	11,569.0	41.8	41.8	-90.40	378.4	-318.2	575.0	492.0	82.99	6.929	
11,700.0	11,670.0	11,700.2	11,669.0	42.1	42.2	-90.40	378.4	-318.2	575.0	491.3	83.70	6.870	
11,800.0	11,770.0	11,813.2	11,781.9	42.5	42.5	-91.18	370.5	-316.9	574.1	489.7	84.39	6.803	
11,900.0	11,870.0	11,922.3	11,887.2	42.8	42.8	-93.99	342.7	-312.6	571.1	486.1	85.02	6.717	
12,000.0	11,970.0	12,018.0	11,973.7	43.2	43.0	-98.08	302.4	-306.3	568.8	483.2	85.62	6.643	
12,018.4	11,988.3	12,033.9	11,987.3	43.2	43.0	-98.90	294.4	-305.0	568.7	483.0	85.72	6.634	
12,091.0	12,061.0	12,091.8	12,035.0	43.5	43.1	-102.20	262.0	-299.9	570.2	484.2	86.01	6.629	
12,100.0	12,070.0	12,098.4	12,040.2	43.5	43.1	85.36	258.0	-299.3	570.6	484.6	86.03	6.633	
12,150.0	12,119.9	12,134.7	12,068.1	43.7	43.2	82.89	235.0	-295.7	573.8	487.7	86.05	6.668	
12,200.0	12,169.3	12,170.0	12,093.7	43.8	43.3	80.44	211.0	-292.0	578.2	492.3	85.92	6.729	
12,250.0	12,217.9	12,204.5	12,117.2	44.0	43.3	78.03	186.1	-288.1	583.7	498.0	85.65	6.814	
12,300.0	12,265.4	12,238.3	12,138.8	44.1	43.3	75.68	160.4	-284.0	590.0	504.8	85.24	6.922	
12,350.0	12,311.2	12,271.5	12,158.5	44.2	43.4	73.41	134.0	-279.9	597.0	512.3	84.70	7.049	
12,400.0	12,355.2	12,304.2	12,176.2	44.3	43.4	71.24	106.9	-275.7	604.5	520.4	84.05	7.192	
12,450.0	12,396.9	12,336.4	12,192.2	44.4	43.4	69.18	79.2	-271.3	612.2	528.9	83.32	7.348	
12,500.0	12,436.1	12,368.3	12,206.5	44.5	43.5	67.25	51.1	-266.9	620.1	537.6	82.53	7.514	
12,550.0	12,472.4	12,400.0	12,219.1	44.5	43.5	65.45	22.3	-262.4	627.9	546.2	81.71	7.684	
12,600.0	12,505.6	12,431.0	12,229.8	44.6	43.5	63.80	-6.4	-257.9	635.5	554.6	80.89	7.856	
12,650.0	12,535.4	12,462.0	12,238.9	44.6	43.5	62.29	-35.7	-253.3	642.7	562.6	80.11	8.023	
12,700.0	12,561.6	12,492.8	12,246.4	44.7	43.6	60.94	-65.2	-248.7	649.5	570.1	79.38	8.182	
12,750.0	12,584.0	12,523.4	12,252.2	44.7	43.6	59.75	-94.8	-244.1	655.6	576.9	78.73	8.328	
12,800.0	12,602.4	12,550.0	12,256.0	44.7	43.7	58.77	-120.9	-240.0	661.2	583.0	78.16	8.459	
12,850.0	12,616.7	12,584.1	12,259.0	44.8	43.7	57.83	-154.4	-234.7	665.9	588.1	77.76	8.564	
12,900.0	12,626.7	12,614.3	12,259.9	44.9	43.8	57.10	-184.3	-230.1	669.8	592.4	77.47	8.647	
12,950.0	12,632.5	12,654.6	12,260.0	45.0	43.8	56.53	-224.0	-224.1	672.6	595.2	77.36	8.694	
12,991.0	12,634.0	12,688.8	12,260.0	45.1	43.9	56.37	-258.0	-219.4	673.5	596.0	77.44	8.697	
13,000.0	12,634.0	12,696.3	12,260.0	45.1	43.9	56.37	-265.5	-218.4	673.6	596.1	77.48	8.694	
13,100.0	12,634.0	12,780.0	12,260.0	45.4	44.1	56.40	-348.5	-209.0	674.0	596.1	77.92	8.651	
13,200.0	12,634.0	12,863.6	12,260.0	45.7	44.4	56.40	-431.8	-201.9	674.0	595.6	78.42	8.595	
13,300.0	12,634.0	12,947.2	12,260.0	46.0	44.7	56.37	-515.3	-197.4	673.6	594.6	78.98	8.528	
13,368.8	12,634.0	13,004.7	12,260.0	46.3	44.9	56.34	-572.8	-195.6	672.9	593.5	79.40	8.475	
13,400.0	12,634.0	13,030.8	12,260.0	46.4	45.0	56.33	-598.9	-195.2	672.7	593.1	79.60	8.451	
13,438.7	12,634.0	13,067.7	12,260.0	46.6	45.2	56.33	-635.8	-194.9	672.7	592.8	79.90	8.420	
13,500.0	12,634.0	13,129.0	12,260.0	46.8	45.5	56.33	-697.1	-194.4	672.7	592.3	80.39	8.369	
13,600.0	12,634.0	13,229.0	12,260.0	47.3	46.0	56.33	-797.1	-193.6	672.7	591.4	81.27	8.278	
13,700.0	12,634.0	13,329.0	12,260.0	47.9	46.6	56.33	-897.1	-192.9	672.7	590.5	82.24	8.180	
13,800.0	12,634.0	13,429.0	12,260.0	48.4	47.2	56.33	-997.1	-192.1	672.7	589.4	83.30	8.076	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,900.0	12,634.0	13,529.0	12,260.0	49.1	47.8	56.33	-1,097.1	-191.3	672.7	588.3	84.45	7.966	
14,000.0	12,634.0	13,629.0	12,260.0	49.7	48.5	56.32	-1,197.1	-190.5	672.7	587.0	85.68	7.852	
14,100.0	12,634.0	13,729.0	12,260.0	50.5	49.3	56.32	-1,297.1	-189.7	672.7	585.7	86.98	7.734	
14,200.0	12,634.0	13,829.0	12,260.0	51.2	50.1	56.32	-1,397.1	-188.9	672.7	584.3	88.36	7.613	
14,300.0	12,634.0	13,929.0	12,260.0	52.0	50.9	56.32	-1,497.1	-188.1	672.7	582.9	89.82	7.490	
14,400.0	12,634.0	14,029.0	12,260.0	52.9	51.8	56.32	-1,597.1	-187.4	672.7	581.3	91.34	7.365	
14,500.0	12,634.0	14,129.0	12,260.0	53.8	52.7	56.32	-1,697.0	-186.6	672.7	579.8	92.92	7.239	
14,600.0	12,634.0	14,229.0	12,260.0	54.7	53.7	56.32	-1,797.0	-185.8	672.7	578.1	94.57	7.113	
14,700.0	12,634.0	14,329.0	12,260.0	55.7	54.7	56.32	-1,897.0	-185.0	672.7	576.4	96.27	6.987	
14,800.0	12,634.0	14,429.0	12,260.0	56.6	55.7	56.32	-1,997.0	-184.2	672.7	574.6	98.03	6.862	
14,900.0	12,634.0	14,529.0	12,260.0	57.7	56.7	56.32	-2,097.0	-183.4	672.7	572.8	99.85	6.737	
15,000.0	12,634.0	14,629.0	12,260.0	58.7	57.8	56.32	-2,197.0	-182.7	672.6	570.9	101.71	6.614	
15,100.0	12,634.0	14,729.0	12,260.0	59.8	58.9	56.32	-2,297.0	-181.9	672.6	569.0	103.62	6.492	
15,200.0	12,634.0	14,829.0	12,260.0	60.9	60.0	56.32	-2,397.0	-181.1	672.6	567.1	105.57	6.372	
15,300.0	12,634.0	14,929.0	12,260.0	62.0	61.2	56.32	-2,497.0	-180.3	672.6	565.1	107.56	6.253	
15,400.0	12,634.0	15,029.0	12,260.0	63.1	62.3	56.32	-2,597.0	-179.5	672.6	563.0	109.60	6.137	
15,500.0	12,634.0	15,129.0	12,260.0	64.3	63.5	56.32	-2,697.0	-178.7	672.6	561.0	111.67	6.023	
15,600.0	12,634.0	15,229.0	12,260.0	65.5	64.8	56.32	-2,797.0	-178.0	672.6	558.8	113.78	5.912	
15,700.0	12,634.0	15,329.0	12,260.0	66.7	66.0	56.32	-2,897.0	-177.2	672.6	556.7	115.92	5.802	
15,800.0	12,634.0	15,429.0	12,260.0	67.9	67.2	56.32	-2,997.0	-176.4	672.6	554.5	118.09	5.696	
15,900.0	12,634.0	15,529.0	12,260.0	69.2	68.5	56.32	-3,097.0	-175.6	672.6	552.3	120.29	5.591	
16,000.0	12,634.0	15,629.0	12,260.0	70.4	69.8	56.32	-3,197.0	-174.8	672.6	550.1	122.52	5.489	
16,100.0	12,634.0	15,729.0	12,260.0	71.7	71.1	56.32	-3,297.0	-174.0	672.6	547.8	124.78	5.390	
16,200.0	12,634.0	15,829.0	12,260.0	73.0	72.4	56.32	-3,397.0	-173.3	672.6	545.5	127.07	5.293	
16,300.0	12,634.0	15,929.0	12,260.0	74.3	73.7	56.32	-3,497.0	-172.5	672.6	543.2	129.37	5.199	
16,400.0	12,634.0	16,029.0	12,260.0	75.6	75.1	56.32	-3,597.0	-171.7	672.6	540.9	131.70	5.107	
16,500.0	12,634.0	16,129.0	12,260.0	77.0	76.4	56.32	-3,697.0	-170.9	672.6	538.5	134.05	5.017	
16,600.0	12,634.0	16,229.0	12,260.0	78.3	77.8	56.32	-3,797.0	-170.1	672.6	536.1	136.42	4.930	
16,700.0	12,634.0	16,329.0	12,260.0	79.7	79.2	56.32	-3,897.0	-169.3	672.6	533.7	138.82	4.845	
16,800.0	12,634.0	16,429.0	12,260.0	81.0	80.6	56.32	-3,997.0	-168.6	672.6	531.3	141.23	4.762	
16,900.0	12,634.0	16,529.0	12,260.0	82.4	81.9	56.32	-4,097.0	-167.8	672.6	528.9	143.65	4.682	
17,000.0	12,634.0	16,629.0	12,260.0	83.8	83.4	56.32	-4,197.0	-167.0	672.6	526.5	146.10	4.603	
17,100.0	12,634.0	16,729.0	12,260.0	85.2	84.8	56.32	-4,297.0	-166.2	672.5	524.0	148.56	4.527	
17,200.0	12,634.0	16,829.0	12,260.0	86.6	86.2	56.32	-4,397.0	-165.4	672.5	521.5	151.03	4.453	
17,300.0	12,634.0	16,929.0	12,260.0	88.0	87.6	56.32	-4,497.0	-164.6	672.5	519.0	153.52	4.381	
17,400.0	12,634.0	17,029.0	12,260.0	89.4	89.1	56.32	-4,597.0	-163.9	672.5	516.5	156.02	4.311	
17,500.0	12,634.0	17,129.0	12,260.0	90.9	90.5	56.32	-4,697.0	-163.1	672.5	514.0	158.54	4.242	
17,600.0	12,634.0	17,229.0	12,260.0	92.3	92.0	56.31	-4,797.0	-162.3	672.5	511.5	161.06	4.175	
17,700.0	12,634.0	17,329.0	12,260.0	93.8	93.4	56.31	-4,896.9	-161.5	672.5	508.9	163.60	4.111	
17,800.0	12,634.0	17,429.0	12,260.0	95.2	94.9	56.31	-4,996.9	-160.7	672.5	506.4	166.15	4.048	
17,900.0	12,634.0	17,529.0	12,260.0	96.7	96.4	56.31	-5,096.9	-159.9	672.5	503.8	168.72	3.986	
18,000.0	12,634.0	17,629.0	12,260.0	98.1	97.8	56.31	-5,196.9	-159.2	672.5	501.2	171.29	3.926	
18,100.0	12,634.0	17,729.0	12,260.0	99.6	99.3	56.31	-5,296.9	-158.4	672.5	498.6	173.87	3.868	
18,200.0	12,634.0	17,829.0	12,260.0	101.1	100.8	56.31	-5,396.9	-157.6	672.5	496.0	176.46	3.811	
18,300.0	12,634.0	17,929.0	12,260.0	102.6	102.3	56.31	-5,496.9	-156.8	672.5	493.4	179.06	3.756	
18,400.0	12,634.0	18,029.0	12,260.0	104.1	103.8	56.31	-5,596.9	-156.0	672.5	490.8	181.67	3.702	
18,500.0	12,634.0	18,129.0	12,260.0	105.6	105.3	56.31	-5,696.9	-155.2	672.5	488.2	184.28	3.649	
18,600.0	12,634.0	18,229.0	12,260.0	107.0	106.8	56.31	-5,796.9	-154.5	672.5	485.6	186.91	3.598	
18,700.0	12,634.0	18,329.0	12,260.0	108.5	108.3	56.31	-5,896.9	-153.7	672.5	482.9	189.54	3.548	
18,800.0	12,634.0	18,429.0	12,260.0	110.1	109.8	56.31	-5,996.9	-152.9	672.5	480.3	192.18	3.499	
18,900.0	12,634.0	18,529.0	12,260.0	111.6	111.3	56.31	-6,096.9	-152.1	672.5	477.6	194.83	3.452	
19,000.0	12,634.0	18,629.0	12,260.0	113.1	112.9	56.31	-6,196.9	-151.3	672.5	475.0	197.48	3.405	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Fed Com #222H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,100.0	12,634.0	18,729.0	12,260.0	114.6	114.4	56.31	-6,296.9	-150.5	672.4	472.3	200.14	3.360	
19,200.0	12,634.0	18,829.0	12,260.0	116.1	115.9	56.31	-6,396.9	-149.8	672.4	469.6	202.80	3.316	
19,300.0	12,634.0	18,929.0	12,260.0	117.6	117.5	56.31	-6,496.9	-149.0	672.4	467.0	205.47	3.273	
19,400.0	12,634.0	19,029.0	12,260.0	119.2	119.0	56.31	-6,596.9	-148.2	672.4	464.3	208.15	3.231	
19,500.0	12,634.0	19,129.0	12,260.0	120.7	120.5	56.31	-6,696.9	-147.4	672.4	461.6	210.83	3.189	
19,600.0	12,634.0	19,229.0	12,260.0	122.2	122.1	56.31	-6,796.9	-146.6	672.4	458.9	213.52	3.149	
19,700.0	12,634.0	19,329.0	12,260.0	123.8	123.6	56.31	-6,896.9	-145.8	672.4	456.2	216.21	3.110	
19,800.0	12,634.0	19,429.0	12,260.0	125.3	125.2	56.31	-6,996.9	-145.1	672.4	453.5	218.91	3.072	
19,900.0	12,634.0	19,529.0	12,260.0	126.9	126.7	56.31	-7,096.9	-144.3	672.4	450.8	221.61	3.034	
20,000.0	12,634.0	19,629.0	12,260.0	128.4	128.3	56.31	-7,196.9	-143.5	672.4	448.1	224.32	2.998	
20,100.0	12,634.0	19,729.0	12,260.0	130.0	129.8	56.31	-7,296.9	-142.7	672.4	445.4	227.03	2.962	
20,200.0	12,634.0	19,829.0	12,260.0	131.5	131.4	56.31	-7,396.9	-141.9	672.4	442.7	229.75	2.927	
20,300.0	12,634.0	19,929.0	12,260.0	133.1	133.0	56.31	-7,496.9	-141.1	672.4	439.9	232.47	2.892	
20,400.0	12,634.0	20,029.0	12,260.0	134.6	134.5	56.31	-7,596.9	-140.3	672.4	437.2	235.19	2.859	
20,500.0	12,634.0	20,129.0	12,260.0	136.2	136.1	56.31	-7,696.9	-139.6	672.4	434.5	237.92	2.826	
20,600.0	12,634.0	20,229.0	12,260.0	137.7	137.7	56.31	-7,796.9	-138.8	672.4	431.7	240.65	2.794	
20,700.0	12,634.0	20,329.0	12,260.0	139.3	139.2	56.31	-7,896.9	-138.0	672.4	429.0	243.38	2.763	
20,800.0	12,634.0	20,429.0	12,260.0	140.9	140.8	56.31	-7,996.9	-137.2	672.4	426.3	246.12	2.732	
20,900.0	12,634.0	20,529.0	12,260.0	142.4	142.4	56.31	-8,096.9	-136.4	672.4	423.5	248.86	2.702	
21,000.0	12,634.0	20,629.0	12,260.0	144.0	143.9	56.31	-8,196.8	-135.6	672.4	420.8	251.60	2.672	
21,100.0	12,634.0	20,729.0	12,260.0	145.6	145.5	56.31	-8,296.8	-134.9	672.4	418.0	254.35	2.643	
21,200.0	12,634.0	20,829.0	12,260.0	147.1	147.1	56.31	-8,396.8	-134.1	672.3	415.2	257.10	2.615	
21,300.0	12,634.0	20,929.0	12,260.0	148.7	148.7	56.30	-8,496.8	-133.3	672.3	412.5	259.85	2.587	
21,400.0	12,634.0	21,029.0	12,260.0	150.3	150.3	56.30	-8,596.8	-132.5	672.3	409.7	262.61	2.560	
21,500.0	12,634.0	21,129.0	12,260.0	151.9	151.8	56.30	-8,696.8	-131.7	672.3	407.0	265.37	2.534	
21,600.0	12,634.0	21,229.0	12,260.0	153.4	153.4	56.30	-8,796.8	-130.9	672.3	404.2	268.13	2.508	
21,700.0	12,634.0	21,329.0	12,260.0	155.0	155.0	56.30	-8,896.8	-130.2	672.3	401.4	270.89	2.482	
21,800.0	12,634.0	21,429.0	12,260.0	156.6	156.6	56.30	-8,996.8	-129.4	672.3	398.7	273.66	2.457	
21,900.0	12,634.0	21,529.0	12,260.0	158.2	158.2	56.30	-9,096.8	-128.6	672.3	395.9	276.42	2.432	
22,000.0	12,634.0	21,629.0	12,260.0	159.8	159.8	56.30	-9,196.8	-127.8	672.3	393.1	279.20	2.408	
22,100.0	12,634.0	21,729.0	12,260.0	161.4	161.4	56.30	-9,296.8	-127.0	672.3	390.3	281.97	2.384	
22,200.0	12,634.0	21,829.0	12,260.0	163.0	163.0	56.30	-9,396.8	-126.2	672.3	387.6	284.74	2.361	
22,300.0	12,634.0	21,929.0	12,260.0	164.5	164.5	56.30	-9,496.8	-125.5	672.3	384.8	287.52	2.338	
22,400.0	12,634.0	22,029.0	12,260.0	166.1	166.1	56.30	-9,596.8	-124.7	672.3	382.0	290.30	2.316	
22,500.0	12,634.0	22,129.0	12,260.0	167.7	167.7	56.30	-9,696.8	-123.9	672.3	379.2	293.08	2.294	
22,600.0	12,634.0	22,229.0	12,260.0	169.3	169.3	56.30	-9,796.8	-123.1	672.3	376.4	295.86	2.272	
22,700.0	12,634.0	22,329.0	12,260.0	170.9	170.9	56.30	-9,896.8	-122.3	672.3	373.6	298.65	2.251	
22,796.3	12,634.0	22,425.3	12,260.0	172.4	172.5	56.30	-9,993.1	-121.6	672.3	370.9	301.33	2.231	
22,796.7	12,634.0	22,425.7	12,260.0	172.5	172.5	56.30	-9,993.5	-121.6	672.3	370.9	301.34	2.231 SF	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	89.59	1.8	249.9	249.9				
100.0	100.0	100.0	100.0	0.1	0.1	89.59	1.8	249.9	249.9	249.7	0.26	975.127	
200.0	200.0	200.0	200.0	0.5	0.5	89.59	1.8	249.9	249.9	249.0	0.97	256.802	
300.0	300.0	300.0	300.0	0.8	0.8	89.59	1.8	249.9	249.9	248.2	1.69	147.872	
400.0	400.0	400.0	400.0	1.2	1.2	89.59	1.8	249.9	249.9	247.5	2.41	103.830	
500.0	500.0	500.0	500.0	1.6	1.6	89.59	1.8	249.9	249.9	246.8	3.12	80.002	
600.0	600.0	600.0	600.0	1.9	1.9	89.59	1.8	249.9	249.9	246.1	3.84	65.069	
700.0	700.0	700.0	700.0	2.3	2.3	89.59	1.8	249.9	249.9	245.4	4.56	54.834	
800.0	800.0	800.0	800.0	2.6	2.6	89.59	1.8	249.9	249.9	244.7	5.27	47.381	
900.0	900.0	900.0	900.0	3.0	3.0	89.59	1.8	249.9	249.9	243.9	5.99	41.712	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.59	1.8	249.9	249.9	243.2	6.71	37.254	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.59	1.8	249.9	249.9	242.5	7.43	33.658	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.59	1.8	249.9	249.9	241.8	8.14	30.694	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.59	1.8	249.9	249.9	241.1	8.86	28.210	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.59	1.8	249.9	249.9	240.4	9.58	26.098	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.59	1.8	249.9	249.9	239.6	10.29	24.281	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	55.87	1.8	249.9	249.4	238.4	11.01	22.658	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	56.38	1.8	249.9	248.0	236.3	11.72	21.154	
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	57.25	1.8	249.9	245.6	233.2	12.44	19.747	
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	58.49	1.8	249.9	242.3	229.2	13.15	18.426	
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	60.13	1.8	249.9	238.3	224.5	13.87	17.183	
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	62.20	1.8	249.9	233.7	219.1	14.59	16.017	
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	64.74	1.8	249.9	228.6	213.3	15.31	14.927	
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	67.80	1.8	249.9	223.3	207.3	16.05	13.918	
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	71.15	1.8	249.9	218.4	201.6	16.78	13.013	
2,500.0	2,495.5	2,504.5	2,495.5	8.8	8.7	74.65	1.8	249.9	214.3	196.7	17.52	12.226	
2,600.0	2,594.5	2,605.5	2,594.5	9.2	9.1	78.26	1.8	249.9	211.0	192.7	18.27	11.546	
2,700.0	2,693.5	2,706.5	2,693.5	9.6	9.5	81.97	1.8	249.9	208.6	189.5	19.02	10.964	
2,800.0	2,792.5	2,807.5	2,792.5	9.9	9.8	85.75	1.8	249.9	207.0	187.3	19.78	10.470	
2,900.0	2,891.6	2,908.4	2,891.6	10.3	10.2	89.57	1.8	249.9	206.5	185.9	20.53	10.057	
2,911.4	2,902.8	2,902.8	2,902.8	10.4	10.2	90.00	1.8	249.9	206.5	185.9	20.56	10.045	
3,000.0	2,990.6	2,990.6	2,990.6	10.7	10.5	93.39	1.8	249.9	206.8	185.6	21.22	9.748	
3,100.0	3,089.6	3,092.7	3,092.7	11.1	10.9	97.22	2.4	249.6	207.5	185.5	21.98	9.440	
3,200.0	3,188.6	3,195.4	3,195.4	11.5	11.2	100.88	4.7	248.4	207.3	184.5	22.73	9.119	
3,300.0	3,287.7	3,298.2	3,298.0	11.9	11.6	104.41	8.7	246.4	206.2	182.7	23.47	8.783	
3,400.0	3,386.7	3,401.0	3,400.7	12.3	12.0	107.87	14.2	243.5	204.1	179.9	24.21	8.430	
3,500.0	3,485.7	3,503.9	3,503.2	12.7	12.3	111.32	21.5	239.8	200.9	176.0	24.94	8.058	
3,600.0	3,584.8	3,606.6	3,605.5	13.1	12.7	114.82	30.3	235.2	196.7	171.1	25.65	7.669	
3,700.0	3,683.8	3,709.2	3,707.4	13.5	13.1	118.45	40.7	229.8	191.5	165.1	26.35	7.265	
3,800.0	3,782.8	3,811.6	3,808.9	13.9	13.4	122.30	52.8	223.6	185.2	158.1	27.04	6.847	
3,900.0	3,881.8	3,910.3	3,906.6	14.3	13.8	126.27	65.0	217.3	179.1	151.3	27.78	6.448	
4,000.0	3,980.9	4,009.2	4,004.6	14.7	14.2	130.51	77.2	211.0	173.9	145.4	28.50	6.103	
4,100.0	4,079.9	4,108.2	4,102.6	15.1	14.5	134.98	89.4	204.6	169.8	140.6	29.22	5.811	
4,200.0	4,178.9	4,207.2	4,200.7	15.5	14.9	139.64	101.7	198.3	166.7	136.8	29.93	5.571	
4,300.0	4,277.9	4,306.2	4,298.7	16.0	15.3	144.44	113.9	192.0	164.8	134.2	30.64	5.379	
4,400.0	4,377.0	4,405.2	4,396.7	16.4	15.7	149.31	126.2	185.7	164.1	132.8	31.35	5.235	
4,406.8	4,383.7	4,411.9	4,403.4	16.4	15.7	149.64	127.0	185.3	164.1	132.7	31.40	5.227 CC	
4,500.0	4,476.0	4,504.2	4,494.8	16.8	16.0	154.18	138.4	179.4	164.7	132.6	32.07	5.135 ES	
4,600.0	4,575.0	4,603.2	4,592.8	17.2	16.4	158.99	150.6	173.0	166.4	133.6	32.78	5.076	
4,700.0	4,674.0	4,702.2	4,690.8	17.6	16.8	163.68	162.9	166.7	169.3	135.8	33.51	5.052	
4,800.0	4,773.1	4,801.2	4,788.9	18.0	17.2	168.17	175.1	160.4	173.3	139.1	34.24	5.061	
4,900.0	4,872.1	4,900.2	4,886.9	18.4	17.6	172.45	187.4	154.1	178.3	143.4	34.98	5.098	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,941.9	4,913.6	4,941.7	4,928.0	18.6	17.7	174.16	192.5	151.4	180.7	145.4	35.29	5.121	
5,000.0	4,971.2	5,000.8	4,985.0	18.8	17.9	176.46	199.6	147.7	183.9	148.1	35.73	5.146	
5,100.0	5,070.6	5,101.6	5,083.2	19.2	18.3	-179.77	211.9	141.4	187.9	151.4	36.50	5.149	
5,200.0	5,170.2	5,202.4	5,181.4	19.6	18.7	-176.12	224.1	135.1	190.1	152.8	37.26	5.102	
5,300.0	5,270.0	5,303.1	5,279.7	19.9	19.1	-172.47	236.4	128.7	190.5	152.4	38.03	5.008	
5,400.0	5,370.0	5,396.1	5,377.9	20.3	19.5	-168.69	248.7	122.4	189.0	150.3	38.78	4.875	
5,475.2	5,445.2	5,470.6	5,451.8	20.6	19.8	-131.79	257.9	117.6	186.9	147.5	39.36	4.747	
5,500.0	5,470.0	5,504.9	5,476.0	20.6	19.9	-130.78	260.9	116.1	186.0	146.4	39.59	4.699	
5,600.0	5,570.0	5,594.2	5,574.1	21.0	20.3	-126.58	273.2	109.7	183.2	142.9	40.33	4.544	
5,700.0	5,670.0	5,706.8	5,672.2	21.3	20.7	-122.28	285.4	103.4	181.5	140.3	41.16	4.410	
5,800.0	5,770.0	5,807.8	5,770.2	21.6	21.1	-117.93	297.7	97.1	180.8	138.9	41.95	4.310	
5,813.9	5,783.9	5,806.0	5,783.9	21.7	21.1	-117.32	299.4	96.2	180.8	138.8	42.00	4.305	
5,900.0	5,870.0	5,908.8	5,868.3	22.0	21.5	-113.57	309.9	90.8	181.2	138.5	42.74	4.240	
6,000.0	5,970.0	6,009.7	5,966.4	22.3	21.9	-109.25	322.2	84.4	182.7	139.1	43.52	4.197	
6,100.0	6,070.0	6,089.3	6,064.4	22.7	22.2	-105.02	334.4	78.1	185.1	140.9	44.22	4.187	
6,200.0	6,170.0	6,188.3	6,162.5	23.0	22.6	-100.92	346.6	71.8	188.6	143.6	44.98	4.194	
6,300.0	6,270.0	6,288.9	6,262.2	23.3	23.0	-97.20	358.2	65.8	192.7	147.0	45.75	4.212	
6,400.0	6,370.0	6,390.2	6,363.0	23.7	23.4	-94.33	367.5	61.0	196.5	150.0	46.51	4.225	
6,500.0	6,470.0	6,492.1	6,464.6	24.0	23.8	-92.25	374.5	57.4	199.7	152.4	47.27	4.225	
6,600.0	6,570.0	6,594.3	6,566.6	24.3	24.2	-90.93	379.1	55.0	201.9	153.9	48.00	4.205	
6,700.0	6,670.0	6,696.7	6,669.0	24.7	24.5	-90.32	381.2	53.9	202.9	154.2	48.72	4.165	
6,800.0	6,770.0	6,802.3	6,770.0	25.0	24.9	-90.27	381.4	53.8	203.0	153.6	49.43	4.107	
6,900.0	6,870.0	6,902.3	6,870.0	25.4	25.3	-90.27	381.4	53.8	203.0	152.9	50.12	4.050	
7,000.0	6,970.0	7,002.3	6,970.0	25.7	25.6	-90.27	381.4	53.8	203.0	152.2	50.82	3.995	
7,100.0	7,070.0	7,102.3	7,070.0	26.1	25.9	-90.27	381.4	53.8	203.0	151.5	51.51	3.942	
7,200.0	7,170.0	7,197.7	7,170.0	26.4	26.3	-90.27	381.4	53.8	203.0	150.8	52.18	3.890	
7,300.0	7,270.0	7,300.4	7,272.3	26.7	26.6	-92.47	373.6	54.7	202.3	149.5	52.83	3.830	
7,364.2	7,334.1	7,363.8	7,334.1	27.0	26.7	-96.40	359.9	56.3	201.9	148.7	53.19	3.795	
7,400.0	7,370.0	7,397.7	7,366.4	27.1	26.8	-99.29	349.7	57.4	202.1	148.8	53.36	3.789 SF	
7,500.0	7,470.0	7,484.8	7,446.2	27.4	27.0	-108.95	315.2	61.3	208.2	154.8	53.38	3.900	
7,600.0	7,570.0	7,559.8	7,510.0	27.8	27.1	-119.07	276.1	65.7	226.8	174.8	52.06	4.357	
7,700.0	7,670.0	7,623.2	7,559.5	28.1	27.2	-127.92	236.8	70.1	261.3	212.1	49.18	5.313	
7,800.0	7,770.0	7,676.1	7,597.3	28.5	27.2	-134.94	200.1	74.2	310.5	265.0	45.47	6.830	
7,900.0	7,870.0	7,720.3	7,626.1	28.8	27.3	-140.30	166.8	77.9	371.4	329.7	41.75	8.897	
8,000.0	7,970.0	7,757.3	7,648.2	29.2	27.3	-144.37	137.3	81.2	440.9	402.5	38.42	11.474	
8,100.0	8,070.0	7,788.5	7,665.4	29.5	27.4	-147.49	111.4	84.1	516.7	481.1	35.61	14.511	
8,200.0	8,170.0	7,815.1	7,678.8	29.9	27.4	-149.92	88.6	86.7	597.1	563.8	33.26	17.950	
8,300.0	8,270.0	7,837.8	7,689.5	30.2	27.4	-151.84	68.6	88.9	680.9	649.6	31.33	21.734	
8,400.0	8,370.0	7,850.0	7,694.8	30.5	27.4	-152.81	57.8	90.1	767.4	738.0	29.39	26.114	
8,500.0	8,470.0	7,874.6	7,705.0	30.9	27.5	-154.67	35.5	92.6	855.8	827.4	28.43	30.105	
8,600.0	8,570.0	7,900.0	7,714.4	31.2	27.5	-156.42	12.1	95.3	946.1	918.4	27.75	34.095	
8,700.0	8,670.0	7,900.0	7,714.4	31.6	27.5	-156.42	12.1	95.3	1,037.4	1,011.1	26.37	39.343	
8,800.0	8,770.0	7,900.0	7,714.4	31.9	27.5	-156.42	12.1	95.3	1,130.2	1,104.9	25.29	44.694	
8,900.0	8,870.0	7,925.2	7,722.8	32.3	27.5	-158.03	-11.6	97.9	1,223.3	1,198.2	25.16	48.621	
9,000.0	8,970.0	7,950.0	7,729.9	32.6	27.6	-159.48	-35.2	100.6	1,317.7	1,292.6	25.09	52.513	
9,100.0	9,070.0	7,950.0	7,729.9	33.0	27.6	-159.48	-35.2	100.6	1,412.2	1,387.8	24.47	57.712	
9,200.0	9,170.0	7,950.0	7,729.9	33.3	27.6	-159.48	-35.2	100.6	1,507.5	1,483.5	23.98	62.851	
9,300.0	9,270.0	7,950.0	7,729.9	33.7	27.6	-159.48	-35.2	100.6	1,603.3	1,579.6	23.61	67.901	
9,400.0	9,370.0	7,950.0	7,729.9	34.0	27.6	-159.48	-35.2	100.6	1,699.5	1,676.2	23.33	72.840	
9,500.0	9,470.0	7,970.5	7,735.1	34.4	27.6	-160.59	-54.8	102.8	1,795.8	1,772.3	23.49	76.437	
9,600.0	9,570.0	7,975.9	7,736.3	34.7	27.6	-160.87	-60.1	103.4	1,892.5	1,869.1	23.42	80.804	
9,700.0	9,670.0	7,981.0	7,737.4	35.1	27.7	-161.13	-65.0	103.9	1,989.5	1,966.1	23.39	85.067	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,800.0	9,770.0	8,000.0	7,741.2	35.4	27.7	-162.06	-83.5	106.0	2,087.0	2,063.4	23.60	88.422		
9,900.0	9,870.0	8,000.0	7,741.2	35.8	27.7	-162.06	-83.5	106.0	2,184.3	2,160.8	23.56	92.714		
10,000.0	9,970.0	8,000.0	7,741.2	36.1	27.7	-162.06	-83.5	106.0	2,281.9	2,258.3	23.56	96.869		
10,100.0	10,070.0	8,000.0	7,741.2	36.5	27.7	-162.06	-83.5	106.0	2,379.7	2,356.1	23.59	100.888		
10,200.0	10,170.0	8,000.0	7,741.2	36.8	27.7	-162.06	-83.5	106.0	2,477.6	2,454.0	23.65	104.773		
10,300.0	10,270.0	8,000.0	7,741.2	37.2	27.7	-162.06	-83.5	106.0	2,575.7	2,552.0	23.73	108.526		
10,400.0	10,370.0	8,000.0	7,741.2	37.5	27.7	-162.06	-83.5	106.0	2,674.0	2,650.1	23.84	112.150		
10,500.0	10,470.0	8,000.0	7,741.2	37.9	27.7	-162.06	-83.5	106.0	2,772.3	2,748.3	23.97	115.647		
10,600.0	10,570.0	8,000.0	7,741.2	38.2	27.7	-162.06	-83.5	106.0	2,870.8	2,846.7	24.12	119.022		
10,700.0	10,670.0	8,000.0	7,741.2	38.6	27.7	-162.06	-83.5	106.0	2,969.4	2,945.1	24.28	122.279		
10,800.0	10,770.0	8,000.0	7,741.2	38.9	27.7	-162.06	-83.5	106.0	3,068.1	3,043.6	24.46	125.420		
10,900.0	10,870.0	8,020.8	7,744.7	39.3	27.7	-163.01	-103.9	108.3	3,166.4	3,141.5	24.83	127.515		
11,000.0	10,970.0	8,023.0	7,745.0	39.6	27.7	-163.11	-106.1	108.5	3,265.1	3,240.1	25.05	130.362		
11,100.0	11,070.0	8,025.1	7,745.3	40.0	27.8	-163.20	-108.1	108.7	3,363.9	3,338.6	25.27	133.113		
11,200.0	11,170.0	8,027.1	7,745.6	40.3	27.8	-163.28	-110.1	109.0	3,462.8	3,437.3	25.50	135.772		
11,300.0	11,270.0	8,029.0	7,745.8	40.7	27.8	-163.37	-112.0	109.2	3,561.7	3,535.9	25.75	138.341		
11,400.0	11,370.0	8,050.0	7,748.3	41.0	27.8	-164.24	-132.7	111.5	3,661.0	3,634.9	26.14	140.074		
11,500.0	11,470.0	8,050.0	7,748.3	41.4	27.8	-164.24	-132.7	111.5	3,760.0	3,733.6	26.38	142.554		
11,600.0	11,570.0	8,050.0	7,748.3	41.8	27.8	-164.24	-132.7	111.5	3,859.0	3,832.4	26.62	144.945		
11,700.0	11,670.0	8,050.0	7,748.3	42.1	27.8	-164.24	-132.7	111.5	3,958.1	3,931.2	26.88	147.250		
11,800.0	11,770.0	8,050.0	7,748.3	42.5	27.8	-164.24	-132.7	111.5	4,057.2	4,030.0	27.14	149.473		
11,900.0	11,870.0	8,050.0	7,748.3	42.8	27.8	-164.24	-132.7	111.5	4,156.3	4,128.9	27.41	151.617		
12,000.0	11,970.0	8,050.0	7,748.3	43.2	27.8	-164.24	-132.7	111.5	4,255.5	4,227.8	27.69	153.683		
12,091.0	12,061.0	8,050.0	7,748.3	43.5	27.8	-164.24	-132.7	111.5	4,345.8	4,317.9	27.95	155.499		
12,100.0	12,070.0	8,050.0	7,748.3	43.5	27.8	21.15	-132.7	111.5	4,354.7	4,326.7	27.97	155.677		
12,150.0	12,119.9	8,050.0	7,748.3	43.7	27.8	13.01	-132.7	111.5	4,403.9	4,375.8	28.11	156.690		
12,200.0	12,169.3	8,050.0	7,748.3	43.8	27.8	9.37	-132.7	111.5	4,452.2	4,424.0	28.23	157.734		
12,250.0	12,217.9	8,050.0	7,748.3	44.0	27.8	7.34	-132.7	111.5	4,499.3	4,470.9	28.33	158.794		
12,300.0	12,265.4	8,050.0	7,748.3	44.1	27.8	6.05	-132.7	111.5	4,544.8	4,516.4	28.43	159.857		
12,350.0	12,311.2	8,050.0	7,748.3	44.2	27.8	5.17	-132.7	111.5	4,588.5	4,560.0	28.52	160.909		
12,400.0	12,355.2	8,050.0	7,748.3	44.3	27.8	4.54	-132.7	111.5	4,630.1	4,601.5	28.59	161.935		
12,450.0	12,396.9	8,050.0	7,748.3	44.4	27.8	4.06	-132.7	111.5	4,669.3	4,640.6	28.66	162.919		
12,500.0	12,436.1	8,050.0	7,748.3	44.5	27.8	3.70	-132.7	111.5	4,705.8	4,677.1	28.72	163.842		
12,550.0	12,472.4	8,050.0	7,748.3	44.5	27.8	3.42	-132.7	111.5	4,739.6	4,710.8	28.78	164.686		
12,600.0	12,505.6	8,050.0	7,748.3	44.6	27.8	3.19	-132.7	111.5	4,770.4	4,741.5	28.84	165.429		
12,650.0	12,535.4	8,073.7	7,750.1	44.6	27.9	3.01	-156.2	114.1	4,797.4	4,768.4	29.00	165.444		
12,700.0	12,561.6	8,100.0	7,750.9	44.7	27.9	2.87	-182.3	117.1	4,821.8	4,792.7	29.16	165.338		
12,750.0	12,584.0	8,100.0	7,750.9	44.7	27.9	2.76	-182.3	117.1	4,842.1	4,812.9	29.22	165.720		
12,800.0	12,602.4	8,100.0	7,750.9	44.7	27.9	2.68	-182.3	117.1	4,858.8	4,829.5	29.28	165.926		
12,850.0	12,616.7	8,100.0	7,750.9	44.8	27.9	2.62	-182.3	117.1	4,871.8	4,842.4	29.36	165.938		
12,900.0	12,626.7	8,100.0	7,750.9	44.9	27.9	2.58	-182.3	117.1	4,881.0	4,851.5	29.45	165.744		
12,950.0	12,632.5	8,105.7	7,751.0	45.0	28.0	2.55	-188.0	117.7	4,886.4	4,856.8	29.57	165.241		
12,991.0	12,634.0	8,125.6	7,751.0	45.1	28.0	2.55	-207.8	119.9	4,887.9	4,858.1	29.73	164.415		
13,000.0	12,634.0	8,134.0	7,751.0	45.1	28.1	2.56	-216.1	120.7	4,887.9	4,858.1	29.78	164.155		
13,100.0	12,634.0	8,226.8	7,751.0	45.4	28.4	2.60	-308.6	128.7	4,888.0	4,857.7	30.33	161.159		
13,200.0	12,634.0	8,319.5	7,751.0	45.7	28.8	2.63	-401.2	133.6	4,888.2	4,857.2	30.95	157.924		
13,300.0	12,634.0	8,412.9	7,751.0	46.0	29.3	2.67	-494.5	135.5	4,888.3	4,856.7	31.64	154.500		
13,368.8	12,634.0	8,481.6	7,751.0	46.3	29.7	2.68	-563.2	136.1	4,888.3	4,856.2	32.17	151.974		
13,400.0	12,634.0	8,512.8	7,751.0	46.4	29.9	2.68	-594.5	136.3	4,888.3	4,855.9	32.41	150.818		
13,500.0	12,634.0	8,612.8	7,751.0	46.8	30.5	2.68	-694.5	137.1	4,888.3	4,855.1	33.24	147.064		
13,600.0	12,634.0	8,712.8	7,751.0	47.3	31.3	2.68	-794.5	137.8	4,888.3	4,854.2	34.12	143.278		
13,700.0	12,634.0	8,812.8	7,751.0	47.9	32.1	2.68	-894.5	138.6	4,888.3	4,853.3	35.04	139.499		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,800.0	12,634.0	8,912.8	7,751.0	48.4	33.0	2.68	-994.5	139.4	4,888.3	4,852.3	36.01	135.755	
13,900.0	12,634.0	9,012.8	7,751.0	49.1	33.9	2.68	-1,094.5	140.1	4,888.3	4,851.3	37.01	132.071	
14,000.0	12,634.0	9,112.8	7,751.0	49.7	34.9	2.68	-1,194.4	140.9	4,888.3	4,850.3	38.05	128.463	
14,100.0	12,634.0	9,212.8	7,751.0	50.5	35.9	2.68	-1,294.4	141.7	4,888.3	4,849.2	39.12	124.944	
14,200.0	12,634.0	9,312.8	7,751.0	51.2	37.0	2.68	-1,394.4	142.4	4,888.3	4,848.1	40.23	121.524	
14,300.0	12,634.0	9,412.8	7,751.0	52.0	38.1	2.68	-1,494.4	143.2	4,888.3	4,847.0	41.35	118.208	
14,400.0	12,634.0	9,512.8	7,751.0	52.9	39.3	2.68	-1,594.4	144.0	4,888.3	4,845.8	42.51	115.000	
14,500.0	12,634.0	9,612.8	7,751.0	53.8	40.4	2.68	-1,694.4	144.7	4,888.3	4,844.7	43.68	111.902	
14,600.0	12,634.0	9,712.8	7,751.0	54.7	41.7	2.68	-1,794.4	145.5	4,888.3	4,843.5	44.88	108.914	
14,700.0	12,634.0	9,812.8	7,751.0	55.7	42.9	2.68	-1,894.4	146.3	4,888.3	4,842.2	46.10	106.036	
14,800.0	12,634.0	9,912.8	7,751.0	56.6	44.2	2.68	-1,994.4	147.0	4,888.3	4,841.0	47.34	103.265	
14,900.0	12,634.0	10,012.8	7,751.0	57.7	45.5	2.68	-2,094.4	147.8	4,888.3	4,839.8	48.59	100.599	
15,000.0	12,634.0	10,112.8	7,751.0	58.7	46.8	2.68	-2,194.4	148.6	4,888.3	4,838.5	49.86	98.036	
15,100.0	12,634.0	10,212.8	7,751.0	59.8	48.2	2.68	-2,294.4	149.4	4,888.3	4,837.2	51.15	95.572	
15,200.0	12,634.0	10,312.8	7,751.0	60.9	49.5	2.68	-2,394.4	150.1	4,888.3	4,835.9	52.45	93.203	
15,300.0	12,634.0	10,412.8	7,751.0	62.0	50.9	2.68	-2,494.4	150.9	4,888.3	4,834.6	53.76	90.927	
15,400.0	12,634.0	10,512.8	7,751.0	63.1	52.3	2.68	-2,594.4	151.7	4,888.3	4,833.3	55.09	88.740	
15,500.0	12,634.0	10,612.8	7,751.0	64.3	53.7	2.68	-2,694.4	152.4	4,888.3	4,831.9	56.42	86.637	
15,600.0	12,634.0	10,712.8	7,751.0	65.5	55.1	2.68	-2,794.4	153.2	4,888.3	4,830.6	57.77	84.616	
15,700.0	12,634.0	10,812.8	7,751.0	66.7	56.6	2.68	-2,894.4	154.0	4,888.3	4,829.2	59.13	82.673	
15,800.0	12,634.0	10,912.8	7,751.0	67.9	58.0	2.68	-2,994.4	154.7	4,888.3	4,827.9	60.50	80.804	
15,900.0	12,634.0	11,012.8	7,751.0	69.2	59.5	2.68	-3,094.4	155.5	4,888.3	4,826.5	61.87	79.006	
16,000.0	12,634.0	11,112.8	7,751.0	70.4	60.9	2.68	-3,194.4	156.3	4,888.3	4,825.1	63.26	77.276	
16,100.0	12,634.0	11,212.8	7,751.0	71.7	62.4	2.68	-3,294.4	157.0	4,888.3	4,823.7	64.65	75.611	
16,200.0	12,634.0	11,312.8	7,751.0	73.0	63.9	2.68	-3,394.4	157.8	4,888.3	4,822.3	66.05	74.008	
16,300.0	12,634.0	11,412.8	7,751.0	74.3	65.4	2.68	-3,494.4	158.6	4,888.3	4,820.9	67.46	72.464	
16,400.0	12,634.0	11,512.8	7,751.0	75.6	66.9	2.68	-3,594.4	159.3	4,888.4	4,819.5	68.87	70.976	
16,500.0	12,634.0	11,612.8	7,751.0	77.0	68.4	2.68	-3,694.4	160.1	4,888.4	4,818.1	70.29	69.541	
16,600.0	12,634.0	11,712.8	7,751.0	78.3	69.9	2.68	-3,794.4	160.9	4,888.4	4,816.6	71.72	68.158	
16,700.0	12,634.0	11,812.8	7,751.0	79.7	71.4	2.68	-3,894.4	161.6	4,888.4	4,815.2	73.15	66.823	
16,800.0	12,634.0	11,912.8	7,751.0	81.0	72.9	2.68	-3,994.4	162.4	4,888.4	4,813.8	74.59	65.535	
16,900.0	12,634.0	12,012.8	7,751.0	82.4	74.5	2.68	-4,094.4	163.2	4,888.4	4,812.3	76.03	64.292	
17,000.0	12,634.0	12,112.8	7,751.0	83.8	76.0	2.68	-4,194.4	163.9	4,888.4	4,810.9	77.48	63.090	
17,100.0	12,634.0	12,212.8	7,751.0	85.2	77.5	2.68	-4,294.4	164.7	4,888.4	4,809.4	78.93	61.930	
17,200.0	12,634.0	12,312.8	7,751.0	86.6	79.1	2.68	-4,394.4	165.5	4,888.4	4,808.0	80.39	60.807	
17,300.0	12,634.0	12,412.8	7,751.0	88.0	80.6	2.68	-4,494.3	166.2	4,888.4	4,806.5	81.85	59.722	
17,400.0	12,634.0	12,512.8	7,751.0	89.4	82.2	2.68	-4,594.3	167.0	4,888.4	4,805.0	83.32	58.672	
17,500.0	12,634.0	12,612.8	7,751.0	90.9	83.7	2.68	-4,694.3	167.8	4,888.4	4,803.6	84.78	57.656	
17,600.0	12,634.0	12,712.8	7,751.0	92.3	85.3	2.68	-4,794.3	168.5	4,888.4	4,802.1	86.26	56.672	
17,700.0	12,634.0	12,812.8	7,751.0	93.8	86.8	2.68	-4,894.3	169.3	4,888.4	4,800.6	87.73	55.719	
17,800.0	12,634.0	12,912.8	7,751.0	95.2	88.4	2.68	-4,994.3	170.1	4,888.4	4,799.1	89.21	54.795	
17,900.0	12,634.0	13,012.8	7,751.0	96.7	90.0	2.68	-5,094.3	170.8	4,888.4	4,797.7	90.69	53.900	
18,000.0	12,634.0	13,112.8	7,751.0	98.1	91.5	2.68	-5,194.3	171.6	4,888.4	4,796.2	92.18	53.032	
18,100.0	12,634.0	13,212.8	7,751.0	99.6	93.1	2.68	-5,294.3	172.4	4,888.4	4,794.7	93.67	52.189	
18,200.0	12,634.0	13,312.8	7,751.0	101.1	94.7	2.68	-5,394.3	173.1	4,888.4	4,793.2	95.16	51.372	
18,300.0	12,634.0	13,412.8	7,751.0	102.6	96.3	2.68	-5,494.3	173.9	4,888.4	4,791.7	96.65	50.578	
18,400.0	12,634.0	13,512.8	7,751.0	104.1	97.9	2.68	-5,594.3	174.7	4,888.4	4,790.2	98.14	49.808	
18,500.0	12,634.0	13,612.8	7,751.0	105.6	99.4	2.68	-5,694.3	175.4	4,888.4	4,788.7	99.64	49.059	
18,600.0	12,634.0	13,712.8	7,751.0	107.0	101.0	2.68	-5,794.3	176.2	4,888.4	4,787.2	101.14	48.332	
18,700.0	12,634.0	13,812.8	7,751.0	108.5	102.6	2.68	-5,894.3	177.0	4,888.4	4,785.7	102.64	47.624	
18,800.0	12,634.0	13,912.8	7,751.0	110.1	104.2	2.68	-5,994.3	177.7	4,888.4	4,784.2	104.15	46.936	
18,900.0	12,634.0	14,012.8	7,751.0	111.6	105.8	2.68	-6,094.3	178.5	4,888.4	4,782.7	105.65	46.267	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #022H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.0	12,634.0	14,112.8	7,751.0	113.1	107.4	2.68	-6,194.3	179.3	4,888.4	4,781.2	107.16	45.616	
19,100.0	12,634.0	14,212.8	7,751.0	114.6	109.0	2.68	-6,294.3	180.0	4,888.4	4,779.7	108.67	44.982	
19,200.0	12,634.0	14,312.8	7,751.0	116.1	110.6	2.68	-6,394.3	180.8	4,888.4	4,778.2	110.18	44.365	
19,300.0	12,634.0	14,412.8	7,751.0	117.6	112.2	2.68	-6,494.3	181.6	4,888.4	4,776.7	111.70	43.764	
19,400.0	12,634.0	14,512.8	7,751.0	119.2	113.8	2.68	-6,594.3	182.3	4,888.4	4,775.2	113.21	43.178	
19,500.0	12,634.0	14,612.8	7,751.0	120.7	115.4	2.68	-6,694.3	183.1	4,888.4	4,773.6	114.73	42.607	
19,600.0	12,634.0	14,712.8	7,751.0	122.2	117.0	2.68	-6,794.3	183.9	4,888.4	4,772.1	116.25	42.051	
19,700.0	12,634.0	14,812.8	7,751.0	123.8	118.6	2.69	-6,894.3	184.6	4,888.4	4,770.6	117.77	41.508	
19,800.0	12,634.0	14,912.8	7,751.0	125.3	120.2	2.69	-6,994.3	185.4	4,888.4	4,769.1	119.29	40.979	
19,900.0	12,634.0	15,012.8	7,751.0	126.9	121.8	2.69	-7,094.3	186.2	4,888.4	4,767.6	120.81	40.463	
20,000.0	12,634.0	15,112.8	7,751.0	128.4	123.4	2.69	-7,194.3	186.9	4,888.4	4,766.0	122.34	39.959	
20,100.0	12,634.0	15,212.8	7,751.0	130.0	125.0	2.69	-7,294.3	187.7	4,888.4	4,764.5	123.86	39.467	
20,200.0	12,634.0	15,312.8	7,751.0	131.5	126.6	2.69	-7,394.3	188.5	4,888.4	4,763.0	125.39	38.986	
20,300.0	12,634.0	15,412.8	7,751.0	133.1	128.2	2.69	-7,494.3	189.2	4,888.4	4,761.5	126.91	38.517	
20,400.0	12,634.0	15,512.8	7,751.0	134.6	129.8	2.69	-7,594.3	190.0	4,888.4	4,759.9	128.44	38.059	
20,500.0	12,634.0	15,612.8	7,751.0	136.2	131.4	2.69	-7,694.3	190.8	4,888.4	4,758.4	129.97	37.611	
20,600.0	12,634.0	15,712.8	7,751.0	137.7	133.0	2.69	-7,794.3	191.5	4,888.4	4,756.9	131.50	37.173	
20,700.0	12,634.0	15,812.8	7,751.0	139.3	134.7	2.69	-7,894.2	192.3	4,888.4	4,755.3	133.03	36.745	
20,800.0	12,634.0	15,912.8	7,751.0	140.9	136.3	2.69	-7,994.2	193.1	4,888.4	4,753.8	134.57	36.327	
20,900.0	12,634.0	16,012.8	7,751.0	142.4	137.9	2.69	-8,094.2	193.8	4,888.4	4,752.3	136.10	35.917	
21,000.0	12,634.0	16,112.8	7,751.0	144.0	139.5	2.69	-8,194.2	194.6	4,888.4	4,750.7	137.64	35.517	
21,100.0	12,634.0	16,212.8	7,751.0	145.6	141.1	2.69	-8,294.2	195.4	4,888.4	4,749.2	139.17	35.125	
21,200.0	12,634.0	16,312.8	7,751.0	147.1	142.7	2.69	-8,394.2	196.1	4,888.4	4,747.7	140.71	34.741	
21,300.0	12,634.0	16,412.8	7,751.0	148.7	144.4	2.69	-8,494.2	196.9	4,888.4	4,746.1	142.24	34.366	
21,400.0	12,634.0	16,512.8	7,751.0	150.3	146.0	2.69	-8,594.2	197.7	4,888.4	4,744.6	143.78	33.998	
21,500.0	12,634.0	16,612.8	7,751.0	151.9	147.6	2.69	-8,694.2	198.4	4,888.4	4,743.1	145.32	33.638	
21,600.0	12,634.0	16,712.8	7,751.0	153.4	149.2	2.69	-8,794.2	199.2	4,888.4	4,741.5	146.86	33.286	
21,700.0	12,634.0	16,812.8	7,751.0	155.0	150.8	2.69	-8,894.2	200.0	4,888.4	4,740.0	148.40	32.940	
21,800.0	12,634.0	16,912.8	7,751.0	156.6	152.5	2.69	-8,994.2	200.8	4,888.4	4,738.4	149.94	32.602	
21,900.0	12,634.0	17,012.8	7,751.0	158.2	154.1	2.69	-9,094.2	201.5	4,888.4	4,736.9	151.48	32.270	
22,000.0	12,634.0	17,112.8	7,751.0	159.8	155.7	2.69	-9,194.2	202.3	4,888.4	4,735.4	153.03	31.945	
22,100.0	12,634.0	17,212.8	7,751.0	161.4	157.3	2.69	-9,294.2	203.1	4,888.4	4,733.8	154.57	31.626	
22,200.0	12,634.0	17,312.8	7,751.0	163.0	158.9	2.69	-9,394.2	203.8	4,888.4	4,732.3	156.11	31.313	
22,300.0	12,634.0	17,412.8	7,751.0	164.5	160.6	2.69	-9,494.2	204.6	4,888.4	4,730.7	157.66	31.006	
22,400.0	12,634.0	17,512.8	7,751.0	166.1	162.2	2.69	-9,594.2	205.4	4,888.4	4,729.2	159.20	30.706	
22,500.0	12,634.0	17,612.8	7,751.0	167.7	163.8	2.69	-9,694.2	206.1	4,888.4	4,727.6	160.75	30.410	
22,600.0	12,634.0	17,712.8	7,751.0	169.3	165.4	2.69	-9,794.2	206.9	4,888.4	4,726.1	162.29	30.121	
22,700.0	12,634.0	17,812.8	7,751.0	170.9	167.1	2.69	-9,894.2	207.7	4,888.4	4,724.5	163.84	29.836	
22,796.3	12,634.0	17,909.2	7,751.0	172.4	168.6	2.69	-9,990.5	208.4	4,888.4	4,723.1	165.33	29.567	
22,796.7	12,634.0	17,909.5	7,751.0	172.5	168.6	2.69	-9,990.9	208.4	4,888.4	4,723.0	165.33	29.567	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	89.60	1.3	189.9	189.9				
100.0	100.0	100.0	100.0	0.1	0.1	89.60	1.3	189.9	189.9	189.7	0.26	741.077	
200.0	200.0	200.0	200.0	0.5	0.5	89.60	1.3	189.9	189.9	189.0	0.97	195.164	
300.0	300.0	300.0	300.0	0.8	0.8	89.60	1.3	189.9	189.9	188.3	1.69	112.380	
400.0	400.0	400.0	400.0	1.2	1.2	89.60	1.3	189.9	189.9	187.5	2.41	78.908	
500.0	500.0	500.0	500.0	1.6	1.6	89.60	1.3	189.9	189.9	186.8	3.12	60.800	
600.0	600.0	600.0	600.0	1.9	1.9	89.60	1.3	189.9	189.9	186.1	3.84	49.451	
700.0	700.0	700.0	700.0	2.3	2.3	89.60	1.3	189.9	189.9	185.4	4.56	41.673	
800.0	800.0	800.0	800.0	2.6	2.6	89.60	1.3	189.9	189.9	184.7	5.27	36.009	
900.0	900.0	900.0	900.0	3.0	3.0	89.60	1.3	189.9	189.9	184.0	5.99	31.700	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.60	1.3	189.9	189.9	183.2	6.71	28.313	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.60	1.3	189.9	189.9	182.5	7.43	25.579	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.60	1.3	189.9	189.9	181.8	8.14	23.327	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	1.3	189.9	189.9	181.1	8.86	21.439	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.60	1.3	189.9	189.9	180.4	9.58	19.834	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.60	1.3	189.9	189.9	179.7	10.29	18.453	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	55.93	1.3	189.9	189.5	178.4	11.01	17.209	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	56.60	1.3	189.9	188.0	176.3	11.72	16.037	
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	57.75	1.3	189.9	185.6	173.2	12.44	14.926	
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	59.39	1.3	189.9	182.4	169.3	13.15	13.872	
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	61.59	1.3	189.9	178.6	164.7	13.87	12.875	
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	64.39	1.3	189.9	174.2	159.6	14.59	11.940	
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	67.87	1.3	189.9	169.6	154.3	15.32	11.073	
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	72.08	1.3	189.9	165.1	149.0	16.05	10.287	
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	76.74	1.3	189.9	161.3	144.5	16.79	9.610	
2,500.0	2,495.5	2,504.5	2,495.5	8.8	8.7	81.59	1.3	189.9	158.7	141.1	17.53	9.051	
2,600.0	2,594.5	2,605.5	2,594.5	9.2	9.1	86.57	1.3	189.9	157.2	138.9	18.28	8.601	
2,668.3	2,662.1	2,662.1	2,662.1	9.4	9.3	90.00	1.3	189.9	156.9	138.2	18.75	8.371 CC	
2,700.0	2,693.5	2,706.5	2,693.5	9.6	9.5	91.60	1.3	189.9	157.0	138.0	19.03	8.251 ES	
2,800.0	2,792.5	2,807.5	2,792.5	9.9	9.8	96.60	1.3	189.9	158.0	138.2	19.78	7.988	
2,900.0	2,891.6	2,908.4	2,891.6	10.3	10.2	101.50	1.3	189.9	160.2	139.7	20.53	7.804	
3,000.0	2,990.6	2,990.6	2,990.6	10.7	10.5	106.24	1.3	189.9	163.6	142.4	21.21	7.713	
3,100.0	3,089.6	3,092.3	3,092.3	11.1	10.9	110.92	1.9	189.4	167.3	145.4	21.96	7.621	
3,200.0	3,188.6	3,194.3	3,194.3	11.5	11.2	115.51	3.7	187.7	170.4	147.7	22.69	7.509	
3,300.0	3,287.7	3,296.3	3,296.2	11.9	11.6	120.10	6.9	184.6	172.8	149.4	23.42	7.378	
3,400.0	3,386.7	3,398.3	3,397.9	12.3	11.9	124.74	11.3	180.4	174.6	150.4	24.14	7.232	
3,500.0	3,485.7	3,500.0	3,499.4	12.7	12.3	129.52	17.1	174.9	175.8	151.0	24.85	7.077	
3,600.0	3,584.8	3,601.6	3,600.5	13.1	12.7	134.49	24.1	168.1	176.8	151.2	25.55	6.920	
3,700.0	3,683.8	3,702.9	3,701.2	13.5	13.0	139.70	32.5	160.2	177.6	151.4	26.25	6.767	
3,800.0	3,782.8	3,803.9	3,801.3	13.9	13.4	145.18	42.0	151.0	178.5	151.6	26.94	6.626	
3,900.0	3,881.8	3,902.3	3,898.7	14.3	13.8	150.60	51.9	141.6	180.5	152.8	27.66	6.527	
4,000.0	3,980.9	4,000.8	3,996.2	14.7	14.1	155.87	61.9	132.1	184.1	155.7	28.37	6.489 SF	
4,100.0	4,079.9	4,100.7	4,093.8	15.1	14.5	160.90	71.8	122.7	189.2	160.1	29.09	6.505	
4,200.0	4,178.9	4,202.3	4,191.3	15.5	14.9	165.64	81.7	113.2	195.8	165.9	29.81	6.566	
4,300.0	4,277.9	4,303.8	4,288.8	16.0	15.3	170.06	91.6	103.7	203.6	173.0	30.55	6.664	
4,400.0	4,377.0	4,405.3	4,386.3	16.4	15.6	174.13	101.5	94.3	212.5	181.2	31.29	6.793	
4,500.0	4,476.0	4,493.2	4,483.8	16.8	16.0	177.86	111.4	84.8	222.5	190.5	31.98	6.957	
4,600.0	4,575.0	4,608.3	4,581.4	17.2	16.4	-178.73	121.3	75.3	233.3	200.5	32.78	7.117	
4,700.0	4,674.0	4,709.9	4,678.9	17.6	16.8	-175.63	131.2	65.9	244.9	211.3	33.53	7.302	
4,800.0	4,773.1	4,788.6	4,776.4	18.0	17.1	-172.82	141.1	56.4	257.1	222.9	34.20	7.517	
4,900.0	4,872.1	4,887.1	4,873.9	18.4	17.5	-170.26	151.1	46.9	269.9	234.9	34.95	7.721	
4,941.9	4,913.6	4,928.4	4,914.8	18.6	17.7	-169.26	155.2	43.0	275.4	240.1	35.27	7.809	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,971.2	4,985.6	4,971.5	18.8	17.9	-167.93	161.0	37.5	282.7	247.0	35.71	7.918	
5,100.0	5,070.6	5,084.4	5,069.3	19.2	18.3	-165.72	170.9	28.0	293.7	257.3	36.46	8.056	
5,200.0	5,170.2	5,183.3	5,167.2	19.6	18.7	-163.53	180.9	18.5	302.6	265.4	37.21	8.132	
5,300.0	5,270.0	5,282.3	5,265.3	19.9	19.0	-161.31	190.8	8.9	309.5	271.5	37.97	8.151	
5,400.0	5,370.0	5,381.4	5,363.4	20.3	19.4	-159.02	200.8	-0.6	314.4	275.7	38.72	8.119	
5,475.2	5,445.2	5,455.9	5,437.2	20.6	19.7	-123.34	208.3	-7.7	316.8	277.5	39.28	8.065	
5,500.0	5,470.0	5,480.4	5,461.5	20.6	19.8	-122.73	210.8	-10.1	317.5	278.0	39.47	8.043	
5,600.0	5,570.0	5,579.5	5,559.5	21.0	20.2	-120.31	220.7	-19.6	320.4	280.2	40.21	7.968	
5,700.0	5,670.0	5,678.5	5,657.6	21.3	20.6	-117.93	230.7	-29.1	323.9	283.0	40.96	7.909	
5,800.0	5,770.0	5,777.5	5,755.7	21.6	21.0	-115.61	240.7	-38.7	328.0	286.3	41.70	7.866	
5,900.0	5,870.0	5,876.5	5,853.7	22.0	21.4	-113.35	250.6	-48.2	332.6	290.2	42.44	7.838	
6,000.0	5,970.0	5,975.6	5,951.8	22.3	21.8	-111.16	260.6	-57.7	337.8	294.6	43.18	7.822	
6,100.0	6,070.0	6,074.6	6,049.9	22.7	22.2	-109.03	270.6	-67.2	343.4	299.5	43.92	7.819	
6,200.0	6,170.0	6,173.6	6,147.9	23.0	22.6	-106.97	280.5	-76.7	349.5	304.8	44.65	7.827	
6,300.0	6,270.0	6,272.7	6,246.0	23.3	23.0	-104.99	290.5	-86.3	356.0	310.6	45.38	7.844	
6,400.0	6,370.0	6,371.7	6,344.1	23.7	23.4	-103.07	300.5	-95.8	362.9	316.8	46.11	7.870	
6,500.0	6,470.0	6,470.7	6,442.1	24.0	23.8	-101.23	310.4	-105.3	370.3	323.4	46.84	7.904	
6,600.0	6,570.0	6,569.7	6,540.2	24.3	24.2	-99.46	320.4	-114.8	378.0	330.4	47.57	7.946	
6,700.0	6,670.0	6,668.8	6,638.2	24.7	24.6	-97.76	330.4	-124.3	386.0	337.7	48.29	7.993	
6,800.0	6,770.0	6,767.8	6,736.3	25.0	25.0	-96.14	340.3	-133.8	394.4	345.4	49.01	8.046	
6,900.0	6,870.0	6,866.8	6,834.4	25.4	25.4	-94.58	350.3	-143.4	403.1	353.3	49.73	8.105	
7,000.0	6,970.0	6,972.4	6,939.1	25.7	25.8	-93.11	360.1	-152.7	411.3	360.8	50.54	8.140	
7,100.0	7,070.0	7,079.6	7,045.7	26.1	26.2	-91.98	367.9	-160.2	418.0	366.7	51.33	8.143	
7,200.0	7,170.0	7,187.3	7,153.1	26.4	26.6	-91.19	373.6	-165.6	422.9	370.8	52.11	8.115	
7,300.0	7,270.0	7,295.4	7,261.1	26.7	27.0	-90.71	377.1	-169.0	425.9	373.1	52.87	8.056	
7,400.0	7,370.0	7,403.6	7,369.3	27.1	27.4	-90.53	378.4	-170.2	427.0	373.4	53.60	7.967	
7,500.0	7,470.0	7,504.3	7,470.0	27.4	27.7	-90.53	378.4	-170.2	427.1	372.8	54.30	7.865	
7,600.0	7,570.0	7,604.3	7,570.0	27.8	28.1	-90.53	378.4	-170.2	427.1	372.1	54.99	7.766	
7,700.0	7,670.0	7,704.3	7,670.0	28.1	28.4	-90.53	378.4	-170.2	427.1	371.4	55.68	7.669	
7,800.0	7,770.0	7,800.8	7,766.0	28.5	28.7	-91.66	370.0	-170.4	427.4	371.1	56.32	7.589	
7,900.0	7,870.0	7,892.0	7,854.3	28.8	28.9	-94.69	347.3	-170.9	429.5	372.6	56.87	7.552	
8,000.0	7,970.0	7,974.4	7,930.0	29.2	29.1	-98.93	315.0	-171.7	435.7	378.5	57.20	7.617	
8,100.0	8,070.0	8,046.2	7,991.6	29.5	29.2	-103.62	278.3	-172.6	448.8	391.8	57.05	7.367	
8,200.0	8,170.0	8,107.5	8,040.2	29.9	29.3	-108.18	241.0	-173.5	471.2	415.0	56.18	8.388	
8,300.0	8,270.0	8,159.3	8,078.1	30.2	29.3	-112.28	205.6	-174.4	504.0	449.5	54.53	9.242	
8,400.0	8,370.0	8,200.0	8,105.4	30.5	29.3	-115.58	175.5	-175.1	547.1	495.0	52.18	10.486	
8,500.0	8,470.0	8,240.1	8,130.2	30.9	29.4	-118.84	144.0	-175.9	599.6	549.9	49.70	12.063	
8,600.0	8,570.0	8,271.6	8,148.1	31.2	29.4	-121.37	118.2	-176.5	660.0	612.9	47.04	14.029	
8,700.0	8,670.0	8,300.0	8,163.0	31.6	29.4	-123.60	94.0	-177.1	727.0	682.4	44.54	16.322	
8,800.0	8,770.0	8,321.7	8,173.6	31.9	29.4	-125.28	75.0	-177.6	799.3	757.1	42.13	18.973	
8,900.0	8,870.0	8,350.0	8,186.3	32.3	29.4	-127.40	49.7	-178.2	876.0	835.7	40.28	21.747	
9,000.0	8,970.0	8,350.0	8,186.3	32.6	29.4	-127.40	49.7	-178.2	956.0	918.2	37.87	25.248	
9,100.0	9,070.0	8,375.0	8,196.5	33.0	29.4	-129.21	26.9	-178.8	1,038.8	1,002.3	36.54	28.432	
9,200.0	9,170.0	8,400.0	8,205.6	33.3	29.4	-130.96	3.7	-179.3	1,124.1	1,088.7	35.44	31.716	
9,300.0	9,270.0	8,400.0	8,205.6	33.7	29.4	-130.96	3.7	-179.3	1,211.0	1,177.1	33.91	35.709	
9,400.0	9,370.0	8,400.0	8,205.6	34.0	29.4	-130.96	3.7	-179.3	1,299.8	1,267.1	32.63	39.835	
9,500.0	9,470.0	8,421.8	8,212.7	34.4	29.4	-132.43	-16.9	-179.8	1,389.5	1,357.5	32.03	43.379	
9,600.0	9,570.0	8,430.7	8,215.4	34.7	29.4	-133.02	-25.4	-180.1	1,480.5	1,449.2	31.29	47.317	
9,700.0	9,670.0	8,450.0	8,220.8	35.1	29.4	-134.27	-43.9	-180.5	1,572.6	1,541.7	30.88	50.923	
9,800.0	9,770.0	8,450.0	8,220.8	35.4	29.4	-134.27	-43.9	-180.5	1,665.2	1,635.0	30.21	55.125	
9,900.0	9,870.0	8,450.0	8,220.8	35.8	29.4	-134.27	-43.9	-180.5	1,758.6	1,728.9	29.65	59.310	
10,000.0	9,970.0	8,450.0	8,220.8	36.1	29.4	-134.27	-43.9	-180.5	1,852.7	1,823.5	29.20	63.458	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.0	8,450.0	8,220.8	36.5	29.4	-134.27	-43.9	-180.5	1,947.4	1,918.5	28.83	67.552	
10,200.0	10,170.0	8,470.2	8,225.8	36.8	29.4	-135.52	-63.5	-181.0	2,042.1	2,013.3	28.82	70.855	
10,300.0	10,270.0	8,475.1	8,226.9	37.2	29.4	-135.82	-68.3	-181.1	2,137.5	2,108.9	28.64	74.622	
10,400.0	10,370.0	8,479.6	8,227.9	37.5	29.4	-136.09	-72.7	-181.2	2,233.3	2,204.8	28.52	78.318	
10,500.0	10,470.0	8,500.0	8,231.9	37.9	29.4	-137.29	-92.7	-181.7	2,329.6	2,301.0	28.63	81.375	
10,600.0	10,570.0	8,500.0	8,231.9	38.2	29.4	-137.29	-92.7	-181.7	2,425.8	2,397.3	28.52	85.054	
10,700.0	10,670.0	8,500.0	8,231.9	38.6	29.4	-137.29	-92.7	-181.7	2,522.4	2,493.9	28.46	88.641	
10,800.0	10,770.0	8,500.0	8,231.9	38.9	29.4	-137.29	-92.7	-181.7	2,619.2	2,590.7	28.43	92.134	
10,900.0	10,870.0	8,500.0	8,231.9	39.3	29.4	-137.29	-92.7	-181.7	2,716.2	2,687.7	28.43	95.531	
11,000.0	10,970.0	8,500.0	8,231.9	39.6	29.4	-137.29	-92.7	-181.7	2,813.4	2,784.9	28.47	98.831	
11,100.0	11,070.0	8,500.0	8,231.9	40.0	29.4	-137.29	-92.7	-181.7	2,910.8	2,882.3	28.53	102.036	
11,200.0	11,170.0	8,500.0	8,231.9	40.3	29.4	-137.29	-92.7	-181.7	3,008.4	2,979.8	28.61	105.145	
11,300.0	11,270.0	8,500.0	8,231.9	40.7	29.4	-137.29	-92.7	-181.7	3,106.1	3,077.4	28.72	108.161	
11,400.0	11,370.0	8,500.0	8,231.9	41.0	29.4	-137.29	-92.7	-181.7	3,204.0	3,175.2	28.84	111.083	
11,500.0	11,470.0	8,500.0	8,231.9	41.4	29.4	-137.29	-92.7	-181.7	3,302.0	3,273.0	28.99	113.915	
11,600.0	11,570.0	8,500.0	8,231.9	41.8	29.4	-137.29	-92.7	-181.7	3,400.1	3,371.0	29.15	116.657	
11,700.0	11,670.0	8,500.0	8,231.9	42.1	29.4	-137.29	-92.7	-181.7	3,498.4	3,469.0	29.32	119.313	
11,800.0	11,770.0	8,500.0	8,231.9	42.5	29.4	-137.29	-92.7	-181.7	3,596.7	3,567.2	29.51	121.884	
11,900.0	11,870.0	8,522.7	8,235.4	42.8	29.4	-138.57	-115.1	-182.2	3,694.6	3,664.7	29.87	123.687	
12,000.0	11,970.0	8,524.5	8,235.7	43.2	29.4	-138.67	-116.9	-182.3	3,793.0	3,762.9	30.09	126.051	
12,091.0	12,061.0	8,526.1	8,235.9	43.5	29.5	-138.75	-118.5	-182.3	3,882.7	3,852.4	30.30	128.140	
12,100.0	12,070.0	8,526.3	8,235.9	43.5	29.5	45.56	-118.6	-182.3	3,891.5	3,861.2	30.32	128.344	
12,150.0	12,119.9	8,527.5	8,236.1	43.7	29.5	31.31	-119.9	-182.4	3,940.3	3,909.9	30.43	129.486	
12,200.0	12,169.3	8,550.0	8,238.6	43.8	29.5	23.26	-142.2	-182.9	3,988.7	3,958.0	30.66	130.076	
12,250.0	12,217.9	8,550.0	8,238.6	44.0	29.5	18.62	-142.2	-182.9	4,035.4	4,004.6	30.74	131.276	
12,300.0	12,265.4	8,550.0	8,238.6	44.1	29.5	15.54	-142.2	-182.9	4,080.5	4,049.7	30.80	132.466	
12,350.0	12,311.2	8,550.0	8,238.6	44.2	29.5	13.37	-142.2	-182.9	4,123.8	4,092.9	30.86	133.632	
12,400.0	12,355.2	8,550.0	8,238.6	44.3	29.5	11.78	-142.2	-182.9	4,165.0	4,134.1	30.91	134.760	
12,450.0	12,396.9	8,550.0	8,238.6	44.4	29.5	10.58	-142.2	-182.9	4,203.9	4,172.9	30.95	135.834	
12,500.0	12,436.1	8,550.0	8,238.6	44.5	29.5	9.66	-142.2	-182.9	4,240.2	4,209.2	30.99	136.839	
12,550.0	12,472.4	8,550.0	8,238.6	44.5	29.5	8.92	-142.2	-182.9	4,273.7	4,242.7	31.02	137.755	
12,600.0	12,505.6	8,550.0	8,238.6	44.6	29.5	8.34	-142.2	-182.9	4,304.3	4,273.2	31.06	138.565	
12,650.0	12,535.4	8,550.0	8,238.6	44.6	29.5	7.88	-142.2	-182.9	4,331.8	4,300.6	31.11	139.250	
12,700.0	12,561.6	8,550.0	8,238.6	44.7	29.5	7.51	-142.2	-182.9	4,355.9	4,324.8	31.16	139.792	
12,750.0	12,584.0	8,572.8	8,240.2	44.7	29.6	7.26	-165.0	-183.5	4,376.2	4,344.9	31.31	139.752	
12,800.0	12,602.4	8,578.3	8,240.5	44.7	29.6	7.04	-170.4	-183.6	4,393.2	4,361.8	31.40	139.893	
12,850.0	12,616.7	8,602.3	8,241.0	44.8	29.7	6.92	-194.4	-184.2	4,406.8	4,375.3	31.57	139.585	
12,900.0	12,626.7	8,602.3	8,241.0	44.9	29.7	6.80	-194.4	-184.2	4,416.2	4,384.6	31.67	139.465	
12,950.0	12,632.5	8,602.3	8,241.0	45.0	29.7	6.73	-194.4	-184.2	4,421.9	4,390.1	31.78	139.139	
12,991.0	12,634.0	8,602.3	8,241.0	45.1	29.7	6.71	-194.4	-184.2	4,423.8	4,391.9	31.89	138.717	
13,000.0	12,634.0	8,602.3	8,241.0	45.1	29.7	6.71	-194.4	-184.2	4,423.9	4,392.0	31.92	138.608	
13,100.0	12,634.0	8,705.2	8,241.0	45.4	30.0	6.91	-297.3	-184.9	4,425.4	4,392.9	32.50	136.167	
13,200.0	12,634.0	8,804.9	8,241.0	45.7	30.5	7.02	-397.0	-184.1	4,426.3	4,393.2	33.13	133.622	
13,300.0	12,634.0	8,904.8	8,241.0	46.0	31.0	7.09	-496.9	-183.3	4,426.8	4,393.0	33.80	130.953	
13,368.8	12,634.0	8,973.6	8,241.0	46.3	31.3	7.10	-565.7	-182.8	4,427.0	4,392.6	34.30	129.058	
13,400.0	12,634.0	9,004.8	8,241.0	46.4	31.5	7.10	-596.9	-182.6	4,427.0	4,392.4	34.53	128.198	
13,500.0	12,634.0	9,104.8	8,241.0	46.8	32.2	7.10	-696.9	-181.8	4,427.0	4,391.6	35.31	125.359	
13,600.0	12,634.0	9,204.8	8,241.0	47.3	32.9	7.10	-796.9	-181.0	4,427.0	4,390.8	36.15	122.459	
13,700.0	12,634.0	9,304.8	8,241.0	47.9	33.6	7.10	-896.9	-180.3	4,427.0	4,389.9	37.04	119.531	
13,800.0	12,634.0	9,404.8	8,241.0	48.4	34.5	7.10	-996.9	-179.5	4,427.0	4,389.0	37.97	116.599	
13,900.0	12,634.0	9,504.8	8,241.0	49.1	35.4	7.10	-1,096.9	-178.7	4,427.0	4,388.0	38.94	113.685	
14,000.0	12,634.0	9,604.8	8,241.0	49.7	36.3	7.10	-1,196.9	-178.0	4,427.0	4,387.0	39.95	110.805	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	12,634.0	9,704.8	8,241.0	50.5	37.3	7.10	-1,296.9	-177.2	4,427.0	4,386.0	41.00	107.973		
14,200.0	12,634.0	9,804.8	8,241.0	51.2	38.3	7.10	-1,396.9	-176.4	4,427.0	4,384.9	42.08	105.200		
14,300.0	12,634.0	9,904.8	8,241.0	52.0	39.4	7.10	-1,496.9	-175.7	4,427.0	4,383.8	43.19	102.494		
14,400.0	12,634.0	10,004.8	8,241.0	52.9	40.5	7.10	-1,596.9	-174.9	4,427.0	4,382.6	44.33	99.859		
14,500.0	12,634.0	10,104.8	8,241.0	53.8	41.7	7.10	-1,696.9	-174.1	4,427.0	4,381.5	45.50	97.301		
14,600.0	12,634.0	10,204.8	8,241.0	54.7	42.8	7.10	-1,796.9	-173.4	4,427.0	4,380.3	46.69	94.821		
14,700.0	12,634.0	10,304.8	8,241.0	55.7	44.0	7.10	-1,896.9	-172.6	4,427.0	4,379.1	47.90	92.420		
14,800.0	12,634.0	10,404.8	8,241.0	56.6	45.3	7.10	-1,996.9	-171.8	4,427.0	4,377.8	49.13	90.100		
14,900.0	12,634.0	10,504.8	8,241.0	57.7	46.5	7.10	-2,096.9	-171.1	4,427.0	4,376.6	50.39	87.859		
15,000.0	12,634.0	10,604.8	8,241.0	58.7	47.8	7.10	-2,196.9	-170.3	4,427.0	4,375.3	51.66	85.697		
15,100.0	12,634.0	10,704.8	8,241.0	59.8	49.1	7.10	-2,296.9	-169.5	4,427.0	4,374.0	52.95	83.611		
15,200.0	12,634.0	10,804.8	8,241.0	60.9	50.5	7.10	-2,396.9	-168.8	4,427.0	4,372.7	54.25	81.601		
15,300.0	12,634.0	10,904.8	8,241.0	62.0	51.8	7.10	-2,496.8	-168.0	4,427.0	4,371.4	55.57	79.664		
15,400.0	12,634.0	11,004.8	8,241.0	63.1	53.2	7.10	-2,596.8	-167.2	4,427.0	4,370.1	56.90	77.798		
15,500.0	12,634.0	11,104.8	8,241.0	64.3	54.5	7.10	-2,696.8	-166.5	4,427.0	4,368.7	58.25	76.000		
15,600.0	12,634.0	11,204.8	8,241.0	65.5	55.9	7.10	-2,796.8	-165.7	4,427.0	4,367.4	59.61	74.269		
15,700.0	12,634.0	11,304.8	8,241.0	66.7	57.3	7.10	-2,896.8	-164.9	4,427.0	4,366.0	60.98	72.600		
15,800.0	12,634.0	11,404.8	8,241.0	67.9	58.8	7.10	-2,996.8	-164.2	4,427.0	4,364.6	62.36	70.993		
15,900.0	12,634.0	11,504.8	8,241.0	69.2	60.2	7.10	-3,096.8	-163.4	4,427.0	4,363.2	63.75	69.445		
16,000.0	12,634.0	11,604.8	8,241.0	70.4	61.6	7.10	-3,196.8	-162.6	4,427.0	4,361.8	65.15	67.953		
16,100.0	12,634.0	11,704.8	8,241.0	71.7	63.1	7.10	-3,296.8	-161.9	4,427.0	4,360.4	66.56	66.514		
16,200.0	12,634.0	11,804.8	8,241.0	73.0	64.6	7.10	-3,396.8	-161.1	4,427.0	4,359.0	67.97	65.127		
16,300.0	12,634.0	11,904.8	8,241.0	74.3	66.0	7.10	-3,496.8	-160.3	4,427.0	4,357.6	69.40	63.790		
16,400.0	12,634.0	12,004.8	8,241.0	75.6	67.5	7.10	-3,596.8	-159.6	4,427.0	4,356.2	70.83	62.500		
16,500.0	12,634.0	12,104.8	8,241.0	77.0	69.0	7.11	-3,696.8	-158.8	4,427.0	4,354.7	72.27	61.255		
16,600.0	12,634.0	12,204.8	8,241.0	78.3	70.5	7.11	-3,796.8	-158.0	4,427.0	4,353.3	73.72	60.053		
16,700.0	12,634.0	12,304.8	8,241.0	79.7	72.0	7.11	-3,896.8	-157.3	4,427.0	4,351.8	75.17	58.892		
16,800.0	12,634.0	12,404.8	8,241.0	81.0	73.5	7.11	-3,996.8	-156.5	4,427.0	4,350.4	76.63	57.771		
16,900.0	12,634.0	12,504.8	8,241.0	82.4	75.0	7.11	-4,096.8	-155.7	4,427.0	4,348.9	78.09	56.688		
17,000.0	12,634.0	12,604.8	8,241.0	83.8	76.5	7.11	-4,196.8	-155.0	4,427.0	4,347.4	79.56	55.640		
17,100.0	12,634.0	12,704.8	8,241.0	85.2	78.0	7.11	-4,296.8	-154.2	4,427.0	4,346.0	81.04	54.628		
17,200.0	12,634.0	12,804.8	8,241.0	86.6	79.6	7.11	-4,396.8	-153.4	4,427.0	4,344.5	82.52	53.648		
17,300.0	12,634.0	12,904.8	8,241.0	88.0	81.1	7.11	-4,496.8	-152.7	4,427.0	4,343.0	84.00	52.700		
17,400.0	12,634.0	13,004.8	8,241.0	89.4	82.6	7.11	-4,596.8	-151.9	4,427.0	4,341.5	85.49	51.783		
17,500.0	12,634.0	13,104.8	8,241.0	90.9	84.2	7.11	-4,696.8	-151.1	4,427.0	4,340.0	86.98	50.894		
17,600.0	12,634.0	13,204.8	8,241.0	92.3	85.7	7.11	-4,796.8	-150.4	4,427.0	4,338.5	88.48	50.033		
17,700.0	12,634.0	13,304.8	8,241.0	93.8	87.3	7.11	-4,896.8	-149.6	4,427.0	4,337.0	89.98	49.199		
17,800.0	12,634.0	13,404.8	8,241.0	95.2	88.8	7.11	-4,996.8	-148.8	4,427.0	4,335.5	91.49	48.390		
17,900.0	12,634.0	13,504.8	8,241.0	96.7	90.4	7.11	-5,096.8	-148.1	4,427.0	4,334.0	92.99	47.605		
18,000.0	12,634.0	13,604.8	8,241.0	98.1	91.9	7.11	-5,196.8	-147.3	4,427.0	4,332.5	94.50	46.844		
18,100.0	12,634.0	13,704.8	8,241.0	99.6	93.5	7.11	-5,296.8	-146.5	4,427.0	4,331.0	96.02	46.106		
18,200.0	12,634.0	13,804.8	8,241.0	101.1	95.1	7.11	-5,396.8	-145.8	4,427.0	4,329.5	97.54	45.389		
18,300.0	12,634.0	13,904.8	8,241.0	102.6	96.6	7.11	-5,496.8	-145.0	4,427.0	4,328.0	99.06	44.692		
18,400.0	12,634.0	14,004.8	8,241.0	104.1	98.2	7.11	-5,596.8	-144.2	4,427.0	4,326.4	100.58	44.016		
18,500.0	12,634.0	14,104.8	8,241.0	105.6	99.8	7.11	-5,696.8	-143.5	4,427.0	4,324.9	102.10	43.358		
18,600.0	12,634.0	14,204.8	8,241.0	107.0	101.4	7.11	-5,796.8	-142.7	4,427.0	4,323.4	103.63	42.719		
18,700.0	12,634.0	14,304.8	8,241.0	108.5	102.9	7.11	-5,896.7	-142.0	4,427.0	4,321.9	105.16	42.098		
18,800.0	12,634.0	14,404.8	8,241.0	110.1	104.5	7.11	-5,996.7	-141.2	4,427.0	4,320.3	106.69	41.493		
18,900.0	12,634.0	14,504.8	8,241.0	111.6	106.1	7.11	-6,096.7	-140.4	4,427.0	4,318.8	108.23	40.905		
19,000.0	12,634.0	14,604.8	8,241.0	113.1	107.7	7.11	-6,196.7	-139.7	4,427.0	4,317.3	109.76	40.332		
19,100.0	12,634.0	14,704.8	8,241.0	114.6	109.3	7.11	-6,296.7	-138.9	4,427.0	4,315.7	111.30	39.775		
19,200.0	12,634.0	14,804.8	8,241.0	116.1	110.9	7.11	-6,396.7	-138.1	4,427.0	4,314.2	112.84	39.232		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #102H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,300.0	12,634.0	14,904.8	8,241.0	117.6	112.4	7.11	-6,496.7	-137.4	4,427.0	4,312.6	114.39	38.703		
19,400.0	12,634.0	15,004.8	8,241.0	119.2	114.0	7.11	-6,596.7	-136.6	4,427.0	4,311.1	115.93	38.187		
19,500.0	12,634.0	15,104.8	8,241.0	120.7	115.6	7.11	-6,696.7	-135.8	4,427.0	4,309.6	117.48	37.685		
19,600.0	12,634.0	15,204.8	8,241.0	122.2	117.2	7.11	-6,796.7	-135.1	4,427.0	4,308.0	119.02	37.195		
19,700.0	12,634.0	15,304.8	8,241.0	123.8	118.8	7.11	-6,896.7	-134.3	4,427.0	4,306.5	120.57	36.717		
19,800.0	12,634.0	15,404.8	8,241.0	125.3	120.4	7.11	-6,996.7	-133.5	4,427.0	4,304.9	122.12	36.250		
19,900.0	12,634.0	15,504.8	8,241.0	126.9	122.0	7.11	-7,096.7	-132.8	4,427.0	4,303.4	123.68	35.795		
20,000.0	12,634.0	15,604.8	8,241.0	128.4	123.6	7.11	-7,196.7	-132.0	4,427.0	4,301.8	125.23	35.351		
20,100.0	12,634.0	15,704.8	8,241.0	130.0	125.2	7.11	-7,296.7	-131.2	4,427.0	4,300.3	126.78	34.918		
20,200.0	12,634.0	15,804.8	8,241.0	131.5	126.8	7.11	-7,396.7	-130.5	4,427.0	4,298.7	128.34	34.494		
20,300.0	12,634.0	15,904.8	8,241.0	133.1	128.4	7.11	-7,496.7	-129.7	4,427.0	4,297.1	129.90	34.081		
20,400.0	12,634.0	16,004.8	8,241.0	134.6	130.0	7.11	-7,596.7	-128.9	4,427.0	4,295.6	131.46	33.677		
20,500.0	12,634.0	16,104.8	8,241.0	136.2	131.6	7.11	-7,696.7	-128.2	4,427.1	4,294.0	133.02	33.282		
20,600.0	12,634.0	16,204.8	8,241.0	137.7	133.2	7.11	-7,796.7	-127.4	4,427.1	4,292.5	134.58	32.895		
20,700.0	12,634.0	16,304.8	8,241.0	139.3	134.8	7.11	-7,896.7	-126.6	4,427.1	4,290.9	136.14	32.518		
20,800.0	12,634.0	16,404.8	8,241.0	140.9	136.5	7.11	-7,996.7	-125.9	4,427.1	4,289.4	137.71	32.149		
20,900.0	12,634.0	16,504.8	8,241.0	142.4	138.1	7.11	-8,096.7	-125.1	4,427.1	4,287.8	139.27	31.788		
21,000.0	12,634.0	16,604.8	8,241.0	144.0	139.7	7.11	-8,196.7	-124.3	4,427.1	4,286.2	140.84	31.434		
21,100.0	12,634.0	16,704.8	8,241.0	145.6	141.3	7.11	-8,296.7	-123.6	4,427.1	4,284.7	142.40	31.088		
21,200.0	12,634.0	16,804.8	8,241.0	147.1	142.9	7.11	-8,396.7	-122.8	4,427.1	4,283.1	143.97	30.750		
21,300.0	12,634.0	16,904.8	8,241.0	148.7	144.5	7.11	-8,496.7	-122.0	4,427.1	4,281.5	145.54	30.419		
21,400.0	12,634.0	17,004.8	8,241.0	150.3	146.1	7.11	-8,596.7	-121.3	4,427.1	4,280.0	147.11	30.094		
21,500.0	12,634.0	17,104.8	8,241.0	151.9	147.7	7.11	-8,696.7	-120.5	4,427.1	4,278.4	148.68	29.776		
21,600.0	12,634.0	17,204.8	8,241.0	153.4	149.4	7.11	-8,796.7	-119.7	4,427.1	4,276.8	150.25	29.465		
21,700.0	12,634.0	17,304.8	8,241.0	155.0	151.0	7.11	-8,896.7	-119.0	4,427.1	4,275.2	151.82	29.160		
21,800.0	12,634.0	17,404.8	8,241.0	156.6	152.6	7.11	-8,996.7	-118.2	4,427.1	4,273.7	153.39	28.861		
21,900.0	12,634.0	17,504.8	8,241.0	158.2	154.2	7.11	-9,096.7	-117.4	4,427.1	4,272.1	154.97	28.568		
22,000.0	12,634.0	17,604.8	8,241.0	159.8	155.8	7.11	-9,196.7	-116.7	4,427.1	4,270.5	156.54	28.281		
22,100.0	12,634.0	17,704.8	8,241.0	161.4	157.4	7.11	-9,296.6	-115.9	4,427.1	4,269.0	158.11	27.999		
22,200.0	12,634.0	17,804.8	8,241.0	163.0	159.1	7.11	-9,396.6	-115.1	4,427.1	4,267.4	159.69	27.723		
22,300.0	12,634.0	17,904.8	8,241.0	164.5	160.7	7.11	-9,496.6	-114.4	4,427.1	4,265.8	161.27	27.452		
22,400.0	12,634.0	18,004.8	8,241.0	166.1	162.3	7.11	-9,596.6	-113.6	4,427.1	4,264.2	162.84	27.186		
22,500.0	12,634.0	18,104.8	8,241.0	167.7	163.9	7.11	-9,696.6	-112.8	4,427.1	4,262.7	164.42	26.925		
22,600.0	12,634.0	18,204.8	8,241.0	169.3	165.6	7.11	-9,796.6	-112.1	4,427.1	4,261.1	166.00	26.669		
22,700.0	12,634.0	18,304.8	8,241.0	170.9	167.2	7.11	-9,896.6	-111.3	4,427.1	4,259.5	167.58	26.418		
22,796.3	12,634.0	18,401.2	8,241.0	172.4	168.7	7.11	-9,993.0	-110.6	4,427.1	4,258.0	169.10	26.180		
22,796.7	12,634.0	18,401.5	8,241.0	172.5	168.7	7.11	-9,993.3	-110.6	4,427.1	4,258.0	169.10	26.180		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	89.60	1.6	219.9	219.9				
100.0	100.0	100.0	100.0	0.1	0.1	89.60	1.6	219.9	219.9	219.7	0.26	858.102	
200.0	200.0	200.0	200.0	0.5	0.5	89.60	1.6	219.9	219.9	219.0	0.97	225.983	
300.0	300.0	300.0	300.0	0.8	0.8	89.60	1.6	219.9	219.9	218.2	1.69	130.126	
400.0	400.0	400.0	400.0	1.2	1.2	89.60	1.6	219.9	219.9	217.5	2.41	91.369	
500.0	500.0	500.0	500.0	1.6	1.6	89.60	1.6	219.9	219.9	216.8	3.12	70.401	
600.0	600.0	600.0	600.0	1.9	1.9	89.60	1.6	219.9	219.9	216.1	3.84	57.260	
700.0	700.0	700.0	700.0	2.3	2.3	89.60	1.6	219.9	219.9	215.4	4.56	48.254	
800.0	800.0	800.0	800.0	2.6	2.6	89.60	1.6	219.9	219.9	214.7	5.27	41.695	
900.0	900.0	900.0	900.0	3.0	3.0	89.60	1.6	219.9	219.9	213.9	5.99	36.706	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.60	1.6	219.9	219.9	213.2	6.71	32.784	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.60	1.6	219.9	219.9	212.5	7.43	29.618	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.60	1.6	219.9	219.9	211.8	8.14	27.011	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.60	1.6	219.9	219.9	211.1	8.86	24.825	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.60	1.6	219.9	219.9	210.4	9.58	22.966	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.60	1.6	219.9	219.9	209.6	10.29	21.367 CC	
1,600.0	1,600.0	1,597.6	1,597.6	5.5	5.5	55.72	2.2	220.5	220.0	209.0	11.00	20.004	
1,700.0	1,700.0	1,695.2	1,695.2	5.9	5.8	55.77	4.1	222.0	220.1	208.4	11.70	18.821	
1,800.0	1,799.9	1,792.8	1,792.7	6.2	6.2	55.85	7.3	224.7	220.4	208.0	12.40	17.781	
1,900.0	1,899.7	1,890.4	1,890.1	6.6	6.5	55.96	11.9	228.3	220.8	207.7	13.09	16.860	
2,000.0	1,999.4	1,988.1	1,987.5	6.9	6.9	56.10	17.6	233.1	221.2	207.4	13.79	16.039	
2,100.0	2,098.9	2,085.7	2,084.6	7.3	7.2	56.28	24.7	238.9	221.8	207.3	14.50	15.302	
2,200.0	2,198.3	2,183.3	2,181.7	7.7	7.6	56.48	33.1	245.7	222.5	207.3	15.20	14.637 ES	
2,300.0	2,297.4	2,280.9	2,278.5	8.0	8.0	56.72	42.7	253.5	223.3	207.4	15.91	14.032	
2,400.0	2,396.4	2,380.4	2,377.0	8.4	8.3	56.92	53.4	262.3	224.3	207.7	16.65	13.476	
2,500.0	2,495.5	2,480.4	2,476.1	8.8	8.7	57.11	64.2	271.1	225.4	208.0	17.39	12.960	
2,600.0	2,594.5	2,580.4	2,575.1	9.2	9.1	57.30	75.0	279.9	226.4	208.3	18.14	12.484	
2,700.0	2,693.5	2,680.4	2,674.1	9.6	9.5	57.49	85.7	288.7	227.5	208.6	18.89	12.042	
2,800.0	2,792.5	2,780.4	2,773.1	9.9	9.9	57.68	96.5	297.5	228.6	208.9	19.65	11.631	
2,900.0	2,891.6	2,880.4	2,872.1	10.3	10.3	57.87	107.3	306.3	229.6	209.2	20.41	11.250	
3,000.0	2,990.6	2,980.4	2,971.2	10.7	10.6	58.05	118.1	315.1	230.7	209.5	21.18	10.893	
3,100.0	3,089.6	3,080.4	3,070.2	11.1	11.0	58.23	128.8	323.9	231.8	209.8	21.95	10.561	
3,200.0	3,188.6	3,180.4	3,169.2	11.5	11.4	58.41	139.6	332.7	232.8	210.1	22.72	10.249	
3,300.0	3,287.7	3,280.3	3,268.2	11.9	11.8	58.59	150.4	341.5	233.9	210.4	23.49	9.957	
3,400.0	3,386.7	3,380.3	3,367.2	12.3	12.2	58.77	161.2	350.3	235.0	210.7	24.27	9.683	
3,500.0	3,485.7	3,480.3	3,466.2	12.7	12.6	58.95	171.9	359.1	236.1	211.0	25.05	9.425	
3,600.0	3,584.8	3,580.3	3,565.3	13.1	13.0	59.12	182.7	367.9	237.2	211.3	25.83	9.182	
3,700.0	3,683.8	3,680.3	3,664.3	13.5	13.4	59.29	193.5	376.8	238.3	211.6	26.61	8.952	
3,800.0	3,782.8	3,780.3	3,763.3	13.9	13.8	59.47	204.3	385.6	239.3	211.9	27.40	8.736	
3,900.0	3,881.8	3,880.3	3,862.3	14.3	14.2	59.64	215.1	394.4	240.4	212.2	28.18	8.531	
4,000.0	3,980.9	3,980.3	3,961.3	14.7	14.6	59.80	225.8	403.2	241.5	212.5	28.97	8.336	
4,100.0	4,079.9	4,080.3	4,060.4	15.1	15.0	59.97	236.6	412.0	242.6	212.9	29.76	8.152	
4,200.0	4,178.9	4,180.3	4,159.4	15.5	15.5	60.14	247.4	420.8	243.7	213.2	30.55	7.976	
4,300.0	4,277.9	4,280.3	4,258.4	16.0	15.9	60.30	258.2	429.6	244.8	213.5	31.35	7.810	
4,400.0	4,377.0	4,380.3	4,357.4	16.4	16.3	60.46	268.9	438.4	245.9	213.8	32.14	7.651	
4,500.0	4,476.0	4,480.2	4,456.4	16.8	16.7	60.62	279.7	447.2	247.0	214.1	32.94	7.500	
4,600.0	4,575.0	4,580.2	4,555.5	17.2	17.1	60.78	290.5	456.0	248.1	214.4	33.73	7.356	
4,700.0	4,674.0	4,680.2	4,654.5	17.6	17.5	60.94	301.3	464.8	249.2	214.7	34.53	7.218	
4,800.0	4,773.1	4,780.2	4,753.5	18.0	17.9	61.10	312.0	473.6	250.3	215.0	35.33	7.086	
4,900.0	4,872.1	4,880.2	4,852.5	18.4	18.3	61.25	322.8	482.4	251.4	215.3	36.13	6.960	
4,941.9	4,913.6	4,922.1	4,894.0	18.6	18.5	61.32	327.3	486.1	251.9	215.4	36.46	6.909	
5,000.0	4,971.2	4,980.2	4,951.5	18.8	18.7	61.33	333.6	491.2	252.8	215.8	36.92	6.846	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,070.6	5,080.2	5,050.5	19.2	19.1	60.95	344.4	500.0	255.2	217.5	37.69	6.771	
5,200.0	5,170.2	5,180.2	5,149.6	19.6	19.5	60.10	355.1	508.8	259.0	220.6	38.44	6.739	
5,300.0	5,270.0	5,284.1	5,252.7	19.9	20.0	59.01	365.2	517.0	263.3	224.1	39.18	6.721	
5,400.0	5,370.0	5,388.3	5,356.3	20.3	20.4	57.94	373.0	523.4	267.5	227.6	39.90	6.704	
5,475.2	5,445.2	5,466.8	5,434.6	20.6	20.6	91.04	377.5	527.1	270.5	230.0	40.41	6.693	
5,500.0	5,470.0	5,492.6	5,460.4	20.6	20.7	90.78	378.7	528.0	271.4	230.8	40.58	6.688	
5,600.0	5,570.0	5,597.2	5,564.9	21.0	21.1	90.05	382.1	530.9	274.1	232.8	41.25	6.644	
5,700.0	5,670.0	5,702.0	5,669.7	21.3	21.5	89.79	383.4	531.9	275.0	233.1	41.91	6.562	
5,800.0	5,770.0	5,802.3	5,770.0	21.6	21.8	89.78	383.4	531.9	275.0	232.5	42.59	6.458	
5,900.0	5,870.0	5,902.3	5,870.0	22.0	22.1	89.78	383.4	531.9	275.0	231.8	43.27	6.356	
6,000.0	5,970.0	6,002.3	5,970.0	22.3	22.5	89.78	383.4	531.9	275.0	231.1	43.95	6.258	
6,100.0	6,070.0	6,102.3	6,070.0	22.7	22.8	89.78	383.4	531.9	275.0	230.4	44.63	6.162	
6,200.0	6,170.0	6,202.3	6,170.0	23.0	23.1	89.78	383.4	531.9	275.0	229.7	45.32	6.069	
6,300.0	6,270.0	6,302.3	6,270.0	23.3	23.5	89.78	383.4	531.9	275.0	229.0	46.00	5.979	
6,400.0	6,370.0	6,402.3	6,370.0	23.7	23.8	89.78	383.4	531.9	275.0	228.4	46.69	5.891	
6,500.0	6,470.0	6,502.3	6,470.0	24.0	24.2	89.78	383.4	531.9	275.0	227.7	47.37	5.806	
6,600.0	6,570.0	6,602.3	6,570.0	24.3	24.5	89.78	383.4	531.9	275.0	227.0	48.06	5.723	
6,700.0	6,670.0	6,702.3	6,670.0	24.7	24.8	89.78	383.4	531.9	275.0	226.3	48.75	5.642	
6,800.0	6,770.0	6,802.3	6,770.0	25.0	25.2	89.78	383.4	531.9	275.0	225.6	49.43	5.564	
6,900.0	6,870.0	6,902.3	6,870.0	25.4	25.5	89.78	383.4	531.9	275.0	224.9	50.12	5.487	
7,000.0	6,970.0	7,002.3	6,970.0	25.7	25.8	89.78	383.4	531.9	275.0	224.2	50.81	5.413	
7,100.0	7,070.0	7,102.3	7,070.0	26.1	26.2	89.78	383.4	531.9	275.0	223.5	51.50	5.340	
7,200.0	7,170.0	7,202.3	7,170.0	26.4	26.5	89.78	383.4	531.9	275.0	222.8	52.20	5.270	
7,300.0	7,270.0	7,302.3	7,270.0	26.7	26.9	89.78	383.4	531.9	275.0	222.2	52.89	5.201	
7,400.0	7,370.0	7,402.3	7,370.0	27.1	27.2	89.78	383.4	531.9	275.0	221.5	53.58	5.133	
7,500.0	7,470.0	7,502.3	7,470.0	27.4	27.6	89.78	383.4	531.9	275.0	220.8	54.27	5.068	
7,600.0	7,570.0	7,602.3	7,570.0	27.8	27.9	89.78	383.4	531.9	275.0	220.1	54.97	5.004	
7,700.0	7,670.0	7,702.3	7,670.0	28.1	28.2	89.78	383.4	531.9	275.0	219.4	55.66	4.941	
7,800.0	7,770.0	7,802.3	7,770.0	28.5	28.6	89.78	383.4	531.9	275.0	218.7	56.36	4.880	
7,900.0	7,870.0	7,902.3	7,870.0	28.8	28.9	89.78	383.4	531.9	275.0	218.0	57.05	4.821	
8,000.0	7,970.0	8,002.3	7,970.0	29.2	29.3	89.78	383.4	531.9	275.0	217.3	57.75	4.763	
8,100.0	8,070.0	8,102.3	8,070.0	29.5	29.6	89.78	383.4	531.9	275.0	216.6	58.45	4.706	
8,200.0	8,170.0	8,202.3	8,170.0	29.9	30.0	89.78	383.4	531.9	275.0	215.9	59.14	4.651	
8,300.0	8,270.0	8,305.8	8,273.1	30.2	30.3	91.30	376.1	531.2	274.4	214.6	59.82	4.587	
8,385.6	8,355.5	8,390.6	8,355.5	30.5	30.5	95.40	356.6	529.4	273.7	213.3	60.46	4.527	
8,400.0	8,370.0	8,404.3	8,368.5	30.5	30.5	96.30	352.3	529.0	273.8	213.2	60.57	4.520 SF	
8,500.0	8,470.0	8,492.4	8,449.3	30.9	30.7	103.56	317.5	525.7	277.3	216.1	61.18	4.533	
8,600.0	8,570.0	8,568.2	8,513.9	31.2	30.8	111.49	278.0	521.9	290.4	229.4	60.95	4.764	
8,700.0	8,670.0	8,632.2	8,563.8	31.6	30.9	118.86	238.3	518.2	316.7	257.5	59.28	5.343	
8,800.0	8,770.0	8,685.5	8,601.8	31.9	30.9	125.10	201.1	514.7	357.2	300.9	56.28	6.346	
8,900.0	8,870.0	8,729.9	8,630.8	32.3	31.0	130.14	167.6	511.5	410.1	357.5	52.64	7.791	
9,000.0	8,970.0	8,767.1	8,652.9	32.6	31.0	134.15	137.9	508.7	473.0	424.0	48.97	9.657	
9,100.0	9,070.0	8,800.0	8,670.9	33.0	31.0	137.49	110.4	506.1	543.4	497.7	45.72	11.887	
9,200.0	9,170.0	8,825.0	8,683.5	33.3	31.0	139.89	88.9	504.1	619.6	576.9	42.72	14.503	
9,300.0	9,270.0	8,850.0	8,695.1	33.7	31.0	142.15	66.9	502.0	700.1	659.7	40.36	17.345	
9,400.0	9,370.0	8,867.5	8,702.6	34.0	31.0	143.66	51.2	500.5	783.8	745.6	38.19	20.522	
9,500.0	9,470.0	8,884.6	8,709.5	34.4	31.0	145.07	35.6	499.0	870.1	833.7	36.48	23.854	
9,600.0	9,570.0	8,900.0	8,715.3	34.7	31.0	146.29	21.4	497.7	958.5	923.4	35.07	27.331	
9,700.0	9,670.0	8,900.0	8,715.3	35.1	31.0	146.29	21.4	497.7	1,048.6	1,015.1	33.47	31.334	
9,800.0	9,770.0	8,924.5	8,723.8	35.4	31.1	148.13	-1.5	495.5	1,139.6	1,106.7	32.90	34.639	
9,900.0	9,870.0	8,950.0	8,731.6	35.8	31.1	149.92	-25.7	493.2	1,232.2	1,199.7	32.50	37.909	
10,000.0	9,970.0	8,950.0	8,731.6	36.1	31.1	149.92	-25.7	493.2	1,325.1	1,293.6	31.58	41.963	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.0	10,070.0	8,950.0	8,731.6	36.5	31.1	149.92	-25.7	493.2	1,419.0	1,388.2	30.84	46.013	
10,200.0	10,170.0	8,950.0	8,731.6	36.8	31.1	149.92	-25.7	493.2	1,513.7	1,483.5	30.25	50.032	
10,300.0	10,270.0	8,967.8	8,736.3	37.2	31.1	151.09	-42.7	491.6	1,608.7	1,578.5	30.14	53.378	
10,400.0	10,370.0	8,974.2	8,737.9	37.5	31.1	151.50	-48.9	491.0	1,704.2	1,674.4	29.87	57.050	
10,500.0	10,470.0	8,980.1	8,739.3	37.9	31.1	151.87	-54.6	490.5	1,800.2	1,770.5	29.67	60.667	
10,600.0	10,570.0	9,000.0	8,743.6	38.2	31.1	153.07	-74.0	488.7	1,896.7	1,867.0	29.76	63.735	
10,700.0	10,670.0	9,000.0	8,743.6	38.6	31.1	153.07	-74.0	488.7	1,993.2	1,963.6	29.58	67.389	
10,800.0	10,770.0	9,000.0	8,743.6	38.9	31.1	153.07	-74.0	488.7	2,090.0	2,060.6	29.45	70.956	
10,900.0	10,870.0	9,000.0	8,743.6	39.3	31.1	153.07	-74.0	488.7	2,187.1	2,157.7	29.38	74.433	
11,000.0	10,970.0	9,000.0	8,743.6	39.6	31.1	153.07	-74.0	488.7	2,284.4	2,255.1	29.36	77.817	
11,100.0	11,070.0	9,000.0	8,743.6	40.0	31.1	153.07	-74.0	488.7	2,382.0	2,352.6	29.37	81.108	
11,200.0	11,170.0	9,000.0	8,743.6	40.3	31.1	153.07	-74.0	488.7	2,479.8	2,450.4	29.41	84.306	
11,300.0	11,270.0	9,000.0	8,743.6	40.7	31.1	153.07	-74.0	488.7	2,577.7	2,548.2	29.49	87.413	
11,400.0	11,370.0	9,000.0	8,743.6	41.0	31.1	153.07	-74.0	488.7	2,675.8	2,646.2	29.59	90.428	
11,500.0	11,470.0	9,020.0	8,747.2	41.4	31.2	154.21	-93.6	486.8	2,773.6	2,743.7	29.90	92.767	
11,600.0	11,570.0	9,022.8	8,747.7	41.8	31.2	154.36	-96.3	486.6	2,871.8	2,841.7	30.06	95.540	
11,700.0	11,670.0	9,025.3	8,748.1	42.1	31.2	154.50	-98.8	486.3	2,970.1	2,939.9	30.23	98.235	
11,800.0	11,770.0	9,027.8	8,748.4	42.5	31.2	154.64	-101.2	486.1	3,068.5	3,038.1	30.43	100.855	
11,900.0	11,870.0	9,050.0	8,751.4	42.8	31.2	155.80	-123.1	484.0	3,167.5	3,136.7	30.79	102.883	
12,000.0	11,970.0	9,050.0	8,751.4	43.2	31.2	155.80	-123.1	484.0	3,266.0	3,235.0	30.98	105.421	
12,091.0	12,061.0	9,050.0	8,751.4	43.5	31.2	155.80	-123.1	484.0	3,355.7	3,324.6	31.17	107.665	
12,100.0	12,070.0	9,050.0	8,751.4	43.5	31.2	-14.83	-123.1	484.0	3,364.6	3,333.4	31.19	107.885	
12,150.0	12,119.9	9,050.0	8,751.4	43.7	31.2	-10.05	-123.1	484.0	3,413.3	3,382.0	31.28	109.137	
12,200.0	12,169.3	9,050.0	8,751.4	43.8	31.2	-7.60	-123.1	484.0	3,461.0	3,429.7	31.34	110.426	
12,250.0	12,217.9	9,050.0	8,751.4	44.0	31.2	-6.13	-123.1	484.0	3,507.3	3,476.0	31.39	111.733	
12,300.0	12,265.4	9,050.0	8,751.4	44.1	31.2	-5.15	-123.1	484.0	3,552.0	3,520.6	31.42	113.045	
12,350.0	12,311.2	9,050.0	8,751.4	44.2	31.2	-4.46	-123.1	484.0	3,594.7	3,563.3	31.44	114.345	
12,400.0	12,355.2	9,050.0	8,751.4	44.3	31.2	-3.95	-123.1	484.0	3,635.2	3,603.8	31.44	115.619	
12,450.0	12,396.9	9,050.0	8,751.4	44.4	31.2	-3.57	-123.1	484.0	3,673.3	3,641.9	31.44	116.848	
12,500.0	12,436.1	9,050.0	8,751.4	44.5	31.2	-3.27	-123.1	484.0	3,708.8	3,677.4	31.43	118.015	
12,550.0	12,472.4	9,050.0	8,751.4	44.5	31.2	-3.03	-123.1	484.0	3,741.5	3,710.0	31.41	119.099	
12,600.0	12,505.6	9,050.0	8,751.4	44.6	31.2	-2.84	-123.1	484.0	3,771.1	3,739.7	31.40	120.081	
12,650.0	12,535.4	9,074.7	8,753.6	44.6	31.3	-2.58	-147.7	481.7	3,797.0	3,765.5	31.51	120.520	
12,700.0	12,561.6	9,100.0	8,754.8	44.7	31.3	-2.36	-172.8	479.3	3,820.3	3,788.7	31.60	120.886	
12,750.0	12,584.0	9,100.0	8,754.8	44.7	31.3	-2.28	-172.8	479.3	3,839.5	3,807.9	31.60	121.505	
12,800.0	12,602.4	9,100.0	8,754.8	44.7	31.3	-2.21	-172.8	479.3	3,855.2	3,823.6	31.61	121.948	
12,850.0	12,616.7	9,100.0	8,754.8	44.8	31.3	-2.17	-172.8	479.3	3,867.4	3,835.7	31.65	122.200	
12,900.0	12,626.7	9,100.0	8,754.8	44.9	31.3	-2.13	-172.8	479.3	3,875.9	3,844.1	31.70	122.248	
12,950.0	12,632.5	9,114.3	8,755.0	45.0	31.3	-2.07	-187.0	478.0	3,880.6	3,848.7	31.82	121.971	
12,991.0	12,634.0	9,125.1	8,755.0	45.1	31.4	-2.03	-197.8	477.0	3,881.6	3,849.6	31.92	121.613	
13,000.0	12,634.0	9,133.4	8,755.0	45.1	31.4	-2.00	-206.1	476.2	3,881.5	3,849.5	31.95	121.476	
13,100.0	12,634.0	9,227.4	8,755.0	45.4	31.7	-1.75	-299.8	469.6	3,880.9	3,848.5	32.39	119.815	
13,200.0	12,634.0	9,322.8	8,755.0	45.7	32.0	-1.59	-395.2	465.9	3,880.5	3,847.6	32.92	117.883	
13,300.0	12,634.0	9,419.6	8,755.0	46.0	32.4	-1.51	-491.9	465.4	3,880.4	3,846.8	33.53	115.722	
13,368.8	12,634.0	9,488.4	8,755.0	46.3	32.8	-1.50	-560.7	466.0	3,880.3	3,846.3	34.00	114.112	
13,400.0	12,634.0	9,519.6	8,755.0	46.4	33.0	-1.50	-591.9	466.2	3,880.3	3,846.1	34.23	113.359	
13,500.0	12,634.0	9,619.6	8,755.0	46.8	33.6	-1.50	-691.9	467.0	3,880.3	3,845.3	34.99	110.904	
13,600.0	12,634.0	9,719.6	8,755.0	47.3	34.2	-1.50	-791.9	467.8	3,880.3	3,844.5	35.80	108.393	
13,700.0	12,634.0	9,819.6	8,755.0	47.9	34.9	-1.50	-891.9	468.5	3,880.3	3,843.7	36.66	105.851	
13,800.0	12,634.0	9,919.6	8,755.0	48.4	35.7	-1.50	-991.9	469.3	3,880.3	3,842.8	37.56	103.303	
13,900.0	12,634.0	10,019.6	8,755.0	49.1	36.6	-1.50	-1,091.9	470.1	3,880.3	3,841.8	38.51	100.766	
14,000.0	12,634.0	10,119.6	8,755.0	49.7	37.5	-1.50	-1,191.9	470.8	3,880.3	3,840.8	39.49	98.255	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,100.0	12,634.0	10,219.6	8,755.0	50.5	38.4	-1.50	-1,291.9	471.6	3,880.3	3,839.8	40.51	95.783	
14,200.0	12,634.0	10,319.6	8,755.0	51.2	39.4	-1.50	-1,391.9	472.4	3,880.3	3,838.8	41.56	93.360	
14,300.0	12,634.0	10,419.6	8,755.0	52.0	40.4	-1.50	-1,491.9	473.1	3,880.3	3,837.7	42.64	90.992	
14,400.0	12,634.0	10,519.6	8,755.0	52.9	41.5	-1.50	-1,591.9	473.9	3,880.3	3,836.6	43.75	88.685	
14,500.0	12,634.0	10,619.6	8,755.0	53.8	42.6	-1.50	-1,691.9	474.7	3,880.3	3,835.4	44.89	86.442	
14,600.0	12,634.0	10,719.6	8,755.0	54.7	43.8	-1.50	-1,791.9	475.4	3,880.3	3,834.3	46.05	84.266	
14,700.0	12,634.0	10,819.6	8,755.0	55.7	44.9	-1.50	-1,891.9	476.2	3,880.3	3,833.1	47.23	82.159	
14,800.0	12,634.0	10,919.6	8,755.0	56.6	46.1	-1.50	-1,991.9	477.0	3,880.3	3,831.9	48.43	80.120	
14,900.0	12,634.0	11,019.6	8,755.0	57.7	47.4	-1.50	-2,091.9	477.7	3,880.3	3,830.7	49.65	78.150	
15,000.0	12,634.0	11,119.6	8,755.0	58.7	48.6	-1.50	-2,191.9	478.5	3,880.3	3,829.4	50.89	76.248	
15,100.0	12,634.0	11,219.6	8,755.0	59.8	49.9	-1.50	-2,291.9	479.3	3,880.3	3,828.2	52.15	74.412	
15,200.0	12,634.0	11,319.6	8,755.0	60.9	51.2	-1.50	-2,391.9	480.0	3,880.3	3,826.9	53.42	72.641	
15,300.0	12,634.0	11,419.6	8,755.0	62.0	52.5	-1.50	-2,491.9	480.8	3,880.3	3,825.6	54.70	70.934	
15,400.0	12,634.0	11,519.6	8,755.0	63.1	53.9	-1.50	-2,591.9	481.6	3,880.3	3,824.3	56.00	69.288	
15,500.0	12,634.0	11,619.6	8,755.0	64.3	55.2	-1.50	-2,691.9	482.3	3,880.3	3,823.0	57.31	67.702	
15,600.0	12,634.0	11,719.6	8,755.0	65.5	56.6	-1.50	-2,791.9	483.1	3,880.3	3,821.7	58.64	66.174	
15,700.0	12,634.0	11,819.6	8,755.0	66.7	58.0	-1.50	-2,891.9	483.9	3,880.3	3,820.4	59.97	64.701	
15,800.0	12,634.0	11,919.6	8,755.0	67.9	59.4	-1.50	-2,991.9	484.7	3,880.3	3,819.0	61.32	63.281	
15,900.0	12,634.0	12,019.6	8,755.0	69.2	60.8	-1.50	-3,091.9	485.4	3,880.3	3,817.6	62.67	61.912	
16,000.0	12,634.0	12,119.6	8,755.0	70.4	62.2	-1.50	-3,191.9	486.2	3,880.3	3,816.3	64.04	60.593	
16,100.0	12,634.0	12,219.6	8,755.0	71.7	63.6	-1.50	-3,291.8	487.0	3,880.3	3,814.9	65.41	59.321	
16,200.0	12,634.0	12,319.6	8,755.0	73.0	65.1	-1.50	-3,391.8	487.7	3,880.3	3,813.5	66.79	58.094	
16,300.0	12,634.0	12,419.6	8,755.0	74.3	66.5	-1.50	-3,491.8	488.5	3,880.3	3,812.1	68.18	56.910	
16,400.0	12,634.0	12,519.6	8,755.0	75.6	68.0	-1.50	-3,591.8	489.3	3,880.3	3,810.7	69.58	55.767	
16,500.0	12,634.0	12,619.6	8,755.0	77.0	69.5	-1.50	-3,691.8	490.0	3,880.3	3,809.3	70.98	54.664	
16,600.0	12,634.0	12,719.6	8,755.0	78.3	70.9	-1.50	-3,791.8	490.8	3,880.3	3,807.9	72.39	53.599	
16,700.0	12,634.0	12,819.6	8,755.0	79.7	72.4	-1.50	-3,891.8	491.6	3,880.3	3,806.5	73.81	52.571	
16,800.0	12,634.0	12,919.6	8,755.0	81.0	73.9	-1.50	-3,991.8	492.3	3,880.3	3,805.1	75.23	51.577	
16,900.0	12,634.0	13,019.6	8,755.0	82.4	75.4	-1.50	-4,091.8	493.1	3,880.3	3,803.7	76.66	50.616	
17,000.0	12,634.0	13,119.6	8,755.0	83.8	76.9	-1.50	-4,191.8	493.9	3,880.3	3,802.2	78.09	49.687	
17,100.0	12,634.0	13,219.6	8,755.0	85.2	78.4	-1.49	-4,291.8	494.6	3,880.3	3,800.8	79.53	48.789	
17,200.0	12,634.0	13,319.6	8,755.0	86.6	79.9	-1.49	-4,391.8	495.4	3,880.3	3,799.3	80.98	47.919	
17,300.0	12,634.0	13,419.6	8,755.0	88.0	81.5	-1.49	-4,491.8	496.2	3,880.3	3,797.9	82.42	47.078	
17,400.0	12,634.0	13,519.6	8,755.0	89.4	83.0	-1.49	-4,591.8	496.9	3,880.3	3,796.4	83.88	46.263	
17,500.0	12,634.0	13,619.6	8,755.0	90.9	84.5	-1.49	-4,691.8	497.7	3,880.3	3,795.0	85.33	45.474	
17,600.0	12,634.0	13,719.6	8,755.0	92.3	86.1	-1.49	-4,791.8	498.5	3,880.3	3,793.5	86.79	44.709	
17,700.0	12,634.0	13,819.6	8,755.0	93.8	87.6	-1.49	-4,891.8	499.2	3,880.3	3,792.1	88.25	43.968	
17,800.0	12,634.0	13,919.6	8,755.0	95.2	89.1	-1.49	-4,991.8	500.0	3,880.3	3,790.6	89.72	43.249	
17,900.0	12,634.0	14,019.6	8,755.0	96.7	90.7	-1.49	-5,091.8	500.8	3,880.3	3,789.1	91.19	42.552	
18,000.0	12,634.0	14,119.6	8,755.0	98.1	92.2	-1.49	-5,191.8	501.6	3,880.3	3,787.7	92.66	41.875	
18,100.0	12,634.0	14,219.6	8,755.0	99.6	93.8	-1.49	-5,291.8	502.3	3,880.3	3,786.2	94.14	41.218	
18,200.0	12,634.0	14,319.6	8,755.0	101.1	95.3	-1.49	-5,391.8	503.1	3,880.3	3,784.7	95.62	40.580	
18,300.0	12,634.0	14,419.6	8,755.0	102.6	96.9	-1.49	-5,491.8	503.9	3,880.3	3,783.2	97.10	39.961	
18,400.0	12,634.0	14,519.6	8,755.0	104.1	98.5	-1.49	-5,591.8	504.6	3,880.3	3,781.7	98.59	39.359	
18,500.0	12,634.0	14,619.6	8,755.0	105.6	100.0	-1.49	-5,691.8	505.4	3,880.3	3,780.2	100.08	38.774	
18,600.0	12,634.0	14,719.6	8,755.0	107.0	101.6	-1.49	-5,791.8	506.2	3,880.3	3,778.8	101.57	38.205	
18,700.0	12,634.0	14,819.6	8,755.0	108.5	103.2	-1.49	-5,891.8	506.9	3,880.3	3,777.3	103.06	37.652	
18,800.0	12,634.0	14,919.6	8,755.0	110.1	104.7	-1.49	-5,991.8	507.7	3,880.3	3,775.8	104.55	37.114	
18,900.0	12,634.0	15,019.6	8,755.0	111.6	106.3	-1.49	-6,091.8	508.5	3,880.3	3,774.3	106.05	36.590	
19,000.0	12,634.0	15,119.6	8,755.0	113.1	107.9	-1.49	-6,191.8	509.2	3,880.3	3,772.8	107.55	36.080	
19,100.0	12,634.0	15,219.6	8,755.0	114.6	109.5	-1.49	-6,291.8	510.0	3,880.3	3,771.3	109.05	35.583	
19,200.0	12,634.0	15,319.6	8,755.0	116.1	111.1	-1.49	-6,391.8	510.8	3,880.3	3,769.8	110.55	35.100	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #106H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,300.0	12,634.0	15,419.6	8,755.0	117.6	112.6	-1.49	-6,491.8	511.5	3,880.3	3,768.3	112.06	34.628		
19,400.0	12,634.0	15,519.6	8,755.0	119.2	114.2	-1.49	-6,591.8	512.3	3,880.3	3,766.8	113.56	34.169		
19,500.0	12,634.0	15,619.6	8,755.0	120.7	115.8	-1.49	-6,691.7	513.1	3,880.3	3,765.2	115.07	33.721		
19,600.0	12,634.0	15,719.6	8,755.0	122.2	117.4	-1.49	-6,791.7	513.8	3,880.3	3,763.7	116.58	33.285		
19,700.0	12,634.0	15,819.6	8,755.0	123.8	119.0	-1.49	-6,891.7	514.6	3,880.3	3,762.2	118.09	32.859		
19,800.0	12,634.0	15,919.6	8,755.0	125.3	120.6	-1.49	-6,991.7	515.4	3,880.3	3,760.7	119.60	32.443		
19,900.0	12,634.0	16,019.6	8,755.0	126.9	122.2	-1.49	-7,091.7	516.2	3,880.3	3,759.2	121.12	32.037		
20,000.0	12,634.0	16,119.6	8,755.0	128.4	123.8	-1.49	-7,191.7	516.9	3,880.3	3,757.7	122.63	31.642		
20,100.0	12,634.0	16,219.6	8,755.0	130.0	125.4	-1.49	-7,291.7	517.7	3,880.3	3,756.2	124.15	31.255		
20,200.0	12,634.0	16,319.6	8,755.0	131.5	127.0	-1.49	-7,391.7	518.5	3,880.3	3,754.6	125.67	30.877		
20,300.0	12,634.0	16,419.6	8,755.0	133.1	128.6	-1.49	-7,491.7	519.2	3,880.3	3,753.1	127.19	30.508		
20,400.0	12,634.0	16,519.6	8,755.0	134.6	130.2	-1.49	-7,591.7	520.0	3,880.3	3,751.6	128.71	30.148		
20,500.0	12,634.0	16,619.6	8,755.0	136.2	131.8	-1.49	-7,691.7	520.8	3,880.3	3,750.1	130.23	29.796		
20,600.0	12,634.0	16,719.6	8,755.0	137.7	133.4	-1.49	-7,791.7	521.5	3,880.3	3,748.6	131.75	29.451		
20,700.0	12,634.0	16,819.6	8,755.0	139.3	135.0	-1.49	-7,891.7	522.3	3,880.3	3,747.0	133.28	29.114		
20,800.0	12,634.0	16,919.6	8,755.0	140.9	136.6	-1.49	-7,991.7	523.1	3,880.3	3,745.5	134.80	28.785		
20,900.0	12,634.0	17,019.6	8,755.0	142.4	138.2	-1.49	-8,091.7	523.8	3,880.3	3,744.0	136.33	28.463		
21,000.0	12,634.0	17,119.6	8,755.0	144.0	139.8	-1.49	-8,191.7	524.6	3,880.3	3,742.5	137.86	28.147		
21,100.0	12,634.0	17,219.6	8,755.0	145.6	141.4	-1.49	-8,291.7	525.4	3,880.3	3,740.9	139.39	27.839		
21,200.0	12,634.0	17,319.6	8,755.0	147.1	143.0	-1.49	-8,391.7	526.1	3,880.3	3,739.4	140.91	27.537		
21,300.0	12,634.0	17,419.6	8,755.0	148.7	144.6	-1.49	-8,491.7	526.9	3,880.3	3,737.9	142.45	27.241		
21,400.0	12,634.0	17,519.6	8,755.0	150.3	146.2	-1.49	-8,591.7	527.7	3,880.3	3,736.3	143.98	26.951		
21,500.0	12,634.0	17,619.6	8,755.0	151.9	147.8	-1.49	-8,691.7	528.4	3,880.3	3,734.8	145.51	26.667		
21,600.0	12,634.0	17,719.6	8,755.0	153.4	149.4	-1.49	-8,791.7	529.2	3,880.3	3,733.3	147.04	26.389		
21,700.0	12,634.0	17,819.6	8,755.0	155.0	151.1	-1.49	-8,891.7	530.0	3,880.3	3,731.7	148.57	26.117		
21,800.0	12,634.0	17,919.6	8,755.0	156.6	152.7	-1.49	-8,991.7	530.7	3,880.3	3,730.2	150.11	25.850		
21,900.0	12,634.0	18,019.6	8,755.0	158.2	154.3	-1.49	-9,091.7	531.5	3,880.3	3,728.7	151.64	25.588		
22,000.0	12,634.0	18,119.6	8,755.0	159.8	155.9	-1.49	-9,191.7	532.3	3,880.3	3,727.1	153.18	25.332		
22,100.0	12,634.0	18,219.6	8,755.0	161.4	157.5	-1.49	-9,291.7	533.1	3,880.3	3,725.6	154.72	25.080		
22,200.0	12,634.0	18,319.6	8,755.0	163.0	159.1	-1.49	-9,391.7	533.8	3,880.3	3,724.1	156.25	24.834		
22,300.0	12,634.0	18,419.6	8,755.0	164.5	160.8	-1.49	-9,491.7	534.6	3,880.3	3,722.5	157.79	24.592		
22,400.0	12,634.0	18,519.6	8,755.0	166.1	162.4	-1.49	-9,591.7	535.4	3,880.3	3,721.0	159.33	24.354		
22,500.0	12,634.0	18,619.6	8,755.0	167.7	164.0	-1.49	-9,691.7	536.1	3,880.3	3,719.4	160.87	24.121		
22,600.0	12,634.0	18,719.6	8,755.0	169.3	165.6	-1.49	-9,791.7	536.9	3,880.3	3,717.9	162.41	23.892		
22,700.0	12,634.0	18,819.6	8,755.0	170.9	167.2	-1.49	-9,891.7	537.7	3,880.3	3,716.4	163.95	23.668		
22,796.3	12,634.0	18,915.9	8,755.0	172.4	168.8	-1.49	-9,988.0	538.4	3,880.3	3,714.9	165.43	23.456		
22,796.7	12,634.0	18,916.3	8,755.0	172.5	168.8	-1.49	-9,988.3	538.4	3,880.3	3,714.9	165.44	23.455		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	80.61	31.4	189.8	192.4					
100.0	100.0	100.0	100.0	0.1	0.1	80.61	31.4	189.8	192.4	192.1	0.26	750.492		
200.0	200.0	200.0	200.0	0.5	0.5	80.61	31.4	189.8	192.4	191.4	0.97	197.644		
300.0	300.0	300.0	300.0	0.8	0.8	80.61	31.4	189.8	192.4	190.7	1.69	113.808		
400.0	400.0	400.0	400.0	1.2	1.2	80.61	31.4	189.8	192.4	189.9	2.41	79.911		
500.0	500.0	500.0	500.0	1.6	1.6	80.61	31.4	189.8	192.4	189.2	3.12	61.572		
600.0	600.0	600.0	600.0	1.9	1.9	80.61	31.4	189.8	192.4	188.5	3.84	50.080		
700.0	700.0	700.0	700.0	2.3	2.3	80.61	31.4	189.8	192.4	187.8	4.56	42.202		
800.0	800.0	800.0	800.0	2.6	2.6	80.61	31.4	189.8	192.4	187.1	5.27	36.466		
900.0	900.0	900.0	900.0	3.0	3.0	80.61	31.4	189.8	192.4	186.4	5.99	32.103		
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	80.61	31.4	189.8	192.4	185.6	6.71	28.672		
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	80.61	31.4	189.8	192.4	184.9	7.43	25.904		
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	80.61	31.4	189.8	192.4	184.2	8.14	23.623		
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	80.61	31.4	189.8	192.4	183.5	8.86	21.712		
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	80.61	31.4	189.8	192.4	182.8	9.58	20.086		
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	80.61	31.4	189.8	192.4	182.1	10.29	18.687		
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	46.92	31.4	189.8	191.8	180.8	11.01	17.419		
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	47.51	31.4	189.8	190.0	178.3	11.72	16.206		
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	48.51	31.4	189.8	187.1	174.6	12.44	15.041		
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	49.97	31.4	189.8	183.1	169.9	13.15	13.919		
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	51.94	31.4	189.8	178.1	164.2	13.87	12.843		
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	54.49	31.4	189.8	172.4	157.8	14.59	11.815		
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	57.71	31.4	189.8	166.0	150.7	15.31	10.842		
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	61.71	31.4	189.8	159.4	143.3	16.04	9.936		
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	66.26	31.4	189.8	153.2	136.5	16.78	9.133		
2,500.0	2,495.5	2,504.5	2,495.5	8.8	8.7	71.15	31.4	189.8	148.1	130.6	17.52	8.454		
2,600.0	2,594.5	2,605.5	2,594.5	9.2	9.1	76.34	31.4	189.8	144.2	125.9	18.27	7.893		
2,700.0	2,693.5	2,706.5	2,693.5	9.6	9.5	81.78	31.4	189.8	141.5	122.5	19.02	7.440		
2,800.0	2,792.5	2,807.5	2,792.5	9.9	9.8	87.36	31.4	189.8	140.2	120.4	19.78	7.089		
2,846.9	2,838.9	2,838.9	2,838.9	10.1	9.9	90.00	31.4	189.8	140.0	120.0	20.07	6.976 CC		
2,900.0	2,891.6	2,908.4	2,891.6	10.3	10.2	92.99	31.4	189.8	140.2	119.7	20.53	6.830		
3,000.0	2,990.6	2,990.6	2,990.6	10.7	10.5	98.57	31.4	189.8	141.7	120.4	21.22	6.676		
3,100.0	3,089.6	3,091.9	3,091.9	11.1	10.9	104.10	31.9	189.3	143.7	121.7	21.97	6.541		
3,200.0	3,188.6	3,193.6	3,193.5	11.5	11.2	109.48	33.9	187.7	145.2	122.5	22.71	6.396		
3,300.0	3,287.7	3,295.3	3,295.1	11.9	11.6	114.79	37.2	185.0	146.2	122.8	23.43	6.240		
3,400.0	3,386.7	3,396.9	3,396.6	12.3	11.9	120.15	42.0	181.1	146.7	122.6	24.15	6.075		
3,500.0	3,485.7	3,498.4	3,497.8	12.7	12.3	125.64	48.1	176.0	146.8	121.9	24.86	5.905		
3,600.0	3,584.8	3,599.8	3,598.7	13.1	12.7	131.35	55.6	169.9	146.5	121.0	25.56	5.734		
3,700.0	3,683.8	3,701.0	3,699.2	13.5	13.0	137.36	64.5	162.6	146.2	119.9	26.24	5.570		
3,799.9	3,782.7	3,801.7	3,799.1	13.9	13.4	143.71	74.6	154.2	146.0	119.1	26.93	5.421		
3,800.0	3,782.8	3,801.8	3,799.2	13.9	13.4	143.72	74.7	154.2	146.0	119.1	26.93	5.421 ES		
3,900.0	3,881.8	3,900.4	3,896.8	14.3	13.8	150.09	85.3	145.5	147.0	119.3	27.64	5.317		
4,000.0	3,980.9	4,001.0	3,994.5	14.7	14.1	156.32	95.9	136.8	149.8	121.4	28.36	5.281 SF		
4,100.0	4,079.9	4,102.4	4,092.1	15.1	14.5	162.25	106.5	128.1	154.3	125.2	29.08	5.306		
4,200.0	4,178.9	4,203.8	4,189.8	15.5	14.9	167.80	117.1	119.4	160.4	130.6	29.81	5.381		
4,300.0	4,277.9	4,305.1	4,287.4	16.0	15.3	172.90	127.7	110.7	167.9	137.4	30.54	5.499		
4,400.0	4,377.0	4,406.5	4,385.1	16.4	15.7	177.55	138.3	102.0	176.7	145.4	31.28	5.649		
4,500.0	4,476.0	4,492.1	4,482.8	16.8	16.0	-178.27	148.9	93.3	186.5	154.6	31.97	5.834		
4,600.0	4,575.0	4,609.3	4,580.4	17.2	16.4	-174.51	159.5	84.6	197.3	164.5	32.79	6.017		
4,700.0	4,674.0	4,689.3	4,678.1	17.6	16.7	-171.15	170.1	75.8	208.8	175.3	33.47	6.238		
4,800.0	4,773.1	4,788.0	4,775.8	18.0	17.1	-168.14	180.7	67.1	220.9	186.7	34.22	6.455		
4,900.0	4,872.1	4,886.6	4,873.4	18.4	17.5	-165.45	191.3	58.4	233.6	198.6	34.98	6.678		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,941.9	4,913.6	4,927.9	4,914.3	18.6	17.7	-164.41	195.8	54.8	239.0	203.7	35.30	6.772	
5,000.0	4,971.2	4,985.2	4,971.1	18.8	17.9	-163.04	201.9	49.7	246.3	210.6	35.74	6.891	
5,100.0	5,070.6	5,084.1	5,069.0	19.2	18.3	-160.72	212.6	41.0	257.2	220.7	36.50	7.046	
5,200.0	5,170.2	5,183.1	5,167.0	19.6	18.7	-158.38	223.2	32.2	266.0	228.8	37.26	7.139	
5,300.0	5,270.0	5,282.2	5,265.2	19.9	19.0	-155.98	233.9	23.5	273.0	234.9	38.03	7.178	
5,400.0	5,370.0	5,381.3	5,363.3	20.3	19.4	-153.45	244.5	14.7	278.0	239.2	38.78	7.168	
5,475.2	5,445.2	5,455.8	5,437.1	20.6	19.7	-117.56	252.6	8.2	280.6	241.3	39.35	7.132	
5,500.0	5,470.0	5,480.3	5,461.4	20.6	19.8	-116.88	255.2	6.0	281.4	241.8	39.54	7.117	
5,600.0	5,570.0	5,579.4	5,559.5	21.0	20.2	-114.17	265.8	-2.8	284.8	244.5	40.29	7.068	
5,700.0	5,670.0	5,678.4	5,657.5	21.3	20.6	-111.53	276.5	-11.5	288.7	247.7	41.04	7.037	
5,800.0	5,770.0	5,777.4	5,755.6	21.6	21.0	-108.96	287.1	-20.3	293.4	251.6	41.78	7.021	
5,900.0	5,870.0	5,876.5	5,853.6	22.0	21.4	-106.48	297.8	-29.0	298.5	256.0	42.52	7.021	
6,000.0	5,970.0	5,975.5	5,951.7	22.3	21.8	-104.08	308.5	-37.7	304.3	261.0	43.26	7.033	
6,100.0	6,070.0	6,074.5	6,049.8	22.7	22.2	-101.78	319.1	-46.5	310.5	266.5	44.00	7.058	
6,200.0	6,170.0	6,173.5	6,147.8	23.0	22.6	-99.57	329.8	-55.2	317.3	272.5	44.73	7.093	
6,300.0	6,270.0	6,272.6	6,245.9	23.3	23.0	-97.45	340.4	-64.0	324.5	279.0	45.46	7.137	
6,400.0	6,370.0	6,372.3	6,344.6	23.7	23.4	-95.41	351.1	-72.8	332.1	285.9	46.20	7.188	
6,500.0	6,470.0	6,476.8	6,448.4	24.0	23.8	-93.62	361.0	-80.9	339.1	292.1	46.99	7.216	
6,600.0	6,570.0	6,582.0	6,553.1	24.3	24.2	-92.28	368.7	-87.2	344.7	297.0	47.77	7.216	
6,700.0	6,670.0	6,687.6	6,658.5	24.7	24.6	-91.35	374.2	-91.7	348.8	300.3	48.54	7.187	
6,800.0	6,770.0	6,793.5	6,764.3	25.0	25.0	-90.81	377.4	-94.4	351.3	302.0	49.28	7.128	
6,900.0	6,870.0	6,900.8	6,870.0	25.4	25.3	-90.65	378.4	-95.2	352.0	302.0	50.01	7.040	
7,000.0	6,970.0	7,000.8	6,970.0	25.7	25.7	-90.65	378.4	-95.2	352.0	301.3	50.70	6.944	
7,100.0	7,070.0	7,100.8	7,070.0	26.1	26.0	-90.65	378.4	-95.2	352.0	300.6	51.39	6.850	
7,200.0	7,170.0	7,200.8	7,170.0	26.4	26.4	-90.65	378.4	-95.2	352.0	300.0	52.09	6.759	
7,300.0	7,270.0	7,300.8	7,270.0	26.7	26.7	-90.65	378.4	-95.2	352.0	299.3	52.78	6.670	
7,400.0	7,370.0	7,400.8	7,370.0	27.1	27.1	-90.65	378.4	-95.2	352.0	298.6	53.48	6.583	
7,500.0	7,470.0	7,500.8	7,470.0	27.4	27.4	-90.65	378.4	-95.2	352.0	297.9	54.17	6.499	
7,600.0	7,570.0	7,600.8	7,570.0	27.8	27.8	-90.65	378.4	-95.2	352.0	297.2	54.87	6.416	
7,700.0	7,670.0	7,700.8	7,670.0	28.1	28.1	-90.65	378.4	-95.2	352.0	296.5	55.56	6.336	
7,800.0	7,770.0	7,800.8	7,770.0	28.5	28.4	-90.65	378.4	-95.2	352.0	295.8	56.26	6.257	
7,900.0	7,870.0	7,900.8	7,870.0	28.8	28.8	-90.65	378.4	-95.2	352.0	295.1	56.96	6.181	
8,000.0	7,970.0	8,000.8	7,970.0	29.2	29.1	-90.65	378.4	-95.2	352.0	294.4	57.66	6.106	
8,100.0	8,070.0	8,100.8	8,070.0	29.5	29.5	-90.65	378.4	-95.2	352.0	293.7	58.36	6.033	
8,200.0	8,170.0	8,200.8	8,170.0	29.9	29.8	-90.65	378.4	-95.2	352.0	293.0	59.05	5.961	
8,300.0	8,270.0	8,300.8	8,270.0	30.2	30.2	-90.65	378.4	-95.2	352.0	292.3	59.75	5.892	
8,400.0	8,370.0	8,400.8	8,370.0	30.5	30.5	-90.65	378.4	-95.2	352.0	291.6	60.45	5.823	
8,500.0	8,470.0	8,500.8	8,470.0	30.9	30.9	-90.65	378.4	-95.2	352.0	290.9	61.15	5.757	
8,600.0	8,570.0	8,600.8	8,570.0	31.2	31.2	-90.65	378.4	-95.2	352.0	290.2	61.85	5.692	
8,700.0	8,670.0	8,700.8	8,670.0	31.6	31.6	-90.65	378.4	-95.2	352.0	289.5	62.55	5.628	
8,716.0	8,686.0	8,715.2	8,686.0	31.6	31.6	-90.65	378.4	-95.2	352.0	289.4	62.66	5.618	
8,800.0	8,770.0	8,799.0	8,769.8	31.9	31.9	-90.65	378.4	-95.2	352.0	288.8	63.25	5.566	
8,900.0	8,870.0	8,890.8	8,861.2	32.3	32.2	-91.87	370.8	-96.1	353.2	289.4	63.86	5.532	
9,000.0	8,970.0	8,978.0	8,945.8	32.6	32.4	-95.16	350.3	-98.5	357.6	293.3	64.31	5.561	
9,100.0	9,070.0	9,057.4	9,019.3	33.0	32.6	-99.74	320.7	-102.0	367.7	303.3	64.38	5.711	
9,200.0	9,170.0	9,127.4	9,080.2	33.3	32.7	-104.79	286.5	-106.1	386.0	322.3	63.74	6.056	
9,300.0	9,270.0	9,187.8	9,129.0	33.7	32.8	-109.65	251.2	-110.3	414.6	352.4	62.20	6.665	
9,400.0	9,370.0	9,239.4	9,167.6	34.0	32.9	-113.98	217.2	-114.4	453.9	394.1	59.85	7.585	
9,500.0	9,470.0	9,283.4	9,197.9	34.4	32.9	-117.68	185.6	-118.2	503.4	446.4	56.99	8.833	
9,600.0	9,570.0	9,320.8	9,221.7	34.7	33.0	-120.78	156.9	-121.6	561.5	507.6	53.97	10.405	
9,700.0	9,670.0	9,350.0	9,238.9	35.1	33.0	-123.13	133.5	-124.4	626.9	576.0	50.90	12.317	
9,800.0	9,770.0	9,380.3	9,255.5	35.4	33.0	-125.50	108.3	-127.4	698.1	649.8	48.34	14.442	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.0	9,870.0	9,400.0	9,265.6	35.8	33.0	-126.98	91.5	-129.4	774.0	728.2	45.76	16.915	
10,000.0	9,970.0	9,424.9	9,277.4	36.1	33.0	-128.79	69.8	-132.0	853.5	809.6	43.84	19.468	
10,100.0	10,070.0	9,450.0	9,288.4	36.5	33.0	-130.55	47.4	-134.6	936.1	893.8	42.30	22.132	
10,200.0	10,170.0	9,450.0	9,288.4	36.8	33.0	-130.55	47.4	-134.6	1,021.0	980.9	40.18	25.414	
10,300.0	10,270.0	9,473.4	9,297.8	37.2	33.0	-132.12	26.1	-137.2	1,107.8	1,068.7	39.18	28.275	
10,400.0	10,370.0	9,500.0	9,307.3	37.5	33.1	-133.82	1.4	-140.1	1,196.6	1,158.1	38.49	31.090	
10,500.0	10,470.0	9,500.0	9,307.3	37.9	33.1	-133.82	1.4	-140.1	1,286.2	1,249.0	37.21	34.567	
10,600.0	10,570.0	9,500.0	9,307.3	38.2	33.1	-133.82	1.4	-140.1	1,377.3	1,341.1	36.16	38.085	
10,700.0	10,670.0	9,517.1	9,312.9	38.6	33.1	-134.86	-14.6	-142.0	1,469.1	1,433.4	35.71	41.144	
10,800.0	10,770.0	9,525.5	9,315.4	38.9	33.1	-135.36	-22.6	-143.0	1,561.9	1,526.7	35.17	44.408	
10,900.0	10,870.0	9,550.0	9,322.1	39.3	33.1	-136.77	-46.0	-145.8	1,655.7	1,620.6	35.08	47.203	
11,000.0	10,970.0	9,550.0	9,322.1	39.6	33.1	-136.77	-46.0	-145.8	1,749.5	1,715.0	34.56	50.619	
11,100.0	11,070.0	9,550.0	9,322.1	40.0	33.1	-136.77	-46.0	-145.8	1,844.0	1,809.9	34.15	53.991	
11,200.0	11,170.0	9,550.0	9,322.1	40.3	33.1	-136.77	-46.0	-145.8	1,939.1	1,905.2	33.84	57.307	
11,300.0	11,270.0	9,550.0	9,322.1	40.7	33.1	-136.77	-46.0	-145.8	2,034.6	2,001.0	33.60	60.561	
11,400.0	11,370.0	9,550.0	9,322.1	41.0	33.1	-136.77	-46.0	-145.8	2,130.5	2,097.1	33.42	63.748	
11,500.0	11,470.0	9,550.0	9,322.1	41.4	33.1	-136.77	-46.0	-145.8	2,226.8	2,193.5	33.30	66.862	
11,600.0	11,570.0	9,572.7	9,327.5	41.8	33.2	-138.01	-67.9	-148.4	2,322.9	2,289.3	33.53	69.276	
11,700.0	11,670.0	9,576.9	9,328.4	42.1	33.2	-138.23	-71.9	-148.9	2,419.5	2,386.0	33.54	72.136	
11,800.0	11,770.0	9,600.0	9,332.7	42.5	33.3	-139.42	-94.5	-151.6	2,516.8	2,483.0	33.81	74.441	
11,900.0	11,870.0	9,600.0	9,332.7	42.8	33.3	-139.42	-94.5	-151.6	2,613.8	2,579.9	33.83	77.269	
12,000.0	11,970.0	9,600.0	9,332.7	43.2	33.3	-139.42	-94.5	-151.6	2,710.9	2,677.1	33.88	80.024	
12,091.0	12,061.0	9,600.0	9,332.7	43.5	33.3	-139.42	-94.5	-151.6	2,799.6	2,765.6	33.95	82.469	
12,100.0	12,070.0	9,600.0	9,332.7	43.5	33.3	45.79	-94.5	-151.6	2,808.3	2,774.3	33.95	82.708	
12,150.0	12,119.9	9,600.0	9,332.7	43.7	33.3	34.06	-94.5	-151.6	2,856.5	2,822.5	33.98	84.055	
12,200.0	12,169.3	9,600.0	9,332.7	43.8	33.3	26.75	-94.5	-151.6	2,903.8	2,869.8	34.00	85.416	
12,250.0	12,217.9	9,600.0	9,332.7	44.0	33.3	21.94	-94.5	-151.6	2,949.7	2,915.7	33.99	86.776	
12,300.0	12,265.4	9,600.0	9,332.7	44.1	33.3	18.60	-94.5	-151.6	2,994.1	2,960.1	33.98	88.121	
12,350.0	12,311.2	9,600.0	9,332.7	44.2	33.3	16.18	-94.5	-151.6	3,036.6	3,002.7	33.95	89.436	
12,400.0	12,355.2	9,600.0	9,332.7	44.3	33.3	14.36	-94.5	-151.6	3,077.1	3,043.2	33.92	90.707	
12,450.0	12,396.9	9,600.0	9,332.7	44.4	33.3	12.97	-94.5	-151.6	3,115.3	3,081.4	33.89	91.916	
12,500.0	12,436.1	9,622.2	9,336.0	44.5	33.3	11.93	-116.2	-154.1	3,150.5	3,116.4	34.02	92.605	
12,550.0	12,472.4	9,627.9	9,336.8	44.5	33.3	11.09	-121.9	-154.8	3,183.1	3,149.1	34.03	93.552	
12,600.0	12,505.6	9,650.0	9,339.0	44.6	33.4	10.47	-143.7	-157.4	3,213.2	3,179.0	34.14	94.123	
12,650.0	12,535.4	9,650.0	9,339.0	44.6	33.4	9.92	-143.7	-157.4	3,239.7	3,205.6	34.12	94.963	
12,700.0	12,561.6	9,650.0	9,339.0	44.7	33.4	9.47	-143.7	-157.4	3,263.0	3,228.9	34.11	95.658	
12,750.0	12,584.0	9,650.0	9,339.0	44.7	33.4	9.12	-143.7	-157.4	3,283.2	3,249.0	34.13	96.191	
12,800.0	12,602.4	9,650.0	9,339.0	44.7	33.4	8.84	-143.7	-157.4	3,299.9	3,265.7	34.18	96.547	
12,850.0	12,616.7	9,650.0	9,339.0	44.8	33.4	8.63	-143.7	-157.4	3,313.3	3,279.0	34.26	96.715	
12,900.0	12,626.7	9,674.6	9,340.5	44.9	33.5	8.58	-168.1	-160.3	3,322.5	3,288.1	34.45	96.451	
12,950.0	12,632.5	9,697.2	9,341.0	45.0	33.5	8.59	-190.5	-163.0	3,328.7	3,294.1	34.64	96.083	
12,991.0	12,634.0	9,697.2	9,341.0	45.1	33.5	8.56	-190.5	-163.0	3,330.7	3,295.9	34.77	95.791	
13,000.0	12,634.0	9,697.2	9,341.0	45.1	33.5	8.56	-190.5	-163.0	3,330.9	3,296.1	34.80	95.712	
13,100.0	12,634.0	9,747.6	9,341.0	45.4	33.7	8.81	-240.6	-168.5	3,333.9	3,298.6	35.30	94.445	
13,200.0	12,634.0	9,868.6	9,341.0	45.7	34.1	9.19	-361.2	-178.2	3,336.5	3,300.6	35.96	92.785	
13,300.0	12,634.0	9,991.5	9,341.0	46.0	34.7	9.40	-484.0	-182.8	3,337.9	3,301.3	36.65	91.075	
13,368.8	12,634.0	10,073.1	9,341.0	46.3	35.1	9.44	-565.7	-183.0	3,338.2	3,301.1	37.13	89.901	
13,400.0	12,634.0	10,104.4	9,341.0	46.4	35.2	9.44	-596.9	-182.7	3,338.2	3,300.8	37.34	89.396	
13,500.0	12,634.0	10,204.4	9,341.0	46.8	35.8	9.44	-696.9	-182.0	3,338.2	3,300.1	38.05	87.730	
13,600.0	12,634.0	10,304.4	9,341.0	47.3	36.4	9.44	-796.9	-181.2	3,338.2	3,299.4	38.82	85.999	
13,700.0	12,634.0	10,404.4	9,341.0	47.9	37.1	9.44	-896.9	-180.4	3,338.2	3,298.6	39.64	84.223	
13,800.0	12,634.0	10,504.4	9,341.0	48.4	37.9	9.44	-996.9	-179.7	3,338.2	3,297.7	40.50	82.419	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,900.0	12,634.0	10,604.4	9,341.0	49.1	38.7	9.44	-1,096.9	-178.9	3,338.2	3,296.8	41.42	80.601	
14,000.0	12,634.0	10,704.4	9,341.0	49.7	39.6	9.44	-1,196.9	-178.1	3,338.2	3,295.8	42.37	78.782	
14,100.0	12,634.0	10,804.4	9,341.0	50.5	40.5	9.44	-1,296.9	-177.4	3,338.2	3,294.8	43.37	76.972	
14,200.0	12,634.0	10,904.4	9,341.0	51.2	41.4	9.44	-1,396.9	-176.6	3,338.2	3,293.8	44.40	75.181	
14,300.0	12,634.0	11,004.4	9,341.0	52.0	42.4	9.44	-1,496.9	-175.8	3,338.2	3,292.7	45.47	73.415	
14,400.0	12,634.0	11,104.4	9,341.0	52.9	43.5	9.44	-1,596.9	-175.0	3,338.2	3,291.6	46.57	71.682	
14,500.0	12,634.0	11,204.4	9,341.0	53.8	44.5	9.44	-1,696.9	-174.3	3,338.2	3,290.5	47.70	69.984	
14,600.0	12,634.0	11,304.4	9,341.0	54.7	45.6	9.44	-1,796.9	-173.5	3,338.2	3,289.3	48.86	68.326	
14,700.0	12,634.0	11,404.4	9,341.0	55.7	46.8	9.44	-1,896.9	-172.7	3,338.2	3,288.2	50.04	66.710	
14,800.0	12,634.0	11,504.4	9,341.0	56.6	48.0	9.44	-1,996.9	-172.0	3,338.2	3,287.0	51.25	65.139	
14,900.0	12,634.0	11,604.4	9,341.0	57.7	49.2	9.44	-2,096.9	-171.2	3,338.2	3,285.7	52.48	63.612	
15,000.0	12,634.0	11,704.4	9,341.0	58.7	50.4	9.44	-2,196.9	-170.4	3,338.2	3,284.5	53.73	62.131	
15,100.0	12,634.0	11,804.4	9,341.0	59.8	51.6	9.44	-2,296.9	-169.7	3,338.2	3,283.2	55.00	60.695	
15,200.0	12,634.0	11,904.4	9,341.0	60.9	52.9	9.44	-2,396.9	-168.9	3,338.2	3,281.9	56.29	59.305	
15,300.0	12,634.0	12,004.4	9,341.0	62.0	54.2	9.44	-2,496.9	-168.1	3,338.2	3,280.6	57.59	57.961	
15,400.0	12,634.0	12,104.4	9,341.0	63.1	55.5	9.44	-2,596.9	-167.4	3,338.2	3,279.3	58.92	56.660	
15,500.0	12,634.0	12,204.4	9,341.0	64.3	56.8	9.44	-2,696.8	-166.6	3,338.2	3,278.0	60.25	55.402	
15,600.0	12,634.0	12,304.4	9,341.0	65.5	58.1	9.44	-2,796.8	-165.8	3,338.2	3,276.6	61.61	54.187	
15,700.0	12,634.0	12,404.4	9,341.0	66.7	59.5	9.44	-2,896.8	-165.1	3,338.2	3,275.2	62.97	53.013	
15,800.0	12,634.0	12,504.4	9,341.0	67.9	60.9	9.44	-2,996.8	-164.3	3,338.2	3,273.9	64.35	51.879	
15,900.0	12,634.0	12,604.4	9,341.0	69.2	62.3	9.44	-3,096.8	-163.5	3,338.2	3,272.5	65.74	50.783	
16,000.0	12,634.0	12,704.4	9,341.0	70.4	63.7	9.44	-3,196.8	-162.8	3,338.2	3,271.1	67.13	49.724	
16,100.0	12,634.0	12,804.4	9,341.0	71.7	65.1	9.44	-3,296.8	-162.0	3,338.2	3,269.7	68.54	48.702	
16,200.0	12,634.0	12,904.4	9,341.0	73.0	66.5	9.44	-3,396.8	-161.2	3,338.2	3,268.3	69.96	47.714	
16,300.0	12,634.0	13,004.4	9,341.0	74.3	67.9	9.44	-3,496.8	-160.5	3,338.2	3,266.8	71.39	46.759	
16,400.0	12,634.0	13,104.4	9,341.0	75.6	69.4	9.44	-3,596.8	-159.7	3,338.2	3,265.4	72.83	45.836	
16,500.0	12,634.0	13,204.4	9,341.0	77.0	70.8	9.44	-3,696.8	-158.9	3,338.2	3,264.0	74.28	44.944	
16,600.0	12,634.0	13,304.4	9,341.0	78.3	72.3	9.44	-3,796.8	-158.1	3,338.2	3,262.5	75.73	44.082	
16,700.0	12,634.0	13,404.4	9,341.0	79.7	73.7	9.44	-3,896.8	-157.4	3,338.2	3,261.0	77.19	43.248	
16,800.0	12,634.0	13,504.4	9,341.0	81.0	75.2	9.44	-3,996.8	-156.6	3,338.2	3,259.6	78.66	42.441	
16,900.0	12,634.0	13,604.4	9,341.0	82.4	76.7	9.44	-4,096.8	-155.8	3,338.2	3,258.1	80.13	41.660	
17,000.0	12,634.0	13,704.4	9,341.0	83.8	78.2	9.44	-4,196.8	-155.1	3,338.2	3,256.6	81.61	40.905	
17,100.0	12,634.0	13,804.4	9,341.0	85.2	79.7	9.44	-4,296.8	-154.3	3,338.2	3,255.1	83.10	40.173	
17,200.0	12,634.0	13,904.4	9,341.0	86.6	81.2	9.44	-4,396.8	-153.5	3,338.2	3,253.7	84.59	39.465	
17,300.0	12,634.0	14,004.4	9,341.0	88.0	82.7	9.44	-4,496.8	-152.8	3,338.2	3,252.2	86.08	38.779	
17,400.0	12,634.0	14,104.4	9,341.0	89.4	84.2	9.44	-4,596.8	-152.0	3,338.2	3,250.7	87.59	38.114	
17,500.0	12,634.0	14,204.4	9,341.0	90.9	85.7	9.44	-4,696.8	-151.2	3,338.2	3,249.2	89.09	37.470	
17,600.0	12,634.0	14,304.4	9,341.0	92.3	87.2	9.44	-4,796.8	-150.5	3,338.2	3,247.6	90.60	36.845	
17,700.0	12,634.0	14,404.4	9,341.0	93.8	88.7	9.44	-4,896.8	-149.7	3,338.3	3,246.1	92.12	36.239	
17,800.0	12,634.0	14,504.4	9,341.0	95.2	90.3	9.44	-4,996.8	-148.9	3,338.3	3,244.6	93.64	35.651	
17,900.0	12,634.0	14,604.4	9,341.0	96.7	91.8	9.44	-5,096.8	-148.2	3,338.3	3,243.1	95.16	35.080	
18,000.0	12,634.0	14,704.4	9,341.0	98.1	93.3	9.45	-5,196.8	-147.4	3,338.3	3,241.6	96.69	34.526	
18,100.0	12,634.0	14,804.4	9,341.0	99.6	94.9	9.45	-5,296.8	-146.6	3,338.3	3,240.0	98.22	33.988	
18,200.0	12,634.0	14,904.4	9,341.0	101.1	96.4	9.45	-5,396.8	-145.9	3,338.3	3,238.5	99.75	33.465	
18,300.0	12,634.0	15,004.4	9,341.0	102.6	98.0	9.45	-5,496.8	-145.1	3,338.3	3,237.0	101.29	32.957	
18,400.0	12,634.0	15,104.4	9,341.0	104.1	99.5	9.45	-5,596.8	-144.3	3,338.3	3,235.4	102.83	32.464	
18,500.0	12,634.0	15,204.4	9,341.0	105.6	101.1	9.45	-5,696.8	-143.5	3,338.3	3,233.9	104.37	31.983	
18,600.0	12,634.0	15,304.4	9,341.0	107.0	102.6	9.45	-5,796.8	-142.8	3,338.3	3,232.3	105.92	31.517	
18,700.0	12,634.0	15,404.4	9,341.0	108.5	104.2	9.45	-5,896.8	-142.0	3,338.3	3,230.8	107.47	31.062	
18,800.0	12,634.0	15,504.4	9,341.0	110.1	105.8	9.45	-5,996.8	-141.2	3,338.3	3,229.2	109.02	30.620	
18,900.0	12,634.0	15,604.4	9,341.0	111.6	107.3	9.45	-6,096.7	-140.5	3,338.3	3,227.7	110.58	30.190	
19,000.0	12,634.0	15,704.4	9,341.0	113.1	108.9	9.45	-6,196.7	-139.7	3,338.3	3,226.1	112.13	29.771	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #112H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,100.0	12,634.0	15,804.4	9,341.0	114.6	110.5	9.45	-6,296.7	-138.9	3,338.3	3,224.6	113.69	29.363		
19,200.0	12,634.0	15,904.4	9,341.0	116.1	112.0	9.45	-6,396.7	-138.2	3,338.3	3,223.0	115.25	28.965		
19,300.0	12,634.0	16,004.4	9,341.0	117.6	113.6	9.45	-6,496.7	-137.4	3,338.3	3,221.5	116.82	28.577		
19,400.0	12,634.0	16,104.4	9,341.0	119.2	115.2	9.45	-6,596.7	-136.6	3,338.3	3,219.9	118.38	28.199		
19,500.0	12,634.0	16,204.4	9,341.0	120.7	116.8	9.45	-6,696.7	-135.9	3,338.3	3,218.3	119.95	27.831		
19,600.0	12,634.0	16,304.4	9,341.0	122.2	118.3	9.45	-6,796.7	-135.1	3,338.3	3,216.8	121.52	27.472		
19,700.0	12,634.0	16,404.4	9,341.0	123.8	119.9	9.45	-6,896.7	-134.3	3,338.3	3,215.2	123.09	27.121		
19,800.0	12,634.0	16,504.4	9,341.0	125.3	121.5	9.45	-6,996.7	-133.6	3,338.3	3,213.6	124.66	26.779		
19,900.0	12,634.0	16,604.4	9,341.0	126.9	123.1	9.45	-7,096.7	-132.8	3,338.3	3,212.0	126.24	26.445		
20,000.0	12,634.0	16,704.4	9,341.0	128.4	124.7	9.45	-7,196.7	-132.0	3,338.3	3,210.5	127.81	26.119		
20,100.0	12,634.0	16,804.4	9,341.0	130.0	126.3	9.45	-7,296.7	-131.3	3,338.3	3,208.9	129.39	25.800		
20,200.0	12,634.0	16,904.4	9,341.0	131.5	127.9	9.45	-7,396.7	-130.5	3,338.3	3,207.3	130.97	25.489		
20,300.0	12,634.0	17,004.4	9,341.0	133.1	129.4	9.45	-7,496.7	-129.7	3,338.3	3,205.7	132.55	25.185		
20,400.0	12,634.0	17,104.4	9,341.0	134.6	131.0	9.45	-7,596.7	-129.0	3,338.3	3,204.2	134.13	24.888		
20,500.0	12,634.0	17,204.4	9,341.0	136.2	132.6	9.45	-7,696.7	-128.2	3,338.3	3,202.6	135.72	24.598		
20,600.0	12,634.0	17,304.4	9,341.0	137.7	134.2	9.45	-7,796.7	-127.4	3,338.3	3,201.0	137.30	24.314		
20,700.0	12,634.0	17,404.4	9,341.0	139.3	135.8	9.45	-7,896.7	-126.6	3,338.3	3,199.4	138.89	24.036		
20,800.0	12,634.0	17,504.4	9,341.0	140.9	137.4	9.45	-7,996.7	-125.9	3,338.3	3,197.8	140.47	23.765		
20,900.0	12,634.0	17,604.4	9,341.0	142.4	139.0	9.45	-8,096.7	-125.1	3,338.3	3,196.2	142.06	23.499		
21,000.0	12,634.0	17,704.4	9,341.0	144.0	140.6	9.45	-8,196.7	-124.3	3,338.3	3,194.7	143.65	23.239		
21,100.0	12,634.0	17,804.4	9,341.0	145.6	142.2	9.45	-8,296.7	-123.6	3,338.3	3,193.1	145.24	22.984		
21,200.0	12,634.0	17,904.4	9,341.0	147.1	143.8	9.45	-8,396.7	-122.8	3,338.3	3,191.5	146.83	22.735		
21,300.0	12,634.0	18,004.4	9,341.0	148.7	145.4	9.45	-8,496.7	-122.0	3,338.3	3,189.9	148.43	22.491		
21,400.0	12,634.0	18,104.4	9,341.0	150.3	147.0	9.45	-8,596.7	-121.3	3,338.3	3,188.3	150.02	22.252		
21,500.0	12,634.0	18,204.4	9,341.0	151.9	148.7	9.45	-8,696.7	-120.5	3,338.3	3,186.7	151.62	22.018		
21,600.0	12,634.0	18,304.4	9,341.0	153.4	150.3	9.45	-8,796.7	-119.7	3,338.3	3,185.1	153.21	21.789		
21,700.0	12,634.0	18,404.4	9,341.0	155.0	151.9	9.45	-8,896.7	-119.0	3,338.3	3,183.5	154.81	21.564		
21,800.0	12,634.0	18,504.4	9,341.0	156.6	153.5	9.45	-8,996.7	-118.2	3,338.3	3,181.9	156.41	21.344		
21,900.0	12,634.0	18,604.4	9,341.0	158.2	155.1	9.45	-9,096.7	-117.4	3,338.3	3,180.3	158.01	21.128		
22,000.0	12,634.0	18,704.4	9,341.0	159.8	156.7	9.45	-9,196.7	-116.7	3,338.3	3,178.7	159.60	20.916		
22,100.0	12,634.0	18,804.4	9,341.0	161.4	158.3	9.45	-9,296.7	-115.9	3,338.3	3,177.1	161.20	20.709		
22,200.0	12,634.0	18,904.4	9,341.0	163.0	159.9	9.45	-9,396.7	-115.1	3,338.3	3,175.5	162.81	20.505		
22,300.0	12,634.0	19,004.4	9,341.0	164.5	161.5	9.45	-9,496.6	-114.4	3,338.3	3,173.9	164.41	20.305		
22,400.0	12,634.0	19,104.4	9,341.0	166.1	163.1	9.45	-9,596.6	-113.6	3,338.3	3,172.3	166.01	20.109		
22,500.0	12,634.0	19,204.4	9,341.0	167.7	164.8	9.45	-9,696.6	-112.8	3,338.3	3,170.7	167.61	19.917		
22,600.0	12,634.0	19,304.4	9,341.0	169.3	166.4	9.45	-9,796.6	-112.1	3,338.3	3,169.1	169.22	19.728		
22,700.0	12,634.0	19,404.4	9,341.0	170.9	168.0	9.45	-9,896.6	-111.3	3,338.3	3,167.5	170.82	19.543		
22,796.3	12,634.0	19,500.7	9,341.0	172.4	169.5	9.45	-9,993.0	-110.5	3,338.3	3,166.0	172.37	19.367		
22,796.7	12,634.0	19,501.1	9,341.0	172.5	169.5	9.45	-9,993.3	-110.5	3,338.3	3,166.0	172.37	19.367		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	69.00	30.6	79.8	85.4				
100.0	100.0	100.0	100.0	0.1	0.1	69.00	30.6	79.8	85.4	85.2	0.26	333.298	
200.0	200.0	200.0	200.0	0.5	0.5	69.00	30.6	79.8	85.4	84.5	0.97	87.775	
300.0	300.0	300.0	300.0	0.8	0.8	69.00	30.6	79.8	85.4	83.7	1.69	50.543	
400.0	400.0	400.0	400.0	1.2	1.2	69.00	30.6	79.8	85.4	83.0	2.41	35.489	
500.0	500.0	500.0	500.0	1.6	1.6	69.00	30.6	79.8	85.4	82.3	3.12	27.345	
600.0	600.0	600.0	600.0	1.9	1.9	69.00	30.6	79.8	85.4	81.6	3.84	22.241	
700.0	700.0	700.0	700.0	2.3	2.3	69.00	30.6	79.8	85.4	80.9	4.56	18.742	
800.0	800.0	800.0	800.0	2.6	2.6	69.00	30.6	79.8	85.4	80.2	5.27	16.195	
900.0	900.0	900.0	900.0	3.0	3.0	69.00	30.6	79.8	85.4	79.4	5.99	14.257	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	69.00	30.6	79.8	85.4	78.7	6.71	12.734	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	69.00	30.6	79.8	85.4	78.0	7.43	11.504	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	69.00	30.6	79.8	85.4	77.3	8.14	10.491	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	69.00	30.6	79.8	85.4	76.6	8.86	9.642	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	69.00	30.6	79.8	85.4	75.9	9.58	8.920	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	69.00	30.6	79.8	85.4	75.1	10.29	8.299	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	35.45	30.6	79.8	84.7	73.7	11.01	7.695	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	36.52	30.6	79.8	82.6	70.9	11.72	7.046	
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	38.42	30.6	79.8	79.1	66.7	12.44	6.363	
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	41.37	30.6	79.8	74.4	61.3	13.15	5.660	
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	45.73	30.6	79.8	68.7	54.9	13.87	4.957	
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	52.07	30.6	79.8	62.4	47.8	14.59	4.279	
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	61.23	30.6	79.8	56.1	40.8	15.31	3.667	
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	74.11	30.6	79.8	51.1	35.1	16.05	3.185	
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	89.76	30.6	79.8	49.1	32.3	16.79	2.926	
2,401.5	2,397.9	2,402.1	2,397.9	8.4	8.4	90.00	30.6	79.8	49.1	32.3	16.79	2.926 CC, ES	
2,500.0	2,495.5	2,495.5	2,495.5	8.8	8.7	105.45	30.6	79.8	51.0	33.5	17.50	2.915 SF	
2,600.0	2,594.5	2,595.4	2,595.4	9.2	9.1	119.07	31.4	79.5	55.6	37.4	18.23	3.050	
2,700.0	2,693.5	2,695.6	2,695.6	9.6	9.4	130.16	33.8	78.8	61.0	42.1	18.94	3.222	
2,800.0	2,792.5	2,796.1	2,795.9	9.9	9.8	139.42	38.0	77.6	66.6	47.0	19.65	3.390	
2,900.0	2,891.6	2,896.6	2,896.3	10.3	10.2	147.49	43.8	76.0	72.0	51.6	20.35	3.537	
3,000.0	2,990.6	2,997.3	2,996.7	10.7	10.5	154.88	51.3	73.8	76.9	55.9	21.05	3.655	
3,100.0	3,089.6	3,097.9	3,096.8	11.1	10.9	161.92	60.6	71.1	81.5	59.8	21.75	3.748	
3,200.0	3,188.6	3,198.5	3,196.8	11.5	11.2	168.84	71.5	68.0	85.8	63.3	22.45	3.820	
3,300.0	3,287.7	3,299.0	3,296.4	11.9	11.6	175.81	84.1	64.4	89.9	66.8	23.17	3.881	
3,400.0	3,386.7	3,401.7	3,394.8	12.3	12.0	-177.56	97.4	60.6	94.7	70.8	23.92	3.959	
3,500.0	3,485.7	3,502.3	3,493.1	12.7	12.4	-171.64	110.6	56.7	100.6	76.0	24.67	4.079	
3,600.0	3,584.8	3,603.0	3,591.5	13.1	12.7	-166.42	123.9	52.9	107.5	82.1	25.43	4.227	
3,700.0	3,683.8	3,703.7	3,689.8	13.5	13.1	-161.86	137.2	49.1	115.2	89.0	26.20	4.396	
3,800.0	3,782.8	3,804.4	3,788.2	13.9	13.5	-157.88	150.5	45.3	123.5	96.5	26.98	4.578	
3,900.0	3,881.8	3,905.1	3,886.5	14.3	13.9	-154.42	163.8	41.4	132.3	104.6	27.75	4.768	
4,000.0	3,980.9	4,005.8	3,984.9	14.7	14.3	-151.39	177.0	37.6	141.6	113.1	28.54	4.962	
4,100.0	4,079.9	4,106.5	4,083.2	15.1	14.7	-148.74	190.3	33.8	151.2	121.9	29.32	5.157	
4,200.0	4,178.9	4,207.2	4,181.5	15.5	15.0	-146.42	203.6	30.0	161.1	131.0	30.11	5.350	
4,300.0	4,277.9	4,307.9	4,279.9	16.0	15.4	-144.36	216.9	26.2	171.2	140.3	30.90	5.541	
4,400.0	4,377.0	4,408.6	4,378.2	16.4	15.8	-142.53	230.2	22.3	181.5	149.8	31.69	5.728	
4,500.0	4,476.0	4,509.2	4,476.6	16.8	16.2	-140.90	243.5	18.5	192.0	159.5	32.48	5.911	
4,600.0	4,575.0	4,609.9	4,574.9	17.2	16.6	-139.44	256.7	14.7	202.6	169.3	33.27	6.088	
4,700.0	4,674.0	4,689.4	4,673.3	17.6	16.9	-138.13	270.0	10.9	213.3	179.3	33.98	6.277	
4,800.0	4,773.1	4,788.7	4,771.6	18.0	17.3	-136.94	283.3	7.1	224.1	189.4	34.77	6.446	
4,900.0	4,872.1	4,888.0	4,869.9	18.4	17.7	-135.86	296.6	3.2	235.0	199.5	35.56	6.609	
4,941.9	4,913.6	4,929.6	4,911.1	18.6	17.9	-135.44	302.2	1.6	239.6	203.7	35.90	6.676	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #122H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,971.2	4,987.3	4,968.3	18.8	18.1	-134.87	309.9	-0.6	245.7	209.4	36.36	6.759	
5,100.0	5,070.6	5,086.7	5,066.7	19.2	18.5	-133.61	323.2	-4.4	254.8	217.7	37.15	6.860	
5,200.0	5,170.2	5,186.2	5,165.2	19.6	18.9	-132.01	336.5	-8.2	262.3	224.4	37.93	6.916	
5,300.0	5,270.0	5,285.9	5,264.0	19.9	19.3	-130.09	349.7	-12.0	268.3	229.6	38.72	6.931	
5,400.0	5,370.0	5,386.7	5,364.1	20.3	19.7	-128.20	361.1	-15.3	272.6	233.1	39.49	6.903	
5,475.2	5,445.2	5,462.9	5,439.9	20.6	20.0	-92.98	368.1	-17.3	274.6	234.5	40.06	6.855	
5,500.0	5,470.0	5,488.0	5,464.9	20.6	20.1	-92.56	370.0	-17.9	275.1	234.8	40.25	6.835	
5,600.0	5,570.0	5,589.5	5,566.3	21.0	20.5	-91.23	376.4	-19.7	276.7	235.7	40.98	6.751	
5,700.0	5,670.0	5,691.4	5,668.1	21.3	20.8	-90.44	380.2	-20.8	277.7	236.0	41.71	6.658	
5,800.0	5,770.0	5,793.4	5,770.1	21.6	21.2	-90.20	381.4	-21.2	278.0	235.6	42.41	6.555	
5,831.7	5,801.7	5,825.0	5,801.7	21.7	21.3	-90.20	381.4	-21.2	278.0	235.4	42.63	6.522	
5,900.0	5,870.0	5,906.7	5,870.0	22.0	21.6	-90.20	381.4	-21.2	278.0	234.9	43.14	6.444	
6,000.0	5,970.0	6,006.7	5,970.0	22.3	21.9	-90.20	381.4	-21.2	278.0	234.2	43.83	6.343	
6,100.0	6,070.0	6,106.7	6,070.0	22.7	22.3	-90.20	381.4	-21.2	278.0	233.5	44.51	6.245	
6,200.0	6,170.0	6,206.7	6,170.0	23.0	22.6	-90.20	381.4	-21.2	278.0	232.8	45.20	6.150	
6,300.0	6,270.0	6,306.7	6,270.0	23.3	23.0	-90.20	381.4	-21.2	278.0	232.1	45.89	6.058	
6,400.0	6,370.0	6,406.7	6,370.0	23.7	23.3	-90.20	381.4	-21.2	278.0	231.4	46.58	5.968	
6,500.0	6,470.0	6,506.7	6,470.0	24.0	23.6	-90.20	381.4	-21.2	278.0	230.7	47.27	5.881	
6,600.0	6,570.0	6,606.7	6,570.0	24.3	24.0	-90.20	381.4	-21.2	278.0	230.0	47.96	5.796	
6,700.0	6,670.0	6,706.7	6,670.0	24.7	24.3	-90.20	381.4	-21.2	278.0	229.4	48.66	5.714	
6,800.0	6,770.0	6,806.7	6,770.0	25.0	24.7	-90.20	381.4	-21.2	278.0	228.7	49.35	5.633	
6,900.0	6,870.0	6,906.7	6,870.0	25.4	25.0	-90.20	381.4	-21.2	278.0	228.0	50.04	5.555	
7,000.0	6,970.0	7,006.7	6,970.0	25.7	25.4	-90.20	381.4	-21.2	278.0	227.3	50.74	5.479	
7,100.0	7,070.0	7,106.7	7,070.0	26.1	25.7	-90.20	381.4	-21.2	278.0	226.6	51.43	5.405	
7,200.0	7,170.0	7,206.7	7,170.0	26.4	26.1	-90.20	381.4	-21.2	278.0	225.9	52.13	5.333	
7,300.0	7,270.0	7,306.7	7,270.0	26.7	26.4	-90.20	381.4	-21.2	278.0	225.2	52.82	5.263	
7,400.0	7,370.0	7,406.7	7,370.0	27.1	26.8	-90.20	381.4	-21.2	278.0	224.5	53.52	5.194	
7,500.0	7,470.0	7,506.7	7,470.0	27.4	27.1	-90.20	381.4	-21.2	278.0	223.8	54.22	5.128	
7,600.0	7,570.0	7,606.7	7,570.0	27.8	27.5	-90.20	381.4	-21.2	278.0	223.1	54.92	5.062	
7,700.0	7,670.0	7,706.7	7,670.0	28.1	27.8	-90.20	381.4	-21.2	278.0	222.4	55.61	4.999	
7,800.0	7,770.0	7,806.7	7,770.0	28.5	28.2	-90.20	381.4	-21.2	278.0	221.7	56.31	4.937	
7,900.0	7,870.0	7,906.7	7,870.0	28.8	28.5	-90.20	381.4	-21.2	278.0	221.0	57.01	4.876	
8,000.0	7,970.0	8,006.7	7,970.0	29.2	28.9	-90.20	381.4	-21.2	278.0	220.3	57.71	4.817	
8,100.0	8,070.0	8,106.7	8,070.0	29.5	29.2	-90.20	381.4	-21.2	278.0	219.6	58.41	4.759	
8,200.0	8,170.0	8,206.7	8,170.0	29.9	29.6	-90.20	381.4	-21.2	278.0	218.9	59.11	4.703	
8,300.0	8,270.0	8,306.7	8,270.0	30.2	29.9	-90.20	381.4	-21.2	278.0	218.2	59.81	4.648	
8,400.0	8,370.0	8,406.7	8,370.0	30.5	30.3	-90.20	381.4	-21.2	278.0	217.5	60.51	4.594	
8,500.0	8,470.0	8,506.7	8,470.0	30.9	30.6	-90.20	381.4	-21.2	278.0	216.8	61.22	4.541	
8,600.0	8,570.0	8,606.7	8,570.0	31.2	31.0	-90.20	381.4	-21.2	278.0	216.1	61.92	4.490	
8,700.0	8,670.0	8,706.7	8,670.0	31.6	31.3	-90.20	381.4	-21.2	278.0	215.4	62.62	4.440	
8,800.0	8,770.0	8,806.7	8,770.0	31.9	31.7	-90.20	381.4	-21.2	278.0	214.7	63.32	4.390	
8,900.0	8,870.0	8,906.7	8,870.0	32.3	32.1	-90.20	381.4	-21.2	278.0	214.0	64.03	4.342	
9,000.0	8,970.0	9,006.7	8,970.0	32.6	32.4	-90.20	381.4	-21.2	278.0	213.3	64.73	4.295	
9,100.0	9,070.0	9,106.7	9,070.0	33.0	32.8	-90.20	381.4	-21.2	278.0	212.6	65.43	4.249	
9,200.0	9,170.0	9,206.7	9,170.0	33.3	33.1	-90.20	381.4	-21.2	278.0	211.9	66.14	4.204	
9,300.0	9,270.0	9,306.7	9,270.0	33.7	33.5	-90.20	381.4	-21.2	278.0	211.2	66.84	4.159	
9,400.0	9,370.0	9,393.6	9,370.3	34.0	33.8	-90.20	381.4	-21.2	278.0	210.5	67.50	4.119	
9,500.0	9,470.0	9,502.0	9,477.9	34.4	34.1	-92.41	370.7	-19.1	276.3	208.2	68.15	4.055	
9,600.0	9,570.0	9,602.9	9,574.7	34.7	34.3	-98.25	343.1	-13.9	273.6	204.9	68.72	3.981	
9,633.6	9,603.6	9,634.3	9,603.6	34.8	34.4	-100.80	331.1	-11.6	273.3	204.4	68.88	3.967	
9,700.0	9,670.0	9,691.7	9,654.7	35.1	34.5	-106.30	305.3	-6.6	275.0	205.9	69.03	3.983	
9,800.0	9,770.0	9,767.1	9,717.2	35.4	34.7	-114.84	264.0	1.2	286.6	218.3	68.30	4.196	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #122H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.0	9,870.0	9,829.8	9,764.6	35.8	34.8	-122.60	223.8	8.9	312.6	246.7	65.90	4.744	
10,000.0	9,970.0	9,881.6	9,800.2	36.1	34.9	-129.06	186.9	15.9	353.6	291.5	62.11	5.694	
10,100.0	10,070.0	9,924.5	9,827.1	36.5	34.9	-134.22	154.0	22.2	407.7	349.9	57.80	7.053	
10,200.0	10,170.0	9,960.2	9,847.4	36.8	35.0	-138.29	125.2	27.7	471.9	418.2	53.66	8.793	
10,300.0	10,270.0	9,990.1	9,863.1	37.2	35.0	-141.51	100.2	32.5	543.6	493.6	50.03	10.866	
10,400.0	10,370.0	10,015.5	9,875.3	37.5	35.1	-144.08	78.3	36.7	621.0	574.0	46.97	13.220	
10,500.0	10,470.0	10,037.2	9,884.9	37.9	35.1	-146.17	59.3	40.3	702.5	658.1	44.46	15.803	
10,600.0	10,570.0	10,050.0	9,890.3	38.2	35.1	-147.35	47.8	42.5	787.3	745.2	42.14	18.685	
10,700.0	10,670.0	10,072.1	9,898.9	38.6	35.2	-149.29	27.8	46.3	874.4	833.7	40.74	21.465	
10,800.0	10,770.0	10,086.3	9,904.0	38.9	35.2	-150.49	14.8	48.8	963.5	924.1	39.39	24.460	
10,900.0	10,870.0	10,100.0	9,908.6	39.3	35.2	-151.59	2.1	51.2	1,054.1	1,015.7	38.34	27.491	
11,000.0	10,970.0	10,100.0	9,908.6	39.6	35.2	-151.59	2.1	51.2	1,146.0	1,108.9	37.13	30.865	
11,100.0	11,070.0	10,120.0	9,914.8	40.0	35.3	-153.13	-16.5	54.8	1,238.7	1,201.9	36.74	33.718	
11,200.0	11,170.0	10,128.9	9,917.4	40.3	35.3	-153.79	-25.0	56.4	1,332.3	1,296.1	36.19	36.818	
11,300.0	11,270.0	10,150.0	9,922.9	40.7	35.3	-155.28	-44.9	60.2	1,426.9	1,390.8	36.06	39.568	
11,400.0	11,370.0	10,150.0	9,922.9	41.0	35.3	-155.28	-44.9	60.2	1,521.6	1,486.1	35.55	42.798	
11,500.0	11,470.0	10,150.0	9,922.9	41.4	35.3	-155.28	-44.9	60.2	1,617.0	1,581.9	35.17	45.972	
11,600.0	11,570.0	10,150.0	9,922.9	41.8	35.3	-155.28	-44.9	60.2	1,713.0	1,678.1	34.90	49.081	
11,700.0	11,670.0	10,150.0	9,922.9	42.1	35.3	-155.28	-44.9	60.2	1,809.3	1,774.6	34.71	52.121	
11,800.0	11,770.0	10,150.0	9,922.9	42.5	35.3	-155.28	-44.9	60.2	1,906.1	1,871.5	34.60	55.088	
11,900.0	11,870.0	10,172.6	9,927.9	42.8	35.4	-156.78	-66.6	64.3	2,002.6	1,967.7	34.86	57.440	
12,000.0	11,970.0	10,177.0	9,928.8	43.2	35.4	-157.06	-70.8	65.1	2,099.7	2,064.8	34.90	60.166	
12,091.0	12,061.0	10,180.7	9,929.5	43.5	35.4	-157.30	-74.4	65.8	2,188.2	2,153.3	34.96	62.595	
12,100.0	12,070.0	10,181.1	9,929.6	43.5	35.4	28.82	-74.8	65.9	2,197.0	2,162.0	34.97	62.833	
12,150.0	12,119.9	10,200.0	9,932.8	43.7	35.5	20.77	-93.0	69.3	2,245.3	2,210.1	35.18	63.817	
12,200.0	12,169.3	10,200.0	9,932.8	43.8	35.5	16.52	-93.0	69.3	2,292.1	2,257.0	35.13	65.244	
12,250.0	12,217.9	10,200.0	9,932.8	44.0	35.5	13.71	-93.0	69.3	2,337.5	2,302.4	35.05	66.682	
12,300.0	12,265.4	10,200.0	9,932.8	44.1	35.5	11.74	-93.0	69.3	2,381.1	2,346.2	34.96	68.116	
12,350.0	12,311.2	10,200.0	9,932.8	44.2	35.5	10.29	-93.0	69.3	2,422.8	2,388.0	34.85	69.531	
12,400.0	12,355.2	10,200.0	9,932.8	44.3	35.5	9.20	-93.0	69.3	2,462.4	2,427.6	34.73	70.908	
12,450.0	12,396.9	10,200.0	9,932.8	44.4	35.5	8.35	-93.0	69.3	2,499.6	2,465.0	34.61	72.231	
12,500.0	12,436.1	10,200.0	9,932.8	44.5	35.5	7.67	-93.0	69.3	2,534.3	2,499.8	34.49	73.479	
12,550.0	12,472.4	10,226.4	9,936.4	44.5	35.5	7.04	-118.8	74.3	2,565.6	2,531.0	34.57	74.221	
12,600.0	12,505.6	10,250.0	9,938.5	44.6	35.6	6.56	-141.8	78.7	2,594.6	2,560.0	34.61	74.968	
12,650.0	12,535.4	10,250.0	9,938.5	44.6	35.6	6.23	-141.8	78.7	2,620.1	2,585.6	34.50	75.937	
12,700.0	12,561.6	10,250.0	9,938.5	44.7	35.6	5.96	-141.8	78.7	2,642.5	2,608.1	34.43	76.757	
12,750.0	12,584.0	10,250.0	9,938.5	44.7	35.6	5.75	-141.8	78.7	2,661.7	2,627.3	34.39	77.409	
12,800.0	12,602.4	10,266.1	9,939.4	44.7	35.6	5.55	-157.6	81.7	2,677.5	2,643.0	34.44	77.751	
12,850.0	12,616.7	10,290.4	9,940.0	44.8	35.7	5.39	-181.4	86.2	2,690.0	2,655.5	34.53	77.910	
12,900.0	12,626.7	10,290.4	9,940.0	44.9	35.7	5.31	-181.4	86.2	2,698.7	2,664.1	34.58	78.035	
12,950.0	12,632.5	10,299.1	9,940.0	45.0	35.7	5.25	-190.0	87.8	2,703.9	2,669.2	34.70	77.926	
12,991.0	12,634.0	10,336.8	9,940.0	45.1	35.8	5.21	-227.1	94.5	2,705.2	2,670.3	34.85	77.626	
13,000.0	12,634.0	10,345.1	9,940.0	45.1	35.8	5.20	-235.3	95.9	2,705.2	2,670.3	34.88	77.550	
13,100.0	12,634.0	10,437.2	9,940.0	45.4	36.1	5.13	-326.3	110.0	2,704.8	2,669.6	35.29	76.649	
13,200.0	12,634.0	10,529.4	9,940.0	45.7	36.5	5.05	-417.8	121.2	2,704.5	2,668.8	35.76	75.638	
13,300.0	12,634.0	10,621.7	9,940.0	46.0	36.9	4.97	-509.8	129.4	2,704.2	2,667.9	36.28	74.531	
13,368.8	12,634.0	10,685.2	9,940.0	46.3	37.2	4.91	-573.2	133.3	2,703.9	2,667.2	36.68	73.722	
13,400.0	12,634.0	10,714.1	9,940.0	46.4	37.4	4.88	-602.0	134.6	2,703.8	2,667.0	36.87	73.342	
13,494.2	12,634.0	10,815.8	9,940.0	46.8	37.9	4.85	-688.7	136.8	2,703.7	2,666.1	37.54	72.026	
13,500.0	12,634.0	10,810.0	9,940.0	46.8	37.9	4.85	-694.5	136.9	2,703.7	2,666.2	37.53	72.045	
13,600.0	12,634.0	10,906.6	9,940.0	47.3	38.5	4.85	-794.5	137.6	2,703.7	2,665.4	38.24	70.705	
13,700.0	12,634.0	11,006.6	9,940.0	47.9	39.2	4.85	-894.5	138.4	2,703.7	2,664.7	39.02	69.297	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #122H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,800.0	12,634.0	11,106.6	9,940.0	48.4	39.9	4.85	-994.5	139.2	2,703.7	2,663.8	39.84	67.863	
13,900.0	12,634.0	11,206.6	9,940.0	49.1	40.7	4.85	-1,094.4	139.9	2,703.7	2,663.0	40.71	66.413	
14,000.0	12,634.0	11,306.6	9,940.0	49.7	41.5	4.85	-1,194.4	140.7	2,703.7	2,662.1	41.62	64.958	
14,100.0	12,634.0	11,406.6	9,940.0	50.5	42.4	4.85	-1,294.4	141.5	2,703.7	2,661.1	42.57	63.508	
14,200.0	12,634.0	11,506.6	9,940.0	51.2	43.3	4.85	-1,394.4	142.2	2,703.7	2,660.1	43.56	62.069	
14,300.0	12,634.0	11,606.6	9,940.0	52.0	44.3	4.85	-1,494.4	143.0	2,703.7	2,659.1	44.58	60.647	
14,400.0	12,634.0	11,706.6	9,940.0	52.9	45.3	4.85	-1,594.4	143.8	2,703.7	2,658.1	45.63	59.248	
14,500.0	12,634.0	11,806.6	9,940.0	53.8	46.4	4.85	-1,694.4	144.5	2,703.7	2,657.0	46.72	57.875	
14,600.0	12,634.0	11,906.6	9,940.0	54.7	47.4	4.85	-1,794.4	145.3	2,703.7	2,655.9	47.83	56.532	
14,700.0	12,634.0	12,006.6	9,940.0	55.7	48.5	4.85	-1,894.4	146.1	2,703.7	2,654.7	48.96	55.221	
14,800.0	12,634.0	12,106.6	9,940.0	56.6	49.7	4.85	-1,994.4	146.9	2,703.7	2,653.6	50.12	53.944	
14,900.0	12,634.0	12,206.6	9,940.0	57.7	50.9	4.85	-2,094.4	147.6	2,703.7	2,652.4	51.30	52.701	
15,000.0	12,634.0	12,306.6	9,940.0	58.7	52.1	4.85	-2,194.4	148.4	2,703.7	2,651.2	52.50	51.494	
15,100.0	12,634.0	12,406.6	9,940.0	59.8	53.3	4.85	-2,294.4	149.2	2,703.7	2,650.0	53.73	50.323	
15,200.0	12,634.0	12,506.6	9,940.0	60.9	54.5	4.85	-2,394.4	149.9	2,703.7	2,648.7	54.97	49.188	
15,300.0	12,634.0	12,606.6	9,940.0	62.0	55.8	4.85	-2,494.4	150.7	2,703.7	2,647.5	56.22	48.089	
15,400.0	12,634.0	12,706.6	9,940.0	63.1	57.1	4.85	-2,594.4	151.5	2,703.7	2,646.2	57.50	47.024	
15,500.0	12,634.0	12,806.6	9,940.0	64.3	58.4	4.85	-2,694.4	152.2	2,703.7	2,644.9	58.78	45.994	
15,600.0	12,634.0	12,906.6	9,940.0	65.5	59.7	4.85	-2,794.4	153.0	2,703.7	2,643.6	60.09	44.997	
15,700.0	12,634.0	13,006.6	9,940.0	66.7	61.0	4.85	-2,894.4	153.8	2,703.7	2,642.3	61.40	44.034	
15,800.0	12,634.0	13,106.6	9,940.0	67.9	62.4	4.85	-2,994.4	154.5	2,703.7	2,641.0	62.73	43.102	
15,900.0	12,634.0	13,206.6	9,940.0	69.2	63.7	4.85	-3,094.4	155.3	2,703.7	2,639.6	64.07	42.202	
16,000.0	12,634.0	13,306.6	9,940.0	70.4	65.1	4.85	-3,194.4	156.1	2,703.7	2,638.3	65.42	41.331	
16,100.0	12,634.0	13,406.6	9,940.0	71.7	66.5	4.85	-3,294.4	156.9	2,703.7	2,636.9	66.78	40.490	
16,200.0	12,634.0	13,506.6	9,940.0	73.0	67.9	4.85	-3,394.4	157.6	2,703.7	2,635.6	68.14	39.676	
16,300.0	12,634.0	13,606.6	9,940.0	74.3	69.3	4.85	-3,494.4	158.4	2,703.7	2,634.2	69.52	38.889	
16,400.0	12,634.0	13,706.6	9,940.0	75.6	70.7	4.85	-3,594.4	159.2	2,703.7	2,632.8	70.91	38.129	
16,500.0	12,634.0	13,806.6	9,940.0	77.0	72.2	4.85	-3,694.4	159.9	2,703.7	2,631.4	72.31	37.393	
16,600.0	12,634.0	13,906.6	9,940.0	78.3	73.6	4.85	-3,794.4	160.7	2,703.7	2,630.0	73.71	36.681	
16,700.0	12,634.0	14,006.6	9,940.0	79.7	75.1	4.86	-3,894.4	161.5	2,703.7	2,628.6	75.12	35.993	
16,800.0	12,634.0	14,106.6	9,940.0	81.0	76.5	4.86	-3,994.4	162.2	2,703.7	2,627.2	76.53	35.327	
16,900.0	12,634.0	14,206.6	9,940.0	82.4	78.0	4.86	-4,094.4	163.0	2,703.7	2,625.7	77.96	34.682	
17,000.0	12,634.0	14,306.6	9,940.0	83.8	79.5	4.86	-4,194.4	163.8	2,703.7	2,624.3	79.39	34.057	
17,100.0	12,634.0	14,406.6	9,940.0	85.2	80.9	4.86	-4,294.4	164.6	2,703.7	2,622.9	80.82	33.452	
17,200.0	12,634.0	14,506.6	9,940.0	86.6	82.4	4.86	-4,394.3	165.3	2,703.7	2,621.4	82.26	32.867	
17,300.0	12,634.0	14,606.6	9,940.0	88.0	83.9	4.86	-4,494.3	166.1	2,703.7	2,620.0	83.71	32.299	
17,400.0	12,634.0	14,706.6	9,940.0	89.4	85.4	4.86	-4,594.3	166.9	2,703.7	2,618.5	85.16	31.749	
17,500.0	12,634.0	14,806.6	9,940.0	90.9	86.9	4.86	-4,694.3	167.6	2,703.7	2,617.1	86.62	31.215	
17,600.0	12,634.0	14,906.6	9,940.0	92.3	88.4	4.86	-4,794.3	168.4	2,703.7	2,615.6	88.08	30.698	
17,700.0	12,634.0	15,006.6	9,940.0	93.8	89.9	4.86	-4,894.3	169.2	2,703.7	2,614.2	89.54	30.196	
17,800.0	12,634.0	15,106.6	9,940.0	95.2	91.5	4.86	-4,994.3	169.9	2,703.7	2,612.7	91.01	29.708	
17,900.0	12,634.0	15,206.6	9,940.0	96.7	93.0	4.86	-5,094.3	170.7	2,703.7	2,611.2	92.48	29.235	
18,000.0	12,634.0	15,306.6	9,940.0	98.1	94.5	4.86	-5,194.3	171.5	2,703.7	2,609.8	93.96	28.776	
18,100.0	12,634.0	15,406.6	9,940.0	99.6	96.0	4.86	-5,294.3	172.2	2,703.7	2,608.3	95.44	28.330	
18,200.0	12,634.0	15,506.6	9,940.0	101.1	97.6	4.86	-5,394.3	173.0	2,703.7	2,606.8	96.92	27.896	
18,300.0	12,634.0	15,606.6	9,940.0	102.6	99.1	4.86	-5,494.3	173.8	2,703.7	2,605.3	98.41	27.475	
18,400.0	12,634.0	15,706.6	9,940.0	104.1	100.7	4.86	-5,594.3	174.6	2,703.7	2,603.8	99.90	27.065	
18,500.0	12,634.0	15,806.6	9,940.0	105.6	102.2	4.86	-5,694.3	175.3	2,703.7	2,602.3	101.39	26.667	
18,600.0	12,634.0	15,906.6	9,940.0	107.0	103.7	4.86	-5,794.3	176.1	2,703.7	2,600.8	102.88	26.279	
18,700.0	12,634.0	16,006.6	9,940.0	108.5	105.3	4.86	-5,894.3	176.9	2,703.7	2,599.3	104.38	25.902	
18,800.0	12,634.0	16,106.6	9,940.0	110.1	106.9	4.86	-5,994.3	177.6	2,703.7	2,597.8	105.88	25.535	
18,900.0	12,634.0	16,206.6	9,940.0	111.6	108.4	4.86	-6,094.3	178.4	2,703.7	2,596.3	107.38	25.178	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #122H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,000.0	12,634.0	16,306.6	9,940.0	113.1	110.0	4.86	-6,194.3	179.2	2,703.7	2,594.8	108.89	24.830		
19,100.0	12,634.0	16,406.6	9,940.0	114.6	111.5	4.86	-6,294.3	179.9	2,703.7	2,593.3	110.40	24.491		
19,200.0	12,634.0	16,506.6	9,940.0	116.1	113.1	4.86	-6,394.3	180.7	2,703.7	2,591.8	111.91	24.160		
19,300.0	12,634.0	16,606.6	9,940.0	117.6	114.7	4.86	-6,494.3	181.5	2,703.7	2,590.3	113.42	23.838		
19,400.0	12,634.0	16,706.6	9,940.0	119.2	116.2	4.86	-6,594.3	182.2	2,703.7	2,588.8	114.93	23.524		
19,500.0	12,634.0	16,806.6	9,940.0	120.7	117.8	4.86	-6,694.3	183.0	2,703.7	2,587.3	116.45	23.218		
19,600.0	12,634.0	16,906.6	9,940.0	122.2	119.4	4.86	-6,794.3	183.8	2,703.7	2,585.8	117.97	22.919		
19,700.0	12,634.0	17,006.6	9,940.0	123.8	121.0	4.86	-6,894.3	184.6	2,703.7	2,584.2	119.49	22.628		
19,800.0	12,634.0	17,106.6	9,940.0	125.3	122.5	4.86	-6,994.3	185.3	2,703.7	2,582.7	121.01	22.343		
19,900.0	12,634.0	17,206.6	9,940.0	126.9	124.1	4.86	-7,094.3	186.1	2,703.7	2,581.2	122.53	22.065		
20,000.0	12,634.0	17,306.6	9,940.0	128.4	125.7	4.86	-7,194.3	186.9	2,703.7	2,579.7	124.06	21.794		
20,100.0	12,634.0	17,406.6	9,940.0	130.0	127.3	4.86	-7,294.3	187.6	2,703.7	2,578.1	125.58	21.529		
20,200.0	12,634.0	17,506.6	9,940.0	131.5	128.9	4.86	-7,394.3	188.4	2,703.7	2,576.6	127.11	21.270		
20,300.0	12,634.0	17,606.6	9,940.0	133.1	130.4	4.86	-7,494.3	189.2	2,703.7	2,575.1	128.64	21.018		
20,400.0	12,634.0	17,706.6	9,940.0	134.6	132.0	4.86	-7,594.3	189.9	2,703.7	2,573.6	130.17	20.770		
20,500.0	12,634.0	17,806.6	9,940.0	136.2	133.6	4.86	-7,694.3	190.7	2,703.7	2,572.0	131.70	20.529		
20,600.0	12,634.0	17,906.6	9,940.0	137.7	135.2	4.86	-7,794.2	191.5	2,703.7	2,570.5	133.24	20.293		
20,700.0	12,634.0	18,006.6	9,940.0	139.3	136.8	4.86	-7,894.2	192.3	2,703.7	2,569.0	134.77	20.061		
20,800.0	12,634.0	18,106.6	9,940.0	140.9	138.4	4.86	-7,994.2	193.0	2,703.7	2,567.4	136.31	19.835		
20,900.0	12,634.0	18,206.6	9,940.0	142.4	140.0	4.86	-8,094.2	193.8	2,703.7	2,565.9	137.85	19.614		
21,000.0	12,634.0	18,306.6	9,940.0	144.0	141.6	4.86	-8,194.2	194.6	2,703.7	2,564.3	139.38	19.398		
21,100.0	12,634.0	18,406.6	9,940.0	145.6	143.2	4.86	-8,294.2	195.3	2,703.7	2,562.8	140.92	19.186		
21,200.0	12,634.0	18,506.6	9,940.0	147.1	144.8	4.86	-8,394.2	196.1	2,703.7	2,561.3	142.46	18.978		
21,300.0	12,634.0	18,606.6	9,940.0	148.7	146.4	4.86	-8,494.2	196.9	2,703.7	2,559.7	144.00	18.775		
21,400.0	12,634.0	18,706.6	9,940.0	150.3	148.0	4.86	-8,594.2	197.6	2,703.7	2,558.2	145.55	18.576		
21,500.0	12,634.0	18,806.6	9,940.0	151.9	149.6	4.86	-8,694.2	198.4	2,703.7	2,556.6	147.09	18.381		
21,600.0	12,634.0	18,906.6	9,940.0	153.4	151.2	4.86	-8,794.2	199.2	2,703.7	2,555.1	148.64	18.190		
21,700.0	12,634.0	19,006.6	9,940.0	155.0	152.8	4.86	-8,894.2	199.9	2,703.7	2,553.6	150.18	18.003		
21,800.0	12,634.0	19,106.6	9,940.0	156.6	154.4	4.86	-8,994.2	200.7	2,703.7	2,552.0	151.73	17.820		
21,900.0	12,634.0	19,206.6	9,940.0	158.2	156.0	4.86	-9,094.2	201.5	2,703.7	2,550.5	153.27	17.640		
22,000.0	12,634.0	19,306.6	9,940.0	159.8	157.6	4.86	-9,194.2	202.3	2,703.7	2,548.9	154.82	17.464		
22,100.0	12,634.0	19,406.6	9,940.0	161.4	159.2	4.86	-9,294.2	203.0	2,703.7	2,547.4	156.37	17.291		
22,200.0	12,634.0	19,506.6	9,940.0	163.0	160.8	4.86	-9,394.2	203.8	2,703.7	2,545.8	157.92	17.121		
22,300.0	12,634.0	19,606.6	9,940.0	164.5	162.4	4.86	-9,494.2	204.6	2,703.7	2,544.3	159.47	16.955		
22,400.0	12,634.0	19,706.6	9,940.0	166.1	164.0	4.87	-9,594.2	205.3	2,703.7	2,542.7	161.02	16.791		
22,500.0	12,634.0	19,806.6	9,940.0	167.7	165.7	4.87	-9,694.2	206.1	2,703.7	2,541.2	162.57	16.631		
22,600.0	12,634.0	19,906.6	9,940.0	169.3	167.3	4.87	-9,794.2	206.9	2,703.7	2,539.6	164.13	16.474		
22,700.0	12,634.0	20,006.6	9,940.0	170.9	168.9	4.87	-9,894.2	207.6	2,703.7	2,538.1	165.68	16.319		
22,796.3	12,634.0	20,102.9	9,940.0	172.4	170.4	4.87	-9,990.5	208.4	2,703.7	2,536.6	167.18	16.173		
22,796.7	12,634.0	20,103.3	9,940.0	172.5	170.4	4.87	-9,990.9	208.4	2,703.7	2,536.6	167.18	16.173		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #132H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	89.62	0.5	79.9	79.9				
100.0	100.0	100.0	100.0	0.1	0.1	89.62	0.5	79.9	79.9	79.7	0.26	311.905	
200.0	200.0	200.0	200.0	0.5	0.5	89.62	0.5	79.9	79.9	79.0	0.97	82.141	
300.0	300.0	300.0	300.0	0.8	0.8	89.62	0.5	79.9	79.9	78.3	1.69	47.298	
400.0	400.0	400.0	400.0	1.2	1.2	89.62	0.5	79.9	79.9	77.5	2.41	33.211	
500.0	500.0	500.0	500.0	1.6	1.6	89.62	0.5	79.9	79.9	76.8	3.12	25.589	
600.0	600.0	600.0	600.0	1.9	1.9	89.62	0.5	79.9	79.9	76.1	3.84	20.813	
700.0	700.0	700.0	700.0	2.3	2.3	89.62	0.5	79.9	79.9	75.4	4.56	17.539	
800.0	800.0	800.0	800.0	2.6	2.6	89.62	0.5	79.9	79.9	74.7	5.27	15.155	
900.0	900.0	900.0	900.0	3.0	3.0	89.62	0.5	79.9	79.9	74.0	5.99	13.342	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	89.62	0.5	79.9	79.9	73.2	6.71	11.916	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	89.62	0.5	79.9	79.9	72.5	7.43	10.766	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	89.62	0.5	79.9	79.9	71.8	8.14	9.818	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	89.62	0.5	79.9	79.9	71.1	8.86	9.023	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	89.62	0.5	79.9	79.9	70.4	9.58	8.348	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	89.62	0.5	79.9	79.9	69.7	10.29	7.766	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	56.25	0.5	79.9	79.5	68.4	11.01	7.217	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	57.86	0.5	79.9	78.0	66.3	11.72	6.657	
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	60.67	0.5	79.9	75.8	63.4	12.44	6.095	
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	64.87	0.5	79.9	73.0	59.8	13.15	5.550	
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	70.71	0.5	79.9	70.0	56.2	13.87	5.048	
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	78.41	0.5	79.9	67.5	52.9	14.59	4.622	
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	88.01	0.5	79.9	66.1	50.8	15.32	4.315	
2,218.7	2,216.8	2,216.8	2,216.8	7.7	7.7	90.00	0.5	79.9	66.1	50.6	15.44	4.277 CC, ES	
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	99.15	0.5	79.9	66.9	50.9	16.06	4.169 SF	
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	110.29	0.5	79.9	70.5	53.7	16.79	4.200	
2,500.0	2,495.5	2,495.5	2,495.5	8.8	8.7	120.04	0.5	79.9	76.5	59.0	17.49	4.374	
2,600.0	2,594.5	2,595.8	2,595.8	9.2	9.1	128.51	1.1	79.4	83.7	65.4	18.22	4.593	
2,700.0	2,693.5	2,696.2	2,696.2	9.6	9.4	136.08	3.1	77.8	90.8	71.9	18.93	4.797	
2,800.0	2,792.5	2,796.7	2,796.6	9.9	9.8	143.07	6.4	75.0	97.9	78.2	19.64	4.984	
2,900.0	2,891.6	2,897.1	2,896.8	10.3	10.1	149.70	11.0	71.0	104.9	84.6	20.35	5.157	
3,000.0	2,990.6	2,997.4	2,996.8	10.7	10.5	156.10	16.9	65.9	112.1	91.0	21.06	5.323	
3,100.0	3,089.6	3,097.5	3,096.5	11.1	10.9	162.37	24.2	59.7	119.5	97.7	21.76	5.489	
3,200.0	3,188.6	3,197.5	3,195.7	11.5	11.2	168.52	32.8	52.4	127.3	104.8	22.48	5.663	
3,300.0	3,287.7	3,297.1	3,294.5	11.9	11.6	174.58	42.7	44.0	135.7	112.6	23.20	5.852	
3,400.0	3,386.7	3,404.3	3,392.1	12.3	12.0	-179.82	53.1	35.1	145.3	121.3	23.95	6.065	
3,500.0	3,485.7	3,505.7	3,489.8	12.7	12.4	-174.95	63.5	26.2	156.1	131.4	24.70	6.319	
3,600.0	3,584.8	3,607.2	3,587.4	13.1	12.7	-170.72	74.0	17.3	167.8	142.4	25.44	6.595	
3,700.0	3,683.8	3,708.6	3,685.0	13.5	13.1	-167.05	84.4	8.4	180.3	154.2	26.19	6.885	
3,800.0	3,782.8	3,810.0	3,782.7	13.9	13.5	-163.87	94.9	-0.5	193.5	166.6	26.95	7.181	
3,900.0	3,881.8	3,888.6	3,880.3	14.3	13.8	-161.09	105.3	-9.4	207.2	179.6	27.62	7.503	
4,000.0	3,980.9	3,987.2	3,977.9	14.7	14.2	-158.66	115.7	-18.3	221.3	193.0	28.37	7.802	
4,100.0	4,079.9	4,085.8	4,075.5	15.1	14.6	-156.53	126.2	-27.2	235.8	206.7	29.12	8.097	
4,200.0	4,178.9	4,184.4	4,173.2	15.5	15.0	-154.64	136.6	-36.1	250.6	220.7	29.88	8.385	
4,300.0	4,277.9	4,282.9	4,270.8	16.0	15.3	-152.96	147.1	-45.0	265.5	234.9	30.64	8.667	
4,400.0	4,377.0	4,381.5	4,368.4	16.4	15.7	-151.46	157.5	-53.9	280.7	249.3	31.40	8.941	
4,500.0	4,476.0	4,480.1	4,466.0	16.8	16.1	-150.11	167.9	-62.8	296.1	263.9	32.16	9.206	
4,600.0	4,575.0	4,578.7	4,563.7	17.2	16.5	-148.90	178.4	-71.7	311.6	278.7	32.93	9.463	
4,700.0	4,674.0	4,677.3	4,661.3	17.6	16.9	-147.80	188.8	-80.6	327.2	293.5	33.69	9.712	
4,800.0	4,773.1	4,775.9	4,758.9	18.0	17.3	-146.81	199.3	-89.5	343.0	308.5	34.46	9.952	
4,900.0	4,872.1	4,874.5	4,856.5	18.4	17.7	-145.90	209.7	-98.4	358.8	323.6	35.23	10.185	
4,941.9	4,913.6	4,915.8	4,897.4	18.6	17.8	-145.54	214.1	-102.1	365.4	329.9	35.55	10.280	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #132H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,971.2	4,973.1	4,954.2	18.8	18.1	-145.10	220.2	-107.3	374.3	338.3	36.00	10.399	
5,100.0	5,070.6	5,071.9	5,052.1	19.2	18.5	-144.21	230.6	-116.2	388.0	351.3	36.76	10.555	
5,200.0	5,170.2	5,170.9	5,150.1	19.6	18.9	-143.15	241.1	-125.2	399.8	362.3	37.53	10.654	
5,300.0	5,270.0	5,270.0	5,248.2	19.9	19.3	-141.92	251.6	-134.1	409.6	371.4	38.28	10.701	
5,400.0	5,370.0	5,369.1	5,346.3	20.3	19.6	-140.52	262.1	-143.0	417.7	378.7	39.03	10.701	
5,475.2	5,445.2	5,443.6	5,420.1	20.6	19.9	-105.45	270.0	-149.8	422.6	383.0	39.59	10.674	
5,500.0	5,470.0	5,468.1	5,444.4	20.6	20.0	-105.03	272.6	-152.0	424.1	384.3	39.77	10.663	
5,600.0	5,570.0	5,567.1	5,542.5	21.0	20.4	-103.37	283.1	-160.9	430.3	389.8	40.51	10.622	
5,700.0	5,670.0	5,666.2	5,640.5	21.3	20.8	-101.75	293.6	-169.9	436.9	395.6	41.25	10.592	
5,800.0	5,770.0	5,765.2	5,738.6	21.6	21.2	-100.19	304.1	-178.8	443.8	401.8	41.98	10.571	
5,900.0	5,870.0	5,864.2	5,836.7	22.0	21.6	-98.67	314.5	-187.8	451.0	408.3	42.71	10.559	
6,000.0	5,970.0	5,963.3	5,934.7	22.3	22.0	-97.20	325.0	-196.7	458.5	415.1	43.44	10.555	
6,100.0	6,070.0	6,062.3	6,032.8	22.7	22.4	-95.78	335.5	-205.6	466.3	422.2	44.17	10.559	
6,200.0	6,170.0	6,161.3	6,130.9	23.0	22.8	-94.41	346.0	-214.6	474.4	429.6	44.89	10.569	
6,300.0	6,270.0	6,265.4	6,234.0	23.3	23.3	-93.07	356.6	-223.6	482.5	436.8	45.67	10.565	
6,400.0	6,370.0	6,373.3	6,341.3	23.7	23.7	-91.98	365.5	-231.2	489.2	442.7	46.47	10.527	
6,500.0	6,470.0	6,481.7	6,449.4	24.0	24.1	-91.19	372.1	-236.8	494.2	446.9	47.25	10.459	
6,600.0	6,570.0	6,590.6	6,558.1	24.3	24.5	-90.69	376.3	-240.4	497.5	449.5	48.01	10.362	
6,700.0	6,670.0	6,699.7	6,667.2	24.7	24.9	-90.47	378.3	-242.1	498.9	450.2	48.75	10.236	
6,800.0	6,770.0	6,802.5	6,770.0	25.0	25.2	-90.46	378.4	-242.2	499.0	449.6	49.44	10.093	
6,900.0	6,870.0	6,902.5	6,870.0	25.4	25.6	-90.46	378.4	-242.2	499.0	448.9	50.13	9.954	
7,000.0	6,970.0	7,002.5	6,970.0	25.7	25.9	-90.46	378.4	-242.2	499.0	448.2	50.82	9.819	
7,100.0	7,070.0	7,102.5	7,070.0	26.1	26.2	-90.46	378.4	-242.2	499.0	447.5	51.51	9.687	
7,200.0	7,170.0	7,202.5	7,170.0	26.4	26.6	-90.46	378.4	-242.2	499.0	446.8	52.21	9.559	
7,300.0	7,270.0	7,302.5	7,270.0	26.7	26.9	-90.46	378.4	-242.2	499.0	446.1	52.90	9.434	
7,400.0	7,370.0	7,402.5	7,370.0	27.1	27.3	-90.46	378.4	-242.2	499.0	445.4	53.59	9.312	
7,500.0	7,470.0	7,502.5	7,470.0	27.4	27.6	-90.46	378.4	-242.2	499.0	444.8	54.28	9.193	
7,600.0	7,570.0	7,602.5	7,570.0	27.8	28.0	-90.46	378.4	-242.2	499.0	444.1	54.98	9.077	
7,700.0	7,670.0	7,702.5	7,670.0	28.1	28.3	-90.46	378.4	-242.2	499.0	443.4	55.67	8.964	
7,800.0	7,770.0	7,802.5	7,770.0	28.5	28.6	-90.46	378.4	-242.2	499.0	442.7	56.37	8.853	
7,900.0	7,870.0	7,902.5	7,870.0	28.8	29.0	-90.46	378.4	-242.2	499.0	442.0	57.06	8.745	
8,000.0	7,970.0	8,002.5	7,970.0	29.2	29.3	-90.46	378.4	-242.2	499.0	441.3	57.76	8.640	
8,100.0	8,070.0	8,102.5	8,070.0	29.5	29.7	-90.46	378.4	-242.2	499.0	440.6	58.46	8.537	
8,200.0	8,170.0	8,202.5	8,170.0	29.9	30.0	-90.46	378.4	-242.2	499.0	439.9	59.15	8.436	
8,300.0	8,270.0	8,302.5	8,270.0	30.2	30.4	-90.46	378.4	-242.2	499.0	439.2	59.85	8.338	
8,400.0	8,370.0	8,402.5	8,370.0	30.5	30.7	-90.46	378.4	-242.2	499.0	438.5	60.55	8.242	
8,500.0	8,470.0	8,502.5	8,470.0	30.9	31.1	-90.46	378.4	-242.2	499.0	437.8	61.25	8.148	
8,600.0	8,570.0	8,602.5	8,570.0	31.2	31.4	-90.46	378.4	-242.2	499.0	437.1	61.95	8.056	
8,700.0	8,670.0	8,702.5	8,670.0	31.6	31.7	-90.46	378.4	-242.2	499.0	436.4	62.65	7.966	
8,800.0	8,770.0	8,802.5	8,770.0	31.9	32.1	-90.46	378.4	-242.2	499.0	435.7	63.35	7.878	
8,900.0	8,870.0	8,902.5	8,870.0	32.3	32.4	-90.46	378.4	-242.2	499.0	435.0	64.05	7.792	
9,000.0	8,970.0	9,002.5	8,970.0	32.6	32.8	-90.46	378.4	-242.2	499.0	434.3	64.75	7.708	
9,100.0	9,070.0	9,102.5	9,070.0	33.0	33.1	-90.46	378.4	-242.2	499.0	433.6	65.45	7.625	
9,200.0	9,170.0	9,202.5	9,170.0	33.3	33.5	-90.46	378.4	-242.2	499.0	432.9	66.15	7.544	
9,300.0	9,270.0	9,302.5	9,270.0	33.7	33.8	-90.46	378.4	-242.2	499.0	432.2	66.85	7.465	
9,400.0	9,370.0	9,402.5	9,370.0	34.0	34.2	-90.46	378.4	-242.2	499.0	431.5	67.55	7.387	
9,500.0	9,470.0	9,502.5	9,470.0	34.4	34.5	-90.46	378.4	-242.2	499.0	430.8	68.25	7.311	
9,600.0	9,570.0	9,602.5	9,570.0	34.7	34.9	-90.46	378.4	-242.2	499.0	430.1	68.96	7.237	
9,700.0	9,670.0	9,702.5	9,670.0	35.1	35.2	-90.46	378.4	-242.2	499.0	429.4	69.66	7.164	
9,800.0	9,770.0	9,802.5	9,770.0	35.4	35.6	-90.46	378.4	-242.2	499.0	428.7	70.36	7.092	
9,900.0	9,870.0	9,902.5	9,870.0	35.8	35.9	-90.46	378.4	-242.2	499.0	428.0	71.07	7.022	
10,000.0	9,970.0	10,002.5	9,970.0	36.1	36.3	-90.46	378.4	-242.2	499.0	427.3	71.77	6.953	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #132H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	10,070.0	10,102.5	10,070.0	36.5	36.6	-90.46	378.4	-242.2	499.0	426.6	72.47	6.886	
10,200.0	10,170.0	10,202.5	10,170.0	36.8	37.0	-90.46	378.4	-242.2	499.0	425.9	73.18	6.820	
10,300.0	10,270.0	10,302.5	10,270.0	37.2	37.3	-90.46	378.4	-242.2	499.0	425.2	73.88	6.755	
10,400.0	10,370.0	10,404.7	10,372.1	37.5	37.7	-90.71	376.2	-242.0	498.9	424.3	74.58	6.690	
10,500.0	10,470.0	10,506.0	10,471.7	37.9	37.9	-92.74	358.5	-240.9	498.4	423.2	75.22	6.626	
10,524.2	10,494.2	10,529.4	10,494.2	38.0	38.0	-93.50	351.9	-240.5	498.3	423.0	75.36	6.613	
10,600.0	10,570.0	10,598.6	10,558.7	38.2	38.2	-96.34	327.3	-239.0	499.1	423.3	75.77	6.586	
10,700.0	10,670.0	10,679.4	10,629.7	38.6	38.3	-100.72	288.9	-236.7	503.9	427.8	76.08	6.624	
10,800.0	10,770.0	10,748.0	10,685.2	38.9	38.4	-105.22	248.8	-234.2	515.9	440.1	75.83	6.804	
10,900.0	10,870.0	10,805.3	10,727.7	39.3	38.5	-109.39	210.3	-231.9	537.3	462.6	74.75	7.188	
11,000.0	10,970.0	10,850.0	10,758.0	39.6	38.5	-112.82	177.5	-229.9	569.0	496.3	72.70	7.827	
11,100.0	11,070.0	10,893.0	10,784.6	40.0	38.6	-116.20	143.9	-227.8	610.9	540.7	70.17	8.706	
11,200.0	11,170.0	10,926.5	10,803.6	40.3	38.6	-118.85	116.3	-226.1	662.0	594.9	67.16	9.857	
11,300.0	11,270.0	10,950.0	10,815.9	40.7	38.6	-120.70	96.3	-224.9	721.2	657.3	63.89	11.287	
11,400.0	11,370.0	10,979.1	10,830.0	41.0	38.6	-122.97	70.9	-223.4	786.8	725.8	61.09	12.880	
11,500.0	11,470.0	11,000.0	10,839.3	41.4	38.6	-124.57	52.3	-222.2	858.0	799.6	58.36	14.702	
11,600.0	11,570.0	11,018.1	10,846.8	41.8	38.6	-125.93	35.9	-221.2	933.5	877.6	55.92	16.695	
11,700.0	11,670.0	11,033.9	10,853.0	42.1	38.7	-127.11	21.3	-220.3	1,012.7	958.9	53.78	18.830	
11,800.0	11,770.0	11,050.0	10,858.8	42.5	38.7	-128.29	6.3	-219.4	1,094.7	1,042.7	52.00	21.053	
11,900.0	11,870.0	11,050.0	10,858.8	42.8	38.7	-128.29	6.3	-219.4	1,179.2	1,129.1	50.10	23.535	
12,000.0	11,970.0	11,071.1	10,865.8	43.2	38.7	-129.81	-13.5	-218.2	1,265.5	1,216.5	49.02	25.817	
12,091.0	12,061.0	11,080.1	10,868.6	43.5	38.7	-130.44	-22.1	-217.7	1,345.6	1,297.6	47.98	28.043	
12,100.0	12,070.0	11,081.0	10,868.9	43.5	38.7	56.08	-22.9	-217.6	1,353.5	1,305.6	47.89	28.264	
12,150.0	12,119.9	11,100.0	10,874.2	43.7	38.7	47.92	-41.1	-216.5	1,397.4	1,349.8	47.65	29.328	
12,200.0	12,169.3	11,100.0	10,874.2	43.8	38.7	42.21	-41.1	-216.5	1,439.9	1,392.9	47.00	30.640	
12,250.0	12,217.9	11,100.0	10,874.2	44.0	38.7	37.53	-41.1	-216.5	1,481.2	1,434.8	46.35	31.954	
12,300.0	12,265.4	11,100.0	10,874.2	44.1	38.7	33.70	-41.1	-216.5	1,521.0	1,475.3	45.73	33.259	
12,350.0	12,311.2	11,100.0	10,874.2	44.2	38.7	30.56	-41.1	-216.5	1,559.2	1,514.0	45.14	34.543	
12,400.0	12,355.2	11,125.6	10,880.5	44.3	38.7	27.63	-65.9	-215.0	1,594.8	1,549.8	44.97	35.464	
12,450.0	12,396.9	11,150.0	10,885.4	44.4	38.7	25.31	-89.7	-213.5	1,628.8	1,584.1	44.77	36.381	
12,500.0	12,436.1	11,150.0	10,885.4	44.5	38.7	23.66	-89.7	-213.5	1,660.1	1,615.8	44.24	37.522	
12,550.0	12,472.4	11,150.0	10,885.4	44.5	38.7	22.27	-89.7	-213.5	1,689.1	1,645.3	43.78	38.585	
12,600.0	12,505.6	11,150.0	10,885.4	44.6	38.7	21.10	-89.7	-213.5	1,715.7	1,672.4	43.38	39.552	
12,650.0	12,535.4	11,178.5	10,889.9	44.6	38.8	20.05	-117.8	-211.8	1,739.1	1,695.8	43.31	40.152	
12,700.0	12,561.6	11,200.0	10,892.4	44.7	38.8	19.23	-139.2	-210.5	1,760.0	1,716.8	43.20	40.738	
12,750.0	12,584.0	11,200.0	10,892.4	44.7	38.8	18.61	-139.2	-210.5	1,777.9	1,734.9	42.99	41.357	
12,800.0	12,602.4	11,200.0	10,892.4	44.7	38.8	18.11	-139.2	-210.5	1,793.1	1,750.2	42.88	41.821	
12,850.0	12,616.7	11,226.0	10,894.2	44.8	38.9	17.73	-165.0	-208.9	1,804.9	1,761.9	42.95	42.020	
12,900.0	12,626.7	11,254.5	10,895.0	44.9	38.9	17.48	-193.5	-207.2	1,814.1	1,771.0	43.07	42.116	
12,950.0	12,632.5	11,254.5	10,895.0	45.0	38.9	17.31	-193.5	-207.2	1,819.6	1,776.4	43.20	42.121	
12,991.0	12,634.0	11,275.3	10,895.0	45.1	38.9	17.29	-214.3	-206.0	1,821.9	1,778.5	43.39	41.993	
13,000.0	12,634.0	11,282.8	10,895.0	45.1	39.0	17.32	-221.8	-205.6	1,822.1	1,778.7	43.43	41.955	
13,100.0	12,634.0	11,366.5	10,895.0	45.4	39.2	17.57	-305.4	-202.5	1,824.6	1,780.6	43.98	41.492	
13,200.0	12,634.0	11,458.3	10,895.0	45.7	39.5	17.81	-397.2	-201.5	1,826.8	1,782.3	44.56	40.996	
13,300.0	12,634.0	11,558.2	10,895.0	46.0	39.8	17.96	-497.1	-200.8	1,828.1	1,783.0	45.16	40.483	
13,368.8	12,634.0	11,627.0	10,895.0	46.3	40.1	17.99	-565.8	-200.2	1,828.4	1,782.8	45.56	40.128	
13,400.0	12,634.0	11,658.2	10,895.0	46.4	40.3	17.99	-597.1	-200.0	1,828.4	1,782.6	45.75	39.964	
13,500.0	12,634.0	11,758.2	10,895.0	46.8	40.8	17.99	-697.0	-199.2	1,828.4	1,782.0	46.39	39.413	
13,600.0	12,634.0	11,858.2	10,895.0	47.3	41.3	17.99	-797.0	-198.5	1,828.4	1,781.3	47.09	38.828	
13,700.0	12,634.0	11,958.2	10,895.0	47.9	41.9	17.99	-897.0	-197.7	1,828.4	1,780.5	47.85	38.213	
13,800.0	12,634.0	12,058.2	10,895.0	48.4	42.6	17.99	-997.0	-196.9	1,828.4	1,779.7	48.66	37.574	
13,900.0	12,634.0	12,158.2	10,895.0	49.1	43.3	17.99	-1,097.0	-196.1	1,828.4	1,778.9	49.53	36.918	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #132H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.0	12,634.0	12,258.2	10,895.0	49.7	44.1	17.99	-1,197.0	-195.4	1,828.4	1,777.9	50.44	36.248	
14,100.0	12,634.0	12,358.2	10,895.0	50.5	44.9	17.99	-1,297.0	-194.6	1,828.4	1,777.0	51.40	35.570	
14,200.0	12,634.0	12,458.2	10,895.0	51.2	45.7	17.99	-1,397.0	-193.8	1,828.4	1,776.0	52.41	34.887	
14,300.0	12,634.0	12,558.2	10,895.0	52.0	46.6	17.99	-1,497.0	-193.1	1,828.4	1,774.9	53.46	34.202	
14,400.0	12,634.0	12,658.2	10,895.0	52.9	47.6	17.99	-1,597.0	-192.3	1,828.4	1,773.8	54.55	33.520	
14,500.0	12,634.0	12,758.2	10,895.0	53.8	48.6	17.99	-1,697.0	-191.5	1,828.4	1,772.7	55.67	32.843	
14,600.0	12,634.0	12,858.2	10,895.0	54.7	49.6	17.99	-1,797.0	-190.7	1,828.4	1,771.6	56.83	32.173	
14,700.0	12,634.0	12,958.2	10,895.0	55.7	50.6	17.99	-1,897.0	-190.0	1,828.4	1,770.4	58.02	31.511	
14,800.0	12,634.0	13,058.2	10,895.0	56.6	51.7	17.99	-1,997.0	-189.2	1,828.4	1,769.2	59.25	30.861	
14,900.0	12,634.0	13,158.2	10,895.0	57.7	52.8	17.99	-2,097.0	-188.4	1,828.4	1,767.9	60.50	30.222	
15,000.0	12,634.0	13,258.2	10,895.0	58.7	53.9	17.99	-2,197.0	-187.7	1,828.4	1,766.6	61.78	29.595	
15,100.0	12,634.0	13,358.2	10,895.0	59.8	55.1	17.99	-2,297.0	-186.9	1,828.4	1,765.3	63.09	28.983	
15,200.0	12,634.0	13,458.2	10,895.0	60.9	56.3	17.99	-2,397.0	-186.1	1,828.4	1,764.0	64.42	28.385	
15,300.0	12,634.0	13,558.2	10,895.0	62.0	57.5	17.99	-2,497.0	-185.3	1,828.4	1,762.6	65.77	27.801	
15,400.0	12,634.0	13,658.2	10,895.0	63.1	58.7	17.99	-2,597.0	-184.6	1,828.4	1,761.3	67.14	27.232	
15,500.0	12,634.0	13,758.2	10,895.0	64.3	60.0	17.99	-2,697.0	-183.8	1,828.4	1,759.9	68.53	26.679	
15,600.0	12,634.0	13,858.2	10,895.0	65.5	61.2	17.99	-2,797.0	-183.0	1,828.4	1,758.5	69.95	26.140	
15,700.0	12,634.0	13,958.2	10,895.0	66.7	62.5	17.99	-2,897.0	-182.3	1,828.4	1,757.0	71.38	25.616	
15,800.0	12,634.0	14,058.2	10,895.0	67.9	63.8	17.99	-2,997.0	-181.5	1,828.4	1,755.6	72.82	25.107	
15,900.0	12,634.0	14,158.2	10,895.0	69.2	65.1	17.99	-3,097.0	-180.7	1,828.4	1,754.1	74.29	24.613	
16,000.0	12,634.0	14,258.2	10,895.0	70.4	66.5	17.99	-3,197.0	-180.0	1,828.4	1,752.7	75.76	24.133	
16,100.0	12,634.0	14,358.2	10,895.0	71.7	67.8	17.99	-3,297.0	-179.2	1,828.4	1,751.2	77.26	23.667	
16,200.0	12,634.0	14,458.2	10,895.0	73.0	69.2	17.99	-3,397.0	-178.4	1,828.4	1,749.7	78.76	23.215	
16,300.0	12,634.0	14,558.2	10,895.0	74.3	70.6	17.99	-3,497.0	-177.6	1,828.4	1,748.2	80.28	22.777	
16,400.0	12,634.0	14,658.2	10,895.0	75.6	71.9	17.99	-3,597.0	-176.9	1,828.4	1,746.6	81.80	22.351	
16,500.0	12,634.0	14,758.2	10,895.0	77.0	73.3	17.99	-3,697.0	-176.1	1,828.4	1,745.1	83.34	21.938	
16,600.0	12,634.0	14,858.2	10,895.0	78.3	74.7	17.99	-3,797.0	-175.3	1,828.4	1,743.5	84.89	21.538	
16,700.0	12,634.0	14,958.2	10,895.0	79.7	76.1	18.00	-3,897.0	-174.6	1,828.4	1,742.0	86.45	21.149	
16,800.0	12,634.0	15,058.2	10,895.0	81.0	77.6	18.00	-3,997.0	-173.8	1,828.4	1,740.4	88.02	20.772	
16,900.0	12,634.0	15,158.2	10,895.0	82.4	79.0	18.00	-4,096.9	-173.0	1,828.4	1,738.8	89.60	20.406	
17,000.0	12,634.0	15,258.2	10,895.0	83.8	80.4	18.00	-4,196.9	-172.2	1,828.4	1,737.3	91.19	20.051	
17,100.0	12,634.0	15,358.2	10,895.0	85.2	81.9	18.00	-4,296.9	-171.5	1,828.4	1,735.7	92.78	19.706	
17,200.0	12,634.0	15,458.2	10,895.0	86.6	83.4	18.00	-4,396.9	-170.7	1,828.5	1,734.1	94.39	19.372	
17,300.0	12,634.0	15,558.2	10,895.0	88.0	84.8	18.00	-4,496.9	-169.9	1,828.5	1,732.5	96.00	19.047	
17,400.0	12,634.0	15,658.2	10,895.0	89.4	86.3	18.00	-4,596.9	-169.2	1,828.5	1,730.8	97.61	18.731	
17,500.0	12,634.0	15,758.2	10,895.0	90.9	87.8	18.00	-4,696.9	-168.4	1,828.5	1,729.2	99.24	18.425	
17,600.0	12,634.0	15,858.2	10,895.0	92.3	89.2	18.00	-4,796.9	-167.6	1,828.5	1,727.6	100.87	18.127	
17,700.0	12,634.0	15,958.2	10,895.0	93.8	90.7	18.00	-4,896.9	-166.8	1,828.5	1,726.0	102.50	17.838	
17,800.0	12,634.0	16,058.2	10,895.0	95.2	92.2	18.00	-4,996.9	-166.1	1,828.5	1,724.3	104.14	17.557	
17,900.0	12,634.0	16,158.2	10,895.0	96.7	93.7	18.00	-5,096.9	-165.3	1,828.5	1,722.7	105.79	17.284	
18,000.0	12,634.0	16,258.2	10,895.0	98.1	95.2	18.00	-5,196.9	-164.5	1,828.5	1,721.0	107.44	17.018	
18,100.0	12,634.0	16,358.2	10,895.0	99.6	96.7	18.00	-5,296.9	-163.8	1,828.5	1,719.4	109.10	16.760	
18,200.0	12,634.0	16,458.2	10,895.0	101.1	98.2	18.00	-5,396.9	-163.0	1,828.5	1,717.7	110.76	16.508	
18,300.0	12,634.0	16,558.2	10,895.0	102.6	99.8	18.00	-5,496.9	-162.2	1,828.5	1,716.0	112.43	16.264	
18,400.0	12,634.0	16,658.2	10,895.0	104.1	101.3	18.00	-5,596.9	-161.4	1,828.5	1,714.4	114.10	16.026	
18,500.0	12,634.0	16,758.2	10,895.0	105.6	102.8	18.00	-5,696.9	-160.7	1,828.5	1,712.7	115.77	15.794	
18,600.0	12,634.0	16,858.2	10,895.0	107.0	104.3	18.00	-5,796.9	-159.9	1,828.5	1,711.0	117.45	15.568	
18,700.0	12,634.0	16,958.2	10,895.0	108.5	105.9	18.00	-5,896.9	-159.1	1,828.5	1,709.4	119.13	15.349	
18,800.0	12,634.0	17,058.2	10,895.0	110.1	107.4	18.00	-5,996.9	-158.4	1,828.5	1,707.7	120.82	15.134	
18,900.0	12,634.0	17,158.2	10,895.0	111.6	108.9	18.00	-6,096.9	-157.6	1,828.5	1,706.0	122.51	14.926	
19,000.0	12,634.0	17,258.2	10,895.0	113.1	110.5	18.00	-6,196.9	-156.8	1,828.5	1,704.3	124.20	14.722	
19,100.0	12,634.0	17,358.2	10,895.0	114.6	112.0	18.00	-6,296.9	-156.1	1,828.5	1,702.6	125.89	14.524	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #132H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,200.0	12,634.0	17,458.2	10,895.0	116.1	113.6	18.00	-6,396.9	-155.3	1,828.5	1,700.9	127.59	14.331		
19,300.0	12,634.0	17,558.2	10,895.0	117.6	115.1	18.00	-6,496.9	-154.5	1,828.5	1,699.2	129.29	14.142		
19,400.0	12,634.0	17,658.2	10,895.0	119.2	116.7	18.00	-6,596.9	-153.7	1,828.5	1,697.5	131.00	13.958		
19,500.0	12,634.0	17,758.2	10,895.0	120.7	118.2	18.00	-6,696.9	-153.0	1,828.5	1,695.8	132.71	13.779		
19,600.0	12,634.0	17,858.2	10,895.0	122.2	119.8	18.00	-6,796.9	-152.2	1,828.5	1,694.1	134.42	13.603		
19,700.0	12,634.0	17,958.2	10,895.0	123.8	121.4	18.00	-6,896.9	-151.4	1,828.5	1,692.4	136.13	13.432		
19,800.0	12,634.0	18,058.2	10,895.0	125.3	122.9	18.00	-6,996.9	-150.7	1,828.5	1,690.7	137.84	13.265		
19,900.0	12,634.0	18,158.2	10,895.0	126.9	124.5	18.00	-7,096.9	-149.9	1,828.5	1,688.9	139.56	13.102		
20,000.0	12,634.0	18,258.2	10,895.0	128.4	126.1	18.00	-7,196.9	-149.1	1,828.5	1,687.2	141.28	12.943		
20,100.0	12,634.0	18,358.2	10,895.0	130.0	127.6	18.00	-7,296.9	-148.3	1,828.5	1,685.5	143.00	12.787		
20,200.0	12,634.0	18,458.2	10,895.0	131.5	129.2	18.00	-7,396.9	-147.6	1,828.5	1,683.8	144.72	12.634		
20,300.0	12,634.0	18,558.2	10,895.0	133.1	130.8	18.00	-7,496.8	-146.8	1,828.5	1,682.1	146.45	12.486		
20,400.0	12,634.0	18,658.2	10,895.0	134.6	132.4	18.00	-7,596.8	-146.0	1,828.5	1,680.3	148.18	12.340		
20,500.0	12,634.0	18,758.2	10,895.0	136.2	133.9	18.00	-7,696.8	-145.3	1,828.5	1,678.6	149.91	12.198		
20,600.0	12,634.0	18,858.2	10,895.0	137.7	135.5	18.00	-7,796.8	-144.5	1,828.5	1,676.9	151.64	12.058		
20,700.0	12,634.0	18,958.2	10,895.0	139.3	137.1	18.00	-7,896.8	-143.7	1,828.5	1,675.2	153.37	11.922		
20,800.0	12,634.0	19,058.2	10,895.0	140.9	138.7	18.00	-7,996.8	-142.9	1,828.5	1,673.4	155.11	11.789		
20,900.0	12,634.0	19,158.2	10,895.0	142.4	140.3	18.00	-8,096.8	-142.2	1,828.5	1,671.7	156.84	11.658		
21,000.0	12,634.0	19,258.2	10,895.0	144.0	141.8	18.00	-8,196.8	-141.4	1,828.5	1,670.0	158.58	11.531		
21,100.0	12,634.0	19,358.2	10,895.0	145.6	143.4	18.00	-8,296.8	-140.6	1,828.5	1,668.2	160.32	11.405		
21,200.0	12,634.0	19,458.2	10,895.0	147.1	145.0	18.00	-8,396.8	-139.9	1,828.5	1,666.5	162.06	11.283		
21,300.0	12,634.0	19,558.2	10,895.0	148.7	146.6	18.00	-8,496.8	-139.1	1,828.5	1,664.7	163.81	11.163		
21,400.0	12,634.0	19,658.2	10,895.0	150.3	148.2	18.00	-8,596.8	-138.3	1,828.5	1,663.0	165.55	11.045		
21,500.0	12,634.0	19,758.2	10,895.0	151.9	149.8	18.00	-8,696.8	-137.6	1,828.5	1,661.2	167.30	10.930		
21,600.0	12,634.0	19,858.2	10,895.0	153.4	151.4	18.01	-8,796.8	-136.8	1,828.5	1,659.5	169.04	10.817		
21,700.0	12,634.0	19,958.2	10,895.0	155.0	153.0	18.01	-8,896.8	-136.0	1,828.5	1,657.8	170.79	10.706		
21,800.0	12,634.0	20,058.2	10,895.0	156.6	154.6	18.01	-8,996.8	-135.2	1,828.6	1,656.0	172.54	10.598		
21,900.0	12,634.0	20,158.2	10,895.0	158.2	156.2	18.01	-9,096.8	-134.5	1,828.6	1,654.3	174.29	10.491		
22,000.0	12,634.0	20,258.2	10,895.0	159.8	157.8	18.01	-9,196.8	-133.7	1,828.6	1,652.5	176.04	10.387		
22,100.0	12,634.0	20,358.2	10,895.0	161.4	159.4	18.01	-9,296.8	-132.9	1,828.6	1,650.8	177.79	10.285		
22,200.0	12,634.0	20,458.2	10,895.0	163.0	161.0	18.01	-9,396.8	-132.2	1,828.6	1,649.0	179.55	10.184		
22,300.0	12,634.0	20,558.2	10,895.0	164.5	162.6	18.01	-9,496.8	-131.4	1,828.6	1,647.3	181.30	10.086		
22,400.0	12,634.0	20,658.2	10,895.0	166.1	164.2	18.01	-9,596.8	-130.6	1,828.6	1,645.5	183.06	9.989		
22,500.0	12,634.0	20,758.2	10,895.0	167.7	165.8	18.01	-9,696.8	-129.8	1,828.6	1,643.7	184.82	9.894		
22,600.0	12,634.0	20,858.2	10,895.0	169.3	167.4	18.01	-9,796.8	-129.1	1,828.6	1,642.0	186.57	9.801		
22,700.0	12,634.0	20,958.2	10,895.0	170.9	169.0	18.01	-9,896.8	-128.3	1,828.6	1,640.2	188.33	9.709		
22,796.3	12,634.0	21,054.5	10,895.0	172.4	170.5	18.01	-9,993.1	-127.6	1,828.6	1,638.5	190.03	9.623		
22,796.7	12,634.0	21,054.9	10,895.0	172.5	170.5	18.01	-9,993.5	-127.6	1,828.6	1,638.5	190.03	9.622		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	74.32	30.8	109.7	114.0				
100.0	100.0	100.0	100.0	0.1	0.1	74.32	30.8	109.7	114.0	113.7	0.26	444.617	
200.0	200.0	200.0	200.0	0.5	0.5	74.32	30.8	109.7	114.0	113.0	0.97	117.091	
300.0	300.0	300.0	300.0	0.8	0.8	74.32	30.8	109.7	114.0	112.3	1.69	67.424	
400.0	400.0	400.0	400.0	1.2	1.2	74.32	30.8	109.7	114.0	111.6	2.41	47.342	
500.0	500.0	500.0	500.0	1.6	1.6	74.32	30.8	109.7	114.0	110.8	3.12	36.478	
600.0	600.0	600.0	600.0	1.9	1.9	74.32	30.8	109.7	114.0	110.1	3.84	29.669	
700.0	700.0	700.0	700.0	2.3	2.3	74.32	30.8	109.7	114.0	109.4	4.56	25.002	
800.0	800.0	800.0	800.0	2.6	2.6	74.32	30.8	109.7	114.0	108.7	5.27	21.604	
900.0	900.0	900.0	900.0	3.0	3.0	74.32	30.8	109.7	114.0	108.0	5.99	19.019	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	74.32	30.8	109.7	114.0	107.2	6.71	16.986	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	74.32	30.8	109.7	114.0	106.5	7.43	15.346	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	74.32	30.8	109.7	114.0	105.8	8.14	13.995	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	74.32	30.8	109.7	114.0	105.1	8.86	12.863	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	74.32	30.8	109.7	114.0	104.4	9.58	11.900	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	74.32	30.8	109.7	114.0	103.7	10.29	11.071	
1,600.0	1,600.0	1,600.0	1,600.0	5.5	5.5	40.71	30.8	109.7	113.3	102.3	11.01	10.291	
1,700.0	1,700.0	1,700.0	1,700.0	5.9	5.9	41.61	30.8	109.7	111.3	99.6	11.72	9.497	
1,800.0	1,799.9	1,800.1	1,799.9	6.2	6.2	43.16	30.8	109.7	108.1	95.7	12.44	8.692	
1,900.0	1,899.7	1,900.3	1,899.7	6.6	6.6	45.50	30.8	109.7	103.7	90.6	13.15	7.887	
2,000.0	1,999.4	2,000.6	1,999.4	6.9	6.9	48.79	30.8	109.7	98.4	84.5	13.87	7.094	
2,100.0	2,098.9	2,101.1	2,098.9	7.3	7.3	53.31	30.8	109.7	92.3	77.7	14.59	6.329	
2,200.0	2,198.3	2,201.7	2,198.3	7.7	7.7	59.39	30.8	109.7	86.0	70.7	15.31	5.618	
2,300.0	2,297.4	2,302.6	2,297.4	8.0	8.0	67.45	30.8	109.7	80.1	64.1	16.04	4.994	
2,400.0	2,396.4	2,403.6	2,396.4	8.4	8.4	77.11	30.8	109.7	75.8	59.1	16.79	4.518	
2,500.0	2,495.5	2,495.5	2,495.5	8.8	8.7	87.58	30.8	109.7	74.0	56.5	17.50	4.226	
2,522.7	2,517.9	2,517.9	2,517.9	8.9	8.8	89.97	30.8	109.7	73.9	56.2	17.67	4.182 CC	
2,600.0	2,594.5	2,594.6	2,594.6	9.2	9.1	97.63	31.4	110.2	74.6	56.3	18.24	4.089	
2,700.0	2,693.5	2,694.2	2,694.2	9.6	9.4	106.05	33.5	111.6	77.0	58.0	18.98	4.058	
2,800.0	2,792.5	2,794.2	2,794.1	9.9	9.8	112.69	37.0	114.1	80.3	60.6	19.71	4.075	
2,900.0	2,891.6	2,894.5	2,894.1	10.3	10.1	117.69	41.9	117.5	83.8	63.4	20.44	4.100	
3,000.0	2,990.6	2,995.0	2,994.4	10.7	10.5	121.28	48.3	122.0	87.0	65.8	21.17	4.109	
3,100.0	3,089.6	3,095.7	3,094.6	11.1	10.9	123.67	56.1	127.5	89.5	67.6	21.91	4.088	
3,200.0	3,188.6	3,196.5	3,194.8	11.5	11.2	125.00	65.4	134.0	91.2	68.6	22.64	4.030	
3,300.0	3,287.7	3,297.4	3,294.9	11.9	11.6	125.39	76.2	141.5	92.0	68.6	23.38	3.934	
3,400.0	3,386.7	3,397.5	3,393.9	12.3	12.0	125.29	87.6	149.5	92.2	68.1	24.14	3.820	
3,500.0	3,485.7	3,502.5	3,492.9	12.7	12.3	125.19	99.0	157.5	92.4	67.5	24.92	3.710	
3,600.0	3,584.8	3,602.6	3,592.0	13.1	12.7	125.10	110.4	165.5	92.7	67.0	25.68	3.609	
3,700.0	3,683.8	3,702.6	3,691.0	13.5	13.1	125.00	121.8	173.5	92.9	66.5	26.45	3.513	
3,800.0	3,782.8	3,802.6	3,790.0	13.9	13.5	124.90	133.2	181.5	93.1	65.9	27.22	3.422	
3,900.0	3,881.8	3,902.6	3,889.0	14.3	13.9	124.81	144.5	189.5	93.4	65.4	27.99	3.336	
4,000.0	3,980.9	4,002.6	3,988.1	14.7	14.2	124.71	155.9	197.4	93.6	64.8	28.76	3.254	
4,100.0	4,079.9	4,102.6	4,087.1	15.1	14.6	124.62	167.3	205.4	93.8	64.3	29.54	3.176	
4,200.0	4,178.9	4,202.6	4,186.1	15.5	15.0	124.52	178.7	213.4	94.0	63.7	30.32	3.102	
4,300.0	4,277.9	4,302.6	4,285.1	16.0	15.4	124.43	190.1	221.4	94.3	63.2	31.10	3.032	
4,400.0	4,377.0	4,402.6	4,384.2	16.4	15.8	124.33	201.5	229.4	94.5	62.6	31.88	2.965	
4,500.0	4,476.0	4,502.6	4,483.2	16.8	16.2	124.24	212.9	237.4	94.7	62.1	32.66	2.901	
4,600.0	4,575.0	4,602.6	4,582.2	17.2	16.6	124.15	224.3	245.4	95.0	61.5	33.45	2.840	
4,700.0	4,674.0	4,702.6	4,681.2	17.6	17.0	124.06	235.7	253.4	95.2	61.0	34.23	2.781	
4,800.0	4,773.1	4,802.6	4,780.3	18.0	17.4	123.97	247.1	261.4	95.4	60.4	35.02	2.725	
4,900.0	4,872.1	4,897.4	4,879.3	18.4	17.8	123.87	258.5	269.3	95.7	59.9	35.79	2.673	
4,941.9	4,913.6	4,939.3	4,920.8	18.6	17.9	123.84	263.3	272.7	95.8	59.6	36.12	2.651	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,971.2	5,002.6	4,978.3	18.8	18.2	123.56	269.9	277.3	95.6	59.0	36.60	2.613	
5,100.0	5,070.6	5,102.6	5,077.3	19.2	18.6	122.02	281.3	285.3	94.3	56.9	37.41	2.522	
5,200.0	5,170.2	5,202.8	5,176.2	19.6	19.0	119.02	292.7	293.3	91.8	53.6	38.25	2.401	
5,300.0	5,270.0	5,303.1	5,274.9	19.9	19.4	114.33	304.0	301.3	88.4	49.3	39.10	2.262	
5,400.0	5,370.0	5,403.7	5,373.3	20.3	19.8	107.67	315.4	309.2	84.9	44.9	39.96	2.123	
5,475.2	5,445.2	5,470.9	5,447.2	20.6	20.0	135.09	323.9	315.2	82.6	42.0	40.56	2.037	
5,500.0	5,470.0	5,495.5	5,471.5	20.6	20.1	132.74	326.7	317.1	82.1	41.3	40.76	2.014	
5,579.9	5,549.8	5,574.6	5,549.8	20.9	20.5	125.03	335.7	323.4	81.3	40.0	41.36	1.966	
5,600.0	5,570.0	5,605.5	5,569.6	21.0	20.6	123.08	337.9	325.0	81.4	39.8	41.54	1.959	
5,700.0	5,670.0	5,693.5	5,667.6	21.3	20.9	113.52	349.2	332.9	83.0	40.9	42.14	1.970	
5,800.0	5,770.0	5,793.1	5,766.3	21.6	21.3	104.89	360.1	340.6	86.7	44.0	42.72	2.029	
5,900.0	5,870.0	5,893.4	5,866.0	22.0	21.7	98.42	369.0	346.8	91.0	47.7	43.31	2.102	
6,000.0	5,970.0	5,994.3	5,966.6	22.3	22.1	93.93	375.8	351.6	95.0	51.1	43.91	2.164	
6,100.0	6,070.0	6,095.5	6,067.6	22.7	22.5	91.09	380.5	354.9	98.0	53.5	44.54	2.201	
6,200.0	6,170.0	6,197.0	6,169.0	23.0	22.8	89.66	383.0	356.6	99.7	54.5	45.18	2.207	
6,300.0	6,270.0	6,302.1	6,270.0	23.3	23.2	89.42	383.4	356.9	100.0	54.2	45.87	2.181	
6,400.0	6,370.0	6,402.1	6,370.0	23.7	23.5	89.42	383.4	356.9	100.0	53.5	46.56	2.148	
6,500.0	6,470.0	6,502.1	6,470.0	24.0	23.9	89.42	383.4	356.9	100.0	52.8	47.25	2.117	
6,600.0	6,570.0	6,602.1	6,570.0	24.3	24.2	89.42	383.4	356.9	100.0	52.1	47.94	2.087	
6,700.0	6,670.0	6,702.1	6,670.0	24.7	24.6	89.42	383.4	356.9	100.0	51.4	48.63	2.057	
6,800.0	6,770.0	6,802.1	6,770.0	25.0	24.9	89.42	383.4	356.9	100.0	50.7	49.32	2.028	
6,900.0	6,870.0	6,902.1	6,870.0	25.4	25.3	89.42	383.4	356.9	100.0	50.0	50.01	2.000	
7,000.0	6,970.0	7,002.1	6,970.0	25.7	25.6	89.42	383.4	356.9	100.0	49.3	50.70	1.973	
7,100.0	7,070.0	7,102.1	7,070.0	26.1	25.9	89.42	383.4	356.9	100.0	48.6	51.40	1.946	
7,200.0	7,170.0	7,202.1	7,170.0	26.4	26.3	89.42	383.4	356.9	100.0	47.9	52.09	1.920	
7,300.0	7,270.0	7,302.1	7,270.0	26.7	26.6	89.42	383.4	356.9	100.0	47.2	52.79	1.895	
7,400.0	7,370.0	7,402.1	7,370.0	27.1	27.0	89.42	383.4	356.9	100.0	46.5	53.48	1.870	
7,500.0	7,470.0	7,502.1	7,470.0	27.4	27.3	89.42	383.4	356.9	100.0	45.8	54.18	1.846	
7,600.0	7,570.0	7,602.1	7,570.0	27.8	27.7	89.42	383.4	356.9	100.0	45.1	54.87	1.823	
7,700.0	7,670.0	7,702.1	7,670.0	28.1	28.0	89.42	383.4	356.9	100.0	44.5	55.57	1.800	
7,800.0	7,770.0	7,802.1	7,770.0	28.5	28.4	89.42	383.4	356.9	100.0	43.8	56.27	1.778	
7,900.0	7,870.0	7,902.1	7,870.0	28.8	28.7	89.42	383.4	356.9	100.0	43.1	56.96	1.756	
8,000.0	7,970.0	8,002.1	7,970.0	29.2	29.1	89.42	383.4	356.9	100.0	42.4	57.66	1.735	
8,100.0	8,070.0	8,102.1	8,070.0	29.5	29.4	89.42	383.4	356.9	100.0	41.7	58.36	1.714	
8,200.0	8,170.0	8,202.1	8,170.0	29.9	29.8	89.42	383.4	356.9	100.0	41.0	59.06	1.694	
8,300.0	8,270.0	8,302.1	8,270.0	30.2	30.1	89.42	383.4	356.9	100.0	40.3	59.76	1.674	
8,400.0	8,370.0	8,402.1	8,370.0	30.5	30.5	89.42	383.4	356.9	100.0	39.6	60.46	1.654	
8,500.0	8,470.0	8,502.1	8,470.0	30.9	30.8	89.42	383.4	356.9	100.0	38.9	61.16	1.635	
8,600.0	8,570.0	8,602.1	8,570.0	31.2	31.1	89.42	383.4	356.9	100.0	38.2	61.86	1.617	
8,700.0	8,670.0	8,702.1	8,670.0	31.6	31.5	89.42	383.4	356.9	100.0	37.5	62.56	1.599	
8,800.0	8,770.0	8,802.1	8,770.0	31.9	31.8	89.42	383.4	356.9	100.0	36.8	63.26	1.581	
8,900.0	8,870.0	8,902.1	8,870.0	32.3	32.2	89.42	383.4	356.9	100.0	36.1	63.97	1.564	
9,000.0	8,970.0	9,002.1	8,970.0	32.6	32.5	89.42	383.4	356.9	100.0	35.4	64.67	1.547	
9,100.0	9,070.0	9,102.1	9,070.0	33.0	32.9	89.42	383.4	356.9	100.0	34.7	65.37	1.530	
9,200.0	9,170.0	9,202.1	9,170.0	33.3	33.2	89.42	383.4	356.9	100.0	33.9	66.07	1.514	
9,300.0	9,270.0	9,302.1	9,270.0	33.7	33.6	89.42	383.4	356.9	100.0	33.2	66.78	1.498 Level 3	
9,400.0	9,370.0	9,402.1	9,370.0	34.0	33.9	89.42	383.4	356.9	100.0	32.5	67.48	1.482 Level 3	
9,500.0	9,470.0	9,502.1	9,470.0	34.4	34.3	89.42	383.4	356.9	100.0	31.8	68.18	1.467 Level 3	
9,600.0	9,570.0	9,602.1	9,570.0	34.7	34.6	89.42	383.4	356.9	100.0	31.1	68.89	1.452 Level 3	
9,700.0	9,670.0	9,702.1	9,670.0	35.1	35.0	89.42	383.4	356.9	100.0	30.4	69.59	1.437 Level 3	
9,800.0	9,770.0	9,802.1	9,770.0	35.4	35.4	89.42	383.4	356.9	100.0	29.7	70.30	1.423 Level 3	
9,900.0	9,870.0	9,902.1	9,870.0	35.8	35.7	89.42	383.4	356.9	100.0	29.0	71.00	1.409 Level 3	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,000.0	9,970.0	10,002.1	9,970.0	36.1	36.1	89.42	383.4	356.9	100.0	28.3	71.71	1.395	Level 3
10,100.0	10,070.0	10,102.1	10,070.0	36.5	36.4	89.42	383.4	356.9	100.0	27.6	72.41	1.381	Level 3
10,200.0	10,170.0	10,202.1	10,170.0	36.8	36.8	89.42	383.4	356.9	100.0	26.9	73.12	1.368	Level 3
10,300.0	10,270.0	10,302.1	10,270.0	37.2	37.1	89.42	383.4	356.9	100.0	26.2	73.82	1.355	Level 3
10,303.7	10,273.7	10,301.6	10,273.7	37.2	37.1	89.42	383.4	356.9	100.0	26.2	73.83	1.355	Level 3
10,400.0	10,370.0	10,396.9	10,368.9	37.5	37.4	90.29	381.8	357.1	100.2	25.7	74.53	1.345	Level 3, ES, SF
10,500.0	10,470.0	10,492.0	10,462.8	37.9	37.7	98.42	367.2	359.2	103.7	28.5	75.21	1.378	Level 3
10,600.0	10,570.0	10,580.1	10,546.4	38.2	37.9	111.69	340.1	363.0	116.7	41.8	74.83	1.559	
10,700.0	10,670.0	10,658.3	10,616.4	38.6	38.1	124.61	305.7	367.9	145.2	73.1	72.09	2.014	
10,800.0	10,770.0	10,725.8	10,672.5	38.9	38.2	134.34	268.6	373.2	189.6	121.9	67.75	2.799	
10,900.0	10,870.0	10,783.1	10,716.4	39.3	38.3	141.01	232.2	378.4	246.8	183.6	63.20	3.904	
11,000.0	10,970.0	10,831.5	10,750.5	39.6	38.4	145.54	198.2	383.2	313.1	254.0	59.10	5.299	
11,100.0	11,070.0	10,872.3	10,776.9	40.0	38.4	148.69	167.4	387.6	386.3	330.7	55.59	6.949	
11,200.0	11,170.0	10,900.0	10,793.5	40.3	38.4	150.53	145.5	390.7	464.5	412.5	52.00	8.933	
11,300.0	11,270.0	10,936.3	10,813.6	40.7	38.4	152.63	115.5	395.0	546.4	496.1	50.23	10.876	
11,400.0	11,370.0	10,961.6	10,826.5	41.0	38.5	153.91	94.0	398.1	631.2	583.0	48.24	13.085	
11,500.0	11,470.0	10,983.5	10,836.8	41.4	38.5	154.91	74.9	400.8	718.4	671.8	46.61	15.414	
11,600.0	11,570.0	11,000.0	10,844.2	41.8	38.5	155.61	60.3	402.9	807.4	762.2	45.13	17.888	
11,700.0	11,670.0	11,019.2	10,852.1	42.1	38.5	156.37	43.0	405.3	897.8	853.6	44.18	20.321	
11,800.0	11,770.0	11,033.9	10,857.8	42.5	38.5	156.91	29.6	407.2	989.5	946.1	43.30	22.849	
11,900.0	11,870.0	11,050.0	10,863.7	42.8	38.6	157.47	14.7	409.3	1,082.1	1,039.4	42.72	25.333	
12,000.0	11,970.0	11,050.0	10,863.7	43.2	38.6	157.47	14.7	409.3	1,175.7	1,133.9	41.74	28.164	
12,091.0	12,061.0	11,068.2	10,869.8	43.5	38.6	158.06	-2.3	411.8	1,261.3	1,219.7	41.63	30.297	
12,100.0	12,070.0	11,069.1	10,870.1	43.5	38.6	-13.32	-3.1	411.9	1,269.7	1,228.2	41.59	30.527	
12,150.0	12,119.9	11,074.8	10,871.9	43.7	38.6	-10.64	-8.5	412.6	1,316.1	1,274.7	41.36	31.822	
12,200.0	12,169.3	11,081.4	10,873.9	43.8	38.6	-8.84	-14.7	413.5	1,360.8	1,319.8	41.08	33.130	
12,250.0	12,217.9	11,100.0	10,879.1	44.0	38.7	-7.47	-32.3	416.0	1,404.0	1,362.9	41.05	34.200	
12,300.0	12,265.4	11,100.0	10,879.1	44.1	38.7	-6.60	-32.3	416.0	1,444.9	1,404.4	40.49	35.685	
12,350.0	12,311.2	11,100.0	10,879.1	44.2	38.7	-5.92	-32.3	416.0	1,483.8	1,443.9	39.92	37.166	
12,400.0	12,355.2	11,100.0	10,879.1	44.3	38.7	-5.39	-32.3	416.0	1,520.6	1,481.3	39.37	38.627	
12,450.0	12,396.9	11,125.1	10,885.3	44.4	38.7	-4.89	-56.4	419.5	1,554.5	1,515.1	39.31	39.540	
12,500.0	12,436.1	11,150.0	10,890.4	44.5	38.8	-4.50	-80.6	422.9	1,586.2	1,547.0	39.22	40.448	
12,550.0	12,472.4	11,150.0	10,890.4	44.5	38.8	-4.24	-80.6	422.9	1,614.7	1,576.1	38.66	41.765	
12,600.0	12,505.6	11,150.0	10,890.4	44.6	38.8	-4.02	-80.6	422.9	1,640.7	1,602.5	38.17	42.986	
12,650.0	12,535.4	11,168.8	10,893.5	44.6	38.8	-3.82	-99.0	425.5	1,663.6	1,625.6	37.98	43.797	
12,700.0	12,561.6	11,180.5	10,895.1	44.7	38.9	-3.67	-110.4	427.1	1,683.6	1,645.8	37.73	44.616	
12,750.0	12,584.0	11,200.0	10,897.3	44.7	38.9	-3.54	-129.6	429.9	1,700.5	1,662.9	37.61	45.219	
12,800.0	12,602.4	11,200.0	10,897.3	44.7	38.9	-3.45	-129.6	429.9	1,714.2	1,676.9	37.35	45.890	
12,850.0	12,616.7	11,200.0	10,897.3	44.8	38.9	-3.39	-129.6	429.9	1,725.0	1,687.8	37.22	46.351	
12,900.0	12,626.7	11,229.1	10,899.4	44.9	39.0	-3.34	-158.3	434.0	1,732.0	1,694.7	37.29	46.442	
12,950.0	12,632.5	11,254.9	10,900.0	45.0	39.0	-3.31	-183.9	437.6	1,736.3	1,698.9	37.38	46.444	
12,991.0	12,634.0	11,254.9	10,900.0	45.1	39.0	-3.31	-183.9	437.6	1,736.9	1,699.5	37.46	46.370	
13,000.0	12,634.0	11,254.9	10,900.0	45.1	39.0	-3.31	-183.9	437.6	1,736.9	1,699.4	37.49	46.335	
13,003.5	12,634.0	11,254.9	10,900.0	45.1	39.0	-3.31	-183.9	437.6	1,736.9	1,699.4	37.50	46.319	
13,100.0	12,634.0	11,354.3	10,900.0	45.4	39.3	-3.33	-282.5	449.9	1,736.9	1,699.0	37.88	45.851	
13,200.0	12,634.0	11,458.0	10,900.0	45.7	39.7	-3.34	-385.7	459.1	1,737.0	1,698.6	38.34	45.308	
13,300.0	12,634.0	11,561.6	10,900.0	46.0	40.1	-3.35	-489.2	464.5	1,737.0	1,698.1	38.85	44.708	
13,368.8	12,634.0	11,632.9	10,900.0	46.3	40.4	-3.36	-560.5	466.1	1,737.0	1,697.7	39.23	44.271	
13,400.0	12,634.0	11,664.3	10,900.0	46.4	40.6	-3.36	-591.9	466.3	1,737.0	1,697.6	39.42	44.063	
13,500.0	12,634.0	11,764.3	10,900.0	46.8	41.1	-3.36	-691.9	467.1	1,737.0	1,696.9	40.05	43.373	
13,600.0	12,634.0	11,864.3	10,900.0	47.3	41.7	-3.35	-791.9	467.8	1,737.0	1,696.3	40.72	42.652	
13,700.0	12,634.0	11,964.3	10,900.0	47.9	42.3	-3.35	-891.9	468.6	1,737.0	1,695.5	41.45	41.905	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,800.0	12,634.0	12,064.3	10,900.0	48.4	43.0	-3.35	-991.9	469.4	1,737.0	1,694.8	42.22	41.138	
13,900.0	12,634.0	12,164.3	10,900.0	49.1	43.7	-3.35	-1,091.9	470.1	1,737.0	1,693.9	43.04	40.357	
14,000.0	12,634.0	12,264.3	10,900.0	49.7	44.5	-3.35	-1,191.9	470.9	1,737.0	1,693.1	43.90	39.568	
14,100.0	12,634.0	12,364.3	10,900.0	50.5	45.3	-3.35	-1,291.9	471.7	1,737.0	1,692.2	44.80	38.775	
14,200.0	12,634.0	12,464.3	10,900.0	51.2	46.2	-3.35	-1,391.9	472.4	1,737.0	1,691.2	45.73	37.983	
14,300.0	12,634.0	12,564.3	10,900.0	52.0	47.1	-3.35	-1,491.9	473.2	1,737.0	1,690.3	46.70	37.195	
14,400.0	12,634.0	12,664.3	10,900.0	52.9	48.0	-3.35	-1,591.9	474.0	1,737.0	1,689.3	47.70	36.414	
14,500.0	12,634.0	12,764.3	10,900.0	53.8	49.0	-3.35	-1,691.9	474.7	1,737.0	1,688.2	48.73	35.643	
14,600.0	12,634.0	12,864.3	10,900.0	54.7	50.0	-3.35	-1,791.9	475.5	1,737.0	1,687.2	49.79	34.884	
14,700.0	12,634.0	12,964.3	10,900.0	55.7	51.1	-3.35	-1,891.9	476.3	1,737.0	1,686.1	50.88	34.139	
14,800.0	12,634.0	13,064.3	10,900.0	56.6	52.2	-3.35	-1,991.9	477.0	1,737.0	1,685.0	51.99	33.409	
14,900.0	12,634.0	13,164.3	10,900.0	57.7	53.3	-3.35	-2,091.9	477.8	1,737.0	1,683.8	53.13	32.696	
15,000.0	12,634.0	13,264.3	10,900.0	58.7	54.4	-3.35	-2,191.9	478.6	1,737.0	1,682.7	54.28	31.999	
15,100.0	12,634.0	13,364.3	10,900.0	59.8	55.6	-3.35	-2,291.9	479.3	1,737.0	1,681.5	55.46	31.319	
15,200.0	12,634.0	13,464.3	10,900.0	60.9	56.8	-3.35	-2,391.9	480.1	1,737.0	1,680.3	56.66	30.658	
15,300.0	12,634.0	13,564.3	10,900.0	62.0	58.0	-3.35	-2,491.9	480.9	1,737.0	1,679.1	57.87	30.014	
15,400.0	12,634.0	13,664.3	10,900.0	63.1	59.3	-3.35	-2,591.9	481.6	1,737.0	1,677.9	59.10	29.389	
15,500.0	12,634.0	13,764.3	10,900.0	64.3	60.5	-3.35	-2,691.9	482.4	1,737.0	1,676.6	60.35	28.781	
15,600.0	12,634.0	13,864.3	10,900.0	65.5	61.8	-3.35	-2,791.9	483.2	1,737.0	1,675.4	61.61	28.191	
15,700.0	12,634.0	13,964.3	10,900.0	66.7	63.1	-3.35	-2,891.9	483.9	1,737.0	1,674.1	62.89	27.619	
15,800.0	12,634.0	14,064.3	10,900.0	67.9	64.4	-3.35	-2,991.8	484.7	1,737.0	1,672.8	64.18	27.063	
15,900.0	12,634.0	14,164.3	10,900.0	69.2	65.7	-3.35	-3,091.8	485.5	1,737.0	1,671.5	65.48	26.525	
16,000.0	12,634.0	14,264.3	10,900.0	70.4	67.0	-3.35	-3,191.8	486.2	1,737.0	1,670.2	66.80	26.003	
16,100.0	12,634.0	14,364.3	10,900.0	71.7	68.4	-3.35	-3,291.8	487.0	1,737.0	1,668.8	68.12	25.497	
16,200.0	12,634.0	14,464.3	10,900.0	73.0	69.8	-3.35	-3,391.8	487.8	1,737.0	1,667.5	69.46	25.007	
16,300.0	12,634.0	14,564.3	10,900.0	74.3	71.1	-3.35	-3,491.8	488.5	1,737.0	1,666.2	70.81	24.531	
16,400.0	12,634.0	14,664.3	10,900.0	75.6	72.5	-3.35	-3,591.8	489.3	1,737.0	1,664.8	72.16	24.071	
16,500.0	12,634.0	14,764.3	10,900.0	77.0	73.9	-3.34	-3,691.8	490.1	1,737.0	1,663.4	73.53	23.624	
16,600.0	12,634.0	14,864.3	10,900.0	78.3	75.3	-3.34	-3,791.8	490.8	1,737.0	1,662.1	74.90	23.191	
16,700.0	12,634.0	14,964.3	10,900.0	79.7	76.8	-3.34	-3,891.8	491.6	1,737.0	1,660.7	76.28	22.771	
16,800.0	12,634.0	15,064.3	10,900.0	81.0	78.2	-3.34	-3,991.8	492.4	1,737.0	1,659.3	77.67	22.364	
16,900.0	12,634.0	15,164.3	10,900.0	82.4	79.6	-3.34	-4,091.8	493.1	1,737.0	1,657.9	79.06	21.970	
17,000.0	12,634.0	15,264.3	10,900.0	83.8	81.1	-3.34	-4,191.8	493.9	1,737.0	1,656.5	80.46	21.587	
17,100.0	12,634.0	15,364.3	10,900.0	85.2	82.5	-3.34	-4,291.8	494.7	1,737.0	1,655.1	81.87	21.216	
17,200.0	12,634.0	15,464.3	10,900.0	86.6	84.0	-3.34	-4,391.8	495.4	1,737.0	1,653.7	83.28	20.856	
17,300.0	12,634.0	15,564.3	10,900.0	88.0	85.5	-3.34	-4,491.8	496.2	1,737.0	1,652.2	84.70	20.506	
17,400.0	12,634.0	15,664.3	10,900.0	89.4	86.9	-3.34	-4,591.8	497.0	1,737.0	1,650.8	86.13	20.167	
17,500.0	12,634.0	15,764.3	10,900.0	90.9	88.4	-3.34	-4,691.8	497.7	1,737.0	1,649.4	87.56	19.837	
17,600.0	12,634.0	15,864.3	10,900.0	92.3	89.9	-3.34	-4,791.8	498.5	1,737.0	1,648.0	89.00	19.517	
17,700.0	12,634.0	15,964.3	10,900.0	93.8	91.4	-3.34	-4,891.8	499.3	1,737.0	1,646.5	90.44	19.206	
17,800.0	12,634.0	16,064.3	10,900.0	95.2	92.9	-3.34	-4,991.8	500.0	1,737.0	1,645.1	91.88	18.904	
17,900.0	12,634.0	16,164.3	10,900.0	96.7	94.4	-3.34	-5,091.8	500.8	1,737.0	1,643.6	93.33	18.611	
18,000.0	12,634.0	16,264.3	10,900.0	98.1	95.9	-3.34	-5,191.8	501.6	1,736.9	1,642.2	94.78	18.326	
18,100.0	12,634.0	16,364.3	10,900.0	99.6	97.4	-3.34	-5,291.8	502.3	1,736.9	1,640.7	96.24	18.048	
18,200.0	12,634.0	16,464.3	10,900.0	101.1	98.9	-3.34	-5,391.8	503.1	1,736.9	1,639.2	97.70	17.778	
18,300.0	12,634.0	16,564.3	10,900.0	102.6	100.4	-3.34	-5,491.8	503.9	1,736.9	1,637.8	99.16	17.516	
18,400.0	12,634.0	16,664.3	10,900.0	104.1	102.0	-3.34	-5,591.8	504.7	1,736.9	1,636.3	100.63	17.260	
18,500.0	12,634.0	16,764.3	10,900.0	105.6	103.5	-3.34	-5,691.8	505.4	1,736.9	1,634.8	102.10	17.012	
18,600.0	12,634.0	16,864.3	10,900.0	107.0	105.0	-3.34	-5,791.8	506.2	1,736.9	1,633.4	103.58	16.769	
18,700.0	12,634.0	16,964.3	10,900.0	108.5	106.6	-3.34	-5,891.8	507.0	1,736.9	1,631.9	105.06	16.534	
18,800.0	12,634.0	17,064.3	10,900.0	110.1	108.1	-3.34	-5,991.8	507.7	1,736.9	1,630.4	106.54	16.304	
18,900.0	12,634.0	17,164.3	10,900.0	111.6	109.7	-3.34	-6,091.8	508.5	1,736.9	1,628.9	108.02	16.080	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #136H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,000.0	12,634.0	17,264.3	10,900.0	113.1	111.2	-3.34	-6,191.8	509.3	1,736.9	1,627.4	109.50	15.862		
19,100.0	12,634.0	17,364.3	10,900.0	114.6	112.8	-3.34	-6,291.8	510.0	1,736.9	1,626.0	110.99	15.649		
19,200.0	12,634.0	17,464.3	10,900.0	116.1	114.3	-3.34	-6,391.7	510.8	1,736.9	1,624.5	112.48	15.442		
19,300.0	12,634.0	17,564.3	10,900.0	117.6	115.9	-3.33	-6,491.7	511.6	1,736.9	1,623.0	113.98	15.240		
19,400.0	12,634.0	17,664.3	10,900.0	119.2	117.4	-3.33	-6,591.7	512.3	1,736.9	1,621.5	115.47	15.042		
19,500.0	12,634.0	17,764.3	10,900.0	120.7	119.0	-3.33	-6,691.7	513.1	1,736.9	1,620.0	116.97	14.850		
19,600.0	12,634.0	17,864.3	10,900.0	122.2	120.5	-3.33	-6,791.7	513.9	1,736.9	1,618.5	118.47	14.662		
19,700.0	12,634.0	17,964.3	10,900.0	123.8	122.1	-3.33	-6,891.7	514.6	1,736.9	1,617.0	119.97	14.478		
19,800.0	12,634.0	18,064.3	10,900.0	125.3	123.7	-3.33	-6,991.7	515.4	1,736.9	1,615.5	121.47	14.299		
19,900.0	12,634.0	18,164.3	10,900.0	126.9	125.2	-3.33	-7,091.7	516.2	1,736.9	1,614.0	122.98	14.124		
20,000.0	12,634.0	18,264.3	10,900.0	128.4	126.8	-3.33	-7,191.7	516.9	1,736.9	1,612.5	124.49	13.953		
20,100.0	12,634.0	18,364.3	10,900.0	130.0	128.4	-3.33	-7,291.7	517.7	1,736.9	1,610.9	125.99	13.786		
20,200.0	12,634.0	18,464.3	10,900.0	131.5	130.0	-3.33	-7,391.7	518.5	1,736.9	1,609.4	127.50	13.623		
20,300.0	12,634.0	18,564.3	10,900.0	133.1	131.5	-3.33	-7,491.7	519.2	1,736.9	1,607.9	129.02	13.463		
20,400.0	12,634.0	18,664.3	10,900.0	134.6	133.1	-3.33	-7,591.7	520.0	1,736.9	1,606.4	130.53	13.307		
20,500.0	12,634.0	18,764.3	10,900.0	136.2	134.7	-3.33	-7,691.7	520.8	1,736.9	1,604.9	132.05	13.154		
20,600.0	12,634.0	18,864.3	10,900.0	137.7	136.3	-3.33	-7,791.7	521.5	1,736.9	1,603.4	133.56	13.005		
20,700.0	12,634.0	18,964.3	10,900.0	139.3	137.9	-3.33	-7,891.7	522.3	1,736.9	1,601.9	135.08	12.859		
20,800.0	12,634.0	19,064.3	10,900.0	140.9	139.5	-3.33	-7,991.7	523.1	1,736.9	1,600.3	136.60	12.715		
20,900.0	12,634.0	19,164.3	10,900.0	142.4	141.1	-3.33	-8,091.7	523.8	1,736.9	1,598.8	138.12	12.575		
21,000.0	12,634.0	19,264.3	10,900.0	144.0	142.6	-3.33	-8,191.7	524.6	1,736.9	1,597.3	139.64	12.438		
21,100.0	12,634.0	19,364.3	10,900.0	145.6	144.2	-3.33	-8,291.7	525.4	1,736.9	1,595.8	141.17	12.304		
21,200.0	12,634.0	19,464.3	10,900.0	147.1	145.8	-3.33	-8,391.7	526.1	1,736.9	1,594.2	142.69	12.173		
21,300.0	12,634.0	19,564.3	10,900.0	148.7	147.4	-3.33	-8,491.7	526.9	1,736.9	1,592.7	144.22	12.044		
21,400.0	12,634.0	19,664.3	10,900.0	150.3	149.0	-3.33	-8,591.7	527.7	1,736.9	1,591.2	145.74	11.918		
21,500.0	12,634.0	19,764.3	10,900.0	151.9	150.6	-3.33	-8,691.7	528.4	1,736.9	1,589.7	147.27	11.794		
21,600.0	12,634.0	19,864.3	10,900.0	153.4	152.2	-3.33	-8,791.7	529.2	1,736.9	1,588.1	148.80	11.673		
21,700.0	12,634.0	19,964.3	10,900.0	155.0	153.8	-3.33	-8,891.7	530.0	1,736.9	1,586.6	150.33	11.554		
21,800.0	12,634.0	20,064.3	10,900.0	156.6	155.4	-3.33	-8,991.7	530.7	1,736.9	1,585.1	151.86	11.438		
21,900.0	12,634.0	20,164.3	10,900.0	158.2	157.0	-3.33	-9,091.7	531.5	1,736.9	1,583.5	153.39	11.323		
22,000.0	12,634.0	20,264.3	10,900.0	159.8	158.6	-3.33	-9,191.7	532.3	1,736.9	1,582.0	154.93	11.211		
22,100.0	12,634.0	20,364.3	10,900.0	161.4	160.2	-3.32	-9,291.7	533.0	1,736.9	1,580.5	156.46	11.101		
22,200.0	12,634.0	20,464.3	10,900.0	163.0	161.8	-3.32	-9,391.7	533.8	1,736.9	1,578.9	157.99	10.994		
22,300.0	12,634.0	20,564.3	10,900.0	164.5	163.4	-3.32	-9,491.7	534.6	1,736.9	1,577.4	159.53	10.888		
22,400.0	12,634.0	20,664.3	10,900.0	166.1	165.0	-3.32	-9,591.7	535.3	1,736.9	1,575.9	161.07	10.784		
22,500.0	12,634.0	20,764.3	10,900.0	167.7	166.6	-3.32	-9,691.7	536.1	1,736.9	1,574.3	162.60	10.682		
22,600.0	12,634.0	20,864.3	10,900.0	169.3	168.2	-3.32	-9,791.6	536.9	1,736.9	1,572.8	164.14	10.582		
22,700.0	12,634.0	20,964.3	10,900.0	170.9	169.8	-3.32	-9,891.6	537.6	1,736.9	1,571.2	165.68	10.484		
22,796.3	12,634.0	21,060.7	10,900.0	172.4	171.4	-3.32	-9,988.0	538.4	1,736.9	1,569.8	167.16	10.391		
22,796.7	12,634.0	21,061.0	10,900.0	172.5	171.4	-3.32	-9,988.3	538.4	1,736.9	1,569.8	167.17	10.390		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	4.0	-4.0	0.0	0.0	89.59	8.7	1,226.8	1,226.8				
100.0	100.0	104.0	96.0	0.1	0.1	89.59	8.7	1,226.8	1,226.8	1,226.5	0.27	4,473.578	
200.0	200.0	204.0	196.0	0.5	0.5	89.59	8.7	1,226.8	1,226.8	1,225.8	0.99	1,237.718	
300.0	300.0	304.0	296.0	0.8	0.9	89.59	8.7	1,226.8	1,226.8	1,225.1	1.71	718.214	
400.0	400.0	404.0	396.0	1.2	1.2	89.59	8.7	1,226.8	1,226.8	1,224.4	2.43	505.882	
500.0	500.0	504.0	496.0	1.6	1.6	89.59	8.7	1,226.8	1,226.8	1,223.7	3.14	390.450	
600.0	600.0	604.0	596.0	1.9	1.9	89.59	8.7	1,226.8	1,226.8	1,222.9	3.86	317.909	
700.0	700.0	704.0	696.0	2.3	2.3	89.59	8.7	1,226.8	1,226.8	1,222.2	4.58	268.100	
800.0	800.0	804.0	796.0	2.6	2.7	89.59	8.7	1,226.8	1,226.8	1,221.5	5.29	231.784	
900.0	900.0	904.0	896.0	3.0	3.0	89.59	8.7	1,226.8	1,226.8	1,220.8	6.01	204.133	
1,000.0	1,000.0	996.0	996.0	3.4	3.3	89.59	8.7	1,226.8	1,226.8	1,220.1	6.70	183.157	
1,100.0	1,100.0	1,110.8	1,110.8	3.7	3.8	89.55	9.6	1,226.1	1,226.2	1,218.7	7.47	164.254	
1,200.0	1,200.0	1,226.1	1,226.1	4.1	4.2	89.43	12.2	1,224.0	1,224.4	1,216.2	8.23	148.730	
1,300.0	1,300.0	1,341.3	1,341.1	4.4	4.6	89.22	16.6	1,220.4	1,221.3	1,212.3	9.00	135.724	
1,400.0	1,400.0	1,456.1	1,455.6	4.8	5.0	88.92	22.8	1,215.3	1,217.0	1,207.2	9.76	124.638	
1,500.0	1,500.0	1,570.6	1,569.7	5.1	5.4	88.54	30.8	1,208.9	1,211.5	1,201.0	10.53	115.054	
1,600.0	1,600.0	1,684.7	1,683.1	5.5	5.8	54.27	40.5	1,201.0	1,204.4	1,193.1	11.30	106.624	
1,700.0	1,700.0	1,798.3	1,795.7	5.9	6.3	53.90	51.9	1,191.8	1,195.0	1,183.0	12.06	99.081	
1,800.0	1,799.9	1,911.3	1,907.5	6.2	6.7	53.53	64.9	1,181.2	1,183.6	1,170.7	12.83	92.245	
1,900.0	1,899.7	2,023.7	2,018.2	6.6	7.1	53.16	79.6	1,169.3	1,170.0	1,156.4	13.60	85.998	
2,000.0	1,999.4	2,135.3	2,127.9	6.9	7.6	52.79	95.8	1,156.2	1,154.3	1,139.9	14.38	80.244	
2,100.0	2,098.9	2,240.9	2,231.2	7.3	8.0	52.44	112.6	1,142.6	1,136.6	1,121.4	15.16	74.992	
2,200.0	2,198.3	2,338.7	2,327.0	7.7	8.5	52.17	128.4	1,129.7	1,117.7	1,101.8	15.91	70.235	
2,300.0	2,297.4	2,436.5	2,422.6	8.0	8.9	51.98	144.2	1,116.9	1,097.9	1,081.2	16.68	65.824	
2,400.0	2,396.4	2,534.2	2,518.2	8.4	9.3	51.64	160.0	1,104.1	1,077.5	1,060.1	17.45	61.749	
2,500.0	2,495.5	2,631.9	2,613.8	8.8	9.7	51.30	175.7	1,091.3	1,057.2	1,039.0	18.23	58.001	
2,600.0	2,594.5	2,729.7	2,709.3	9.2	10.2	50.94	191.5	1,078.6	1,037.0	1,018.0	19.01	54.545	
2,700.0	2,693.5	2,827.4	2,804.9	9.6	10.6	50.56	207.3	1,065.8	1,016.7	996.9	19.80	51.350	
2,800.0	2,792.5	2,925.1	2,900.5	9.9	11.1	50.18	223.1	1,053.0	996.6	976.0	20.59	48.390	
2,900.0	2,891.6	3,022.8	2,996.1	10.3	11.5	49.77	238.9	1,040.2	976.4	955.0	21.39	45.642	
3,000.0	2,990.6	3,120.5	3,091.6	10.7	12.0	49.35	254.6	1,027.4	956.3	934.1	22.20	43.086	
3,100.0	3,089.6	3,218.2	3,187.2	11.1	12.4	48.91	270.4	1,014.6	936.3	913.3	23.00	40.704	
3,200.0	3,188.6	3,315.9	3,282.8	11.5	12.9	48.45	286.2	1,001.8	916.3	892.5	23.81	38.479	
3,300.0	3,287.7	3,413.6	3,378.4	11.9	13.3	47.97	302.0	989.0	896.4	871.8	24.63	36.398	
3,400.0	3,386.7	3,511.4	3,473.9	12.3	13.8	47.47	317.8	976.2	876.5	851.1	25.44	34.449	
3,500.0	3,485.7	3,606.0	3,566.5	12.7	14.2	46.97	333.0	963.9	856.8	830.6	26.26	32.630	
3,600.0	3,584.8	3,694.4	3,653.3	13.1	14.6	46.58	346.0	953.3	838.0	810.9	27.05	30.977	
3,700.0	3,683.8	3,783.3	3,741.0	13.5	15.0	46.29	357.5	944.0	820.3	792.5	27.83	29.473	
3,800.0	3,782.8	3,872.8	3,829.6	13.9	15.4	46.13	367.4	935.9	803.8	775.2	28.60	28.104	
3,900.0	3,881.8	3,962.6	3,918.8	14.3	15.8	46.10	375.8	929.1	788.3	759.0	29.35	26.859	
4,000.0	3,980.9	4,052.8	4,008.5	14.7	16.1	46.20	382.6	923.6	774.0	743.9	30.09	25.726	
4,100.0	4,079.9	4,143.1	4,098.5	15.1	16.4	46.45	387.7	919.5	760.8	730.0	30.81	24.697	
4,200.0	4,178.9	4,233.5	4,188.8	15.5	16.7	46.85	391.2	916.6	748.8	717.3	31.51	23.764	
4,300.0	4,277.9	4,323.9	4,279.2	16.0	17.1	47.41	393.1	915.2	738.0	705.8	32.20	22.921	
4,400.0	4,377.0	4,417.7	4,373.0	16.4	17.4	48.14	393.4	914.9	728.4	695.5	32.88	22.152	
4,500.0	4,476.0	4,516.7	4,472.0	16.8	17.7	48.96	393.4	914.9	719.1	685.5	33.58	21.415	
4,600.0	4,575.0	4,615.7	4,571.0	17.2	18.0	49.80	393.4	914.9	710.0	675.7	34.28	20.711	
4,700.0	4,674.0	4,714.7	4,670.0	17.6	18.3	50.67	393.4	914.9	701.0	666.1	34.99	20.037	
4,800.0	4,773.1	4,813.8	4,769.1	18.0	18.6	51.55	393.4	914.9	692.3	656.6	35.70	19.394	
4,900.0	4,872.1	4,912.8	4,868.1	18.4	18.9	52.46	393.4	914.9	683.6	647.2	36.41	18.778	
4,941.9	4,913.6	4,954.3	4,909.6	18.6	19.1	52.85	393.4	914.9	680.1	643.4	36.70	18.528	
5,000.0	4,971.2	5,011.9	4,967.2	18.8	19.3	53.31	393.4	914.9	675.5	638.3	37.12	18.197	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,070.6	5,111.3	5,066.6	19.2	19.6	53.99	393.4	914.9	668.8	631.0	37.83	17.682	
5,200.0	5,170.2	5,210.9	5,166.2	19.6	19.9	54.52	393.4	914.9	663.9	625.3	38.53	17.231	
5,300.0	5,270.0	5,310.7	5,266.0	19.9	20.2	54.89	393.4	914.9	660.5	621.2	39.22	16.839	
5,400.0	5,370.0	5,410.7	5,366.0	20.3	20.6	55.10	393.4	914.9	658.6	618.7	39.91	16.502	
5,475.2	5,445.2	5,485.9	5,441.2	20.6	20.8	89.04	393.4	914.9	658.2	617.7	40.42	16.283	
5,500.0	5,470.0	5,510.7	5,466.0	20.6	20.9	89.04	393.4	914.9	658.2	617.6	40.59	16.216	
5,600.0	5,570.0	5,610.7	5,566.0	21.0	21.2	89.04	393.4	914.9	658.2	616.9	41.26	15.951	
5,700.0	5,670.0	5,710.7	5,666.0	21.3	21.5	89.04	393.4	914.9	658.2	616.2	41.94	15.693	
5,800.0	5,770.0	5,810.7	5,766.0	21.6	21.9	89.04	393.4	914.9	658.2	615.5	42.62	15.443	
5,900.0	5,870.0	5,910.7	5,866.0	22.0	22.2	89.04	393.4	914.9	658.2	614.9	43.30	15.201	
6,000.0	5,970.0	6,010.7	5,966.0	22.3	22.5	89.04	393.4	914.9	658.2	614.2	43.98	14.966	
6,100.0	6,070.0	6,110.7	6,066.0	22.7	22.9	89.04	393.4	914.9	658.2	613.5	44.66	14.737	
6,200.0	6,170.0	6,210.7	6,166.0	23.0	23.2	89.04	393.4	914.9	658.2	612.8	45.34	14.515	
6,300.0	6,270.0	6,310.7	6,266.0	23.3	23.6	89.04	393.4	914.9	658.2	612.1	46.03	14.300	
6,400.0	6,370.0	6,410.7	6,366.0	23.7	23.9	89.04	393.4	914.9	658.2	611.4	46.71	14.090	
6,500.0	6,470.0	6,510.7	6,466.0	24.0	24.2	89.04	393.4	914.9	658.2	610.8	47.40	13.886	
6,600.0	6,570.0	6,610.7	6,566.0	24.3	24.6	89.04	393.4	914.9	658.2	610.1	48.08	13.688	
6,700.0	6,670.0	6,710.7	6,666.0	24.7	24.9	89.04	393.4	914.9	658.2	609.4	48.77	13.495	
6,800.0	6,770.0	6,810.7	6,766.0	25.0	25.2	89.04	393.4	914.9	658.2	608.7	49.46	13.307	
6,900.0	6,870.0	6,910.7	6,866.0	25.4	25.6	89.04	393.4	914.9	658.2	608.0	50.15	13.124	
7,000.0	6,970.0	7,010.7	6,966.0	25.7	25.9	89.04	393.4	914.9	658.2	607.3	50.84	12.946	
7,100.0	7,070.0	7,110.7	7,066.0	26.1	26.3	89.04	393.4	914.9	658.2	606.6	51.53	12.772	
7,200.0	7,170.0	7,210.7	7,166.0	26.4	26.6	89.04	393.4	914.9	658.2	605.9	52.22	12.603	
7,300.0	7,270.0	7,310.7	7,266.0	26.7	26.9	89.04	393.4	914.9	658.2	605.2	52.91	12.438	
7,400.0	7,370.0	7,410.7	7,366.0	27.1	27.3	89.04	393.4	914.9	658.2	604.5	53.61	12.277	
7,500.0	7,470.0	7,510.7	7,466.0	27.4	27.6	89.04	393.4	914.9	658.2	603.9	54.30	12.121	
7,600.0	7,570.0	7,610.7	7,566.0	27.8	28.0	89.04	393.4	914.9	658.2	603.2	54.99	11.968	
7,700.0	7,670.0	7,710.7	7,666.0	28.1	28.3	89.04	393.4	914.9	658.2	602.5	55.69	11.818	
7,800.0	7,770.0	7,810.7	7,766.0	28.5	28.7	89.04	393.4	914.9	658.2	601.8	56.38	11.673	
7,900.0	7,870.0	7,910.7	7,866.0	28.8	29.0	89.04	393.4	914.9	658.2	601.1	57.08	11.530	
8,000.0	7,970.0	8,010.7	7,966.0	29.2	29.3	89.04	393.4	914.9	658.2	600.4	57.78	11.391	
8,100.0	8,070.0	8,110.7	8,066.0	29.5	29.7	89.04	393.4	914.9	658.2	599.7	58.47	11.256	
8,200.0	8,170.0	8,210.7	8,166.0	29.9	30.0	89.04	393.4	914.9	658.2	599.0	59.17	11.123	
8,300.0	8,270.0	8,310.7	8,266.0	30.2	30.4	89.04	393.4	914.9	658.2	598.3	59.87	10.993	
8,400.0	8,370.0	8,410.7	8,366.0	30.5	30.7	89.04	393.4	914.9	658.2	597.6	60.57	10.867	
8,500.0	8,470.0	8,510.7	8,466.0	30.9	31.1	89.04	393.4	914.9	658.2	596.9	61.26	10.743	
8,600.0	8,570.0	8,610.7	8,566.0	31.2	31.4	89.04	393.4	914.9	658.2	596.2	61.96	10.622	
8,700.0	8,670.0	8,710.7	8,666.0	31.6	31.8	89.04	393.4	914.9	658.2	595.5	62.66	10.503	
8,800.0	8,770.0	8,810.7	8,766.0	31.9	32.1	89.04	393.4	914.9	658.2	594.8	63.36	10.387	
8,900.0	8,870.0	8,910.7	8,866.0	32.3	32.5	89.04	393.4	914.9	658.2	594.1	64.06	10.274	
9,000.0	8,970.0	9,010.7	8,966.0	32.6	32.8	89.04	393.4	914.9	658.2	593.4	64.76	10.162	
9,100.0	9,070.0	9,110.7	9,066.0	33.0	33.2	89.04	393.4	914.9	658.2	592.7	65.46	10.054	
9,200.0	9,170.0	9,210.7	9,166.0	33.3	33.5	89.04	393.4	914.9	658.2	592.0	66.17	9.947	
9,300.0	9,270.0	9,310.7	9,266.0	33.7	33.8	89.04	393.4	914.9	658.2	591.3	66.87	9.843	
9,400.0	9,370.0	9,410.7	9,366.0	34.0	34.2	89.04	393.4	914.9	658.2	590.6	67.57	9.740	
9,500.0	9,470.0	9,510.7	9,466.0	34.4	34.5	89.04	393.4	914.9	658.2	589.9	68.27	9.640	
9,600.0	9,570.0	9,610.7	9,566.0	34.7	34.9	89.04	393.4	914.9	658.2	589.2	68.97	9.542	
9,700.0	9,670.0	9,710.7	9,666.0	35.1	35.2	89.04	393.4	914.9	658.2	588.5	69.68	9.446	
9,800.0	9,770.0	9,810.7	9,766.0	35.4	35.6	89.04	393.4	914.9	658.2	587.8	70.38	9.352	
9,900.0	9,870.0	9,910.7	9,866.0	35.8	35.9	89.04	393.4	914.9	658.2	587.1	71.08	9.259	
10,000.0	9,970.0	10,010.7	9,966.0	36.1	36.3	89.04	393.4	914.9	658.2	586.4	71.79	9.168	
10,100.0	10,070.0	10,110.7	10,066.0	36.5	36.6	89.04	393.4	914.9	658.2	585.7	72.49	9.079	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.0	10,170.0	10,210.7	10,166.0	36.8	37.0	89.04	393.4	914.9	658.2	585.0	73.19	8.992	
10,300.0	10,270.0	10,310.7	10,266.0	37.2	37.3	89.04	393.4	914.9	658.2	584.3	73.90	8.906	
10,400.0	10,370.0	10,410.7	10,366.0	37.5	37.7	89.04	393.4	914.9	658.2	583.6	74.60	8.822	
10,500.0	10,470.0	10,510.7	10,466.0	37.9	38.0	89.04	393.4	914.9	658.2	582.8	75.31	8.739	
10,600.0	10,570.0	10,610.7	10,566.0	38.2	38.4	89.04	393.4	914.9	658.2	582.1	76.01	8.658	
10,700.0	10,670.0	10,710.7	10,666.0	38.6	38.7	89.04	393.4	914.9	658.2	581.4	76.72	8.579	
10,800.0	10,770.0	10,810.7	10,766.0	38.9	39.1	89.04	393.4	914.9	658.2	580.7	77.42	8.501	
10,900.0	10,870.0	10,910.7	10,866.0	39.3	39.4	89.04	393.4	914.9	658.2	580.0	78.13	8.424	
11,000.0	10,970.0	11,010.7	10,966.0	39.6	39.8	89.04	393.4	914.9	658.2	579.3	78.84	8.348	
11,100.0	11,070.0	11,110.7	11,066.0	40.0	40.1	89.04	393.4	914.9	658.2	578.6	79.54	8.274	
11,200.0	11,170.0	11,210.7	11,166.0	40.3	40.5	89.04	393.4	914.9	658.2	577.9	80.25	8.201	
11,300.0	11,270.0	11,310.7	11,266.0	40.7	40.8	89.04	393.4	914.9	658.2	577.2	80.96	8.130	
11,400.0	11,370.0	11,410.7	11,366.0	41.0	41.2	89.04	393.4	914.9	658.2	576.5	81.66	8.060	
11,500.0	11,470.0	11,510.7	11,466.0	41.4	41.5	89.04	393.4	914.9	658.2	575.8	82.37	7.990	
11,600.0	11,570.0	11,610.7	11,566.0	41.8	41.9	89.04	393.4	914.9	658.2	575.1	83.08	7.922	
11,700.0	11,670.0	11,710.7	11,666.0	42.1	42.2	89.04	393.4	914.9	658.2	574.4	83.78	7.855	
11,800.0	11,770.0	11,810.7	11,766.0	42.5	42.6	89.04	393.4	914.9	658.2	573.7	84.49	7.790	
11,900.0	11,870.0	11,910.7	11,866.0	42.8	43.0	89.04	393.4	914.9	658.2	573.0	85.20	7.725	
12,000.0	11,970.0	12,010.7	11,966.0	43.2	43.3	89.04	393.4	914.9	658.2	572.2	85.91	7.661	
12,091.0	12,061.0	12,102.1	12,057.1	43.5	43.6	89.56	387.4	915.0	658.1	571.6	86.51	7.607	
12,100.0	12,070.0	12,111.0	12,065.9	43.5	43.6	-82.33	386.1	915.0	658.1	571.5	86.57	7.602	
12,150.0	12,119.9	12,160.2	12,114.1	43.7	43.8	-81.75	376.2	915.0	657.8	570.9	86.86	7.573	
12,200.0	12,169.3	12,208.7	12,160.6	43.8	43.9	-81.24	362.5	915.1	656.9	569.8	87.12	7.540	
12,250.0	12,217.9	12,256.7	12,205.3	44.0	44.0	-80.78	345.0	915.2	655.6	568.2	87.36	7.504	
12,300.0	12,265.4	12,304.1	12,247.9	44.1	44.1	-80.39	324.2	915.3	653.7	566.1	87.58	7.464	
12,350.0	12,311.2	12,351.0	12,288.2	44.2	44.2	-80.07	300.2	915.5	651.4	563.6	87.77	7.421	
12,400.0	12,355.2	12,397.4	12,326.0	44.3	44.3	-79.81	273.3	915.7	648.6	560.7	87.94	7.376	
12,450.0	12,396.9	12,443.4	12,361.1	44.4	44.3	-79.62	243.7	915.8	645.4	557.3	88.08	7.327	
12,500.0	12,436.1	12,488.9	12,393.5	44.5	44.4	-79.50	211.7	916.0	641.7	553.5	88.20	7.275	
12,550.0	12,472.4	12,534.1	12,423.0	44.5	44.4	-79.44	177.6	916.3	637.6	549.3	88.30	7.220	
12,600.0	12,505.6	12,578.9	12,449.5	44.6	44.5	-79.46	141.5	916.5	633.1	544.7	88.39	7.162	
12,650.0	12,535.4	12,623.3	12,473.0	44.6	44.5	-79.54	103.7	916.7	628.2	539.8	88.47	7.101	
12,700.0	12,561.6	12,667.5	12,493.4	44.7	44.5	-79.70	64.5	916.9	623.0	534.5	88.54	7.037	
12,750.0	12,584.0	12,711.5	12,510.5	44.7	44.5	-79.92	24.1	917.2	617.5	528.9	88.60	6.969	
12,800.0	12,602.4	12,755.2	12,524.5	44.7	44.6	-80.21	-17.4	917.5	611.7	523.0	88.68	6.898	
12,850.0	12,616.7	12,798.8	12,535.3	44.8	44.6	-80.56	-59.6	917.7	605.7	516.9	88.76	6.824	
12,900.0	12,626.7	12,842.3	12,542.7	44.9	44.6	-80.98	-102.5	918.0	599.4	510.6	88.86	6.746	
12,950.0	12,632.5	12,885.7	12,547.0	45.0	44.7	-81.47	-145.6	918.3	593.0	504.0	88.97	6.665	
12,991.0	12,634.0	12,921.5	12,548.0	45.1	44.7	-81.91	-181.4	918.5	587.6	498.6	89.08	6.597	
13,000.0	12,634.0	12,930.4	12,548.0	45.1	44.8	-81.89	-190.3	918.5	586.5	497.4	89.10	6.582	
13,100.0	12,634.0	13,029.8	12,548.0	45.4	45.0	-81.77	-289.7	919.1	575.3	485.9	89.47	6.430	
13,200.0	12,634.0	13,129.5	12,548.0	45.7	45.2	-81.68	-389.4	919.8	567.6	477.7	89.96	6.310	
13,300.0	12,634.0	13,229.4	12,548.0	46.0	45.5	-81.63	-489.3	920.4	563.4	472.8	90.58	6.220	
13,368.8	12,634.0	13,301.9	12,548.0	46.3	45.8	-81.62	-558.0	920.8	562.4	471.4	91.08	6.176	
13,400.0	12,634.0	13,329.4	12,548.0	46.4	45.9	-81.62	-589.2	921.0	562.4	471.1	91.31	6.159	
13,500.0	12,634.0	13,429.4	12,548.0	46.8	46.4	-81.61	-689.2	921.6	562.2	470.1	92.15	6.101	
13,600.0	12,634.0	13,529.4	12,548.0	47.3	46.9	-81.61	-789.2	922.2	562.1	469.0	93.11	6.037	
13,700.0	12,634.0	13,629.4	12,548.0	47.9	47.4	-81.61	-889.2	922.9	561.9	467.8	94.16	5.967	
13,800.0	12,634.0	13,729.4	12,548.0	48.4	48.0	-81.61	-989.2	923.5	561.8	466.4	95.32	5.893	
13,900.0	12,634.0	13,829.4	12,548.0	49.1	48.6	-81.60	-1,089.2	924.1	561.6	465.0	96.58	5.815	
14,000.0	12,634.0	13,929.4	12,548.0	49.7	49.3	-81.60	-1,189.2	924.7	561.4	463.5	97.93	5.733	
14,100.0	12,634.0	14,029.4	12,548.0	50.5	50.0	-81.60	-1,289.2	925.3	561.3	461.9	99.37	5.648	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.0	12,634.0	14,129.4	12,548.0	51.2	50.8	-81.60	-1,389.2	925.9	561.1	460.2	100.90	5.561	
14,300.0	12,634.0	14,229.4	12,548.0	52.0	51.6	-81.59	-1,489.2	926.6	561.0	458.5	102.50	5.473	
14,400.0	12,634.0	14,329.4	12,548.0	52.9	52.5	-81.59	-1,589.2	927.2	560.8	456.6	104.19	5.383	
14,500.0	12,634.0	14,429.4	12,548.0	53.8	53.4	-81.59	-1,689.2	927.8	560.7	454.7	105.95	5.292	
14,600.0	12,634.0	14,529.4	12,548.0	54.7	54.3	-81.59	-1,789.2	928.4	560.5	452.7	107.78	5.200	
14,700.0	12,634.0	14,629.4	12,548.0	55.7	55.2	-81.59	-1,889.2	929.0	560.3	450.7	109.68	5.109	
14,800.0	12,634.0	14,729.4	12,548.0	56.6	56.2	-81.58	-1,989.2	929.7	560.2	448.5	111.64	5.018	
14,900.0	12,634.0	14,829.4	12,548.0	57.7	57.3	-81.58	-2,089.2	930.3	560.0	446.4	113.67	4.927	
15,000.0	12,634.0	14,929.4	12,548.0	58.7	58.3	-81.58	-2,189.2	930.9	559.9	444.1	115.75	4.837	
15,100.0	12,634.0	15,029.4	12,548.0	59.8	59.4	-81.58	-2,289.2	931.5	559.7	441.8	117.89	4.748	
15,200.0	12,634.0	15,129.4	12,548.0	60.9	60.5	-81.57	-2,389.2	932.1	559.6	439.5	120.07	4.660	
15,300.0	12,634.0	15,229.4	12,548.0	62.0	61.6	-81.57	-2,489.2	932.8	559.4	437.1	122.31	4.574	
15,400.0	12,634.0	15,329.4	12,548.0	63.1	62.8	-81.57	-2,589.2	933.4	559.2	434.7	124.59	4.489	
15,500.0	12,634.0	15,429.4	12,548.0	64.3	63.9	-81.57	-2,689.2	934.0	559.1	432.2	126.92	4.405	
15,600.0	12,634.0	15,529.4	12,548.0	65.5	65.1	-81.56	-2,789.2	934.6	558.9	429.6	129.28	4.323	
15,700.0	12,634.0	15,629.4	12,548.0	66.7	66.3	-81.56	-2,889.2	935.2	558.8	427.1	131.69	4.243	
15,800.0	12,634.0	15,729.4	12,548.0	67.9	67.6	-81.56	-2,989.2	935.8	558.6	424.5	134.13	4.165	
15,900.0	12,634.0	15,829.4	12,548.0	69.2	68.8	-81.56	-3,089.2	936.5	558.5	421.8	136.61	4.088	
16,000.0	12,634.0	15,929.4	12,548.0	70.4	70.1	-81.55	-3,189.2	937.1	558.3	419.2	139.12	4.013	
16,100.0	12,634.0	16,029.4	12,548.0	71.7	71.4	-81.55	-3,289.2	937.7	558.1	416.5	141.66	3.940	
16,200.0	12,634.0	16,129.4	12,548.0	73.0	72.7	-81.55	-3,389.2	938.3	558.0	413.7	144.23	3.869	
16,300.0	12,634.0	16,229.4	12,548.0	74.3	74.0	-81.55	-3,489.2	938.9	557.8	411.0	146.83	3.799	
16,400.0	12,634.0	16,329.4	12,548.0	75.6	75.3	-81.54	-3,589.2	939.6	557.7	408.2	149.46	3.731	
16,500.0	12,634.0	16,429.4	12,548.0	77.0	76.6	-81.54	-3,689.2	940.2	557.5	405.4	152.11	3.665	
16,600.0	12,634.0	16,529.4	12,548.0	78.3	78.0	-81.54	-3,789.2	940.8	557.4	402.6	154.79	3.601	
16,700.0	12,634.0	16,629.4	12,548.0	79.7	79.4	-81.54	-3,889.2	941.4	557.2	399.7	157.48	3.538	
16,800.0	12,634.0	16,729.4	12,548.0	81.0	80.7	-81.53	-3,989.2	942.0	557.0	396.8	160.20	3.477	
16,900.0	12,634.0	16,829.4	12,548.0	82.4	82.1	-81.53	-4,089.2	942.7	556.9	393.9	162.94	3.418	
17,000.0	12,634.0	16,929.4	12,548.0	83.8	83.5	-81.53	-4,189.2	943.3	556.7	391.0	165.70	3.360	
17,100.0	12,634.0	17,029.4	12,548.0	85.2	84.9	-81.53	-4,289.2	943.9	556.6	388.1	168.48	3.303	
17,200.0	12,634.0	17,129.4	12,548.0	86.6	86.3	-81.53	-4,389.2	944.5	556.4	385.1	171.28	3.249	
17,300.0	12,634.0	17,229.4	12,548.0	88.0	87.7	-81.52	-4,489.2	945.1	556.3	382.2	174.09	3.195	
17,400.0	12,634.0	17,329.4	12,548.0	89.4	89.2	-81.52	-4,589.2	945.7	556.1	379.2	176.92	3.143	
17,500.0	12,634.0	17,429.4	12,548.0	90.9	90.6	-81.52	-4,689.2	946.4	555.9	376.2	179.76	3.093	
17,600.0	12,634.0	17,529.4	12,548.0	92.3	92.0	-81.52	-4,789.2	947.0	555.8	373.2	182.62	3.043	
17,700.0	12,634.0	17,629.4	12,548.0	93.8	93.5	-81.51	-4,889.2	947.6	555.6	370.1	185.49	2.995	
17,800.0	12,634.0	17,729.4	12,548.0	95.2	94.9	-81.51	-4,989.2	948.2	555.5	367.1	188.38	2.949	
17,900.0	12,634.0	17,829.4	12,548.0	96.7	96.4	-81.51	-5,089.2	948.8	555.3	364.0	191.28	2.903	
18,000.0	12,634.0	17,929.4	12,548.0	98.1	97.9	-81.51	-5,189.2	949.5	555.2	361.0	194.19	2.859	
18,100.0	12,634.0	18,029.4	12,548.0	99.6	99.3	-81.50	-5,289.2	950.1	555.0	357.9	197.11	2.816	
18,200.0	12,634.0	18,129.4	12,548.0	101.1	100.8	-81.50	-5,389.2	950.7	554.8	354.8	200.04	2.774	
18,300.0	12,634.0	18,229.4	12,548.0	102.6	102.3	-81.50	-5,489.1	951.3	554.7	351.7	202.98	2.733	
18,400.0	12,634.0	18,329.4	12,548.0	104.1	103.8	-81.50	-5,589.1	951.9	554.5	348.6	205.94	2.693	
18,500.0	12,634.0	18,429.4	12,548.0	105.6	105.3	-81.49	-5,689.1	952.6	554.4	345.5	208.90	2.654	
18,600.0	12,634.0	18,529.4	12,548.0	107.0	106.8	-81.49	-5,789.1	953.2	554.2	342.3	211.87	2.616	
18,700.0	12,634.0	18,629.4	12,548.0	108.5	108.3	-81.49	-5,889.1	953.8	554.0	339.2	214.85	2.579	
18,800.0	12,634.0	18,729.4	12,548.0	110.1	109.8	-81.49	-5,989.1	954.4	553.9	336.1	217.84	2.543	
18,900.0	12,634.0	18,829.4	12,548.0	111.6	111.3	-81.48	-6,089.1	955.0	553.7	332.9	220.84	2.507	
19,000.0	12,634.0	18,929.4	12,548.0	113.1	112.8	-81.48	-6,189.1	955.6	553.6	329.7	223.84	2.473	
19,100.0	12,634.0	19,029.4	12,548.0	114.6	114.3	-81.48	-6,289.1	956.3	553.4	326.6	226.86	2.440	
19,200.0	12,634.0	19,129.4	12,548.0	116.1	115.9	-81.48	-6,389.1	956.9	553.3	323.4	229.88	2.407	
19,300.0	12,634.0	19,229.4	12,548.0	117.6	117.4	-81.47	-6,489.1	957.5	553.1	320.2	232.90	2.375	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,400.0	12,634.0	19,329.4	12,548.0	119.2	118.9	-81.47	-6,589.1	958.1	552.9	317.0	235.94	2.344	
19,500.0	12,634.0	19,429.4	12,548.0	120.7	120.5	-81.47	-6,689.1	958.7	552.8	313.8	238.98	2.313	
19,600.0	12,634.0	19,529.4	12,548.0	122.2	122.0	-81.47	-6,789.1	959.4	552.6	310.6	242.02	2.283	
19,700.0	12,634.0	19,629.4	12,548.0	123.8	123.5	-81.46	-6,889.1	960.0	552.5	307.4	245.07	2.254	
19,800.0	12,634.0	19,729.4	12,548.0	125.3	125.1	-81.46	-6,989.1	960.6	552.3	304.2	248.13	2.226	
19,900.0	12,634.0	19,829.4	12,548.0	126.9	126.6	-81.46	-7,089.1	961.2	552.2	301.0	251.19	2.198	
20,000.0	12,634.0	19,929.4	12,548.0	128.4	128.2	-81.46	-7,189.1	961.8	552.0	297.7	254.26	2.171	
20,100.0	12,634.0	20,029.4	12,548.0	130.0	129.7	-81.45	-7,289.1	962.5	551.8	294.5	257.34	2.144	
20,200.0	12,634.0	20,129.4	12,548.0	131.5	131.3	-81.45	-7,389.1	963.1	551.7	291.3	260.41	2.119	
20,300.0	12,634.0	20,229.4	12,548.0	133.1	132.8	-81.45	-7,489.1	963.7	551.5	288.0	263.50	2.093	
20,400.0	12,634.0	20,329.4	12,548.0	134.6	134.4	-81.45	-7,589.1	964.3	551.4	284.8	266.58	2.068	
20,500.0	12,634.0	20,429.4	12,548.0	136.2	135.9	-81.44	-7,689.1	964.9	551.2	281.5	269.68	2.044	
20,600.0	12,634.0	20,529.4	12,548.0	137.7	137.5	-81.44	-7,789.1	965.5	551.1	278.3	272.77	2.020	
20,700.0	12,634.0	20,629.4	12,548.0	139.3	139.1	-81.44	-7,889.1	966.2	550.9	275.0	275.87	1.997	
20,800.0	12,634.0	20,729.4	12,548.0	140.9	140.6	-81.44	-7,989.1	966.8	550.7	271.8	278.98	1.974	
20,900.0	12,634.0	20,829.4	12,548.0	142.4	142.2	-81.44	-8,089.1	967.4	550.6	268.5	282.09	1.952	
21,000.0	12,634.0	20,929.4	12,548.0	144.0	143.8	-81.43	-8,189.1	968.0	550.4	265.2	285.20	1.930	
21,100.0	12,634.0	21,029.4	12,548.0	145.6	145.3	-81.43	-8,289.1	968.6	550.3	262.0	288.31	1.909	
21,200.0	12,634.0	21,129.4	12,548.0	147.1	146.9	-81.43	-8,389.1	969.3	550.1	258.7	291.43	1.888	
21,300.0	12,634.0	21,229.4	12,548.0	148.7	148.5	-81.43	-8,489.1	969.9	550.0	255.4	294.55	1.867	
21,400.0	12,634.0	21,329.4	12,548.0	150.3	150.1	-81.42	-8,589.1	970.5	549.8	252.1	297.68	1.847	
21,500.0	12,634.0	21,429.4	12,548.0	151.9	151.6	-81.42	-8,689.1	971.1	549.6	248.8	300.81	1.827	
21,600.0	12,634.0	21,529.4	12,548.0	153.4	153.2	-81.42	-8,789.1	971.7	549.5	245.5	303.94	1.808	
21,700.0	12,634.0	21,629.4	12,548.0	155.0	154.8	-81.42	-8,889.1	972.4	549.3	242.3	307.07	1.789	
21,800.0	12,634.0	21,729.4	12,548.0	156.6	156.4	-81.41	-8,989.1	973.0	549.2	239.0	310.21	1.770	
21,900.0	12,634.0	21,829.4	12,548.0	158.2	158.0	-81.41	-9,089.1	973.6	549.0	235.7	313.35	1.752	
22,000.0	12,634.0	21,929.4	12,548.0	159.8	159.6	-81.41	-9,189.1	974.2	548.9	232.4	316.50	1.734	
22,100.0	12,634.0	22,029.4	12,548.0	161.4	161.1	-81.41	-9,289.1	974.8	548.7	229.1	319.64	1.717	
22,200.0	12,634.0	22,129.4	12,548.0	163.0	162.7	-81.40	-9,389.1	975.4	548.5	225.8	322.79	1.699	
22,300.0	12,634.0	22,229.4	12,548.0	164.5	164.3	-81.40	-9,489.1	976.1	548.4	222.4	325.94	1.682	
22,400.0	12,634.0	22,329.4	12,548.0	166.1	165.9	-81.40	-9,589.1	976.7	548.2	219.1	329.09	1.666	
22,500.0	12,634.0	22,429.4	12,548.0	167.7	167.5	-81.40	-9,689.1	977.3	548.1	215.8	332.25	1.650	
22,600.0	12,634.0	22,529.4	12,548.0	169.3	169.1	-81.39	-9,789.1	977.9	547.9	212.5	335.41	1.634	
22,700.0	12,634.0	22,629.4	12,548.0	170.9	170.7	-81.39	-9,889.1	978.5	547.8	209.2	338.57	1.618	
22,796.3	12,634.0	22,725.7	12,548.0	172.4	172.2	-81.39	-9,985.4	979.1	547.6	206.0	341.61	1.603	
22,796.7	12,634.0	22,726.0	12,548.0	172.5	172.2	-81.39	-9,985.8	979.1	547.6	206.0	341.62	1.603 CC, ES, SF	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	2.0	-2.0	0.0	0.0	89.59	8.7	1,226.8	1,226.8				
100.0	100.0	102.0	98.0	0.1	0.1	89.59	8.7	1,226.8	1,226.8	1,226.5	0.26	4,656.173	
200.0	200.0	202.0	198.0	0.5	0.5	89.59	8.7	1,226.8	1,226.8	1,225.8	0.98	1,251.294	
300.0	300.0	302.0	298.0	0.8	0.9	89.59	8.7	1,226.8	1,226.8	1,225.1	1.70	722.765	
400.0	400.0	402.0	398.0	1.2	1.2	89.59	8.7	1,226.8	1,226.8	1,224.4	2.41	508.135	
500.0	500.0	502.0	498.0	1.6	1.6	89.59	8.7	1,226.8	1,226.8	1,223.7	3.13	391.791	
600.0	600.0	602.0	598.0	1.9	1.9	89.59	8.7	1,226.8	1,226.8	1,222.9	3.85	318.798	
700.0	700.0	702.0	698.0	2.3	2.3	89.59	8.7	1,226.8	1,226.8	1,222.2	4.57	268.731	
800.0	800.0	802.0	798.0	2.6	2.6	89.59	8.7	1,226.8	1,226.8	1,221.5	5.28	232.256	
900.0	900.0	902.0	898.0	3.0	3.0	89.59	8.7	1,226.8	1,226.8	1,220.8	6.00	204.499	
1,000.0	1,000.0	998.0	998.0	3.4	3.3	89.59	8.7	1,226.8	1,226.8	1,220.1	6.70	183.059	
1,100.0	1,100.0	1,112.8	1,112.8	3.7	3.8	89.55	9.6	1,226.1	1,226.2	1,218.7	7.47	164.172	
1,200.0	1,200.0	1,228.1	1,228.1	4.1	4.2	89.43	12.2	1,224.0	1,224.4	1,216.1	8.24	148.666	
1,300.0	1,300.0	1,343.3	1,343.1	4.4	4.6	89.22	16.6	1,220.4	1,221.3	1,212.3	9.00	135.670	
1,400.0	1,400.0	1,458.1	1,457.6	4.8	5.0	88.92	22.8	1,215.3	1,217.0	1,207.2	9.77	124.593	
1,500.0	1,500.0	1,572.6	1,571.7	5.1	5.4	88.54	30.8	1,208.9	1,211.5	1,201.0	10.53	115.015	
1,600.0	1,600.0	1,686.7	1,685.1	5.5	5.8	54.27	40.5	1,201.0	1,204.4	1,193.1	11.30	106.591	
1,700.0	1,700.0	1,800.3	1,797.7	5.9	6.3	53.90	51.9	1,191.8	1,195.0	1,183.0	12.06	99.052	
1,800.0	1,799.9	1,913.3	1,909.5	6.2	6.7	53.53	64.9	1,181.2	1,183.6	1,170.7	12.83	92.226	
1,900.0	1,899.7	2,025.7	2,020.2	6.6	7.1	53.16	79.6	1,169.3	1,170.0	1,156.4	13.61	85.976	
2,000.0	1,999.4	2,137.3	2,129.9	6.9	7.6	52.79	95.8	1,156.2	1,154.3	1,139.9	14.39	80.224	
2,100.0	2,098.9	2,242.9	2,233.2	7.3	8.0	52.44	112.6	1,142.6	1,136.6	1,121.4	15.16	74.975	
2,200.0	2,198.3	2,340.7	2,329.0	7.7	8.5	52.17	128.4	1,129.7	1,117.7	1,101.8	15.92	70.220	
2,300.0	2,297.4	2,438.5	2,424.6	8.0	8.9	51.98	144.2	1,116.9	1,097.9	1,081.2	16.68	65.810	
2,400.0	2,396.4	2,536.2	2,520.2	8.4	9.3	51.64	160.0	1,104.1	1,077.5	1,060.1	17.45	61.737	
2,500.0	2,495.5	2,633.9	2,615.8	8.8	9.8	51.30	175.7	1,091.3	1,057.2	1,039.0	18.23	57.991	
2,600.0	2,594.5	2,731.7	2,711.3	9.2	10.2	50.94	191.5	1,078.6	1,037.0	1,017.9	19.01	54.535	
2,700.0	2,693.5	2,829.4	2,806.9	9.6	10.6	50.56	207.3	1,065.8	1,016.7	996.9	19.80	51.341	
2,800.0	2,792.5	2,927.1	2,902.5	9.9	11.1	50.18	223.1	1,053.0	996.6	976.0	20.60	48.382	
2,900.0	2,891.6	3,024.8	2,998.1	10.3	11.5	49.77	238.9	1,040.2	976.4	955.0	21.40	45.635	
3,000.0	2,990.6	3,122.5	3,093.6	10.7	12.0	49.35	254.6	1,027.4	956.3	934.1	22.20	43.080	
3,100.0	3,089.6	3,220.2	3,189.2	11.1	12.4	48.91	270.4	1,014.6	936.3	913.3	23.01	40.698	
3,200.0	3,188.6	3,317.9	3,284.8	11.5	12.9	48.45	286.2	1,001.8	916.3	892.5	23.82	38.474	
3,300.0	3,287.7	3,415.6	3,380.4	11.9	13.3	47.97	302.0	989.0	896.4	871.8	24.63	36.394	
3,400.0	3,386.7	3,513.4	3,475.9	12.3	13.8	47.47	317.8	976.2	876.5	851.1	25.45	34.444	
3,500.0	3,485.7	3,608.0	3,568.5	12.7	14.2	46.97	333.0	963.9	856.8	830.5	26.26	32.626	
3,600.0	3,584.8	3,696.4	3,655.3	13.1	14.6	46.58	346.0	953.3	838.0	810.9	27.06	30.973	
3,700.0	3,683.8	3,785.3	3,743.0	13.5	15.0	46.29	357.5	944.0	820.3	792.5	27.84	29.470	
3,800.0	3,782.8	3,874.8	3,831.6	13.9	15.4	46.13	367.4	935.9	803.8	775.2	28.60	28.101	
3,900.0	3,881.8	3,964.6	3,920.8	14.3	15.8	46.10	375.8	929.1	788.3	759.0	29.35	26.856	
4,000.0	3,980.9	4,054.8	4,010.5	14.7	16.1	46.20	382.6	923.6	774.0	743.9	30.09	25.723	
4,100.0	4,079.9	4,145.1	4,100.5	15.1	16.4	46.45	387.7	919.5	760.8	730.0	30.81	24.694	
4,200.0	4,178.9	4,235.5	4,190.8	15.5	16.8	46.85	391.2	916.6	748.8	717.3	31.51	23.761	
4,300.0	4,277.9	4,325.9	4,281.2	16.0	17.1	47.41	393.1	915.2	738.0	705.8	32.20	22.919	
4,400.0	4,377.0	4,419.7	4,375.0	16.4	17.4	48.14	393.4	914.9	728.4	695.5	32.88	22.150	
4,500.0	4,476.0	4,518.7	4,474.0	16.8	17.7	48.96	393.4	914.9	719.1	685.5	33.58	21.413	
4,600.0	4,575.0	4,617.7	4,573.0	17.2	18.0	49.80	393.4	914.9	710.0	675.7	34.29	20.708	
4,700.0	4,674.0	4,716.7	4,672.0	17.6	18.3	50.67	393.4	914.9	701.0	666.1	34.99	20.035	
4,800.0	4,773.1	4,815.8	4,771.1	18.0	18.6	51.55	393.4	914.9	692.3	656.6	35.70	19.392	
4,900.0	4,872.1	4,914.8	4,870.1	18.4	18.9	52.46	393.4	914.9	683.6	647.2	36.41	18.776	
4,941.9	4,913.6	4,956.3	4,911.6	18.6	19.1	52.85	393.4	914.9	680.1	643.4	36.71	18.527	
5,000.0	4,971.2	5,013.9	4,969.2	18.8	19.3	53.31	393.4	914.9	675.5	638.3	37.12	18.196	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,070.6	5,113.3	5,068.6	19.2	19.6	53.99	393.4	914.9	668.8	631.0	37.83	17.680	
5,200.0	5,170.2	5,212.9	5,168.2	19.6	19.9	54.52	393.4	914.9	663.9	625.3	38.53	17.229	
5,300.0	5,270.0	5,312.7	5,268.0	19.9	20.2	54.89	393.4	914.9	660.5	621.2	39.23	16.837	
5,400.0	5,370.0	5,412.7	5,368.0	20.3	20.6	55.10	393.4	914.9	658.6	618.7	39.91	16.500	
5,475.2	5,445.2	5,487.9	5,443.2	20.6	20.8	89.04	393.4	914.9	658.2	617.7	40.42	16.282	
5,500.0	5,470.0	5,512.7	5,468.0	20.6	20.9	89.04	393.4	914.9	658.2	617.6	40.59	16.215	
5,600.0	5,570.0	5,612.7	5,568.0	21.0	21.2	89.04	393.4	914.9	658.2	616.9	41.27	15.949	
5,700.0	5,670.0	5,712.7	5,668.0	21.3	21.6	89.04	393.4	914.9	658.2	616.2	41.94	15.692	
5,800.0	5,770.0	5,812.7	5,768.0	21.6	21.9	89.04	393.4	914.9	658.2	615.5	42.62	15.442	
5,900.0	5,870.0	5,912.7	5,868.0	22.0	22.2	89.04	393.4	914.9	658.2	614.9	43.30	15.200	
6,000.0	5,970.0	6,012.7	5,968.0	22.3	22.6	89.04	393.4	914.9	658.2	614.2	43.98	14.964	
6,100.0	6,070.0	6,112.7	6,068.0	22.7	22.9	89.04	393.4	914.9	658.2	613.5	44.66	14.736	
6,200.0	6,170.0	6,212.7	6,168.0	23.0	23.2	89.04	393.4	914.9	658.2	612.8	45.35	14.514	
6,300.0	6,270.0	6,312.7	6,268.0	23.3	23.6	89.04	393.4	914.9	658.2	612.1	46.03	14.298	
6,400.0	6,370.0	6,412.7	6,368.0	23.7	23.9	89.04	393.4	914.9	658.2	611.4	46.71	14.089	
6,500.0	6,470.0	6,512.7	6,468.0	24.0	24.2	89.04	393.4	914.9	658.2	610.8	47.40	13.885	
6,600.0	6,570.0	6,612.7	6,568.0	24.3	24.6	89.04	393.4	914.9	658.2	610.1	48.09	13.687	
6,700.0	6,670.0	6,712.7	6,668.0	24.7	24.9	89.04	393.4	914.9	658.2	609.4	48.78	13.494	
6,800.0	6,770.0	6,812.7	6,768.0	25.0	25.2	89.04	393.4	914.9	658.2	608.7	49.46	13.306	
6,900.0	6,870.0	6,912.7	6,868.0	25.4	25.6	89.04	393.4	914.9	658.2	608.0	50.15	13.123	
7,000.0	6,970.0	7,012.7	6,968.0	25.7	25.9	89.04	393.4	914.9	658.2	607.3	50.84	12.945	
7,100.0	7,070.0	7,112.7	7,068.0	26.1	26.3	89.04	393.4	914.9	658.2	606.6	51.53	12.771	
7,200.0	7,170.0	7,212.7	7,168.0	26.4	26.6	89.04	393.4	914.9	658.2	605.9	52.23	12.602	
7,300.0	7,270.0	7,312.7	7,268.0	26.7	26.9	89.04	393.4	914.9	658.2	605.2	52.92	12.437	
7,400.0	7,370.0	7,412.7	7,368.0	27.1	27.3	89.04	393.4	914.9	658.2	604.5	53.61	12.277	
7,500.0	7,470.0	7,512.7	7,468.0	27.4	27.6	89.04	393.4	914.9	658.2	603.8	54.30	12.120	
7,600.0	7,570.0	7,612.7	7,568.0	27.8	28.0	89.04	393.4	914.9	658.2	603.2	55.00	11.967	
7,700.0	7,670.0	7,712.7	7,668.0	28.1	28.3	89.04	393.4	914.9	658.2	602.5	55.69	11.818	
7,800.0	7,770.0	7,812.7	7,768.0	28.5	28.7	89.04	393.4	914.9	658.2	601.8	56.39	11.672	
7,900.0	7,870.0	7,912.7	7,868.0	28.8	29.0	89.04	393.4	914.9	658.2	601.1	57.08	11.530	
8,000.0	7,970.0	8,012.7	7,968.0	29.2	29.3	89.04	393.4	914.9	658.2	600.4	57.78	11.391	
8,100.0	8,070.0	8,112.7	8,068.0	29.5	29.7	89.04	393.4	914.9	658.2	599.7	58.48	11.255	
8,200.0	8,170.0	8,212.7	8,168.0	29.9	30.0	89.04	393.4	914.9	658.2	599.0	59.17	11.122	
8,300.0	8,270.0	8,312.7	8,268.0	30.2	30.4	89.04	393.4	914.9	658.2	598.3	59.87	10.993	
8,400.0	8,370.0	8,412.7	8,368.0	30.5	30.7	89.04	393.4	914.9	658.2	597.6	60.57	10.866	
8,500.0	8,470.0	8,512.7	8,468.0	30.9	31.1	89.04	393.4	914.9	658.2	596.9	61.27	10.742	
8,600.0	8,570.0	8,612.7	8,568.0	31.2	31.4	89.04	393.4	914.9	658.2	596.2	61.97	10.621	
8,700.0	8,670.0	8,712.7	8,668.0	31.6	31.8	89.04	393.4	914.9	658.2	595.5	62.67	10.502	
8,800.0	8,770.0	8,812.7	8,768.0	31.9	32.1	89.04	393.4	914.9	658.2	594.8	63.37	10.386	
8,900.0	8,870.0	8,912.7	8,868.0	32.3	32.5	89.04	393.4	914.9	658.2	594.1	64.07	10.273	
9,000.0	8,970.0	9,012.7	8,968.0	32.6	32.8	89.04	393.4	914.9	658.2	593.4	64.77	10.162	
9,100.0	9,070.0	9,112.7	9,068.0	33.0	33.2	89.04	393.4	914.9	658.2	592.7	65.47	10.053	
9,200.0	9,170.0	9,212.7	9,168.0	33.3	33.5	89.04	393.4	914.9	658.2	592.0	66.17	9.947	
9,300.0	9,270.0	9,312.7	9,268.0	33.7	33.9	89.04	393.4	914.9	658.2	591.3	66.87	9.842	
9,400.0	9,370.0	9,412.7	9,368.0	34.0	34.2	89.04	393.4	914.9	658.2	590.6	67.57	9.740	
9,500.0	9,470.0	9,512.7	9,468.0	34.4	34.5	89.04	393.4	914.9	658.2	589.9	68.27	9.640	
9,600.0	9,570.0	9,612.7	9,568.0	34.7	34.9	89.04	393.4	914.9	658.2	589.2	68.98	9.542	
9,700.0	9,670.0	9,712.7	9,668.0	35.1	35.2	89.04	393.4	914.9	658.2	588.5	69.68	9.445	
9,800.0	9,770.0	9,812.7	9,768.0	35.4	35.6	89.04	393.4	914.9	658.2	587.8	70.38	9.351	
9,900.0	9,870.0	9,912.7	9,868.0	35.8	35.9	89.04	393.4	914.9	658.2	587.1	71.09	9.258	
10,000.0	9,970.0	10,012.7	9,968.0	36.1	36.3	89.04	393.4	914.9	658.2	586.4	71.79	9.168	
10,100.0	10,070.0	10,112.7	10,068.0	36.5	36.6	89.04	393.4	914.9	658.2	585.7	72.49	9.079	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,200.0	10,170.0	10,212.7	10,168.0	36.8	37.0	89.04	393.4	914.9	658.2	585.0	73.20	8.991	
10,300.0	10,270.0	10,312.7	10,268.0	37.2	37.3	89.04	393.4	914.9	658.2	584.2	73.90	8.906	
10,400.0	10,370.0	10,412.7	10,368.0	37.5	37.7	89.04	393.4	914.9	658.2	583.5	74.61	8.822	
10,500.0	10,470.0	10,512.7	10,468.0	37.9	38.0	89.04	393.4	914.9	658.2	582.8	75.31	8.739	
10,600.0	10,570.0	10,612.7	10,568.0	38.2	38.4	89.04	393.4	914.9	658.2	582.1	76.02	8.658	
10,700.0	10,670.0	10,712.7	10,668.0	38.6	38.7	89.04	393.4	914.9	658.2	581.4	76.72	8.578	
10,800.0	10,770.0	10,812.7	10,768.0	38.9	39.1	89.04	393.4	914.9	658.2	580.7	77.43	8.500	
10,900.0	10,870.0	10,912.7	10,868.0	39.3	39.4	89.04	393.4	914.9	658.2	580.0	78.13	8.423	
11,000.0	10,970.0	11,012.7	10,968.0	39.6	39.8	89.04	393.4	914.9	658.2	579.3	78.84	8.348	
11,100.0	11,070.0	11,112.7	11,068.0	40.0	40.1	89.04	393.4	914.9	658.2	578.6	79.55	8.274	
11,200.0	11,170.0	11,212.7	11,168.0	40.3	40.5	89.04	393.4	914.9	658.2	577.9	80.25	8.201	
11,300.0	11,270.0	11,312.7	11,268.0	40.7	40.8	89.04	393.4	914.9	658.2	577.2	80.96	8.129	
11,400.0	11,370.0	11,412.7	11,368.0	41.0	41.2	89.04	393.4	914.9	658.2	576.5	81.67	8.059	
11,500.0	11,470.0	11,512.7	11,468.0	41.4	41.5	89.04	393.4	914.9	658.2	575.8	82.37	7.990	
11,600.0	11,570.0	11,612.7	11,568.0	41.8	41.9	89.04	393.4	914.9	658.2	575.1	83.08	7.922	
11,700.0	11,670.0	11,712.7	11,668.0	42.1	42.3	89.04	393.4	914.9	658.2	574.4	83.79	7.855	
11,800.0	11,770.0	11,812.7	11,768.0	42.5	42.6	89.04	393.4	914.9	658.2	573.7	84.49	7.789	
11,900.0	11,870.0	11,912.7	11,868.0	42.8	43.0	89.04	393.4	914.9	658.2	572.9	85.20	7.725	
12,000.0	11,970.0	12,012.7	11,968.0	43.2	43.3	89.04	393.4	914.9	658.2	572.2	85.91	7.661	
12,091.0	12,061.0	12,104.6	12,059.6	43.5	43.6	89.56	387.4	914.9	658.1	571.6	86.52	7.606	
12,100.0	12,070.0	12,113.5	12,068.4	43.5	43.6	-82.33	386.0	914.9	658.1	571.5	86.57	7.601	
12,150.0	12,119.9	12,162.9	12,116.7	43.7	43.8	-81.75	376.1	914.9	657.7	570.8	86.86	7.572	
12,200.0	12,169.3	12,211.6	12,163.5	43.8	43.9	-81.23	362.2	915.0	656.8	569.6	87.13	7.538	
12,250.0	12,217.9	12,259.8	12,208.3	44.0	44.0	-80.77	344.6	915.0	655.3	568.0	87.37	7.501	
12,300.0	12,265.4	12,307.4	12,251.0	44.1	44.1	-80.37	323.6	915.0	653.4	565.8	87.59	7.460	
12,350.0	12,311.2	12,354.5	12,291.4	44.2	44.2	-80.05	299.4	915.1	651.0	563.2	87.78	7.416	
12,400.0	12,355.2	12,401.1	12,329.3	44.3	44.3	-79.79	272.3	915.1	648.1	560.1	87.95	7.369	
12,450.0	12,396.9	12,447.2	12,364.4	44.4	44.3	-79.59	242.5	915.2	644.7	556.6	88.10	7.318	
12,500.0	12,436.1	12,492.8	12,396.8	44.5	44.4	-79.47	210.3	915.2	640.9	552.7	88.22	7.265	
12,550.0	12,472.4	12,538.1	12,426.3	44.5	44.4	-79.42	176.0	915.3	636.6	548.3	88.32	7.208	
12,600.0	12,505.6	12,583.0	12,452.7	44.6	44.5	-79.43	139.8	915.4	632.0	543.6	88.41	7.149	
12,650.0	12,535.4	12,627.5	12,476.1	44.6	44.5	-79.51	101.8	915.4	626.9	538.5	88.48	7.086	
12,700.0	12,561.6	12,671.7	12,496.3	44.7	44.5	-79.66	62.5	915.5	621.6	533.0	88.55	7.019	
12,750.0	12,584.0	12,715.7	12,513.3	44.7	44.5	-79.88	21.9	915.6	615.9	527.3	88.62	6.950	
12,800.0	12,602.4	12,759.5	12,527.2	44.7	44.6	-80.17	-19.6	915.6	609.9	521.2	88.69	6.877	
12,850.0	12,616.7	12,803.1	12,537.7	44.8	44.6	-80.52	-61.9	915.7	603.7	514.9	88.77	6.800	
12,900.0	12,626.7	12,846.6	12,545.0	44.9	44.6	-80.94	-104.7	915.8	597.2	508.4	88.86	6.721	
12,950.0	12,632.5	12,890.0	12,549.1	45.0	44.7	-81.43	-147.9	915.9	590.6	501.6	88.97	6.638	
12,991.0	12,634.0	12,925.4	12,550.0	45.1	44.7	-81.87	-183.3	915.9	585.1	496.0	89.07	6.569	
13,000.0	12,634.0	12,938.1	12,550.0	45.1	44.8	-81.86	-190.2	915.9	583.9	494.8	89.11	6.553	
13,100.0	12,634.0	13,031.6	12,550.0	45.4	45.0	-81.73	-289.5	916.6	572.8	483.3	89.47	6.402	
13,200.0	12,634.0	13,131.3	12,550.0	45.7	45.2	-81.64	-389.2	917.2	565.1	475.2	89.96	6.282	
13,300.0	12,634.0	13,231.2	12,550.0	46.0	45.6	-81.59	-489.1	917.9	560.9	470.3	90.57	6.193	
13,368.8	12,634.0	13,300.0	12,550.0	46.3	45.8	-81.58	-557.9	918.3	560.0	468.9	91.05	6.150	
13,400.0	12,634.0	13,331.2	12,550.0	46.4	45.9	-81.58	-589.1	918.5	559.9	468.6	91.30	6.133	
13,500.0	12,634.0	13,431.2	12,550.0	46.8	46.4	-81.58	-689.1	919.2	559.8	467.7	92.15	6.075	
13,600.0	12,634.0	13,531.2	12,550.0	47.3	46.9	-81.58	-789.1	919.8	559.7	466.6	93.10	6.012	
13,700.0	12,634.0	13,631.2	12,550.0	47.9	47.4	-81.57	-889.1	920.5	559.5	465.4	94.16	5.943	
13,800.0	12,634.0	13,731.2	12,550.0	48.4	48.0	-81.57	-989.1	921.1	559.4	464.1	95.32	5.869	
13,900.0	12,634.0	13,831.2	12,550.0	49.1	48.6	-81.57	-1,089.1	921.7	559.3	462.7	96.57	5.791	
14,000.0	12,634.0	13,931.2	12,550.0	49.7	49.3	-81.57	-1,189.1	922.4	559.2	461.2	97.92	5.710	
14,100.0	12,634.0	14,031.2	12,550.0	50.5	50.0	-81.57	-1,289.1	923.0	559.0	459.7	99.36	5.626	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.0	12,634.0	14,131.2	12,550.0	51.2	50.8	-81.56	-1,389.1	923.7	558.9	458.0	100.89	5.540	
14,300.0	12,634.0	14,231.2	12,550.0	52.0	51.6	-81.56	-1,489.1	924.3	558.8	456.3	102.50	5.452	
14,400.0	12,634.0	14,331.2	12,550.0	52.9	52.5	-81.56	-1,589.1	925.0	558.6	454.4	104.18	5.362	
14,500.0	12,634.0	14,431.2	12,550.0	53.8	53.4	-81.56	-1,689.1	925.6	558.5	452.6	105.94	5.272	
14,600.0	12,634.0	14,531.2	12,550.0	54.7	54.3	-81.56	-1,789.1	926.3	558.4	450.6	107.77	5.181	
14,700.0	12,634.0	14,631.2	12,550.0	55.7	55.2	-81.55	-1,889.1	926.9	558.2	448.6	109.67	5.090	
14,800.0	12,634.0	14,731.2	12,550.0	56.6	56.2	-81.55	-1,989.1	927.6	558.1	446.5	111.64	4.999	
14,900.0	12,634.0	14,831.2	12,550.0	57.7	57.3	-81.55	-2,089.1	928.2	558.0	444.3	113.66	4.909	
15,000.0	12,634.0	14,931.2	12,550.0	58.7	58.3	-81.55	-2,189.1	928.8	557.8	442.1	115.74	4.820	
15,100.0	12,634.0	15,031.2	12,550.0	59.8	59.4	-81.55	-2,289.1	929.5	557.7	439.8	117.88	4.731	
15,200.0	12,634.0	15,131.2	12,550.0	60.9	60.5	-81.54	-2,389.1	930.1	557.6	437.5	120.06	4.644	
15,300.0	12,634.0	15,231.2	12,550.0	62.0	61.6	-81.54	-2,489.1	930.8	557.4	435.1	122.30	4.558	
15,400.0	12,634.0	15,331.2	12,550.0	63.1	62.8	-81.54	-2,589.1	931.4	557.3	432.7	124.58	4.474	
15,500.0	12,634.0	15,431.2	12,550.0	64.3	63.9	-81.54	-2,689.1	932.1	557.2	430.3	126.91	4.390	
15,600.0	12,634.0	15,531.2	12,550.0	65.5	65.1	-81.54	-2,789.1	932.7	557.0	427.8	129.27	4.309	
15,700.0	12,634.0	15,631.2	12,550.0	66.7	66.3	-81.53	-2,889.1	933.4	556.9	425.2	131.68	4.229	
15,800.0	12,634.0	15,731.2	12,550.0	67.9	67.6	-81.53	-2,989.1	934.0	556.8	422.7	134.12	4.151	
15,900.0	12,634.0	15,831.2	12,550.0	69.2	68.8	-81.53	-3,089.1	934.6	556.7	420.1	136.60	4.075	
16,000.0	12,634.0	15,931.2	12,550.0	70.4	70.1	-81.53	-3,189.1	935.3	556.5	417.4	139.11	4.001	
16,100.0	12,634.0	16,031.2	12,550.0	71.7	71.4	-81.53	-3,289.1	935.9	556.4	414.7	141.65	3.928	
16,200.0	12,634.0	16,131.2	12,550.0	73.0	72.7	-81.52	-3,389.1	936.6	556.3	412.0	144.22	3.857	
16,300.0	12,634.0	16,231.2	12,550.0	74.3	74.0	-81.52	-3,489.1	937.2	556.1	409.3	146.82	3.788	
16,400.0	12,634.0	16,331.2	12,550.0	75.6	75.3	-81.52	-3,589.1	937.9	556.0	406.5	149.45	3.720	
16,500.0	12,634.0	16,431.2	12,550.0	77.0	76.6	-81.52	-3,689.1	938.5	555.9	403.8	152.10	3.655	
16,600.0	12,634.0	16,531.2	12,550.0	78.3	78.0	-81.51	-3,789.1	939.2	555.7	401.0	154.78	3.591	
16,700.0	12,634.0	16,631.2	12,550.0	79.7	79.4	-81.51	-3,889.0	939.8	555.6	398.1	157.47	3.528	
16,800.0	12,634.0	16,731.2	12,550.0	81.0	80.7	-81.51	-3,989.0	940.4	555.5	395.3	160.19	3.467	
16,900.0	12,634.0	16,831.2	12,550.0	82.4	82.1	-81.51	-4,089.0	941.1	555.3	392.4	162.93	3.408	
17,000.0	12,634.0	16,931.2	12,550.0	83.8	83.5	-81.51	-4,189.0	941.7	555.2	389.5	165.69	3.351	
17,100.0	12,634.0	17,031.2	12,550.0	85.2	84.9	-81.50	-4,289.0	942.4	555.1	386.6	168.47	3.295	
17,200.0	12,634.0	17,131.2	12,550.0	86.6	86.3	-81.50	-4,389.0	943.0	554.9	383.7	171.27	3.240	
17,300.0	12,634.0	17,231.2	12,550.0	88.0	87.7	-81.50	-4,489.0	943.7	554.8	380.7	174.08	3.187	
17,400.0	12,634.0	17,331.2	12,550.0	89.4	89.2	-81.50	-4,589.0	944.3	554.7	377.8	176.91	3.135	
17,500.0	12,634.0	17,431.2	12,550.0	90.9	90.6	-81.50	-4,689.0	945.0	554.6	374.8	179.75	3.085	
17,600.0	12,634.0	17,531.2	12,550.0	92.3	92.0	-81.49	-4,789.0	945.6	554.4	371.8	182.61	3.036	
17,700.0	12,634.0	17,631.2	12,550.0	93.8	93.5	-81.49	-4,889.0	946.3	554.3	368.8	185.48	2.988	
17,800.0	12,634.0	17,731.2	12,550.0	95.2	94.9	-81.49	-4,989.0	946.9	554.2	365.8	188.37	2.942	
17,900.0	12,634.0	17,831.2	12,550.0	96.7	96.4	-81.49	-5,089.0	947.5	554.0	362.8	191.27	2.897	
18,000.0	12,634.0	17,931.2	12,550.0	98.1	97.9	-81.49	-5,189.0	948.2	553.9	359.7	194.18	2.853	
18,100.0	12,634.0	18,031.2	12,550.0	99.6	99.3	-81.48	-5,289.0	948.8	553.8	356.7	197.10	2.810	
18,200.0	12,634.0	18,131.2	12,550.0	101.1	100.8	-81.48	-5,389.0	949.5	553.6	353.6	200.03	2.768	
18,300.0	12,634.0	18,231.2	12,550.0	102.6	102.3	-81.48	-5,489.0	950.1	553.5	350.5	202.98	2.727	
18,400.0	12,634.0	18,331.2	12,550.0	104.1	103.8	-81.48	-5,589.0	950.8	553.4	347.4	205.93	2.687	
18,500.0	12,634.0	18,431.2	12,550.0	105.6	105.3	-81.48	-5,689.0	951.4	553.2	344.3	208.89	2.648	
18,600.0	12,634.0	18,531.2	12,550.0	107.0	106.8	-81.47	-5,789.0	952.1	553.1	341.2	211.86	2.611	
18,700.0	12,634.0	18,631.2	12,550.0	108.5	108.3	-81.47	-5,889.0	952.7	553.0	338.1	214.84	2.574	
18,800.0	12,634.0	18,731.2	12,550.0	110.1	109.8	-81.47	-5,989.0	953.3	552.8	335.0	217.83	2.538	
18,900.0	12,634.0	18,831.2	12,550.0	111.6	111.3	-81.47	-6,089.0	954.0	552.7	331.9	220.83	2.503	
19,000.0	12,634.0	18,931.2	12,550.0	113.1	112.8	-81.47	-6,189.0	954.6	552.6	328.7	223.84	2.469	
19,100.0	12,634.0	19,031.2	12,550.0	114.6	114.3	-81.46	-6,289.0	955.3	552.4	325.6	226.85	2.435	
19,200.0	12,634.0	19,131.2	12,550.0	116.1	115.9	-81.46	-6,389.0	955.9	552.3	322.5	229.87	2.403	
19,300.0	12,634.0	19,231.2	12,550.0	117.6	117.4	-81.46	-6,489.0	956.6	552.2	319.3	232.89	2.371	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #227H - Wellbore #1 - BLM Plan #2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,400.0	12,634.0	19,331.2	12,550.0	119.2	118.9	-81.46	-6,589.0	957.2	552.1	316.1	235.93	2.340	
19,500.0	12,634.0	19,431.2	12,550.0	120.7	120.5	-81.46	-6,689.0	957.9	551.9	313.0	238.97	2.310	
19,600.0	12,634.0	19,531.2	12,550.0	122.2	122.0	-81.45	-6,789.0	958.5	551.8	309.8	242.01	2.280	
19,700.0	12,634.0	19,631.2	12,550.0	123.8	123.5	-81.45	-6,889.0	959.2	551.7	306.6	245.07	2.251	
19,800.0	12,634.0	19,731.2	12,550.0	125.3	125.1	-81.45	-6,989.0	959.8	551.5	303.4	248.12	2.223	
19,900.0	12,634.0	19,831.2	12,550.0	126.9	126.6	-81.45	-7,089.0	960.4	551.4	300.2	251.19	2.195	
20,000.0	12,634.0	19,931.2	12,550.0	128.4	128.2	-81.45	-7,189.0	961.1	551.3	297.0	254.25	2.168	
20,100.0	12,634.0	20,031.2	12,550.0	130.0	129.7	-81.44	-7,289.0	961.7	551.1	293.8	257.33	2.142	
20,200.0	12,634.0	20,131.2	12,550.0	131.5	131.3	-81.44	-7,389.0	962.4	551.0	290.6	260.41	2.116	
20,300.0	12,634.0	20,231.2	12,550.0	133.1	132.8	-81.44	-7,489.0	963.0	550.9	287.4	263.49	2.091	
20,400.0	12,634.0	20,331.2	12,550.0	134.6	134.4	-81.44	-7,589.0	963.7	550.7	284.2	266.58	2.066	
20,500.0	12,634.0	20,431.2	12,550.0	136.2	135.9	-81.44	-7,689.0	964.3	550.6	280.9	269.67	2.042	
20,600.0	12,634.0	20,531.2	12,550.0	137.7	137.5	-81.43	-7,789.0	965.0	550.5	277.7	272.77	2.018	
20,700.0	12,634.0	20,631.2	12,550.0	139.3	139.1	-81.43	-7,889.0	965.6	550.3	274.5	275.87	1.995	
20,800.0	12,634.0	20,731.2	12,550.0	140.9	140.6	-81.43	-7,989.0	966.2	550.2	271.2	278.97	1.972	
20,900.0	12,634.0	20,831.2	12,550.0	142.4	142.2	-81.43	-8,089.0	966.9	550.1	268.0	282.08	1.950	
21,000.0	12,634.0	20,931.2	12,550.0	144.0	143.8	-81.43	-8,189.0	967.5	550.0	264.8	285.19	1.928	
21,100.0	12,634.0	21,031.2	12,550.0	145.6	145.3	-81.42	-8,289.0	968.2	549.8	261.5	288.31	1.907	
21,200.0	12,634.0	21,131.2	12,550.0	147.1	146.9	-81.42	-8,389.0	968.8	549.7	258.3	291.43	1.886	
21,300.0	12,634.0	21,231.2	12,550.0	148.7	148.5	-81.42	-8,488.9	969.5	549.6	255.0	294.55	1.866	
21,400.0	12,634.0	21,331.2	12,550.0	150.3	150.1	-81.42	-8,588.9	970.1	549.4	251.8	297.68	1.846	
21,500.0	12,634.0	21,431.2	12,550.0	151.9	151.6	-81.41	-8,688.9	970.8	549.3	248.5	300.80	1.826	
21,600.0	12,634.0	21,531.2	12,550.0	153.4	153.2	-81.41	-8,788.9	971.4	549.2	245.2	303.94	1.807	
21,700.0	12,634.0	21,631.2	12,550.0	155.0	154.8	-81.41	-8,888.9	972.1	549.0	242.0	307.07	1.788	
21,800.0	12,634.0	21,731.2	12,550.0	156.6	156.4	-81.41	-8,988.9	972.7	548.9	238.7	310.21	1.769	
21,900.0	12,634.0	21,831.2	12,550.0	158.2	158.0	-81.41	-9,088.9	973.3	548.8	235.4	313.35	1.751	
22,000.0	12,634.0	21,931.2	12,550.0	159.8	159.6	-81.40	-9,188.9	974.0	548.6	232.1	316.49	1.733	
22,100.0	12,634.0	22,031.2	12,550.0	161.4	161.1	-81.40	-9,288.9	974.6	548.5	228.9	319.64	1.716	
22,200.0	12,634.0	22,131.2	12,550.0	163.0	162.7	-81.40	-9,388.9	975.3	548.4	225.6	322.79	1.699	
22,300.0	12,634.0	22,231.2	12,550.0	164.5	164.3	-81.40	-9,488.9	975.9	548.2	222.3	325.94	1.682	
22,400.0	12,634.0	22,331.2	12,550.0	166.1	165.9	-81.40	-9,588.9	976.6	548.1	219.0	329.09	1.666	
22,500.0	12,634.0	22,431.2	12,550.0	167.7	167.5	-81.39	-9,688.9	977.2	548.0	215.7	332.25	1.649	
22,600.0	12,634.0	22,531.2	12,550.0	169.3	169.1	-81.39	-9,788.9	977.9	547.9	212.4	335.41	1.633	
22,700.0	12,634.0	22,631.2	12,550.0	170.9	170.7	-81.39	-9,888.9	978.5	547.7	209.2	338.57	1.618	
22,796.3	12,634.0	22,727.6	12,550.0	172.4	172.2	-81.39	-9,985.3	979.1	547.6	206.0	341.61	1.603	
22,796.7	12,634.0	22,727.9	12,550.0	172.5	172.2	-81.39	-9,985.6	979.1	547.6	206.0	341.62	1.603 CC, ES, SF	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	0.0	0.0	82.75	31.8	249.7	251.7				
100.0	100.0	100.0	100.0	0.1	0.1	82.75	31.8	249.7	251.7	251.5	0.26	982.215	
200.0	200.0	200.0	200.0	0.5	0.5	82.75	31.8	249.7	251.7	250.8	0.97	258.668	
300.0	300.0	300.0	300.0	0.8	0.8	82.75	31.8	249.7	251.7	250.1	1.69	148.947	
400.0	400.0	400.0	400.0	1.2	1.2	82.75	31.8	249.7	251.7	249.3	2.41	104.584	
500.0	500.0	500.0	500.0	1.6	1.6	82.75	31.8	249.7	251.7	248.6	3.12	80.583	
600.0	600.0	600.0	600.0	1.9	1.9	82.75	31.8	249.7	251.7	247.9	3.84	65.542	
700.0	700.0	700.0	700.0	2.3	2.3	82.75	31.8	249.7	251.7	247.2	4.56	55.233	
800.0	800.0	800.0	800.0	2.6	2.6	82.75	31.8	249.7	251.7	246.5	5.27	47.726	
900.0	900.0	900.0	900.0	3.0	3.0	82.75	31.8	249.7	251.7	245.8	5.99	42.015	
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	82.75	31.8	249.7	251.7	245.0	6.71	37.525	
1,100.0	1,100.0	1,100.0	1,100.0	3.7	3.7	82.75	31.8	249.7	251.7	244.3	7.43	33.902	
1,200.0	1,200.0	1,200.0	1,200.0	4.1	4.1	82.75	31.8	249.7	251.7	243.6	8.14	30.917	
1,300.0	1,300.0	1,300.0	1,300.0	4.4	4.4	82.75	31.8	249.7	251.7	242.9	8.86	28.415	
1,400.0	1,400.0	1,400.0	1,400.0	4.8	4.8	82.75	31.8	249.7	251.7	242.2	9.58	26.288	
1,500.0	1,500.0	1,500.0	1,500.0	5.1	5.1	82.75	31.8	249.7	251.7	241.5	10.29	24.457	
1,600.0	1,600.0	1,600.6	1,600.6	5.5	5.5	48.81	32.6	249.5	251.1	240.0	11.01	22.803	
1,700.0	1,700.0	1,701.1	1,701.1	5.9	5.9	48.68	35.2	248.8	249.0	237.3	11.72	21.236	
1,800.0	1,799.9	1,801.6	1,801.5	6.2	6.2	48.45	39.5	247.7	245.5	233.1	12.44	19.739	
1,900.0	1,899.7	1,902.0	1,901.7	6.6	6.6	48.11	45.5	246.1	240.7	227.6	13.15	18.299	
2,000.0	1,999.4	2,002.3	2,001.6	6.9	6.9	47.67	53.1	244.1	234.5	220.7	13.87	16.907	
2,100.0	2,098.9	2,102.4	2,101.3	7.3	7.3	47.09	62.4	241.6	227.0	212.4	14.59	15.557	
2,200.0	2,198.3	2,202.3	2,200.5	7.7	7.7	46.35	73.4	238.7	218.2	202.9	15.32	14.243	
2,300.0	2,297.4	2,302.0	2,299.4	8.0	8.0	45.42	86.1	235.3	208.1	192.0	16.05	12.962	
2,400.0	2,396.4	2,401.3	2,397.7	8.4	8.4	44.26	99.4	231.8	197.3	180.6	16.79	11.753	
2,500.0	2,495.5	2,500.7	2,496.1	8.8	8.8	42.97	112.8	228.2	186.7	169.2	17.53	10.648	
2,600.0	2,594.5	2,600.0	2,594.5	9.2	9.2	41.52	126.1	224.7	176.2	157.9	18.28	9.637	
2,700.0	2,693.5	2,700.6	2,692.9	9.6	9.6	39.89	139.5	221.1	165.8	146.7	19.04	8.708	
2,800.0	2,792.5	2,798.7	2,791.2	9.9	9.9	38.05	152.9	217.6	155.5	135.7	19.79	7.861	
2,900.0	2,891.6	2,902.0	2,889.6	10.3	10.4	35.94	166.2	214.0	145.5	124.9	20.55	7.077	
3,000.0	2,990.6	3,002.6	2,988.0	10.7	10.7	33.53	179.6	210.5	135.6	114.3	21.31	6.363	
3,100.0	3,089.6	3,096.7	3,086.4	11.1	11.1	30.75	192.9	206.9	126.0	104.0	22.04	5.718	
3,200.0	3,188.6	3,196.1	3,184.7	11.5	11.5	27.52	206.3	203.4	116.8	94.0	22.79	5.126	
3,300.0	3,287.7	3,304.6	3,283.1	11.9	11.9	23.76	219.7	199.8	108.0	84.5	23.57	4.583	
3,400.0	3,386.7	3,394.7	3,381.5	12.3	12.3	19.36	233.0	196.3	99.8	75.5	24.27	4.112	
3,500.0	3,485.7	3,505.9	3,479.8	12.7	12.7	14.21	246.4	192.7	92.2	67.2	25.04	3.684	
3,600.0	3,584.8	3,606.6	3,578.2	13.1	13.2	8.20	259.8	189.2	85.5	59.8	25.75	3.322	
3,700.0	3,683.8	3,707.2	3,676.6	13.5	13.6	1.28	273.1	185.6	80.0	53.5	26.45	3.022	
3,800.0	3,782.8	3,807.9	3,775.0	13.9	14.0	-6.54	286.5	182.1	75.7	48.6	27.15	2.788	
3,900.0	3,881.8	3,908.6	3,873.3	14.3	14.4	-15.09	299.8	178.5	73.0	45.2	27.86	2.622	
4,000.0	3,980.9	3,990.8	3,971.7	14.7	14.7	-24.07	313.2	175.0	72.1	43.6	28.52	2.529	
4,001.1	3,982.0	4,008.1	3,972.8	14.7	14.8	-24.18	313.4	174.9	72.1	43.5	28.58	2.523 CC	
4,100.0	4,079.9	4,109.9	4,070.1	15.1	15.2	-33.06	326.6	171.4	73.0	43.7	29.34	2.488	
4,200.0	4,178.9	4,189.5	4,168.5	15.5	15.5	-41.62	339.9	167.9	75.6	45.6	30.06	2.516	
4,300.0	4,277.9	4,290.0	4,268.1	16.0	15.9	-49.56	353.0	164.4	79.4	48.5	30.91	2.568	
4,400.0	4,377.0	4,391.6	4,369.1	16.4	16.3	-56.98	363.9	161.5	82.1	50.3	31.80	2.582	
4,500.0	4,476.0	4,493.2	4,470.3	16.8	16.7	-64.30	372.1	159.3	83.5	50.8	32.69	2.555	
4,600.0	4,575.0	4,594.7	4,571.6	17.2	17.1	-71.97	377.7	157.8	83.7	50.2	33.57	2.494	
4,700.0	4,674.0	4,695.9	4,672.8	17.6	17.4	-80.38	380.8	157.0	83.2	48.7	34.45	2.414	
4,800.0	4,773.1	4,803.8	4,773.1	18.0	17.8	-89.77	381.3	156.9	82.4	47.1	35.35	2.332	
4,802.4	4,775.4	4,801.5	4,775.4	18.0	17.8	-90.00	381.3	156.9	82.4	47.1	35.35	2.332	
4,900.0	4,872.1	4,904.8	4,872.1	18.4	18.1	-99.27	381.3	156.9	83.6	47.4	36.19	2.309	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,941.9	4,913.6	4,936.7	4,913.6	18.6	18.2	-103.13	381.3	156.9	84.7	48.2	36.49	2.321	
5,000.0	4,971.2	5,005.7	4,971.2	18.8	18.5	-108.05	381.3	156.9	86.8	49.8	36.97	2.347	
5,100.0	5,070.6	5,106.3	5,070.6	19.2	18.8	-114.74	381.3	156.9	90.8	53.2	37.68	2.411	
5,200.0	5,170.2	5,206.7	5,170.2	19.6	19.2	-119.46	381.3	156.9	94.7	56.4	38.37	2.469	
5,300.0	5,270.0	5,306.9	5,270.0	19.9	19.5	-122.50	381.3	156.9	97.8	58.7	39.05	2.504	
5,400.0	5,370.0	5,406.9	5,370.0	20.3	19.8	-124.11	381.3	156.9	99.6	59.9	39.72	2.507	
5,475.2	5,445.2	5,468.3	5,445.2	20.6	20.1	-90.58	381.3	156.9	100.0	59.8	40.19	2.488	
5,500.0	5,470.0	5,506.9	5,470.0	20.6	20.2	-90.58	381.3	156.9	100.0	59.6	40.41	2.475	
5,600.0	5,570.0	5,606.9	5,570.0	21.0	20.5	-90.58	381.3	156.9	100.0	58.9	41.09	2.434	
5,700.0	5,670.0	5,706.9	5,670.0	21.3	20.9	-90.58	381.3	156.9	100.0	58.2	41.77	2.394	
5,800.0	5,770.0	5,806.9	5,770.0	21.6	21.2	-90.58	381.3	156.9	100.0	57.5	42.46	2.355	
5,900.0	5,870.0	5,906.9	5,870.0	22.0	21.6	-90.58	381.3	156.9	100.0	56.9	43.14	2.318	
6,000.0	5,970.0	6,006.9	5,970.0	22.3	21.9	-90.58	381.3	156.9	100.0	56.2	43.83	2.282	
6,100.0	6,070.0	6,106.9	6,070.0	22.7	22.3	-90.58	381.3	156.9	100.0	55.5	44.52	2.246	
6,200.0	6,170.0	6,206.9	6,170.0	23.0	22.6	-90.58	381.3	156.9	100.0	54.8	45.20	2.212	
6,300.0	6,270.0	6,306.9	6,270.0	23.3	23.0	-90.58	381.3	156.9	100.0	54.1	45.89	2.179	
6,400.0	6,370.0	6,406.9	6,370.0	23.7	23.3	-90.58	381.3	156.9	100.0	53.4	46.58	2.147	
6,500.0	6,470.0	6,506.9	6,470.0	24.0	23.6	-90.58	381.3	156.9	100.0	52.7	47.27	2.115	
6,600.0	6,570.0	6,606.9	6,570.0	24.3	24.0	-90.58	381.3	156.9	100.0	52.0	47.97	2.085	
6,700.0	6,670.0	6,706.9	6,670.0	24.7	24.3	-90.58	381.3	156.9	100.0	51.3	48.66	2.055	
6,800.0	6,770.0	6,806.9	6,770.0	25.0	24.7	-90.58	381.3	156.9	100.0	50.6	49.35	2.026	
6,900.0	6,870.0	6,906.9	6,870.0	25.4	25.0	-90.58	381.3	156.9	100.0	49.9	50.05	1.998	
7,000.0	6,970.0	7,006.9	6,970.0	25.7	25.4	-90.58	381.3	156.9	100.0	49.3	50.74	1.971	
7,100.0	7,070.0	7,106.9	7,070.0	26.1	25.7	-90.58	381.3	156.9	100.0	48.6	51.43	1.944	
7,200.0	7,170.0	7,206.9	7,170.0	26.4	26.1	-90.58	381.3	156.9	100.0	47.9	52.13	1.918	
7,300.0	7,270.0	7,306.9	7,270.0	26.7	26.4	-90.58	381.3	156.9	100.0	47.2	52.83	1.893	
7,400.0	7,370.0	7,406.9	7,370.0	27.1	26.8	-90.58	381.3	156.9	100.0	46.5	53.52	1.868	
7,500.0	7,470.0	7,506.9	7,470.0	27.4	27.1	-90.58	381.3	156.9	100.0	45.8	54.22	1.844	
7,600.0	7,570.0	7,606.9	7,570.0	27.8	27.5	-90.58	381.3	156.9	100.0	45.1	54.92	1.821	
7,700.0	7,670.0	7,706.9	7,670.0	28.1	27.8	-90.58	381.3	156.9	100.0	44.4	55.62	1.798	
7,800.0	7,770.0	7,806.9	7,770.0	28.5	28.2	-90.58	381.3	156.9	100.0	43.7	56.32	1.776	
7,900.0	7,870.0	7,906.9	7,870.0	28.8	28.5	-90.58	381.3	156.9	100.0	43.0	57.01	1.754	
8,000.0	7,970.0	8,006.9	7,970.0	29.2	28.9	-90.58	381.3	156.9	100.0	42.3	57.71	1.733	
8,100.0	8,070.0	8,106.9	8,070.0	29.5	29.2	-90.58	381.3	156.9	100.0	41.6	58.41	1.712	
8,200.0	8,170.0	8,206.9	8,170.0	29.9	29.6	-90.58	381.3	156.9	100.0	40.9	59.11	1.692	
8,300.0	8,270.0	8,306.9	8,270.0	30.2	29.9	-90.58	381.3	156.9	100.0	40.2	59.82	1.672	
8,400.0	8,370.0	8,406.9	8,370.0	30.5	30.3	-90.58	381.3	156.9	100.0	39.5	60.52	1.652	
8,500.0	8,470.0	8,506.9	8,470.0	30.9	30.6	-90.58	381.3	156.9	100.0	38.8	61.22	1.633	
8,600.0	8,570.0	8,606.9	8,570.0	31.2	31.0	-90.58	381.3	156.9	100.0	38.1	61.92	1.615	
8,700.0	8,670.0	8,706.9	8,670.0	31.6	31.3	-90.58	381.3	156.9	100.0	37.4	62.62	1.597	
8,800.0	8,770.0	8,806.9	8,770.0	31.9	31.7	-90.58	381.3	156.9	100.0	36.7	63.33	1.579	
8,900.0	8,870.0	8,906.9	8,870.0	32.3	32.0	-90.58	381.3	156.9	100.0	36.0	64.03	1.562	
9,000.0	8,970.0	9,006.9	8,970.0	32.6	32.4	-90.58	381.3	156.9	100.0	35.3	64.73	1.545	
9,100.0	9,070.0	9,106.9	9,070.0	33.0	32.8	-90.58	381.3	156.9	100.0	34.6	65.43	1.528	
9,200.0	9,170.0	9,206.9	9,170.0	33.3	33.1	-90.58	381.3	156.9	100.0	33.9	66.14	1.512	
9,300.0	9,270.0	9,306.9	9,270.0	33.7	33.5	-90.58	381.3	156.9	100.0	33.2	66.84	1.496	Level 3
9,400.0	9,370.0	9,406.9	9,370.0	34.0	33.8	-90.58	381.3	156.9	100.0	32.4	67.55	1.480	Level 3
9,500.0	9,470.0	9,506.9	9,470.0	34.4	34.2	-90.58	381.3	156.9	100.0	31.7	68.25	1.465	Level 3
9,600.0	9,570.0	9,606.9	9,570.0	34.7	34.5	-90.58	381.3	156.9	100.0	31.0	68.96	1.450	Level 3
9,700.0	9,670.0	9,706.9	9,670.0	35.1	34.9	-90.58	381.3	156.9	100.0	30.3	69.66	1.435	Level 3
9,800.0	9,770.0	9,806.9	9,770.0	35.4	35.2	-90.58	381.3	156.9	100.0	29.6	70.37	1.421	Level 3
9,900.0	9,870.0	9,906.9	9,870.0	35.8	35.6	-90.58	381.3	156.9	100.0	28.9	71.07	1.407	Level 3

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.0	9,970.0	10,006.9	9,970.0	36.1	35.9	-90.58	381.3	156.9	100.0	28.2	71.78	1.393	Level 3
10,100.0	10,070.0	10,106.9	10,070.0	36.5	36.3	-90.58	381.3	156.9	100.0	27.5	72.48	1.380	Level 3
10,200.0	10,170.0	10,206.9	10,170.0	36.8	36.6	-90.58	381.3	156.9	100.0	26.8	73.19	1.366	Level 3
10,300.0	10,270.0	10,306.9	10,270.0	37.2	37.0	-90.58	381.3	156.9	100.0	26.1	73.90	1.353	Level 3
10,400.0	10,370.0	10,406.9	10,370.0	37.5	37.3	-90.58	381.3	156.9	100.0	25.4	74.60	1.340	Level 3
10,500.0	10,470.0	10,506.9	10,470.0	37.9	37.7	-90.58	381.3	156.9	100.0	24.7	75.31	1.328	Level 3
10,600.0	10,570.0	10,606.9	10,570.0	38.2	38.1	-90.58	381.3	156.9	100.0	24.0	76.02	1.315	Level 3
10,700.0	10,670.0	10,706.9	10,670.0	38.6	38.4	-90.58	381.3	156.9	100.0	23.3	76.73	1.303	Level 3
10,800.0	10,770.0	10,806.9	10,770.0	38.9	38.8	-90.58	381.3	156.9	100.0	22.6	77.43	1.291	Level 3
10,900.0	10,870.0	10,906.9	10,870.0	39.3	39.1	-90.58	381.3	156.9	100.0	21.9	78.14	1.280	Level 3
11,000.0	10,970.0	11,006.9	10,970.0	39.6	39.5	-90.58	381.3	156.9	100.0	21.1	78.85	1.268	Level 3
11,100.0	11,070.0	11,106.9	11,070.0	40.0	39.8	-90.58	381.3	156.9	100.0	20.4	79.56	1.257	Level 3
11,200.0	11,170.0	11,206.9	11,170.0	40.3	40.2	-90.58	381.3	156.9	100.0	19.7	80.26	1.246	Level 2
11,300.0	11,270.0	11,306.9	11,270.0	40.7	40.5	-90.58	381.3	156.9	100.0	19.0	80.97	1.235	Level 2
11,400.0	11,370.0	11,406.9	11,370.0	41.0	40.9	-90.58	381.3	156.9	100.0	18.3	81.68	1.224	Level 2
11,500.0	11,470.0	11,506.9	11,470.0	41.4	41.2	-90.58	381.3	156.9	100.0	17.6	82.39	1.214	Level 2
11,600.0	11,570.0	11,606.9	11,570.0	41.8	41.6	-90.58	381.3	156.9	100.0	16.9	83.10	1.203	Level 2
11,700.0	11,670.0	11,706.9	11,670.0	42.1	42.0	-90.58	381.3	156.9	100.0	16.2	83.81	1.193	Level 2
11,800.0	11,770.0	11,806.9	11,770.0	42.5	42.3	-90.58	381.3	156.9	100.0	15.5	84.52	1.183	Level 2
11,900.0	11,870.0	11,906.9	11,870.0	42.8	42.7	-90.58	381.3	156.9	100.0	14.8	85.22	1.173	Level 2
12,000.0	11,970.0	12,006.9	11,970.0	43.2	43.0	-90.58	381.3	156.9	100.0	14.1	85.93	1.164	Level 2
12,091.0	12,061.0	12,084.1	12,061.0	43.5	43.3	-90.58	381.3	156.9	100.0	13.5	86.53	1.156	Level 2
12,100.0	12,070.0	12,106.9	12,070.0	43.5	43.4	97.46	381.3	156.9	100.0	13.4	86.64	1.154	Level 2, ES, SF
12,150.0	12,119.9	12,143.0	12,119.9	43.7	43.5	99.09	381.3	156.9	100.4	13.5	86.93	1.155	Level 2
12,200.0	12,169.3	12,207.6	12,169.3	43.8	43.7	102.97	381.3	156.9	101.8	14.5	87.33	1.166	Level 2
12,250.0	12,217.9	12,241.1	12,217.9	44.0	43.9	108.67	381.3	156.9	105.1	17.5	87.60	1.200	Level 2
12,300.0	12,265.4	12,288.5	12,265.4	44.1	44.0	115.49	381.3	156.9	111.3	23.4	87.91	1.266	Level 3
12,350.0	12,311.2	12,334.4	12,311.2	44.2	44.2	122.58	381.3	156.9	121.6	33.5	88.19	1.379	Level 3
12,400.0	12,355.2	12,378.3	12,355.2	44.3	44.3	129.19	381.3	156.9	136.8	48.4	88.43	1.547	
12,450.0	12,396.9	12,420.1	12,396.9	44.4	44.5	134.84	381.3	156.9	157.0	68.4	88.65	1.771	
12,500.0	12,436.1	12,459.2	12,436.1	44.5	44.6	139.35	381.3	156.9	182.1	93.3	88.84	2.050	
12,550.0	12,472.4	12,504.4	12,472.4	44.5	44.8	142.71	381.3	156.9	211.8	122.7	89.05	2.378	
12,600.0	12,505.6	12,528.7	12,505.6	44.6	44.9	145.00	381.3	156.9	245.4	156.2	89.18	2.752	
12,650.0	12,535.4	12,558.5	12,535.4	44.6	45.0	146.25	381.3	156.9	282.6	193.3	89.32	3.164	
12,700.0	12,561.6	12,584.7	12,561.6	44.7	45.1	146.43	381.3	156.9	322.8	233.4	89.44	3.609	
12,750.0	12,584.0	12,607.1	12,584.0	44.7	45.2	145.39	381.3	156.9	365.6	276.1	89.54	4.083	
12,800.0	12,602.4	12,625.5	12,602.4	44.7	45.2	142.75	381.3	156.9	410.5	320.9	89.61	4.581	
12,850.0	12,616.7	12,639.8	12,616.7	44.8	45.3	137.64	381.3	156.9	457.1	367.5	89.67	5.098	
12,900.0	12,626.7	12,649.9	12,626.7	44.9	45.3	128.32	381.3	156.9	505.0	415.3	89.71	5.630	
12,950.0	12,632.5	12,655.6	12,632.5	45.0	45.3	111.47	381.3	156.9	553.8	464.1	89.73	6.172	
12,991.0	12,634.0	12,657.1	12,634.0	45.1	45.3	90.00	381.3	156.9	594.2	504.5	89.73	6.622	
13,000.0	12,634.0	12,657.1	12,634.0	45.1	45.3	90.00	381.3	156.9	603.0	513.3	89.73	6.721	
13,100.0	12,634.0	12,657.1	12,634.0	45.4	45.3	90.00	381.3	156.9	701.6	611.8	89.72	7.819	
13,200.0	12,634.0	12,657.1	12,634.0	45.7	45.3	90.00	381.3	156.9	799.9	710.2	89.72	8.916	
13,300.0	12,634.0	12,657.1	12,634.0	46.0	45.3	90.00	381.3	156.9	898.0	808.3	89.71	10.010	
13,368.8	12,634.0	12,657.1	12,634.0	46.3	45.3	90.00	381.3	156.9	965.4	875.6	89.71	10.760	
13,400.0	12,634.0	12,657.1	12,634.0	46.4	45.3	90.00	381.3	156.9	995.9	906.2	89.71	11.101	
13,500.0	12,634.0	12,657.1	12,634.0	46.8	45.3	90.00	381.3	156.9	1,094.1	1,004.4	89.72	12.195	
13,600.0	12,634.0	14,685.5	13,732.0	47.3	50.9	168.19	-794.5	136.5	1,121.8	1,069.7	52.07	21.543	
13,700.0	12,634.0	14,785.5	13,732.0	47.9	51.4	168.19	-894.5	137.3	1,121.8	1,069.1	52.69	21.291	
13,800.0	12,634.0	14,885.5	13,732.0	48.4	51.9	168.19	-994.5	138.1	1,121.8	1,068.4	53.35	21.027	
13,900.0	12,634.0	14,985.5	13,732.0	49.1	52.5	168.19	-1,094.5	138.9	1,121.8	1,067.7	54.05	20.752	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,000.0	12,634.0	15,085.5	13,732.0	49.7	53.2	168.19	-1,194.5	139.7	1,121.8	1,067.0	54.80	20.469	
14,100.0	12,634.0	15,185.5	13,732.0	50.5	53.8	168.19	-1,294.5	140.4	1,121.8	1,066.2	55.59	20.179	
14,200.0	12,634.0	15,285.5	13,732.0	51.2	54.6	168.19	-1,394.5	141.2	1,121.8	1,065.3	56.42	19.883	
14,300.0	12,634.0	15,385.5	13,732.0	52.0	55.3	168.19	-1,494.5	142.0	1,121.8	1,064.5	57.28	19.582	
14,400.0	12,634.0	15,485.5	13,732.0	52.9	56.1	168.19	-1,594.5	142.8	1,121.8	1,063.6	58.18	19.279	
14,500.0	12,634.0	15,585.5	13,732.0	53.8	57.0	168.19	-1,694.4	143.6	1,121.8	1,062.6	59.12	18.975	
14,600.0	12,634.0	15,685.5	13,732.0	54.7	57.8	168.19	-1,794.4	144.3	1,121.8	1,061.7	60.09	18.669	
14,700.0	12,634.0	15,785.5	13,732.0	55.7	58.7	168.19	-1,894.4	145.1	1,121.8	1,060.7	61.08	18.364	
14,800.0	12,634.0	15,885.5	13,732.0	56.6	59.7	168.19	-1,994.4	145.9	1,121.8	1,059.6	62.11	18.061	
14,900.0	12,634.0	15,985.5	13,732.0	57.7	60.6	168.19	-2,094.4	146.7	1,121.8	1,058.6	63.16	17.759	
15,000.0	12,634.0	16,085.5	13,732.0	58.7	61.6	168.19	-2,194.4	147.5	1,121.8	1,057.5	64.25	17.460	
15,100.0	12,634.0	16,185.5	13,732.0	59.8	62.7	168.19	-2,294.4	148.3	1,121.8	1,056.4	65.35	17.165	
15,200.0	12,634.0	16,285.5	13,732.0	60.9	63.7	168.19	-2,394.4	149.0	1,121.7	1,055.3	66.48	16.873	
15,300.0	12,634.0	16,385.5	13,732.0	62.0	64.8	168.19	-2,494.4	149.8	1,121.7	1,054.1	67.64	16.585	
15,400.0	12,634.0	16,485.5	13,732.0	63.1	65.9	168.19	-2,594.4	150.6	1,121.7	1,052.9	68.81	16.302	
15,500.0	12,634.0	16,585.5	13,732.0	64.3	67.0	168.19	-2,694.4	151.4	1,121.7	1,051.7	70.01	16.024	
15,600.0	12,634.0	16,685.5	13,732.0	65.5	68.2	168.19	-2,794.4	152.2	1,121.7	1,050.5	71.22	15.750	
15,700.0	12,634.0	16,785.5	13,732.0	66.7	69.3	168.19	-2,894.4	152.9	1,121.7	1,049.3	72.45	15.482	
15,800.0	12,634.0	16,885.5	13,732.0	67.9	70.5	168.19	-2,994.4	153.7	1,121.7	1,048.0	73.70	15.220	
15,900.0	12,634.0	16,985.5	13,732.0	69.2	71.7	168.19	-3,094.4	154.5	1,121.7	1,046.8	74.97	14.962	
16,000.0	12,634.0	17,085.5	13,732.0	70.4	72.9	168.19	-3,194.4	155.3	1,121.7	1,045.5	76.25	14.710	
16,100.0	12,634.0	17,185.5	13,732.0	71.7	74.2	168.19	-3,294.4	156.1	1,121.7	1,044.2	77.55	14.464	
16,200.0	12,634.0	17,285.5	13,732.0	73.0	75.4	168.19	-3,394.4	156.9	1,121.7	1,042.9	78.87	14.223	
16,300.0	12,634.0	17,385.5	13,732.0	74.3	76.7	168.19	-3,494.4	157.6	1,121.7	1,041.5	80.19	13.988	
16,400.0	12,634.0	17,485.5	13,732.0	75.6	78.0	168.19	-3,594.4	158.4	1,121.7	1,040.2	81.53	13.758	
16,500.0	12,634.0	17,585.5	13,732.0	77.0	79.3	168.19	-3,694.4	159.2	1,121.7	1,038.9	82.88	13.534	
16,600.0	12,634.0	17,685.5	13,732.0	78.3	80.6	168.19	-3,794.4	160.0	1,121.7	1,037.5	84.25	13.315	
16,700.0	12,634.0	17,785.5	13,732.0	79.7	81.9	168.19	-3,894.4	160.8	1,121.7	1,036.1	85.62	13.101	
16,800.0	12,634.0	17,885.5	13,732.0	81.0	83.2	168.19	-3,994.4	161.5	1,121.7	1,034.7	87.01	12.893	
16,900.0	12,634.0	17,985.5	13,732.0	82.4	84.6	168.19	-4,094.4	162.3	1,121.7	1,033.3	88.40	12.689	
17,000.0	12,634.0	18,085.5	13,732.0	83.8	85.9	168.19	-4,194.4	163.1	1,121.7	1,031.9	89.81	12.491	
17,100.0	12,634.0	18,185.5	13,732.0	85.2	87.3	168.19	-4,294.4	163.9	1,121.7	1,030.5	91.22	12.297	
17,200.0	12,634.0	18,285.5	13,732.0	86.6	88.7	168.19	-4,394.4	164.7	1,121.7	1,029.1	92.64	12.108	
17,300.0	12,634.0	18,385.5	13,732.0	88.0	90.1	168.19	-4,494.4	165.4	1,121.7	1,027.7	94.08	11.924	
17,400.0	12,634.0	18,485.5	13,732.0	89.4	91.5	168.19	-4,594.4	166.2	1,121.7	1,026.2	95.52	11.744	
17,500.0	12,634.0	18,585.5	13,732.0	90.9	92.9	168.19	-4,694.4	167.0	1,121.7	1,024.8	96.96	11.569	
17,600.0	12,634.0	18,685.5	13,732.0	92.3	94.3	168.19	-4,794.4	167.8	1,121.7	1,023.3	98.42	11.398	
17,700.0	12,634.0	18,785.5	13,732.0	93.8	95.7	168.19	-4,894.4	168.6	1,121.7	1,021.9	99.88	11.231	
17,800.0	12,634.0	18,885.5	13,732.0	95.2	97.1	168.19	-4,994.3	169.4	1,121.7	1,020.4	101.35	11.068	
17,900.0	12,634.0	18,985.5	13,732.0	96.7	98.5	168.19	-5,094.3	170.1	1,121.7	1,018.9	102.82	10.909	
18,000.0	12,634.0	19,085.5	13,732.0	98.1	100.0	168.19	-5,194.3	170.9	1,121.7	1,017.4	104.30	10.755	
18,100.0	12,634.0	19,185.5	13,732.0	99.6	101.4	168.19	-5,294.3	171.7	1,121.7	1,015.9	105.79	10.603	
18,200.0	12,634.0	19,285.5	13,732.0	101.1	102.9	168.19	-5,394.3	172.5	1,121.7	1,014.4	107.28	10.456	
18,300.0	12,634.0	19,385.5	13,732.0	102.6	104.3	168.20	-5,494.3	173.3	1,121.7	1,012.9	108.78	10.312	
18,400.0	12,634.0	19,485.5	13,732.0	104.1	105.8	168.20	-5,594.3	174.0	1,121.7	1,011.4	110.28	10.171	
18,500.0	12,634.0	19,585.5	13,732.0	105.6	107.3	168.20	-5,694.3	174.8	1,121.7	1,009.9	111.79	10.034	
18,600.0	12,634.0	19,685.5	13,732.0	107.0	108.7	168.20	-5,794.3	175.6	1,121.7	1,008.4	113.30	9.900	
18,700.0	12,634.0	19,785.5	13,732.0	108.5	110.2	168.20	-5,894.3	176.4	1,121.7	1,006.9	114.82	9.769	
18,800.0	12,634.0	19,885.5	13,732.0	110.1	111.7	168.20	-5,994.3	177.2	1,121.7	1,005.4	116.34	9.641	
18,900.0	12,634.0	19,985.5	13,732.0	111.6	113.2	168.20	-6,094.3	178.0	1,121.7	1,003.9	117.87	9.517	
19,000.0	12,634.0	20,085.5	13,732.0	113.1	114.7	168.20	-6,194.3	178.7	1,121.7	1,002.3	119.40	9.395	
19,100.0	12,634.0	20,185.5	13,732.0	114.6	116.2	168.20	-6,294.3	179.5	1,121.7	1,000.8	120.93	9.275	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Boros - Boros Federal #242H - Wellbore #1 - BLM Plan #1												Offset Site Error:	0.0 usft
Survey Program: 0-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,200.0	12,634.0	20,285.4	13,732.0	116.1	117.7	168.20	-6,394.3	180.3	1,121.7	999.2	122.47	9.159	
19,300.0	12,634.0	20,385.4	13,732.0	117.6	119.2	168.20	-6,494.3	181.1	1,121.7	997.7	124.01	9.045	
19,400.0	12,634.0	20,485.4	13,732.0	119.2	120.7	168.20	-6,594.3	181.9	1,121.7	996.2	125.56	8.934	
19,500.0	12,634.0	20,585.4	13,732.0	120.7	122.2	168.20	-6,694.3	182.6	1,121.7	994.6	127.11	8.825	
19,600.0	12,634.0	20,685.4	13,732.0	122.2	123.7	168.20	-6,794.3	183.4	1,121.7	993.1	128.66	8.718	
19,700.0	12,634.0	20,785.4	13,732.0	123.8	125.3	168.20	-6,894.3	184.2	1,121.7	991.5	130.21	8.614	
19,800.0	12,634.0	20,885.4	13,732.0	125.3	126.8	168.20	-6,994.3	185.0	1,121.7	989.9	131.77	8.513	
19,900.0	12,634.0	20,985.4	13,732.0	126.9	128.3	168.20	-7,094.3	185.8	1,121.7	988.4	133.33	8.413	
20,000.0	12,634.0	21,085.4	13,732.0	128.4	129.8	168.20	-7,194.3	186.6	1,121.7	986.8	134.90	8.315	
20,100.0	12,634.0	21,185.4	13,732.0	130.0	131.4	168.20	-7,294.3	187.3	1,121.7	985.2	136.46	8.220	
20,200.0	12,634.0	21,285.4	13,732.0	131.5	132.9	168.20	-7,394.3	188.1	1,121.7	983.7	138.03	8.126	
20,300.0	12,634.0	21,385.4	13,732.0	133.1	134.4	168.20	-7,494.3	188.9	1,121.7	982.1	139.60	8.035	
20,400.0	12,634.0	21,485.4	13,732.0	134.6	136.0	168.20	-7,594.3	189.7	1,121.7	980.5	141.18	7.945	
20,500.0	12,634.0	21,585.4	13,732.0	136.2	137.5	168.20	-7,694.3	190.5	1,121.7	979.0	142.75	7.858	
20,600.0	12,634.0	21,685.4	13,732.0	137.7	139.1	168.20	-7,794.3	191.2	1,121.7	977.4	144.33	7.772	
20,700.0	12,634.0	21,785.4	13,732.0	139.3	140.6	168.20	-7,894.3	192.0	1,121.7	975.8	145.91	7.687	
20,800.0	12,634.0	21,885.4	13,732.0	140.9	142.2	168.20	-7,994.3	192.8	1,121.7	974.2	147.50	7.605	
20,900.0	12,634.0	21,985.4	13,732.0	142.4	143.7	168.20	-8,094.3	193.6	1,121.7	972.6	149.08	7.524	
21,000.0	12,634.0	22,085.4	13,732.0	144.0	145.3	168.20	-8,194.3	194.4	1,121.7	971.0	150.67	7.445	
21,100.0	12,634.0	22,185.4	13,732.0	145.6	146.9	168.20	-8,294.2	195.2	1,121.7	969.4	152.26	7.367	
21,200.0	12,634.0	22,285.4	13,732.0	147.1	148.4	168.20	-8,394.2	195.9	1,121.7	967.9	153.85	7.291	
21,300.0	12,634.0	22,385.4	13,732.0	148.7	150.0	168.20	-8,494.2	196.7	1,121.7	966.3	155.44	7.216	
21,400.0	12,634.0	22,485.4	13,732.0	150.3	151.5	168.20	-8,594.2	197.5	1,121.7	964.7	157.04	7.143	
21,500.0	12,634.0	22,585.4	13,732.0	151.9	153.1	168.20	-8,694.2	198.3	1,121.7	963.1	158.64	7.071	
21,600.0	12,634.0	22,685.4	13,732.0	153.4	154.7	168.20	-8,794.2	199.1	1,121.7	961.5	160.23	7.000	
21,700.0	12,634.0	22,785.4	13,732.0	155.0	156.2	168.20	-8,894.2	199.8	1,121.7	959.9	161.83	6.931	
21,800.0	12,634.0	22,885.4	13,732.0	156.6	157.8	168.20	-8,994.2	200.6	1,121.7	958.3	163.43	6.863	
21,900.0	12,634.0	22,985.4	13,732.0	158.2	159.4	168.20	-9,094.2	201.4	1,121.7	956.7	165.04	6.797	
22,000.0	12,634.0	23,085.4	13,732.0	159.8	161.0	168.20	-9,194.2	202.2	1,121.7	955.1	166.64	6.731	
22,100.0	12,634.0	23,185.4	13,732.0	161.4	162.5	168.20	-9,294.2	203.0	1,121.7	953.4	168.25	6.667	
22,200.0	12,634.0	23,285.4	13,732.0	163.0	164.1	168.20	-9,394.2	203.8	1,121.7	951.8	169.85	6.604	
22,300.0	12,634.0	23,385.4	13,732.0	164.5	165.7	168.20	-9,494.2	204.5	1,121.7	950.2	171.46	6.542	
22,400.0	12,634.0	23,485.4	13,732.0	166.1	167.3	168.20	-9,594.2	205.3	1,121.7	948.6	173.07	6.481	
22,500.0	12,634.0	23,585.4	13,732.0	167.7	168.9	168.20	-9,694.2	206.1	1,121.7	947.0	174.68	6.421	
22,600.0	12,634.0	23,685.4	13,732.0	169.3	170.4	168.20	-9,794.2	206.9	1,121.7	945.4	176.30	6.362	
22,700.0	12,634.0	23,785.4	13,732.0	170.9	172.0	168.20	-9,894.2	207.7	1,121.7	943.8	177.91	6.305	
22,796.3	12,634.0	23,881.8	13,732.0	172.4	173.4	168.20	-9,990.5	208.4	1,121.7	942.5	179.18	6.260	
22,796.7	12,634.0	23,882.1	13,732.0	172.5	173.4	168.20	-9,990.9	208.4	1,121.7	942.5	179.18	6.260	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3255.5usft

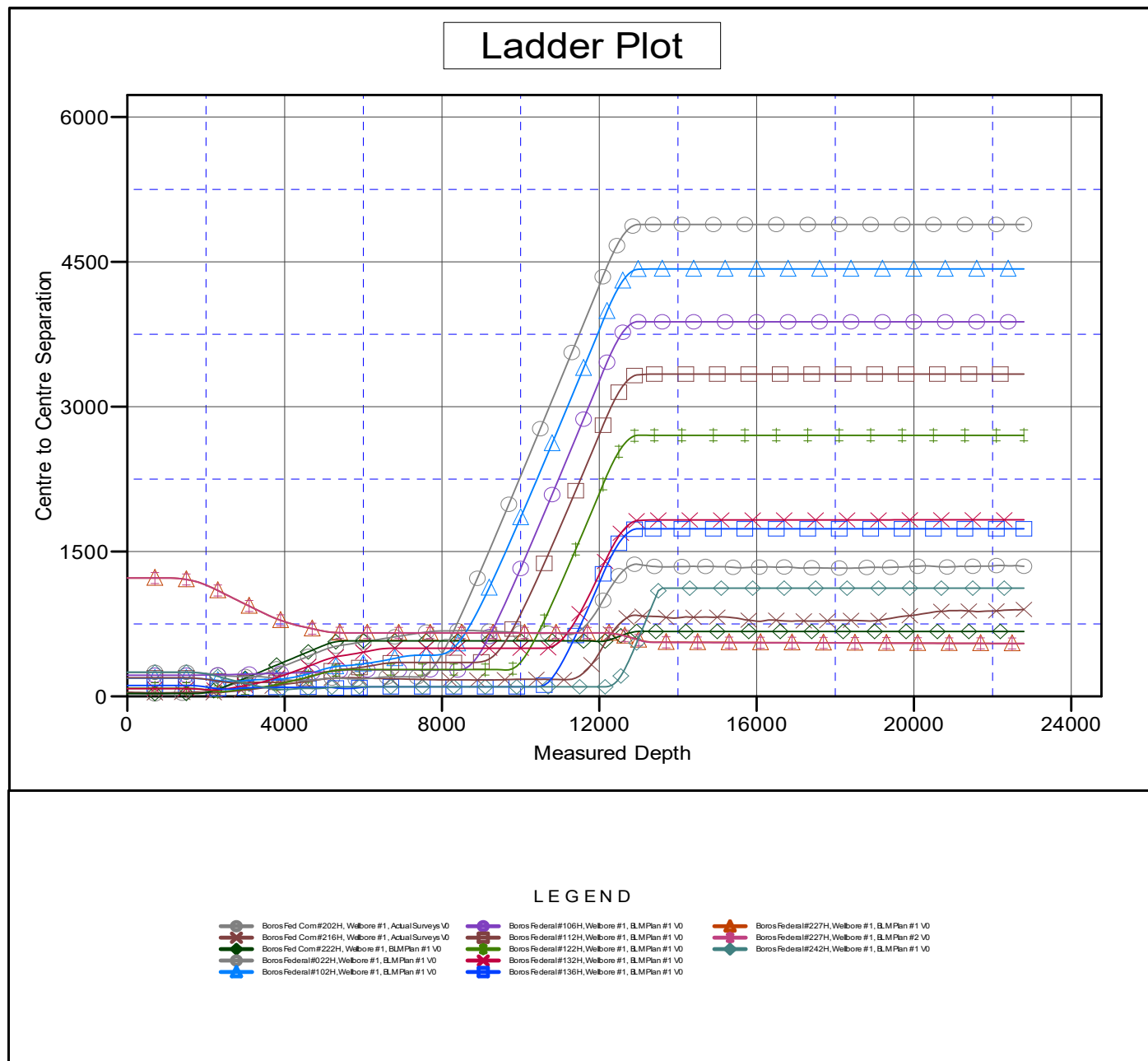
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #226H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.30°



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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Project:	Rustler Breaks	TVD Reference:	KB @ 3255.5usft
Reference Site:	Boros	MD Reference:	KB @ 3255.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3255.5usft

Offset Depths are relative to Offset Datum

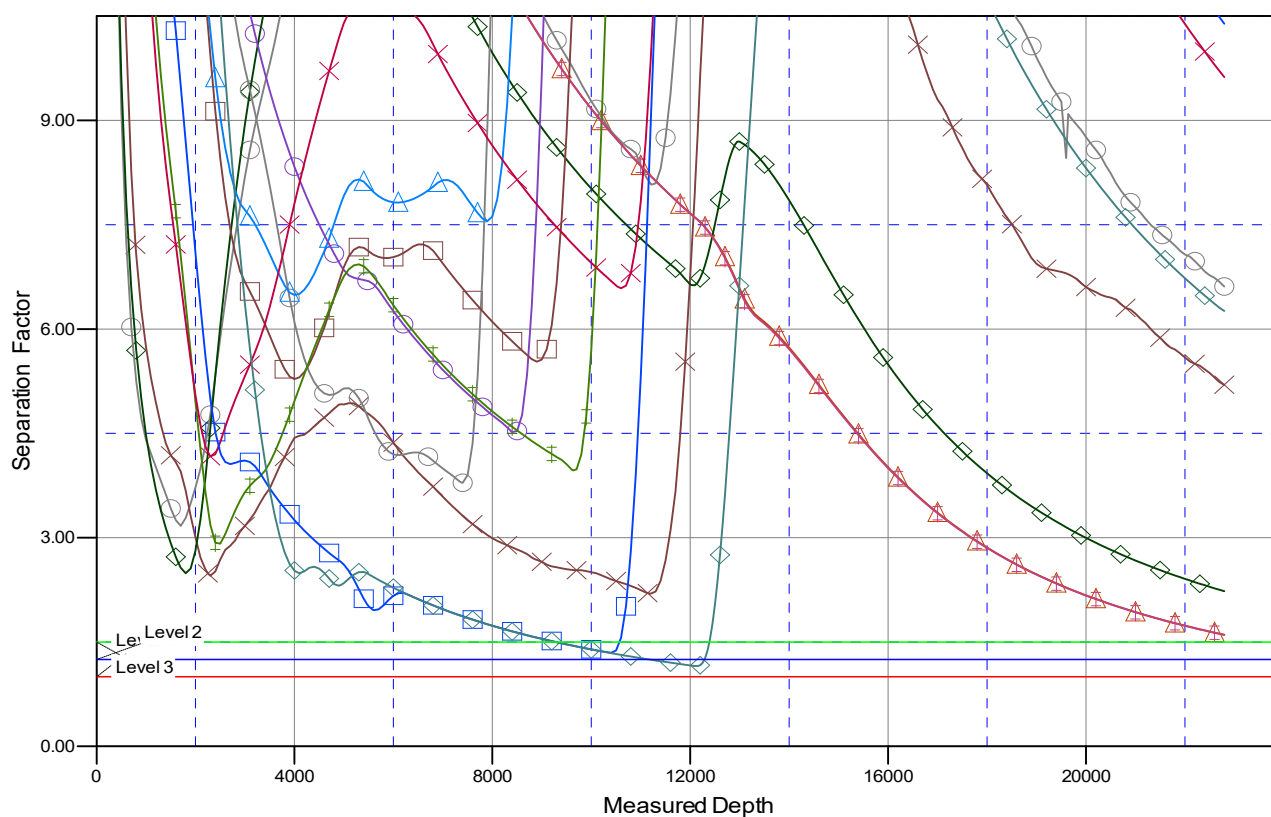
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Fed Com #226H

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 Fed Com #202H, Wellbore #1, Actual Surveys V0	Boros Federal #106H, Wellbore #1, BLM Plan #1 V0	Boros Federal #227H, Wellbore #1, BLM Plan #1 V0
Boros Fed Com #216H, Wellbore #1, Actual Surveys V0	Boros Federal #112H, Wellbore #1, BLM Plan #1 V0	Boros Federal #227H, Wellbore #1, BLM Plan #2 V0
Boros Fed Com #222H, Wellbore #1, BLM Plan #1 V0	Boros Federal #122H, Wellbore #1, BLM Plan #1 V0	Boros Federal #242H, Wellbore #1, BLM Plan #1 V0
Boros Federal #022H, Wellbore #1, BLM Plan #1 V0	Boros Federal #132H, Wellbore #1, BLM Plan #1 V0	
Boros Federal #102H, Wellbore #1, BLM Plan #1 V0	Boros Federal #136H, Wellbore #1, BLM Plan #1 V0	

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



SURVEY PROGRAM

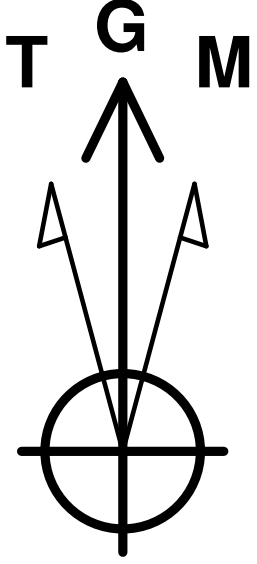
WELL DETAILS: Boros Fed Com #226H

Depth From	Depth To	Survey/Plan	Tool				GL @ 3227.0	KB @ 3255.5usft			Slot
0.0	22796.3	BLM Plan #1 (Wellbore #1)	MWD		+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
					0.0	0.0	381945.65	675093.15	32° 2' 55.766 N	103° 46' 5.561 W	

Company: Matador Production Company
Well: Boros Fed Com #226H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 9/9/2020

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

To convert a Magnetic Direction to a Grid Direction, Add 6.38°
To convert a Magnetic Direction to a True Direction, Add 6.68° East
To convert a True Direction to a Grid Direction, Subtract 0.30°



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

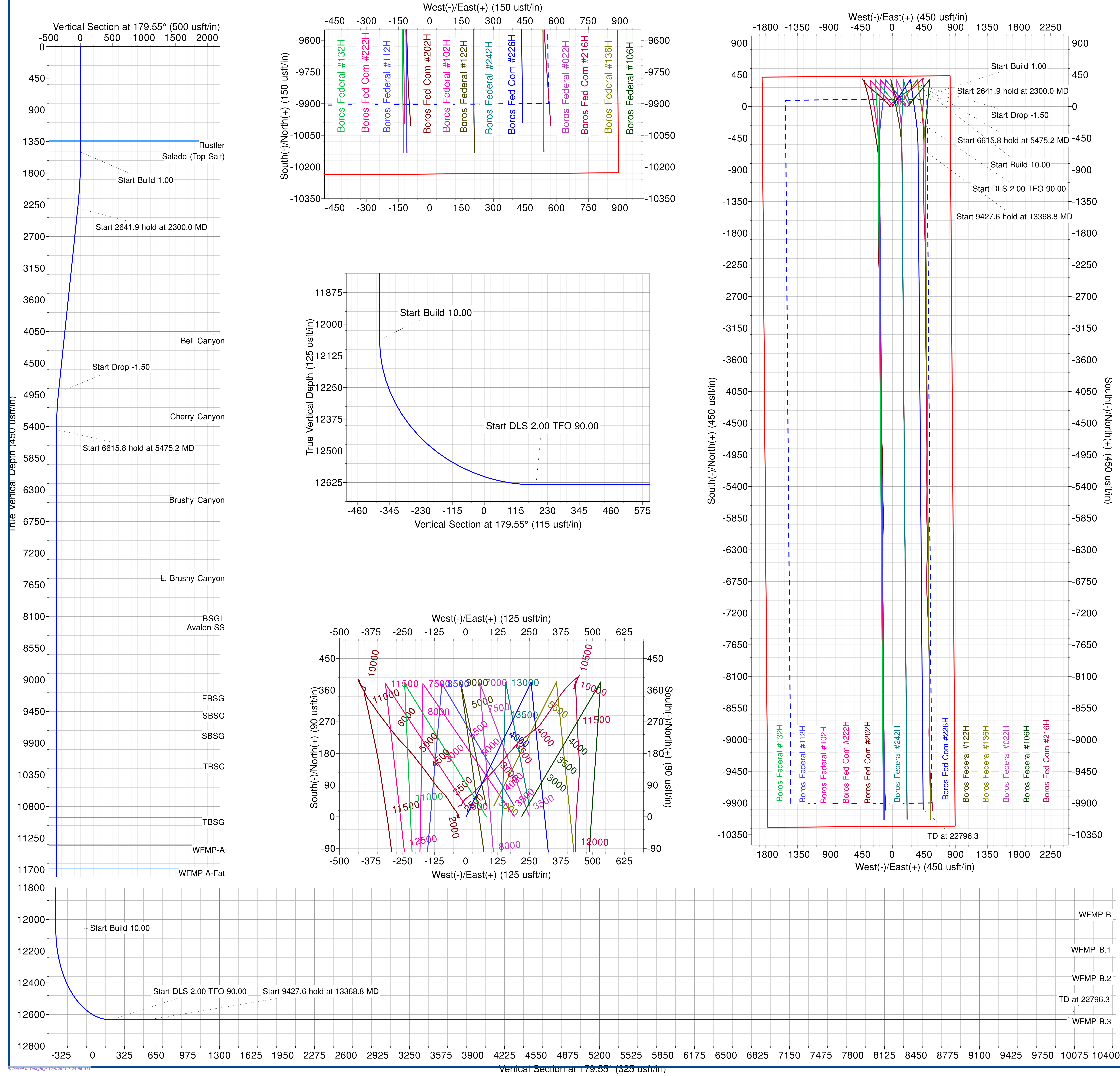
Magnetic Field
Strength: 47483.8snT
Dip Angle: 59.83°
Date: 9/9/2020
Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Boros Fed Com #226H	12061.0	382.4	256.9	382328.00	675350.00	32° 2' 59.536 N	103° 46' 2.554 W
BHL - Boros Fed Com #226H	12634.0	-9988.7	437.7	371955.71	675530.92	32° 1' 16.881 N	103° 46' 1.083 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
2300.0	8.00	33.89	2297.4	46.3	31.1	1.00	33.89	-46.0	Start 2641.9 hold at 2300.0 MD
4941.9	8.00	33.89	4913.6	351.5	236.1	0.00	0.00	-349.6	Start Drop -1.50
5475.2	0.00	0.00	5445.2	382.4	256.9	1.50	180.00	-380.3	Start 6615.8 hold at 5475.2 MD
12091.0	0.00	0.00	12061.0	382.4	256.9	0.00	0.00	-380.3	Start Build 10.00
12991.0	90.00	172.00	12634.0	-185.0	336.6	10.00	172.00	187.7	Start DLS 2.00 TFO 90.00
13368.8	90.00	179.55	12634.0	-561.4	364.4	2.00	90.00	564.3	Start 9427.6 hold at 13368.8 MD
22796.3	90.00	179.55	12634.0	-9988.7	437.7	0.00	0.00	9991.9	TD at 22796.3



Matador Production Company

Rustler Breaks

Boros

Boros Fed Com #226H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

11 September, 2020

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

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

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

Well		Boros Fed Com #226H				
Well Position	+N/-S	-7.7 usft	Northing:	381,945.65 usft	Latitude:	32° 2' 55.766 N
	+E/-W	-1,086.8 usft	Easting:	675,093.15 usft	Longitude:	103° 46' 5.561 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,227.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/9/2020	6.68	59.83	47,483.80408604

Design	BLM Plan #1				
Audit Notes:					
Version:	1	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	179.55

Plan Survey Tool Program	Date	9/11/2020			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,796.3	BLM Plan #1 (Wellbore #1)	MWD	
			OWSG MWD - Standard		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,300.0	8.00	33.89	2,297.4	46.3	31.1	1.00	1.00	0.00	33.89	
4,941.9	8.00	33.89	4,913.6	351.5	236.1	0.00	0.00	0.00	0.00	
5,475.2	0.00	0.00	5,445.2	382.4	256.9	1.50	-1.50	0.00	180.00	
12,091.0	0.00	0.00	12,061.0	382.4	256.9	0.00	0.00	0.00	0.00	VP - Boros Fed Cor
12,991.0	90.00	172.00	12,634.0	-185.0	336.6	10.00	10.00	0.00	172.00	
13,368.8	90.00	179.55	12,634.0	-561.4	364.4	2.00	0.00	2.00	90.00	
22,796.3	90.00	179.55	12,634.0	-9,988.7	437.7	0.00	0.00	0.00	0.00	BHL - Boros Fed Co

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,336.4	0.00	0.00	1,336.4	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,495.0	0.00	0.00	1,495.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado (Top Salt)									
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
1,600.0	1.00	33.89	1,600.0	0.7	0.5	-0.7	1.00	1.00	0.00
1,700.0	2.00	33.89	1,700.0	2.9	1.9	-2.9	1.00	1.00	0.00
1,800.0	3.00	33.89	1,799.9	6.5	4.4	-6.5	1.00	1.00	0.00
1,900.0	4.00	33.89	1,899.7	11.6	7.8	-11.5	1.00	1.00	0.00
2,000.0	5.00	33.89	1,999.4	18.1	12.2	-18.0	1.00	1.00	0.00
2,100.0	6.00	33.89	2,098.9	26.1	17.5	-25.9	1.00	1.00	0.00
2,200.0	7.00	33.89	2,198.3	35.5	23.8	-35.3	1.00	1.00	0.00
2,300.0	8.00	33.89	2,297.4	46.3	31.1	-46.0	1.00	1.00	0.00
Start 2641.9 hold at 2300.0 MD									
2,400.0	8.00	33.89	2,396.4	57.8	38.9	-57.5	0.00	0.00	0.00
2,500.0	8.00	33.89	2,495.5	69.4	46.6	-69.0	0.00	0.00	0.00
2,600.0	8.00	33.89	2,594.5	80.9	54.4	-80.5	0.00	0.00	0.00
2,700.0	8.00	33.89	2,693.5	92.5	62.1	-92.0	0.00	0.00	0.00
2,800.0	8.00	33.89	2,792.5	104.0	69.9	-103.5	0.00	0.00	0.00
2,900.0	8.00	33.89	2,891.6	115.6	77.7	-115.0	0.00	0.00	0.00
3,000.0	8.00	33.89	2,990.6	127.2	85.4	-126.5	0.00	0.00	0.00
3,100.0	8.00	33.89	3,089.6	138.7	93.2	-138.0	0.00	0.00	0.00
3,200.0	8.00	33.89	3,188.6	150.3	100.9	-149.5	0.00	0.00	0.00
3,300.0	8.00	33.89	3,287.7	161.8	108.7	-161.0	0.00	0.00	0.00
3,400.0	8.00	33.89	3,386.7	173.4	116.5	-172.4	0.00	0.00	0.00
3,500.0	8.00	33.89	3,485.7	184.9	124.2	-183.9	0.00	0.00	0.00
3,600.0	8.00	33.89	3,584.8	196.5	132.0	-195.4	0.00	0.00	0.00
3,700.0	8.00	33.89	3,683.8	208.0	139.7	-206.9	0.00	0.00	0.00
3,800.0	8.00	33.89	3,782.8	219.6	147.5	-218.4	0.00	0.00	0.00
3,900.0	8.00	33.89	3,881.8	231.1	155.3	-229.9	0.00	0.00	0.00
4,000.0	8.00	33.89	3,980.9	242.7	163.0	-241.4	0.00	0.00	0.00
4,092.5	8.00	33.89	4,072.5	253.4	170.2	-252.0	0.00	0.00	0.00
Base Salt									
4,100.0	8.00	33.89	4,079.9	254.2	170.8	-252.9	0.00	0.00	0.00
4,136.0	8.00	33.89	4,115.5	258.4	173.6	-257.0	0.00	0.00	0.00
Bell Canyon									
4,200.0	8.00	33.89	4,178.9	265.8	178.5	-264.4	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,300.0	8.00	33.89	4,277.9	277.3	186.3	-275.9	0.00	0.00	0.00
4,400.0	8.00	33.89	4,377.0	288.9	194.1	-287.4	0.00	0.00	0.00
4,500.0	8.00	33.89	4,476.0	300.4	201.8	-298.8	0.00	0.00	0.00
4,600.0	8.00	33.89	4,575.0	312.0	209.6	-310.3	0.00	0.00	0.00
4,700.0	8.00	33.89	4,674.0	323.5	217.4	-321.8	0.00	0.00	0.00
4,800.0	8.00	33.89	4,773.1	335.1	225.1	-333.3	0.00	0.00	0.00
4,900.0	8.00	33.89	4,872.1	346.7	232.9	-344.8	0.00	0.00	0.00
4,941.9	8.00	33.89	4,913.6	351.5	236.1	-349.6	0.00	0.00	0.00
Start Drop -1.50									
5,000.0	7.13	33.89	4,971.2	357.8	240.4	-355.9	1.50	-1.50	0.00
5,100.0	5.63	33.89	5,070.6	367.1	246.6	-365.1	1.50	-1.50	0.00
5,200.0	4.13	33.89	5,170.2	374.1	251.3	-372.1	1.50	-1.50	0.00
5,223.7	3.77	33.89	5,193.8	375.5	252.2	-373.5	1.50	-1.50	0.00
Cherry Canyon									
5,300.0	2.63	33.89	5,270.0	379.0	254.6	-377.0	1.50	-1.50	0.00
5,400.0	1.13	33.89	5,370.0	381.7	256.4	-379.7	1.50	-1.50	0.00
5,475.2	0.00	0.00	5,445.2	382.4	256.9	-380.3	1.50	-1.50	0.00
Start 6615.8 hold at 5475.2 MD									
5,500.0	0.00	0.00	5,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,100.0	0.00	0.00	6,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,200.0	0.00	0.00	6,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,409.0	0.00	0.00	6,379.0	382.4	256.9	-380.3	0.00	0.00	0.00
Brushy Canyon									
6,500.0	0.00	0.00	6,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,100.0	0.00	0.00	7,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,200.0	0.00	0.00	7,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,300.0	0.00	0.00	7,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,522.5	0.00	0.00	7,492.5	382.4	256.9	-380.3	0.00	0.00	0.00
L. Brushy Canyon									
7,600.0	0.00	0.00	7,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,094.8	0.00	0.00	8,064.8	382.4	256.9	-380.3	0.00	0.00	0.00
BSGL									
8,100.0	0.00	0.00	8,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,221.7	0.00	0.00	8,191.6	382.4	256.9	-380.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Avalon-SS									
8,300.0	0.00	0.00	8,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,100.0	0.00	0.00	9,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,231.3	0.00	0.00	9,201.2	382.4	256.9	-380.3	0.00	0.00	0.00
FBSG									
9,300.0	0.00	0.00	9,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,476.8	0.00	0.00	9,446.8	382.4	256.9	-380.3	0.00	0.00	0.00
SBSC									
9,500.0	0.00	0.00	9,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,761.3	0.00	0.00	9,731.3	382.4	256.9	-380.3	0.00	0.00	0.00
SBSG									
9,800.0	0.00	0.00	9,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,100.0	0.00	0.00	10,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,198.3	0.00	0.00	10,168.3	382.4	256.9	-380.3	0.00	0.00	0.00
TBSC									
10,200.0	0.00	0.00	10,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,300.0	0.00	0.00	10,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,400.0	0.00	0.00	10,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,500.0	0.00	0.00	10,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,600.0	0.00	0.00	10,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,700.0	0.00	0.00	10,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,800.0	0.00	0.00	10,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,900.0	0.00	0.00	10,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
10,987.8	0.00	0.00	10,957.8	382.4	256.9	-380.3	0.00	0.00	0.00
TBSG									
11,000.0	0.00	0.00	10,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,100.0	0.00	0.00	11,070.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,200.0	0.00	0.00	11,170.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,300.0	0.00	0.00	11,270.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,384.7	0.00	0.00	11,354.7	382.4	256.9	-380.3	0.00	0.00	0.00
WFMP-A									
11,400.0	0.00	0.00	11,370.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,500.0	0.00	0.00	11,470.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,600.0	0.00	0.00	11,570.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,700.0	0.00	0.00	11,670.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,714.2	0.00	0.00	11,684.1	382.4	256.9	-380.3	0.00	0.00	0.00
WFMP A-Fat									
11,800.0	0.00	0.00	11,770.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,900.0	0.00	0.00	11,870.0	382.4	256.9	-380.3	0.00	0.00	0.00
11,970.4	0.00	0.00	11,940.4	382.4	256.9	-380.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
WFMP B									
12,000.0	0.00	0.00	11,970.0	382.4	256.9	-380.3	0.00	0.00	0.00
12,091.0	0.00	0.00	12,061.0	382.4	256.9	-380.3	0.00	0.00	0.00
Start Build 10.00 - VP - Boros Fed Com #226H									
12,100.0	0.90	172.00	12,070.0	382.3	256.9	-380.3	10.00	10.00	0.00
12,192.7	10.16	172.00	12,162.1	373.4	258.1	-371.4	10.00	10.00	0.00
WFMP B.1									
12,200.0	10.90	172.00	12,169.3	372.1	258.3	-370.1	10.00	10.00	0.00
12,300.0	20.90	172.00	12,265.4	345.0	262.1	-343.0	10.00	10.00	0.00
12,386.9	29.59	172.00	12,343.9	308.4	267.3	-306.3	10.00	10.00	0.00
WFMP B.2									
12,400.0	30.90	172.00	12,355.2	301.8	268.2	-299.7	10.00	10.00	0.00
12,500.0	40.90	172.00	12,436.1	243.9	276.3	-241.7	10.00	10.00	0.00
12,600.0	50.90	172.00	12,505.6	172.8	286.3	-170.6	10.00	10.00	0.00
12,700.0	60.90	172.00	12,561.6	90.9	297.8	-88.6	10.00	10.00	0.00
12,800.0	70.90	172.00	12,602.4	0.7	310.5	1.8	10.00	10.00	0.00
12,843.8	75.28	172.00	12,615.1	-40.9	316.3	43.3	10.00	10.00	0.00
WFMP B.3									
12,900.0	80.90	172.00	12,626.7	-95.3	324.0	97.8	10.00	10.00	0.00
12,975.2	88.42	172.00	12,633.7	-169.4	334.4	172.0	10.00	10.00	0.00
Blair Shale									
12,991.0	90.00	172.00	12,634.0	-185.0	336.6	187.7	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
13,000.0	90.00	172.18	12,634.0	-193.9	337.8	196.6	2.00	0.00	2.00
13,100.0	90.00	174.18	12,634.0	-293.2	349.7	295.9	2.00	0.00	2.00
13,200.0	90.00	176.18	12,634.0	-392.8	358.1	395.6	2.00	0.00	2.00
13,300.0	90.00	178.18	12,634.0	-492.7	363.0	495.5	2.00	0.00	2.00
13,368.8	90.00	179.55	12,634.0	-561.4	364.4	564.3	2.00	0.00	2.00
Start 9427.6 hold at 13368.8 MD									
13,400.0	90.00	179.55	12,634.0	-592.7	364.6	595.5	0.00	0.00	0.00
13,500.0	90.00	179.55	12,634.0	-692.7	365.4	695.5	0.00	0.00	0.00
13,600.0	90.00	179.55	12,634.0	-792.7	366.2	795.5	0.00	0.00	0.00
13,700.0	90.00	179.55	12,634.0	-892.7	367.0	895.5	0.00	0.00	0.00
13,800.0	90.00	179.55	12,634.0	-992.7	367.7	995.5	0.00	0.00	0.00
13,900.0	90.00	179.55	12,634.0	-1,092.7	368.5	1,095.5	0.00	0.00	0.00
14,000.0	90.00	179.55	12,634.0	-1,192.7	369.3	1,195.5	0.00	0.00	0.00
14,100.0	90.00	179.55	12,634.0	-1,292.7	370.1	1,295.5	0.00	0.00	0.00
14,200.0	90.00	179.55	12,634.0	-1,392.7	370.9	1,395.5	0.00	0.00	0.00
14,300.0	90.00	179.55	12,634.0	-1,492.7	371.6	1,495.5	0.00	0.00	0.00
14,400.0	90.00	179.55	12,634.0	-1,592.7	372.4	1,595.5	0.00	0.00	0.00
14,500.0	90.00	179.55	12,634.0	-1,692.7	373.2	1,695.5	0.00	0.00	0.00
14,600.0	90.00	179.55	12,634.0	-1,792.7	374.0	1,795.5	0.00	0.00	0.00
14,700.0	90.00	179.55	12,634.0	-1,892.7	374.7	1,895.5	0.00	0.00	0.00
14,800.0	90.00	179.55	12,634.0	-1,992.6	375.5	1,995.5	0.00	0.00	0.00
14,900.0	90.00	179.55	12,634.0	-2,092.6	376.3	2,095.5	0.00	0.00	0.00
15,000.0	90.00	179.55	12,634.0	-2,192.6	377.1	2,195.5	0.00	0.00	0.00
15,100.0	90.00	179.55	12,634.0	-2,292.6	377.9	2,295.5	0.00	0.00	0.00
15,200.0	90.00	179.55	12,634.0	-2,392.6	378.6	2,395.5	0.00	0.00	0.00
15,300.0	90.00	179.55	12,634.0	-2,492.6	379.4	2,495.5	0.00	0.00	0.00
15,400.0	90.00	179.55	12,634.0	-2,592.6	380.2	2,595.5	0.00	0.00	0.00
15,500.0	90.00	179.55	12,634.0	-2,692.6	381.0	2,695.5	0.00	0.00	0.00
15,600.0	90.00	179.55	12,634.0	-2,792.6	381.7	2,795.5	0.00	0.00	0.00
15,700.0	90.00	179.55	12,634.0	-2,892.6	382.5	2,895.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,800.0	90.00	179.55	12,634.0	-2,992.6	383.3	2,995.5	0.00	0.00	0.00
15,900.0	90.00	179.55	12,634.0	-3,092.6	384.1	3,095.5	0.00	0.00	0.00
16,000.0	90.00	179.55	12,634.0	-3,192.6	384.9	3,195.5	0.00	0.00	0.00
16,100.0	90.00	179.55	12,634.0	-3,292.6	385.6	3,295.5	0.00	0.00	0.00
16,200.0	90.00	179.55	12,634.0	-3,392.6	386.4	3,395.5	0.00	0.00	0.00
16,300.0	90.00	179.55	12,634.0	-3,492.6	387.2	3,495.5	0.00	0.00	0.00
16,400.0	90.00	179.55	12,634.0	-3,592.6	388.0	3,595.5	0.00	0.00	0.00
16,500.0	90.00	179.55	12,634.0	-3,692.6	388.7	3,695.5	0.00	0.00	0.00
16,600.0	90.00	179.55	12,634.0	-3,792.6	389.5	3,795.5	0.00	0.00	0.00
16,700.0	90.00	179.55	12,634.0	-3,892.6	390.3	3,895.5	0.00	0.00	0.00
16,800.0	90.00	179.55	12,634.0	-3,992.6	391.1	3,995.5	0.00	0.00	0.00
16,900.0	90.00	179.55	12,634.0	-4,092.6	391.9	4,095.5	0.00	0.00	0.00
17,000.0	90.00	179.55	12,634.0	-4,192.6	392.6	4,195.5	0.00	0.00	0.00
17,100.0	90.00	179.55	12,634.0	-4,292.6	393.4	4,295.5	0.00	0.00	0.00
17,200.0	90.00	179.55	12,634.0	-4,392.6	394.2	4,395.5	0.00	0.00	0.00
17,300.0	90.00	179.55	12,634.0	-4,492.6	395.0	4,495.5	0.00	0.00	0.00
17,400.0	90.00	179.55	12,634.0	-4,592.6	395.7	4,595.5	0.00	0.00	0.00
17,500.0	90.00	179.55	12,634.0	-4,692.6	396.5	4,695.5	0.00	0.00	0.00
17,600.0	90.00	179.55	12,634.0	-4,792.6	397.3	4,795.5	0.00	0.00	0.00
17,700.0	90.00	179.55	12,634.0	-4,892.6	398.1	4,895.5	0.00	0.00	0.00
17,800.0	90.00	179.55	12,634.0	-4,992.6	398.9	4,995.5	0.00	0.00	0.00
17,900.0	90.00	179.55	12,634.0	-5,092.6	399.6	5,095.5	0.00	0.00	0.00
18,000.0	90.00	179.55	12,634.0	-5,192.6	400.4	5,195.5	0.00	0.00	0.00
18,100.0	90.00	179.55	12,634.0	-5,292.5	401.2	5,295.5	0.00	0.00	0.00
18,200.0	90.00	179.55	12,634.0	-5,392.5	402.0	5,395.5	0.00	0.00	0.00
18,300.0	90.00	179.55	12,634.0	-5,492.5	402.7	5,495.5	0.00	0.00	0.00
18,400.0	90.00	179.55	12,634.0	-5,592.5	403.5	5,595.5	0.00	0.00	0.00
18,500.0	90.00	179.55	12,634.0	-5,692.5	404.3	5,695.5	0.00	0.00	0.00
18,600.0	90.00	179.55	12,634.0	-5,792.5	405.1	5,795.5	0.00	0.00	0.00
18,700.0	90.00	179.55	12,634.0	-5,892.5	405.9	5,895.5	0.00	0.00	0.00
18,800.0	90.00	179.55	12,634.0	-5,992.5	406.6	5,995.5	0.00	0.00	0.00
18,900.0	90.00	179.55	12,634.0	-6,092.5	407.4	6,095.5	0.00	0.00	0.00
19,000.0	90.00	179.55	12,634.0	-6,192.5	408.2	6,195.5	0.00	0.00	0.00
19,100.0	90.00	179.55	12,634.0	-6,292.5	409.0	6,295.5	0.00	0.00	0.00
19,200.0	90.00	179.55	12,634.0	-6,392.5	409.7	6,395.5	0.00	0.00	0.00
19,300.0	90.00	179.55	12,634.0	-6,492.5	410.5	6,495.5	0.00	0.00	0.00
19,400.0	90.00	179.55	12,634.0	-6,592.5	411.3	6,595.5	0.00	0.00	0.00
19,500.0	90.00	179.55	12,634.0	-6,692.5	412.1	6,695.5	0.00	0.00	0.00
19,600.0	90.00	179.55	12,634.0	-6,792.5	412.9	6,795.5	0.00	0.00	0.00
19,700.0	90.00	179.55	12,634.0	-6,892.5	413.6	6,895.5	0.00	0.00	0.00
19,800.0	90.00	179.55	12,634.0	-6,992.5	414.4	6,995.5	0.00	0.00	0.00
19,900.0	90.00	179.55	12,634.0	-7,092.5	415.2	7,095.5	0.00	0.00	0.00
20,000.0	90.00	179.55	12,634.0	-7,192.5	416.0	7,195.5	0.00	0.00	0.00
20,100.0	90.00	179.55	12,634.0	-7,292.5	416.7	7,295.5	0.00	0.00	0.00
20,200.0	90.00	179.55	12,634.0	-7,392.5	417.5	7,395.5	0.00	0.00	0.00
20,300.0	90.00	179.55	12,634.0	-7,492.5	418.3	7,495.5	0.00	0.00	0.00
20,400.0	90.00	179.55	12,634.0	-7,592.5	419.1	7,595.5	0.00	0.00	0.00
20,500.0	90.00	179.55	12,634.0	-7,692.5	419.9	7,695.5	0.00	0.00	0.00
20,600.0	90.00	179.55	12,634.0	-7,792.5	420.6	7,795.5	0.00	0.00	0.00
20,700.0	90.00	179.55	12,634.0	-7,892.5	421.4	7,895.5	0.00	0.00	0.00
20,800.0	90.00	179.55	12,634.0	-7,992.5	422.2	7,995.5	0.00	0.00	0.00
20,900.0	90.00	179.55	12,634.0	-8,092.5	423.0	8,095.5	0.00	0.00	0.00
21,000.0	90.00	179.55	12,634.0	-8,192.5	423.7	8,195.5	0.00	0.00	0.00
21,100.0	90.00	179.55	12,634.0	-8,292.5	424.5	8,295.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
21,200.0	90.00	179.55	12,634.0	-8,392.5	425.3	8,395.5	0.00	0.00	0.00	
21,300.0	90.00	179.55	12,634.0	-8,492.5	426.1	8,495.5	0.00	0.00	0.00	
21,400.0	90.00	179.55	12,634.0	-8,592.4	426.9	8,595.5	0.00	0.00	0.00	
21,500.0	90.00	179.55	12,634.0	-8,692.4	427.6	8,695.5	0.00	0.00	0.00	
21,600.0	90.00	179.55	12,634.0	-8,792.4	428.4	8,795.5	0.00	0.00	0.00	
21,700.0	90.00	179.55	12,634.0	-8,892.4	429.2	8,895.5	0.00	0.00	0.00	
21,800.0	90.00	179.55	12,634.0	-8,992.4	430.0	8,995.5	0.00	0.00	0.00	
21,900.0	90.00	179.55	12,634.0	-9,092.4	430.7	9,095.5	0.00	0.00	0.00	
22,000.0	90.00	179.55	12,634.0	-9,192.4	431.5	9,195.5	0.00	0.00	0.00	
22,100.0	90.00	179.55	12,634.0	-9,292.4	432.3	9,295.5	0.00	0.00	0.00	
22,200.0	90.00	179.55	12,634.0	-9,392.4	433.1	9,395.5	0.00	0.00	0.00	
22,300.0	90.00	179.55	12,634.0	-9,492.4	433.9	9,495.5	0.00	0.00	0.00	
22,400.0	90.00	179.55	12,634.0	-9,592.4	434.6	9,595.5	0.00	0.00	0.00	
22,500.0	90.00	179.55	12,634.0	-9,692.4	435.4	9,695.5	0.00	0.00	0.00	
22,600.0	90.00	179.55	12,634.0	-9,792.4	436.2	9,795.5	0.00	0.00	0.00	
22,700.0	90.00	179.55	12,634.0	-9,892.4	437.0	9,895.5	0.00	0.00	0.00	
22,796.3	90.00	179.55	12,634.0	-9,988.7	437.7	9,991.9	0.00	0.00	0.00	
TD at 22796.3 - BHL - Boros Fed Com #226H										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
VP - Boros Fed Com #226H - hit/miss target - Shape - Point	0.00	0.01	12,061.0	382.4	256.9	382,328.00	675,350.00	32° 2' 59.536 N	103° 46' 2.554 W	
BHL - Boros Fed Com #226H - plan hits target center - Point	0.00	0.00	12,634.0	-9,988.7	437.7	371,955.71	675,530.92	32° 1' 16.881 N	103° 46' 1.083 W	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Boros Fed Com #226H
Company:	Matador Production Company	TVD Reference:	KB @ 3255.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3255.5usft
Site:	Boros	North Reference:	Grid
Well:	Boros Fed Com #226H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,336.4	1,336.4	Rustler				
1,495.0	1,495.0	Salado (Top Salt)				
4,092.5	4,072.5	Base Salt				
4,136.0	4,115.5	Bell Canyon				
5,223.7	5,193.8	Cherry Canyon				
6,409.0	6,379.0	Brushy Canyon				
7,522.5	7,492.5	L. Brushy Canyon				
8,094.8	8,064.8	BSGL				
8,221.7	8,191.6	Avalon-SS				
9,231.3	9,201.2	FBSG				
9,476.8	9,446.8	SBSC				
9,761.3	9,731.3	SBSG				
10,198.3	10,168.3	TBSC				
10,987.8	10,957.8	TBSG				
11,384.7	11,354.7	WFMP-A				
11,714.2	11,684.1	WFMP A-Fat				
11,970.4	11,940.4	WFMP B				
12,192.7	12,162.1	WFMP B.1				
12,386.9	12,343.9	WFMP B.2				
12,843.8	12,615.1	WFMP B.3				
12,975.2	12,633.7	Blair Shale				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 1.00	
2,300.0	2,297.4	46.3	31.1	Start 2641.9 hold at 2300.0 MD	
4,941.9	4,913.6	351.5	236.1	Start Drop -1.50	
5,475.2	5,445.2	382.4	256.9	Start 6615.8 hold at 5475.2 MD	
12,091.0	12,061.0	382.4	256.9	Start Build 10.00	
12,991.0	12,634.0	-185.0	336.6	Start DLS 2.00 TFO 90.00	
13,368.8	12,634.0	-561.4	364.4	Start 9427.6 hold at 13368.8 MD	
22,796.3	12,634.0	-9,988.7	437.7	TD at 22796.3	

Drill Plan**Boros Federal 226H****SHL: 430' FNL & 1850' FWL Section 15****BHL: 240' FSL & 2210' FWL Section 22****Township/Range: 26S 31E****Elevation Above Sea Level: 3227****Drilling Operation Plan**

Proposed Drilling Depth: 22796' MD / 12634' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Gas

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.049996239856284 N / -103.76785051663472 W

TD Lat/Long (NAD83): 32.02148104743501 N / -103.76744072962792 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,336	1,336	159	Anhydrite	Barren
Salado (Top of Salt)	1,495	1,495	1,896	Salt	Barren
Lamar (Base of Salt)	4,073	4,073	43	Salt	Barren
Bell Canyon	4,116	4,116	1,078	Sandstone	Oil/Natural Gas
Cherry Canyon	5,194	5,194	1,185	Sandstone	Oil/Natural Gas
Brushy Canyon	6,379	6,379	1,686	Sandstone	Oil/Natural Gas
Bone Spring Lime	8,065	8,065	1,136	Limestone	Oil/Natural Gas
1st Bone Spring Sand	9,201	9,201	246	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,447	9,447	284	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,731	9,731	437	Sandstone	Oil/Natural Gas
3rd Bone Spring Carbonate	10,168	10,168	790	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	10,958	10,958	397	Sandstone	Oil/Natural Gas
Wolfcamp	11,355	11,355	-	Shale	Oil/Natural Gas
KOP	12,091	12,634	-	Shale	Oil/Natural Gas
TD	22,796	12,634	-	Shale	Oil/Natural Gas

2. Notable Zones

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

3. Pressure Control**Equipment**

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

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

Testing Procedure

Drill Plan

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

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

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

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

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

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

4. Casing & Cement

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

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1361.4	0 - 1361.4	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11991	9500 - 12534	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 22796	0 - 12634	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h

- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed

- All non-API joint connections will be of like or greater quality and as run specification sheets will be on location for review

Variance Request

Drill Plan

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

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

9-7/8" hole depth may fluctuate, but 7-5/8" BUTT will only be run inside of 9-7/8" OH and Flush joint will be run in 8-3/4" OH. Cement volumes will be adjusted proportionally. Option to drill the entire Intermediate 1 hole section in 9-7/8" hole size.

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

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

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	630	1.747	1101	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.379	348	14.8	50%	1061	C	5% NaCl + LCM
Intermediate 1	Lead	910	3.66	3335	10.3	25%	0	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	100	1.413	146	13.2	25%	10991	A/C	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	860	1.193	1022	14.2	10%	11791	H	Fluid Loss + Dispersant + Retarder + LCM

5. Mud Program

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

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1361.4	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Brine Diesel Emulsion	1361.4 - 11991	8.4 - 9.4	28-30	NC
Production	6.75	OBM	11991 - 22796	12 - 13.5	30-35	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

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

7. Down Hole Conditions

Drill Plan

No abnormal pressure or temperature is expected. Bottom hole pressure is 8869 psi. Maximum anticipated surface pressure is 6090 psi. Expected bottom hole temperature is 198° F.

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

Tapered String Specification Sheet

Boros Federal 226H

SHL: 430' FNL & 1850' FWL Section 15

BHL: 240' FSL & 2210' FWL Section 22

Township/Range: 26S 31E

Elevation Above Sea Level: 3227'

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1361.4	0 - 1361.4	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1 Top	9.875	0 - 9500	0 - 9500	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Intermediate 1 Bottom	8.75	9500 - 11991	9500 - 12534	7.625	29.7	P-110	VAM HTF-NR	1.125	1.125	1.8
Production	6.75	0 - 22796	0 - 12634	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8



TEC-LOCK WEDGE

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

Pipe Body Data

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

Connection Data

Standard OD:	5.875	in
Pin Bored ID:	4.778	in
Critical Section Area:	5.656	in ²
Tensile Efficiency:	97 %	
Compressive Efficiency:	100 %	
Longitudinal Yield Strength:	707,000	lbf
Compressive Limit:	729,000	lbf
Internal Pressure Rating:	14,360	psi
External Pressure Rating:	13,010	psi
Maximum Bend:	101.2	°/100ft

Operational Data

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

Notes Operational Torque is equivalent to the Maximum Make-Up Torque

Generated on Sep 03, 2019



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 64732

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 64732
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 12/7/2021	12/7/2021
jagarcia	Approved, John Garcia, Petroleum Engineer	12/9/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 64732

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 64732
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	12/9/2021