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

Sundry Print Report

11/13/2023

Well Name: SIMON CAMAMILE 0206 FED COM

Well Location: T21S / R28E / SEC 02 / LOT 13 / 32.511634 / -104.0646887

County or Parish/State: EDDY / NM

Well Number: 204H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM142221

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001554305

Well Status: Drilling Well

Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Sundry ID: 2761123

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/13/2023

Time Sundry Submitted: 07:19

Date proposed operation will begin: 11/14/2023

Procedure Description: BLM Bond NMB001079 Surety Bond No.: RLB0015172 As previously discussed with the BLM, surface casing failed the pressure test and Matador requests to skid over to spud the well using a new surface hole location, as reflected in this sundry. As reflected in the attached, the completed lateral and bottom hole location for the well remains the same. Based on our communications with the NMOCD, we understand the NMOCD will then assign the replacement well under this sundry a new API number, leaving the original, partially-drilled wellbore with its same API number. The original well will be named SIMON CAMAMILE 0206 FED COM 204Y (API 30-015-54305). The well we will skid to spud will be named SIMON CAMAMILE 0206 FED COM 204H and will be assigned a new API # from NMOCD. Please see the attached supporting documents.

NOI Attachments

Procedure Description

LO_SIMON_CAMAMILE_0206_FC_204H_REV4_S__002__20231113071334.pdf

Simon_Camamile_0206_Fed_Com_204H___AC_v1_20231113071334.pdf

3160_003_skid_signed_20231113071334.pdf

Simon_Camamile_0206_Fed_Com_204H___Well_Plan_v1_20231113071334.pdf

Well Name: SIMON CAMAMILLE 0206 FED COM

Well Location: T21S / R28E / SEC 02 / LOT 13 / 32.511634 / -104.0646887

County or Parish/State: EDDY / NM

Well Number: 204H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM142221

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001554305

Well Status: Drilling Well

Operator: MATADOR PRODUCTION COMPANY

Operator

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

Operator Electronic Signature: NICKY FITZGERALD

Signed on: NOV 13, 2023 07:14 AM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Consultant

Street Address: 5400 LBJ FREEWAY STE 1500

City: DALLAS **State:** TX

Phone: (972) 371-5448

Email address: nicky.fitzgerald@matadorresources.com

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 11/13/2023

Signature: Long Vo

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.

2. Name of Operator

9. API Well No. 30-015-54366

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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

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

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

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: LOT 13 / 3531 FSL / 200 FWL / TWSP: 21S / RANGE: 28E / SECTION: 02 / LAT: 32.511634 / LONG: -104.0646887 (TVD: 0 feet, MD: 0 feet)

PPP: LOT 13 / 3079 FSL / 0 FWL / TWSP: 21S / RANGE: 28E / SECTION: 01 / LAT: 32.5105099 / LONG: -104.0486778 (TVD: 9837 feet, MD: 14850 feet)

PPP: LOT 15 / 3082 FSL / 2652 FEL / TWSP: 21S / RANGE: 28E / SECTION: 1 / LAT: 32.5104995 / LONG: -104.0400455 (TVD: 9872 feet, MD: 17500 feet)

PPP: LOT 13 / 3085 FSL / 0 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.5104886 / LONG: -104.0314422 (TVD: 9906 feet, MD: 20100 feet)

BHL: LOT 14 / 3369 FNL / 2274 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.5104787 / LONG: -104.0240656 (TVD: 9936 feet, MD: 22373 feet)

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

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

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

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-015 - 54366	98315	WC BURTON FLAT UPPER WOLFCAMP EAST

[4]Property Code	[5]Property Name	[6]Well Number
333938	SIMON CAMAMILE 0206 FED COM	204H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3311'

[10]Surface Location

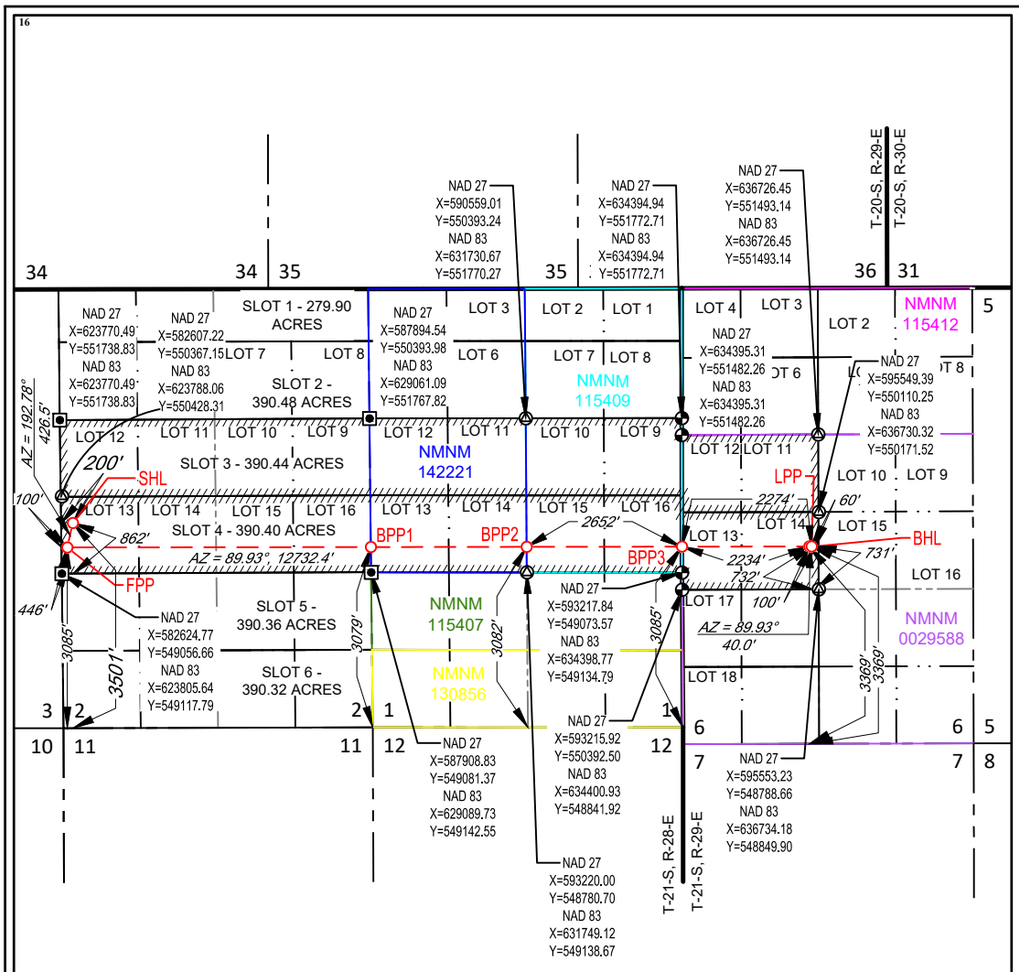
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
13	2	21-S	28-E	-	3501'	SOUTH	200'	WEST	EDDY

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
14	6	21-S	29-E	-	3369'	SOUTH	2274'	WEST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
780.84			

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.



NEW MEXICO EAST
NAD 1983

SURFACE LOCATION (SHL)	FIRST PERFORATION POINT (FPP)	BLM PERF. POINT (BPP1)	BLM PERF. POINT (BPP2)
3501' FSL - SEC. 2 200' FWL - SEC. 2 X=623994 Y=549981 LAT.: N 32.5116710 LONG.: W 104.0651898	3085' FSL - SEC. 2 100' FWL - SEC. 2 X=623900 Y=549565 LAT.: N 32.5105284 LONG.: W 104.0654993	3079' FSL - SEC. 2 ±0' FEL - SEC. 2 X=629085 Y=549571 LAT.: N 32.5105099 LONG.: W 104.0486778	3082' FSL - SEC. 1 2652' FEL - SEC. 1 X=631746 Y=549575 LAT.: N 32.5104995 LONG.: W 104.0400455

BLM PERF. POINT (BPP3)	LAST PERFORATION POINT (LPP)	BOTTOM HOLE LOCATION (BHL)
3085' FSL - SEC. 1 ±0' FEL - SEC. 1 X=634398 Y=549578 LAT.: N 32.5104886 LONG.: W 104.0314422	3369' FSL - SEC. 6 2234' FWL - SEC. 6 X=636632 Y=549581 LAT.: N 32.5104789 LONG.: W 104.0241954	3369' FSL - SEC. 6 2274' FWL - SEC. 6 X=636672 Y=549581 LAT.: N 32.5104787 LONG.: W 104.0240656

[17]OPERATOR CERTIFICATION

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

Nicky Fitzgerald 11/13/2023
Signature Date

Nicky Fitzgerald
Printed Name

nicky.fitzgerald@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

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

09/02/2022
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Certificate Number

NEW MEXICO EAST
NAD 1927

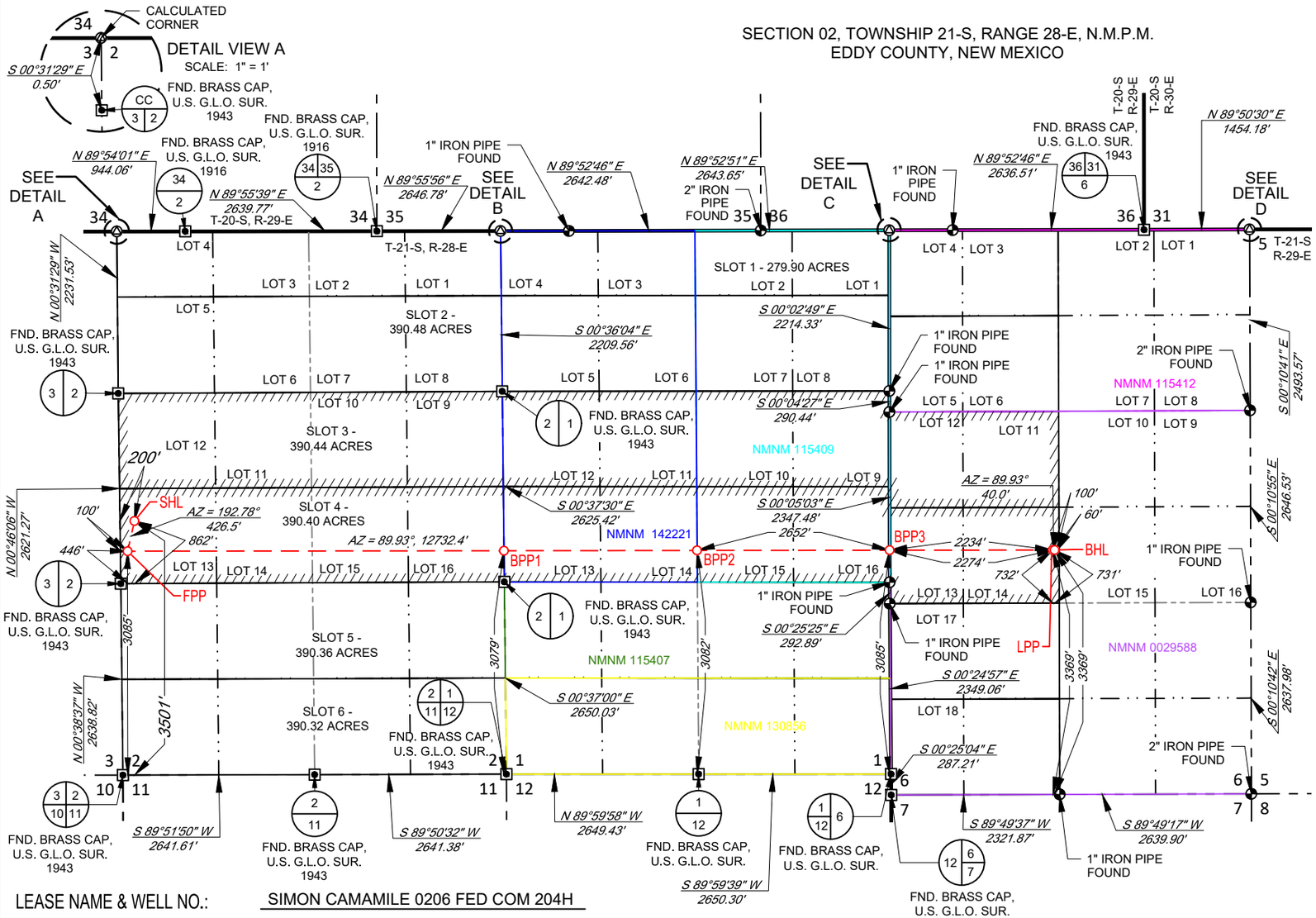
SURFACE LOCATION (SHL)	FIRST PERFORATION POINT (FPP)
X=582813 Y=549919 LAT.: N 32.5115516 LONG.: W 104.0646878	X=582719 Y=549504 LAT.: N 32.5104090 LONG.: W 104.0649973

BLM PERF. POINT (BPP1)	BLM PERF. POINT (BPP2)
X=587904 Y=549510 LAT.: N 32.5103903 LONG.: W 104.0481763	X=590565 Y=549514 LAT.: N 32.5103799 LONG.: W 104.0395442

BLM PERF. POINT (BPP3)	LAST PERFORATION POINT (LPP)
X=593217 Y=549517 LAT.: N 32.5103688 LONG.: W 104.0309412	X=595451 Y=549520 LAT.: N 32.5103591 LONG.: W 104.0236946

BOTTOM HOLE LOCATION (BHL)
X=595491 Y=549520
LAT.: N 32.5103589
LONG.: W 104.0235648

SECTION 02, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



NEW MEXICO EAST NAD 1983	
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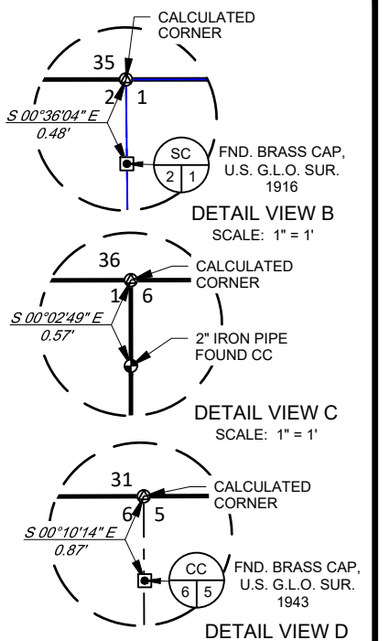


LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 204H

SECTION 2 TWP 21-S RGE 28-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 3501' FSL & 200' FWL

DISTANCE & DIRECTION

FROM INT. OF HWY-285, & US-180 E/US-62 E HEAD EAST ON US-180 E/US-62 E ±11.9 MILES, THENCE SOUTH (RIGHT) ON A LEASE RD. ±0.4 MILES, THENCE WEST (RIGHT) ON A PROPOSED RD. ±454 FEET TO A POINT ±392 FEET SOUTHEAST OF THE LOCATION.

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

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

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

SCALE: 1" = 2000'

0' 1000' 2000'

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

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

November 09, 2023

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
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

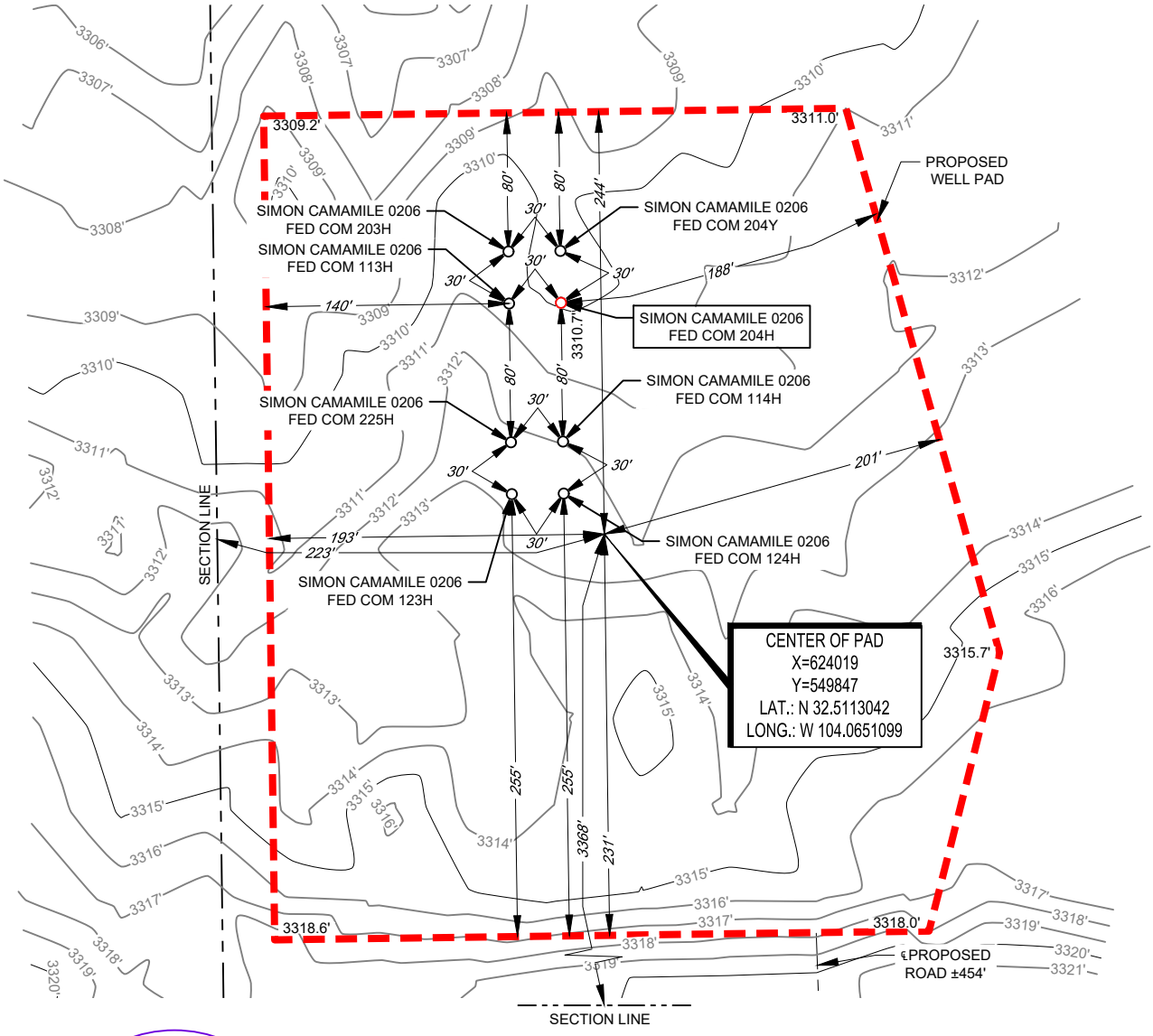
Matador PRODUCTION COMPANY

LEGEND

SECTION LINE
PROPOSED ROAD

SECTION 02, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 204H

204H LATITUDE N 32.5116710 204H LONGITUDE W 104.0651898

CENTER OF PAD IS 3368' FSL & 223' FWL

ANGEL M. BAEZA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

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

SCALE: 1" = 100'

0' 50' 100'

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

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

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
481 WINSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
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

Matador Resources

Eddy County, New Mexico (NAD 27)
Simon Camamile (203H, 204H)
Simon Camamile 0206 Fed Com 204H

Wellbore #1
Design #1

Anticollision Report

08 November, 2023

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Design #1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 5,000.00usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 11/8/2023

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,325.56	Design #1 (Wellbore #1)	MWD+HRGM	OWSG MWD + HRGM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Shinnery Oak						
Shinnery Oak SWD #3 - Wellbore #1 - Surveys	10,522.61	9,795.50	133.24	64.80	1.947	CC, ES, SF
Simon Camamile (203H, 204H)						
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - De	716.33	717.33	42.38	37.70	9.058	CC
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - De	800.00	800.99	42.38	37.10	8.029	ES
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - De	22,325.56	22,368.07	1,320.03	729.23	2.234	SF
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Su	0.00	1.00	42.38			
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Su	300.00	300.69	43.25	41.73	28.442	ES
Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Su	1,000.00	999.58	59.26	52.76	9.119	SF
Simon Camamile 0206 Fed Com 204Y - Wellbore #1 - Su	0.00	1.00	29.98			
Simon Camamile 0206 Fed Com 204Y - Wellbore #1 - Su	300.00	300.79	31.35	29.83	20.634	ES
Simon Camamile 0206 Fed Com 204Y - Wellbore #1 - Su	600.00	599.71	37.60	33.94	10.268	SF
Simon Camamile (205H, 206H)						
Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Su	22,325.56	22,390.00	1,253.47	666.17	2.134	CC, ES, SF
Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Su	1,441.42	1,372.51	2,300.76	2,291.32	243.736	CC
Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Su	22,325.56	22,481.00	2,577.29	1,990.21	4.390	ES, SF
Simon Camamile Offsets						
Dump State #3H - Wellbore #1 - Surveys	5,801.33	5,620.74	1,578.68	1,539.18	39.968	CC, ES
Dump State #3H - Wellbore #1 - Surveys	6,000.00	5,700.00	1,587.53	1,547.45	39.607	SF
Simon Camamile Offsets (NAD 83)						
Dump Yard 2 State #001H - Wellbore #1 - Surveys	8,418.00	11,132.00	337.93	251.12	3.893	CC, ES, SF
Dump Yard 2 State #002H - Wellbore #1 - Surveys	8,400.00	10,966.75	1,752.72	1,666.71	20.377	SF
Dump Yard 2 State #002H - Wellbore #1 - Surveys	11,276.02	10,944.75	1,501.51	1,453.30	31.147	CC, ES
Golden Lane 1 Federal 1 - Wellbore #1 - Surveys	18,415.68	9,965.40	1,632.86	1,216.27	3.920	CC, ES
Golden Lane 1 Federal 1 - Wellbore #1 - Surveys	18,500.00	9,966.28	1,635.04	1,216.89	3.910	SF
Running Buffalo Fed Com #001H - Wellbore #1 - Surveys	19,259.97	9,567.15	1,378.10	1,283.30	14.536	CC, ES
Running Buffalo Fed Com #001H - Wellbore #1 - Surveys	19,400.00	9,581.79	1,385.12	1,289.08	14.423	SF
Temperate BEC Federal 1 - Wellbore #1 - Surveys	20,727.02	10,026.21	448.80	-15.23	0.967	Level 3, CC, ES, SF
State #1						
State #1 - Wellbore #1 - Surveys	10,162.70	9,766.49	198.23	-56.31	0.779	Level 3, CC, ES, SF

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Shinnery Oak - Shinnery Oak SWD #3 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 124-VESSI_GYRO_DROP, 1585-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	11.79	11.79	0.00	0.01	101.516	-166.42	816.85	833.63				
100.00	100.00	110.04	110.04	0.13	0.08	101.531	-166.66	816.93	833.76	833.56	0.20	4,111.518	
200.00	200.00	205.04	205.04	0.49	0.23	101.585	-167.53	817.24	834.27	833.55	0.72	1,166.762	
300.00	300.00	298.60	298.57	0.85	0.40	101.702	-169.42	818.01	835.48	834.24	1.24	672.982	
400.00	400.00	387.45	387.35	1.20	0.56	101.908	-172.78	819.33	837.72	835.95	1.77	474.491	
500.00	500.00	480.17	479.91	1.56	0.74	102.210	-177.77	821.52	841.15	838.86	2.30	366.278	
600.00	600.00	581.07	580.63	1.92	0.93	102.507	-182.86	824.37	844.99	842.15	2.84	297.752	
700.00	700.00	677.66	677.02	2.28	1.11	102.848	-188.60	826.92	848.87	845.50	3.37	251.686	
800.00	800.00	775.70	774.82	2.64	1.29	103.208	-194.74	829.77	853.12	849.21	3.91	218.229	
900.00	899.98	875.72	874.64	2.98	1.47	103.417	-200.46	832.88	857.65	853.22	4.43	193.631	
1,000.00	999.84	973.04	971.76	3.31	1.64	103.359	-205.70	836.13	862.65	857.72	4.93	174.914	
1,100.00	1,099.59	1,069.42	1,067.93	3.65	1.81	103.185	-210.98	839.68	868.18	862.74	5.44	159.582	
1,200.00	1,199.35	1,168.46	1,166.73	3.99	1.99	103.024	-216.51	843.61	874.02	868.06	5.96	146.649	
1,300.00	1,299.11	1,273.73	1,271.77	4.34	2.18	102.887	-222.33	847.36	879.45	872.95	6.50	135.381	
1,400.00	1,398.86	1,382.97	1,380.84	4.69	2.37	102.705	-227.39	850.95	884.46	877.41	7.04	125.593	
1,401.14	1,400.00	1,384.41	1,382.27	4.70	2.37	102.702	-227.44	850.99	884.50	877.45	7.05	125.483	
1,500.00	1,498.72	1,501.28	1,499.11	5.04	2.52	102.438	-229.03	853.25	887.21	879.66	7.55	117.511	
1,600.00	1,598.70	1,611.29	1,609.11	5.39	2.62	102.249	-228.06	854.16	888.03	880.03	8.00	110.974	
1,601.14	1,599.84	1,612.44	1,610.26	5.40	2.62	102.248	-228.04	854.17	888.03	880.03	8.01	110.906	
1,700.00	1,698.70	1,712.31	1,710.11	5.74	2.70	102.138	-226.40	854.64	888.15	879.72	8.43	105.307	
1,800.00	1,798.70	1,813.37	1,811.16	6.09	2.82	102.017	-224.57	855.05	888.16	879.27	8.90	99.816	
1,900.00	1,898.70	1,914.54	1,912.32	6.44	2.98	101.913	-222.97	855.26	888.05	878.63	9.41	94.352	
2,000.00	1,998.70	2,016.58	2,014.35	6.80	3.16	101.841	-221.82	855.23	887.78	877.83	9.95	89.237	
2,100.00	2,098.70	2,119.84	2,117.61	7.15	3.38	101.876	-222.23	854.51	887.18	876.67	10.52	84.363	
2,200.00	2,198.70	2,220.52	2,218.25	7.50	3.61	102.014	-224.13	853.21	886.31	875.21	11.10	79.862	
2,300.00	2,298.70	2,319.35	2,317.05	7.85	3.85	102.168	-226.29	851.95	885.52	873.83	11.69	75.751	
2,400.00	2,398.70	2,418.87	2,416.54	8.21	4.10	102.328	-228.56	850.77	884.85	872.54	12.30	71.913	
2,500.00	2,498.70	2,518.75	2,516.39	8.56	4.38	102.477	-230.68	849.64	884.19	871.26	12.93	68.382	
2,600.00	2,598.70	2,617.45	2,615.07	8.92	4.66	102.610	-232.56	848.63	883.61	870.04	13.57	65.118	
2,700.00	2,698.70	2,715.83	2,713.44	9.27	4.95	102.723	-234.17	847.86	883.21	869.00	14.21	62.142	
2,752.01	2,750.70	2,765.11	2,762.70	9.46	5.10	102.785	-235.08	847.56	883.11	868.56	14.55	60.707	
2,800.00	2,798.70	2,809.75	2,807.31	9.63	5.23	102.886	-236.62	847.30	883.20	868.35	14.86	59.454	
2,900.00	2,898.70	2,902.53	2,899.93	9.98	5.52	103.240	-242.11	846.78	884.00	868.50	15.50	57.046	
3,000.00	2,998.70	2,980.88	2,977.92	10.34	5.77	103.702	-249.45	846.84	886.31	870.21	16.10	55.058	
3,100.00	3,098.70	3,055.51	3,051.87	10.69	6.01	104.300	-259.36	848.29	891.45	874.77	16.68	53.449	
3,200.00	3,198.70	3,134.86	3,130.01	11.05	6.28	105.086	-272.81	851.30	899.45	882.18	17.27	52.073	
3,300.00	3,298.70	3,228.89	3,222.54	11.40	6.60	105.999	-288.96	855.82	908.79	890.85	17.94	50.655	
3,400.00	3,398.70	3,328.27	3,320.46	11.76	6.96	106.880	-305.10	861.13	918.61	899.97	18.64	49.276	
3,500.00	3,498.70	3,430.97	3,421.79	12.12	7.33	107.715	-320.84	866.66	928.40	909.04	19.36	47.954	
3,600.00	3,598.70	3,546.11	3,535.77	12.47	7.74	108.501	-336.09	872.26	937.19	917.05	20.14	46.529	
3,700.00	3,698.70	3,664.01	3,652.94	12.83	8.16	109.115	-348.30	876.92	944.31	923.38	20.93	45.116	
3,800.00	3,798.70	3,784.52	3,773.08	13.19	8.59	109.550	-357.08	880.27	949.35	927.63	21.72	43.706	
3,900.00	3,898.70	3,890.77	3,879.19	13.54	8.96	109.782	-362.00	882.56	952.95	930.50	22.44	42.461	
4,000.00	3,998.70	3,997.84	3,986.19	13.90	9.32	109.888	-364.74	884.99	955.95	932.78	23.16	41.269	
4,001.30	4,000.00	3,999.34	3,987.69	13.91	9.33	109.888	-364.76	885.02	955.98	932.81	23.17	41.253	
4,100.00	4,098.68	4,113.14	4,101.47	14.25	9.70	109.812	-365.84	886.75	957.69	933.80	23.89	40.086	
4,200.00	4,198.54	4,223.73	4,212.06	14.58	10.06	109.472	-365.48	887.23	957.93	933.35	24.59	38.962	
4,300.00	4,298.16	4,329.80	4,318.13	14.92	10.40	108.888	-364.28	887.09	957.43	932.17	25.27	37.894	
4,400.00	4,397.41	4,437.53	4,425.83	15.27	10.74	108.058	-362.22	886.36	956.34	930.39	25.95	36.847	
4,444.20	4,441.13	4,485.21	4,473.50	15.42	10.89	107.612	-361.01	885.78	955.65	929.39	26.26	36.392	
4,500.00	4,496.27	4,545.26	4,533.51	15.61	11.09	107.011	-359.23	884.84	954.61	927.96	26.65	35.827	
4,600.00	4,595.08	4,642.67	4,630.86	15.96	11.40	105.941	-356.20	883.13	952.79	925.48	27.32	34.880	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Shinnery Oak - Shinnery Oak SWD #3 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 124-VESSI_GYRO_DROP, 1585-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,693.89	4,740.29	4,728.42	16.32	11.72	104.877	-353.34	881.46	951.40	923.41	27.99	33.989	
4,800.00	4,792.69	4,838.30	4,826.38	16.68	12.04	103.817	-350.60	879.81	950.39	921.72	28.67	33.145	
4,900.00	4,891.50	4,936.09	4,924.11	17.04	12.36	102.761	-347.96	878.18	949.75	920.39	29.36	32.350	
4,980.11	4,970.66	5,013.30	5,001.30	17.33	12.62	101.918	-345.94	876.99	949.58	919.67	29.91	31.751	
5,000.00	4,990.31	5,032.48	5,020.46	17.40	12.68	101.709	-345.44	876.72	949.59	919.55	30.04	31.607	
5,100.00	5,089.11	5,129.44	5,117.38	17.76	13.00	100.659	-343.00	875.43	949.96	919.23	30.73	30.910	
5,200.00	5,187.92	5,228.53	5,216.44	18.13	13.33	99.605	-340.48	874.15	950.67	919.24	31.43	30.245	
5,300.00	5,286.73	5,327.51	5,315.37	18.50	13.66	98.551	-337.88	872.81	951.64	919.50	32.13	29.615	
5,400.00	5,385.54	5,426.30	5,414.12	18.87	13.99	97.499	-335.30	871.44	952.89	920.05	32.84	29.018	
5,500.00	5,484.34	5,524.60	5,512.38	19.25	14.33	96.452	-332.75	870.04	954.43	920.89	33.54	28.455	
5,600.00	5,583.15	5,622.20	5,609.93	19.62	14.66	95.413	-330.26	868.72	956.36	922.11	34.25	27.926	
5,700.00	5,681.96	5,719.29	5,706.99	20.00	14.99	94.384	-327.87	867.49	958.70	923.75	34.95	27.430	
5,800.00	5,780.77	5,817.03	5,804.69	20.38	15.32	93.372	-325.69	866.40	961.50	925.85	35.66	26.963	
5,900.00	5,879.57	5,915.90	5,903.54	20.76	15.66	92.362	-323.44	865.28	964.60	928.22	36.37	26.519	
6,000.00	5,978.38	6,015.45	6,003.06	21.14	16.00	91.357	-321.15	864.10	967.93	930.84	37.09	26.096	
6,100.00	6,077.19	6,115.57	6,103.14	21.53	16.34	90.369	-319.03	862.76	971.41	933.60	37.81	25.691	
6,200.00	6,175.99	6,216.71	6,204.24	21.91	16.69	89.398	-317.09	861.20	974.97	936.43	38.54	25.300	
6,300.00	6,274.80	6,318.32	6,305.83	22.30	17.04	88.444	-315.31	859.34	978.51	939.25	39.26	24.922	
6,400.00	6,373.61	6,422.20	6,409.67	22.69	17.39	87.510	-313.78	857.02	981.92	941.92	40.00	24.548	
6,500.00	6,472.42	6,526.66	6,514.08	23.07	17.76	86.609	-312.73	854.11	985.01	944.28	40.74	24.180	
6,587.49	6,558.87	6,613.83	6,601.20	23.41	18.06	85.828	-311.87	851.40	987.64	946.27	41.37	23.873	
6,600.00	6,571.23	6,626.30	6,613.67	23.46	18.10	85.716	-311.72	851.00	988.01	946.55	41.46	23.830	
6,700.00	6,670.34	6,725.79	6,713.09	23.85	18.44	84.916	-310.28	847.78	990.27	948.09	42.18	23.478	
6,800.00	6,769.86	6,822.76	6,810.00	24.22	18.78	84.288	-308.60	844.72	991.37	948.49	42.88	23.118	
6,900.00	6,869.66	6,919.90	6,907.09	24.58	19.12	83.834	-306.71	841.88	991.34	947.76	43.58	22.749	
7,000.00	6,969.61	7,016.88	7,004.01	24.93	19.45	83.556	-304.72	839.31	990.13	945.87	44.26	22.369	
7,030.39	7,000.00	7,046.37	7,033.49	25.04	19.56	83.508	-304.11	838.58	989.53	945.06	44.47	22.252	
7,100.00	7,069.61	7,113.85	7,100.93	25.27	19.79	83.414	-302.66	837.01	988.09	943.15	44.94	21.987	
7,200.00	7,169.61	7,210.60	7,197.64	25.61	20.13	83.266	-300.33	835.00	986.30	940.69	45.61	21.624	
7,300.00	7,269.61	7,307.82	7,294.80	25.94	20.47	83.100	-297.66	833.24	984.83	938.55	46.29	21.277	
7,400.00	7,369.61	7,406.01	7,392.93	26.28	20.81	82.920	-294.74	831.66	983.59	936.62	46.97	20.942	
7,500.00	7,469.61	7,503.52	7,490.38	26.62	21.15	82.734	-291.70	830.25	982.55	934.90	47.64	20.623	
7,600.00	7,569.61	7,600.08	7,586.90	26.96	21.49	82.566	-288.93	829.19	981.83	933.51	48.32	20.321	
7,700.00	7,669.61	7,696.22	7,683.00	27.30	21.82	82.419	-286.49	828.53	981.48	932.49	48.99	20.035	
7,731.53	7,701.14	7,726.37	7,713.14	27.40	21.93	82.379	-285.80	828.42	981.46	932.26	49.20	19.948	
7,800.00	7,769.61	7,791.84	7,778.60	27.64	22.16	82.300	-284.45	828.34	981.56	931.90	49.66	19.766	
7,900.00	7,869.61	7,890.30	7,877.05	27.98	22.50	82.199	-282.67	828.55	982.02	931.68	50.34	19.507	
8,000.00	7,969.61	7,991.87	7,978.60	28.32	22.85	82.082	-280.63	828.67	982.41	931.37	51.04	19.249	
8,100.00	8,069.61	8,094.15	8,080.85	28.66	23.21	81.959	-278.51	828.58	982.61	930.88	51.74	18.992	
8,200.00	8,169.61	8,196.88	8,183.57	29.00	23.57	81.883	-277.23	828.34	982.55	930.11	52.44	18.736	
8,300.00	8,269.61	8,297.06	8,283.76	29.34	23.92	81.849	-276.70	828.02	982.32	929.18	53.14	18.487	
8,400.00	8,369.61	8,396.59	8,383.29	29.68	24.27	81.835	-276.49	827.80	982.12	928.30	53.83	18.246	
8,456.32	8,425.93	8,451.24	8,437.93	29.87	24.46	81.837	-276.52	827.75	982.07	927.86	54.21	18.116	
8,500.00	8,469.61	8,493.40	8,480.09	30.02	24.61	81.844	-276.63	827.80	982.10	927.60	54.50	18.019	
8,600.00	8,569.61	8,589.92	8,576.61	30.37	24.94	81.879	-277.19	828.20	982.43	927.26	55.18	17.805	
8,700.00	8,669.61	8,693.18	8,679.87	30.71	25.29	81.925	-277.91	828.68	982.80	926.92	55.88	17.588	
8,800.00	8,769.61	8,796.21	8,782.89	31.05	25.64	81.952	-278.37	828.74	982.79	926.22	56.58	17.371	
8,891.97	8,861.58	8,886.90	8,873.58	31.37	25.95	81.974	-278.76	828.74	982.73	925.53	57.20	17.180	
8,900.00	8,869.61	8,894.82	8,881.50	31.40	25.98	81.977	-278.80	828.74	982.73	925.47	57.26	17.163	
9,000.00	8,969.61	8,993.86	8,980.54	31.74	26.32	82.013	-279.40	828.91	982.81	924.87	57.94	16.962	
9,100.00	9,069.61	9,094.46	9,081.15	32.09	26.66	82.045	-279.95	829.06	982.89	924.26	58.63	16.764	
9,200.00	9,169.61	9,195.16	9,181.84	32.43	27.01	82.068	-280.32	829.13	982.90	923.58	59.32	16.568	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Shinnery Oak - Shinnery Oak SWD #3 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 124-VESSI_GYRO_DROP, 1585-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,224.94	9,194.55	9,220.30	9,206.98	32.52	27.10	82.072	-280.39	829.13	982.89	923.40	59.50	16.520	
9,250.00	9,219.60	9,245.57	9,232.25	32.60	27.18	82.071	-280.46	829.13	982.34	922.67	59.67	16.463	
9,300.00	9,269.40	9,295.79	9,282.47	32.77	27.36	82.042	-280.56	829.10	977.97	917.96	60.01	16.296	
9,350.00	9,318.62	9,345.41	9,332.09	32.93	27.53	81.975	-280.63	829.04	969.31	908.96	60.35	16.061	
9,400.00	9,366.90	9,395.22	9,381.90	33.08	27.70	81.871	-280.70	828.93	956.38	895.70	60.68	15.760	
9,450.00	9,413.87	9,443.71	9,430.39	33.23	27.87	81.730	-280.81	828.76	939.26	878.26	61.01	15.396	
9,500.00	9,459.17	9,490.39	9,477.07	33.37	28.03	81.549	-280.96	828.51	918.10	856.79	61.31	14.974	
9,550.00	9,502.45	9,534.89	9,521.57	33.49	28.19	81.324	-281.14	828.22	893.07	831.47	61.60	14.497	
9,600.00	9,543.39	9,575.91	9,562.58	33.61	28.33	81.048	-281.31	827.90	864.39	802.52	61.87	13.972	
9,650.00	9,581.68	9,614.15	9,600.82	33.71	28.46	80.711	-281.44	827.60	832.34	770.22	62.11	13.401	
9,700.00	9,617.02	9,649.22	9,635.89	33.79	28.59	80.307	-281.51	827.30	797.16	734.83	62.33	12.789	
9,750.00	9,649.14	9,680.94	9,667.61	33.87	28.70	79.823	-281.55	827.03	759.16	696.62	62.53	12.140	
9,800.00	9,677.81	9,709.19	9,695.86	33.96	28.80	79.248	-281.56	826.79	718.64	655.93	62.71	11.460	
9,850.00	9,702.80	9,733.72	9,720.39	34.15	28.88	78.563	-281.54	826.58	675.94	613.07	62.87	10.752	
9,900.00	9,723.92	9,754.22	9,740.89	34.38	28.96	77.748	-281.52	826.41	631.42	568.42	63.00	10.022	
9,950.00	9,741.01	9,770.75	9,757.41	34.63	29.01	76.774	-281.51	826.27	585.46	522.34	63.12	9.276	
10,000.00	9,753.94	9,783.17	9,769.84	34.90	29.06	75.601	-281.50	826.17	538.46	475.24	63.22	8.517	
10,050.00	9,762.61	9,791.40	9,778.06	35.20	29.09	74.177	-281.49	826.11	490.86	427.53	63.32	7.752	
10,100.00	9,766.96	9,795.34	9,782.01	35.53	29.10	72.427	-281.48	826.08	443.11	379.69	63.42	6.987	
10,120.94	9,767.49	9,795.71	9,782.37	35.67	29.10	71.575	-281.48	826.08	423.19	359.73	63.47	6.668	
10,200.00	9,768.04	9,795.67	9,782.33	36.25	29.10	67.485	-281.48	826.08	349.04	285.34	63.70	5.479	
10,300.00	9,768.74	9,795.62	9,782.28	37.10	29.10	59.024	-281.48	826.08	259.43	195.12	64.31	4.034	
10,400.00	9,769.44	9,795.56	9,782.23	38.08	29.10	42.547	-281.48	826.08	181.06	115.28	65.79	2.752	
10,500.00	9,770.14	9,795.51	9,782.18	39.16	29.10	9.557	-281.48	826.08	135.14	66.94	68.20	1.982	
10,522.61	9,770.29	9,795.50	9,782.17	39.43	29.10	-0.075	-281.48	826.08	133.24	64.80	68.44	1.947	CC, ES, SF
10,600.00	9,770.84	9,795.46	9,782.13	40.35	29.10	-30.224	-281.48	826.08	154.08	86.66	67.42	2.285	
10,700.00	9,771.53	9,795.41	9,782.08	41.64	29.10	-53.163	-281.48	826.08	221.86	156.41	65.45	3.390	
10,800.00	9,772.23	9,795.36	9,782.02	43.00	29.10	-64.417	-281.48	826.08	307.73	243.27	64.47	4.774	
10,900.00	9,772.93	9,795.31	9,781.97	44.45	29.10	-70.628	-281.49	826.08	400.22	336.21	64.01	6.253	
11,000.00	9,773.63	9,795.25	9,781.92	45.97	29.10	-74.479	-281.49	826.08	495.64	431.87	63.77	7.772	
11,100.00	9,774.33	9,795.20	9,781.87	47.55	29.10	-77.079	-281.49	826.08	592.57	528.93	63.64	9.311	
11,196.60	9,775.00	9,795.15	9,781.82	49.14	29.10	-78.891	-281.49	826.08	687.03	623.47	63.56	10.809	
11,200.00	9,775.03	9,795.15	9,781.82	49.19	29.10	-78.946	-281.49	826.08	690.37	626.81	63.56	10.861	
11,226.67	9,775.37	9,795.29	9,781.96	49.64	29.10	-79.357	-281.49	826.08	716.55	653.01	63.55	11.276	
11,300.00	9,776.65	9,796.04	9,782.70	50.89	29.10	-80.348	-281.48	826.08	788.72	725.20	63.52	12.417	
11,400.00	9,778.40	9,797.05	9,783.72	52.63	29.11	-81.439	-281.48	826.07	887.44	823.94	63.50	13.976	
11,500.00	9,780.14	9,798.07	9,784.74	54.42	29.11	-82.311	-281.48	826.06	986.42	922.93	63.49	15.537	
11,600.00	9,781.89	9,799.09	9,785.76	56.24	29.11	-83.023	-281.48	826.05	1,085.58	1,022.09	63.49	17.099	
11,700.00	9,783.64	9,800.12	9,786.79	58.10	29.12	-83.617	-281.48	826.05	1,184.88	1,121.39	63.50	18.661	
11,800.00	9,785.39	9,801.15	9,787.82	59.99	29.12	-84.118	-281.48	826.04	1,284.29	1,220.79	63.51	20.223	
11,900.00	9,787.14	9,802.19	9,788.85	61.91	29.12	-84.548	-281.48	826.03	1,383.79	1,320.27	63.52	21.784	
12,000.00	9,788.88	9,803.23	9,789.89	63.86	29.13	-84.920	-281.48	826.02	1,483.35	1,419.81	63.54	23.345	
12,100.00	9,790.63	9,804.27	9,790.93	65.83	29.13	-85.245	-281.48	826.01	1,582.97	1,519.40	63.56	24.904	
12,200.00	9,792.38	9,805.31	9,791.98	67.82	29.13	-85.532	-281.48	826.01	1,682.63	1,619.04	63.59	26.462	
12,300.00	9,794.13	9,806.37	9,793.03	69.83	29.14	-85.786	-281.47	826.00	1,782.33	1,718.71	63.61	28.018	
12,400.00	9,795.87	9,807.42	9,794.09	71.86	29.14	-86.014	-281.47	825.99	1,882.06	1,818.41	63.64	29.573	
12,500.00	9,797.62	9,808.48	9,795.15	73.91	29.15	-86.218	-281.47	825.98	1,981.81	1,918.14	63.67	31.126	
12,600.00	9,799.37	9,809.54	9,796.21	75.97	29.15	-86.403	-281.47	825.98	2,081.59	2,017.89	63.70	32.677	
12,700.00	9,801.12	9,810.61	9,797.28	78.05	29.15	-86.571	-281.47	825.97	2,181.39	2,117.66	63.74	34.226	
12,800.00	9,802.86	9,811.68	9,798.35	80.14	29.16	-86.725	-281.47	825.96	2,281.21	2,217.44	63.77	35.773	
12,900.00	9,804.61	9,812.76	9,799.42	82.24	29.16	-86.865	-281.47	825.95	2,381.04	2,317.23	63.81	37.317	
13,000.00	9,806.36	9,813.83	9,800.50	84.35	29.16	-86.995	-281.47	825.95	2,480.88	2,417.04	63.84	38.859	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Shinnery Oak - Shinnery Oak SWD #3 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 124-VESSI_GYRO_DROP, 1585-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,100.00	9,808.11	9,814.92	9,801.58	86.48	29.17	-87.114	-281.47	825.94	2,580.74	2,516.86	63.88	40.399	
13,200.00	9,809.86	9,816.01	9,802.67	88.61	29.17	-87.224	-281.47	825.93	2,680.60	2,616.68	63.92	41.936	
13,300.00	9,811.60	9,817.10	9,803.76	90.75	29.18	-87.327	-281.46	825.92	2,780.48	2,716.52	63.96	43.471	
13,400.00	9,813.35	9,818.19	9,804.86	92.90	29.18	-87.422	-281.46	825.91	2,880.36	2,816.36	64.00	45.003	
13,500.00	9,815.10	9,819.30	9,805.96	95.06	29.18	-87.511	-281.46	825.91	2,980.25	2,916.21	64.05	46.532	
13,600.00	9,816.85	9,820.40	9,807.07	97.22	29.19	-87.594	-281.46	825.90	3,080.15	3,016.06	64.09	48.058	
13,700.00	9,818.59	9,821.51	9,808.18	99.40	29.19	-87.672	-281.46	825.89	3,180.06	3,115.92	64.14	49.581	
13,800.00	9,820.34	9,822.62	9,809.29	101.58	29.20	-87.745	-281.46	825.88	3,279.97	3,215.78	64.18	51.102	
13,900.00	9,822.09	9,823.74	9,810.41	103.76	29.20	-87.814	-281.46	825.88	3,379.88	3,315.65	64.23	52.619	
14,000.00	9,823.84	9,824.86	9,811.53	105.95	29.20	-87.879	-281.46	825.87	3,479.80	3,415.52	64.28	54.134	
14,100.00	9,825.58	9,825.99	9,812.66	108.15	29.21	-87.940	-281.46	825.86	3,579.72	3,515.39	64.33	55.645	
14,200.00	9,827.33	9,827.12	9,813.79	110.35	29.21	-87.998	-281.46	825.85	3,679.65	3,615.27	64.38	57.153	
14,300.00	9,829.08	9,828.26	9,814.92	112.55	29.22	-88.053	-281.45	825.84	3,779.58	3,715.15	64.43	58.657	
14,400.00	9,830.83	9,829.40	9,816.07	114.76	29.22	-88.105	-281.45	825.84	3,879.51	3,815.03	64.49	60.159	
14,500.00	9,832.58	9,830.54	9,817.21	116.97	29.22	-88.154	-281.45	825.83	3,979.45	3,914.91	64.54	61.657	
14,600.00	9,834.32	9,831.69	9,818.36	119.19	29.23	-88.201	-281.45	825.82	4,079.39	4,014.79	64.60	63.151	
14,700.00	9,836.07	9,832.85	9,819.51	121.41	29.23	-88.246	-281.45	825.81	4,179.33	4,114.68	64.65	64.642	
14,800.00	9,837.82	9,834.01	9,820.67	123.64	29.24	-88.289	-281.45	825.80	4,279.28	4,214.57	64.71	66.129	
14,900.00	9,839.57	9,835.17	9,821.84	125.86	29.24	-88.330	-281.45	825.80	4,379.22	4,314.45	64.77	67.613	
15,000.00	9,841.31	9,836.34	9,823.00	128.10	29.24	-88.369	-281.45	825.79	4,479.17	4,414.34	64.83	69.093	
15,100.00	9,843.06	9,837.51	9,824.18	130.33	29.25	-88.406	-281.45	825.78	4,579.12	4,514.24	64.89	70.569	
15,200.00	9,844.81	9,838.69	9,825.36	132.57	29.25	-88.441	-281.44	825.77	4,679.08	4,614.13	64.95	72.041	
15,300.00	9,846.56	9,839.87	9,826.54	134.81	29.26	-88.476	-281.44	825.77	4,779.03	4,714.02	65.01	73.510	
15,400.00	9,848.30	9,841.06	9,827.72	137.05	29.26	-88.508	-281.44	825.76	4,878.99	4,813.91	65.08	74.974	
15,500.00	9,850.05	9,842.25	9,828.92	139.29	29.26	-88.540	-281.44	825.75	4,978.95	4,913.81	65.14	76.435	

MS Directional
Anticollision Report

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Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Design #2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-45.611	29.65	-30.28	42.38				
100.00	100.00	101.00	101.00	0.13	0.13	-45.611	29.65	-30.28	42.38	42.12	0.26	163.065	
200.00	200.00	201.00	201.00	0.49	0.49	-45.611	29.65	-30.28	42.38	41.40	0.98	43.384	
300.00	300.00	301.00	301.00	0.85	0.85	-45.611	29.65	-30.28	42.38	40.69	1.69	25.021	
400.00	400.00	401.00	401.00	1.20	1.21	-45.611	29.65	-30.28	42.38	39.97	2.41	17.580	
500.00	500.00	501.00	501.00	1.56	1.57	-45.611	29.65	-30.28	42.38	39.25	3.13	13.550	
600.00	600.00	601.00	601.00	1.92	1.92	-45.611	29.65	-30.28	42.38	38.53	3.84	11.023	
700.00	700.00	701.00	701.00	2.28	2.28	-45.611	29.65	-30.28	42.38	37.82	4.56	9.291	
716.33	716.33	717.33	717.33	2.34	2.34	-45.611	29.65	-30.28	42.38	37.70	4.68	9.058 CC	
800.00	800.00	800.99	800.99	2.64	2.64	-45.611	29.65	-30.28	42.38	37.10	5.28	8.029 ES	
900.00	899.98	900.00	899.98	2.98	3.00	-42.215	31.37	-30.53	44.60	38.63	5.97	7.466	
1,000.00	999.84	997.77	997.61	3.31	3.35	-33.961	36.40	-31.23	51.95	45.29	6.65	7.810	
1,100.00	1,099.59	1,096.82	1,096.42	3.65	3.70	-26.103	43.24	-32.20	62.99	55.64	7.34	8.578	
1,200.00	1,199.35	1,195.89	1,195.26	3.99	4.06	-20.656	50.09	-33.16	74.85	66.81	8.04	9.313	
1,300.00	1,299.11	1,294.97	1,294.09	4.34	4.42	-16.724	56.93	-34.12	87.20	78.47	8.74	9.983	
1,400.00	1,398.86	1,394.05	1,392.93	4.69	4.78	-13.777	63.78	-35.08	99.86	90.43	9.44	10.583	
1,401.14	1,400.00	1,395.18	1,394.06	4.70	4.78	-13.748	63.85	-35.09	100.01	90.57	9.44	10.590	
1,500.00	1,498.72	1,497.02	1,495.74	5.04	5.15	-11.992	69.30	-35.86	109.73	99.57	10.16	10.798	
1,600.00	1,598.70	1,600.99	1,599.69	5.39	5.52	-11.460	71.18	-36.12	113.08	102.20	10.89	10.387	
1,601.14	1,599.84	1,602.18	1,600.88	5.40	5.53	-11.460	71.18	-36.12	113.08	102.19	10.90	10.379	
1,633.76	1,632.46	1,634.76	1,633.46	5.51	5.64	-11.460	71.18	-36.12	113.08	101.96	11.13	10.164	
1,700.00	1,698.70	1,701.00	1,699.70	5.74	5.88	-11.460	71.18	-36.12	113.08	101.49	11.59	9.753	
1,800.00	1,798.70	1,801.00	1,799.70	6.09	6.24	-11.460	71.18	-36.12	113.08	100.78	12.30	9.191	
1,900.00	1,898.70	1,901.00	1,899.70	6.44	6.59	-11.460	71.18	-36.12	113.08	100.07	13.01	8.690	
2,000.00	1,998.70	2,001.00	1,999.70	6.80	6.95	-11.460	71.18	-36.12	113.08	99.36	13.72	8.240	
2,100.00	2,098.70	2,101.00	2,099.70	7.15	7.31	-11.460	71.18	-36.12	113.08	98.65	14.44	7.834	
2,200.00	2,198.70	2,201.00	2,199.70	7.50	7.67	-11.460	71.18	-36.12	113.08	97.94	15.15	7.466	
2,300.00	2,298.70	2,301.00	2,299.70	7.85	8.02	-11.460	71.18	-36.12	113.08	97.23	15.86	7.130	
2,400.00	2,398.70	2,401.00	2,399.70	8.21	8.38	-11.460	71.18	-36.12	113.08	96.51	16.57	6.824	
2,500.00	2,498.70	2,501.00	2,499.70	8.56	8.74	-11.460	71.18	-36.12	113.08	95.80	17.29	6.542	
2,600.00	2,598.70	2,601.00	2,599.70	8.92	9.10	-11.460	71.18	-36.12	113.08	95.09	18.00	6.283	
2,700.00	2,698.70	2,701.00	2,699.70	9.27	9.45	-11.460	71.18	-36.12	113.08	94.37	18.71	6.043	
2,800.00	2,798.70	2,801.00	2,799.70	9.63	9.81	-11.460	71.18	-36.12	113.08	93.66	19.43	5.821	
2,900.00	2,898.70	2,901.00	2,899.70	9.98	10.17	-11.460	71.18	-36.12	113.08	92.94	20.14	5.615	
3,000.00	2,998.70	3,001.00	2,999.70	10.34	10.53	-11.460	71.18	-36.12	113.08	92.23	20.85	5.423	
3,100.00	3,098.70	3,101.00	3,099.70	10.69	10.89	-11.460	71.18	-36.12	113.08	91.52	21.57	5.243	
3,200.00	3,198.70	3,201.00	3,199.70	11.05	11.24	-11.460	71.18	-36.12	113.08	90.80	22.28	5.075	
3,300.00	3,298.70	3,301.00	3,299.70	11.40	11.60	-11.460	71.18	-36.12	113.08	90.09	23.00	4.917	
3,400.00	3,398.70	3,401.00	3,399.70	11.76	11.96	-11.460	71.18	-36.12	113.08	89.37	23.71	4.769	
3,500.00	3,498.70	3,501.00	3,499.70	12.12	12.32	-11.460	71.18	-36.12	113.08	88.66	24.43	4.629	
3,600.00	3,598.70	3,601.00	3,599.70	12.47	12.68	-11.460	71.18	-36.12	113.08	87.94	25.14	4.498	
3,700.00	3,698.70	3,701.00	3,699.70	12.83	13.03	-11.460	71.18	-36.12	113.08	87.23	25.86	4.373	
3,800.00	3,798.70	3,801.00	3,799.70	13.19	13.39	-11.460	71.18	-36.12	113.08	86.51	26.57	4.256	
3,900.00	3,898.70	3,901.00	3,899.70	13.54	13.75	-11.460	71.18	-36.12	113.08	85.80	27.29	4.144	
4,000.00	3,998.70	4,001.00	3,999.70	13.90	14.11	-11.460	71.18	-36.12	113.08	85.08	28.00	4.038	
4,001.30	4,000.00	4,001.30	4,000.00	13.91	14.11	-11.460	71.18	-36.12	113.09	85.08	28.01	4.038	
4,100.00	4,098.68	4,097.12	4,095.80	14.25	14.45	-10.993	72.76	-36.36	116.22	87.53	28.68	4.052	
4,200.00	4,198.54	4,192.60	4,191.15	14.58	14.80	-9.712	77.49	-37.08	125.73	96.41	29.32	4.288	
4,300.00	4,298.16	4,286.84	4,285.06	14.92	15.14	-7.948	85.23	-38.25	141.64	111.72	29.93	4.733	
4,400.00	4,397.41	4,379.26	4,376.87	15.27	15.47	-6.040	95.79	-39.84	163.94	133.44	30.50	5.376	
4,444.20	4,441.13	4,419.40	4,416.61	15.42	15.61	-5.215	101.29	-40.67	175.80	145.06	30.74	5.719	
4,500.00	4,496.27	4,469.49	4,466.11	15.61	15.80	-4.280	108.92	-41.83	192.04	161.01	31.03	6.188	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Design #2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,600.00	4,595.08	4,559.41	4,554.59	15.96	16.12	-2.995	124.69	-44.21	223.46	191.89	31.57	7.078	
4,700.00	4,693.89	4,653.94	4,647.47	16.32	16.47	-2.064	142.12	-46.85	255.85	223.61	32.24	7.936	
4,800.00	4,792.69	4,748.47	4,740.34	16.68	16.83	-1.343	159.55	-49.48	288.29	255.38	32.91	8.760	
4,900.00	4,891.50	4,843.00	4,833.22	17.04	17.18	-0.768	176.98	-52.12	320.77	287.18	33.58	9.551	
5,000.00	4,990.31	4,937.54	4,926.09	17.40	17.54	-0.298	194.41	-54.75	353.27	319.01	34.26	10.312	
5,100.00	5,089.11	5,032.07	5,018.96	17.76	17.90	0.092	211.85	-57.39	385.79	350.85	34.94	11.043	
5,200.00	5,187.92	5,126.60	5,111.84	18.13	18.26	0.422	229.28	-60.02	418.32	382.71	35.61	11.746	
5,300.00	5,286.73	5,221.13	5,204.71	18.50	18.62	0.704	246.71	-62.66	450.87	414.57	36.29	12.422	
5,400.00	5,385.54	5,315.67	5,297.59	18.87	18.98	0.948	264.14	-65.30	483.42	446.44	36.98	13.074	
5,500.00	5,484.34	5,410.20	5,390.46	19.25	19.35	1.161	281.57	-67.93	515.98	478.32	37.66	13.701	
5,600.00	5,583.15	5,504.73	5,483.33	19.62	19.72	1.349	299.01	-70.57	548.55	510.20	38.35	14.305	
5,700.00	5,681.96	5,599.26	5,576.21	20.00	20.09	1.516	316.44	-73.20	581.12	542.09	39.03	14.888	
5,800.00	5,780.77	5,693.80	5,669.08	20.38	20.46	1.665	333.87	-75.84	613.70	573.98	39.72	15.450	
5,900.00	5,879.57	5,788.33	5,761.96	20.76	20.84	1.799	351.30	-78.47	646.28	605.87	40.41	15.992	
6,000.00	5,978.38	5,882.86	5,854.83	21.14	21.21	1.921	368.73	-81.11	678.87	637.76	41.10	16.516	
6,100.00	6,077.19	5,977.39	5,947.70	21.53	21.59	2.031	386.16	-83.74	711.45	669.66	41.80	17.021	
6,200.00	6,175.99	6,071.92	6,040.58	21.91	21.96	2.131	403.60	-86.38	744.04	701.55	42.49	17.510	
6,300.00	6,274.80	6,166.46	6,133.45	22.30	22.34	2.223	421.03	-89.01	776.63	733.45	43.19	17.983	
6,400.00	6,373.61	6,260.99	6,226.32	22.69	22.72	2.308	438.46	-91.65	809.23	765.34	43.88	18.441	
6,500.00	6,472.42	6,355.52	6,319.20	23.07	23.10	2.386	455.89	-94.29	841.82	797.24	44.58	18.883	
6,587.49	6,558.87	6,438.23	6,400.46	23.41	23.44	2.449	471.14	-96.59	870.34	825.15	45.19	19.259	
6,600.00	6,571.23	6,450.06	6,412.08	23.46	23.49	2.458	473.33	-96.92	874.39	829.11	45.28	19.311	
6,700.00	6,670.34	6,545.25	6,505.60	23.85	23.87	2.483	490.88	-99.57	905.01	859.03	45.98	19.683	
6,800.00	6,769.86	6,641.41	6,600.07	24.22	24.26	2.443	508.61	-102.26	932.44	885.76	46.68	19.974	
6,900.00	6,869.66	6,738.42	6,695.38	24.58	24.66	2.342	526.50	-104.96	956.64	909.25	47.39	20.187	
7,000.00	6,969.61	6,836.16	6,791.40	24.93	25.05	2.184	544.52	-107.68	977.60	929.50	48.10	20.325	
7,030.39	7,000.00	6,865.99	6,820.71	25.04	25.18	2.126	550.02	-108.52	983.32	935.01	48.31	20.353	
7,100.00	7,069.61	6,934.38	6,887.90	25.27	25.46	1.987	562.63	-110.42	996.09	947.28	48.81	20.409	
7,200.00	7,169.61	7,032.62	6,984.42	25.61	25.86	1.793	580.75	-113.16	1,014.44	964.92	49.51	20.488	
7,300.00	7,269.61	7,130.87	7,080.94	25.94	26.26	1.607	598.87	-115.90	1,032.80	982.57	50.22	20.564	
7,400.00	7,369.61	7,229.11	7,177.46	26.28	26.66	1.427	616.98	-118.64	1,051.17	1,000.23	50.93	20.638	
7,500.00	7,469.61	7,327.36	7,273.99	26.62	27.07	1.253	635.10	-121.38	1,069.55	1,017.90	51.65	20.709	
7,600.00	7,569.61	7,425.60	7,370.51	26.96	27.47	1.085	653.22	-124.12	1,087.94	1,035.58	52.36	20.779	
7,700.00	7,669.61	7,523.85	7,467.03	27.30	27.88	0.923	671.33	-126.86	1,106.33	1,053.26	53.07	20.847	
7,800.00	7,769.61	7,622.10	7,563.55	27.64	28.29	0.766	689.45	-129.60	1,124.74	1,070.96	53.78	20.913	
7,900.00	7,869.61	7,720.34	7,660.07	27.98	28.69	0.614	707.57	-132.33	1,143.15	1,088.66	54.49	20.977	
8,000.00	7,969.61	7,818.59	7,756.59	28.32	29.10	0.466	725.68	-135.07	1,161.57	1,106.37	55.21	21.040	
8,100.00	8,069.61	7,916.83	7,853.12	28.66	29.51	0.324	743.80	-137.81	1,180.00	1,124.08	55.92	21.101	
8,200.00	8,169.61	8,015.08	7,949.64	29.00	29.92	0.186	761.91	-140.55	1,198.44	1,141.80	56.64	21.160	
8,300.00	8,269.61	8,113.32	8,046.16	29.34	30.33	0.052	780.03	-143.29	1,216.88	1,159.53	57.35	21.218	
8,400.00	8,369.61	8,211.57	8,142.68	29.68	30.74	-0.078	798.15	-146.03	1,235.33	1,177.26	58.07	21.274	
8,500.00	8,469.61	8,309.81	8,239.20	30.02	31.15	-0.205	816.26	-148.77	1,253.78	1,195.00	58.78	21.329	
8,600.00	8,569.61	8,408.06	8,335.73	30.37	31.56	-0.327	834.38	-151.51	1,272.24	1,212.74	59.50	21.383	
8,700.00	8,669.61	8,506.31	8,432.25	30.71	31.97	-0.446	852.50	-154.25	1,290.70	1,230.49	60.21	21.435	
8,800.00	8,769.61	8,677.54	8,601.24	31.05	32.66	-0.618	879.64	-158.35	1,306.71	1,245.16	61.54	21.233	
8,900.00	8,869.61	8,859.65	8,782.42	31.40	33.35	-0.728	897.52	-161.05	1,316.55	1,253.78	62.77	20.975	
9,000.00	8,969.61	9,043.35	8,965.97	31.74	34.00	-0.767	903.98	-162.03	1,320.07	1,256.28	63.79	20.693	
9,100.00	9,069.61	9,147.99	9,070.61	32.09	34.35	-0.767	904.00	-162.03	1,320.08	1,255.58	64.50	20.465	
9,200.00	9,169.61	9,247.99	9,170.61	32.43	34.68	-0.767	904.00	-162.03	1,320.08	1,254.88	65.20	20.246	
9,224.94	9,194.55	9,273.47	9,196.09	32.52	34.77	-0.752	904.00	-161.69	1,320.08	1,254.70	65.38	20.192	
9,250.00	9,219.60	9,299.20	9,221.78	32.60	34.85	-0.711	904.00	-160.21	1,320.07	1,254.52	65.55	20.138	
9,300.00	9,269.40	9,350.40	9,272.57	32.77	35.01	-0.625	904.01	-153.86	1,320.05	1,254.17	65.88	20.036	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Design #2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Rule Assigned: Distance

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,350.00	9,318.62	9,401.43	9,322.41	32.93	35.16	-0.533	904.02	-143.05	1,320.03	1,253.82	66.21	19.937	
9,400.00	9,366.90	9,452.27	9,370.93	33.08	35.31	-0.437	904.04	-127.90	1,320.02	1,253.49	66.53	19.841	
9,450.00	9,413.87	9,502.92	9,417.74	33.23	35.44	-0.342	904.07	-108.60	1,320.01	1,253.16	66.84	19.747	
9,500.00	9,459.17	9,553.38	9,462.50	33.37	35.57	-0.249	904.10	-85.34	1,320.00	1,252.84	67.15	19.657	
9,550.00	9,502.45	9,603.64	9,504.88	33.49	35.68	-0.162	904.13	-58.34	1,319.99	1,252.53	67.46	19.568	
9,600.00	9,543.39	9,653.72	9,544.58	33.61	35.78	-0.083	904.17	-27.85	1,319.99	1,252.22	67.76	19.479	
9,606.77	9,548.73	9,660.48	9,549.73	33.62	35.79	-0.074	904.18	-23.48	1,319.99	1,252.18	67.81	19.467	
9,650.00	9,581.68	9,703.60	9,581.34	33.71	35.87	-0.016	904.21	5.85	1,319.99	1,251.91	68.08	19.389	
9,700.00	9,617.02	9,753.29	9,614.91	33.79	35.94	0.040	904.26	42.47	1,319.99	1,251.58	68.41	19.296	
9,750.00	9,649.14	9,802.81	9,645.07	33.87	36.01	0.081	904.31	81.71	1,320.00	1,251.24	68.76	19.197	
9,800.00	9,677.81	9,852.14	9,671.64	33.96	36.07	0.107	904.36	123.26	1,320.01	1,250.87	69.14	19.092	
9,850.00	9,702.80	9,901.30	9,694.47	34.15	36.13	0.117	904.42	166.78	1,320.03	1,250.47	69.56	18.978	
9,900.00	9,723.92	9,950.00	9,713.33	34.38	36.20	0.099	904.48	211.67	1,320.04	1,250.03	70.01	18.855	
9,950.00	9,741.01	9,999.14	9,728.42	34.63	36.31	0.089	904.54	258.41	1,320.06	1,249.55	70.51	18.721	
10,000.00	9,753.94	10,047.84	9,739.38	34.90	36.48	0.052	904.60	305.85	1,320.08	1,249.02	71.06	18.577	
10,050.00	9,762.61	10,096.40	9,746.25	35.20	36.73	0.002	904.66	353.91	1,320.10	1,248.45	71.65	18.424	
10,100.00	9,766.96	10,144.84	9,749.03	35.53	37.02	-0.061	904.72	402.25	1,320.12	1,247.84	72.28	18.263	
10,120.94	9,767.49	10,165.68	9,749.25	35.67	37.16	-0.065	904.75	423.09	1,320.13	1,247.56	72.57	18.192	
10,200.00	9,768.04	10,244.75	9,750.08	36.25	37.74	-0.065	904.85	502.15	1,320.12	1,246.39	73.74	17.903	
10,300.00	9,768.74	10,344.74	9,751.13	37.10	38.59	-0.065	904.98	602.15	1,320.12	1,244.69	75.43	17.500	
10,400.00	9,769.44	10,444.74	9,752.17	38.08	39.56	-0.065	905.11	702.14	1,320.11	1,242.74	77.37	17.062	
10,500.00	9,770.14	10,544.74	9,753.22	39.16	40.64	-0.065	905.24	802.14	1,320.11	1,240.58	79.53	16.599	
10,600.00	9,770.84	10,644.74	9,754.27	40.35	41.82	-0.066	905.37	902.13	1,320.10	1,238.21	81.90	16.119	
10,700.00	9,771.53	10,744.74	9,755.32	41.64	43.09	-0.066	905.49	1,002.12	1,320.10	1,235.65	84.45	15.632	
10,800.00	9,772.23	10,844.74	9,756.36	43.00	44.44	-0.066	905.62	1,102.12	1,320.10	1,232.92	87.18	15.143	
10,900.00	9,772.93	10,944.74	9,757.41	44.45	45.87	-0.066	905.75	1,202.11	1,320.09	1,230.03	90.06	14.658	
11,000.00	9,773.63	11,044.74	9,758.46	45.97	47.37	-0.066	905.88	1,302.10	1,320.09	1,227.01	93.08	14.182	
11,100.00	9,774.33	11,144.74	9,759.50	47.55	48.94	-0.066	906.01	1,402.10	1,320.08	1,223.85	96.23	13.718	
11,196.60	9,775.00	11,241.44	9,760.66	49.14	50.50	-0.062	906.13	1,498.80	1,320.08	1,220.70	99.38	13.283	
11,200.00	9,775.03	11,244.85	9,760.72	49.19	50.56	-0.062	906.14	1,502.20	1,320.08	1,220.58	99.49	13.268	
11,226.67	9,775.37	11,271.51	9,761.18	49.64	51.00	-0.062	906.17	1,528.86	1,320.07	1,219.69	100.38	13.150	
11,300.00	9,776.65	11,344.85	9,762.46	50.89	52.23	-0.062	906.26	1,602.18	1,320.07	1,217.20	102.87	12.832	
11,400.00	9,778.40	11,444.85	9,764.21	52.63	53.96	-0.062	906.39	1,702.17	1,320.07	1,213.73	106.34	12.413	
11,500.00	9,780.14	11,544.85	9,765.96	54.42	55.72	-0.062	906.52	1,802.15	1,320.07	1,210.17	109.90	12.011	
11,600.00	9,781.89	11,644.85	9,767.71	56.24	57.53	-0.062	906.65	1,902.14	1,320.07	1,206.54	113.54	11.627	
11,700.00	9,783.64	11,744.85	9,769.45	58.10	59.37	-0.062	906.78	2,002.12	1,320.07	1,202.83	117.24	11.260	
11,800.00	9,785.39	11,844.85	9,771.20	59.99	61.24	-0.062	906.91	2,102.11	1,320.07	1,199.06	121.01	10.909	
11,900.00	9,787.14	11,944.85	9,772.95	61.91	63.14	-0.062	907.03	2,202.09	1,320.07	1,195.24	124.84	10.574	
12,000.00	9,788.88	12,044.85	9,774.70	63.86	65.07	-0.062	907.16	2,302.08	1,320.07	1,191.36	128.72	10.256	
12,100.00	9,790.63	12,144.85	9,776.44	65.83	67.02	-0.062	907.29	2,402.06	1,320.07	1,187.43	132.64	9.952	
12,200.00	9,792.38	12,244.85	9,778.19	67.82	69.00	-0.062	907.42	2,502.04	1,320.07	1,183.46	136.62	9.663	
12,300.00	9,794.13	12,344.85	9,779.94	69.83	70.99	-0.062	907.55	2,602.03	1,320.07	1,179.44	140.63	9.387	
12,400.00	9,795.87	12,444.85	9,781.69	71.86	73.01	-0.062	907.68	2,702.01	1,320.07	1,175.39	144.68	9.124	
12,500.00	9,797.62	12,544.85	9,783.43	73.91	75.04	-0.062	907.80	2,802.00	1,320.07	1,171.31	148.76	8.874	
12,600.00	9,799.37	12,644.85	9,785.18	75.97	77.09	-0.062	907.93	2,901.98	1,320.07	1,167.20	152.88	8.635	
12,700.00	9,801.12	12,744.85	9,786.93	78.05	79.15	-0.062	908.06	3,001.97	1,320.07	1,163.05	157.02	8.407	
12,800.00	9,802.86	12,844.85	9,788.68	80.14	81.23	-0.062	908.19	3,101.95	1,320.07	1,158.88	161.19	8.189	
12,900.00	9,804.61	12,944.85	9,790.42	82.24	83.32	-0.062	908.32	3,201.94	1,320.07	1,154.69	165.39	7.982	
13,000.00	9,806.36	13,044.85	9,792.17	84.35	85.42	-0.062	908.45	3,301.92	1,320.07	1,150.47	169.60	7.783	
13,100.00	9,808.11	13,144.85	9,793.92	86.48	87.53	-0.062	908.57	3,401.91	1,320.07	1,146.23	173.84	7.594	
13,200.00	9,809.86	13,244.85	9,795.67	88.61	89.65	-0.062	908.70	3,501.89	1,320.07	1,141.97	178.10	7.412	
13,300.00	9,811.60	13,344.85	9,797.41	90.75	91.78	-0.062	908.83	3,601.88	1,320.07	1,137.70	182.38	7.238	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Design #2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Rule Assigned: Distance

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,400.00	9,813.35	13,444.85	9,799.16	92.90	93.92	-0.062	908.96	3,701.86	1,320.07	1,133.40	186.67	7.072	
13,500.00	9,815.10	13,544.85	9,800.91	95.06	96.07	-0.062	909.09	3,801.85	1,320.07	1,129.09	190.98	6.912	
13,600.00	9,816.85	13,644.85	9,802.66	97.22	98.22	-0.062	909.22	3,901.83	1,320.07	1,124.77	195.30	6.759	
13,700.00	9,818.59	13,744.85	9,804.40	99.40	100.39	-0.062	909.35	4,001.81	1,320.07	1,120.43	199.64	6.612	
13,800.00	9,820.34	13,844.85	9,806.15	101.58	102.56	-0.062	909.47	4,101.80	1,320.07	1,116.08	203.99	6.471	
13,900.00	9,822.09	13,944.85	9,807.90	103.76	104.73	-0.062	909.60	4,201.78	1,320.07	1,111.72	208.36	6.336	
14,000.00	9,823.84	14,044.85	9,809.65	105.95	106.91	-0.062	909.73	4,301.77	1,320.07	1,107.34	212.73	6.205	
14,100.00	9,825.58	14,144.85	9,811.39	108.15	109.10	-0.062	909.86	4,401.75	1,320.07	1,102.96	217.11	6.080	
14,200.00	9,827.33	14,244.85	9,813.14	110.35	111.29	-0.062	909.99	4,501.74	1,320.07	1,098.56	221.51	5.959	
14,300.00	9,829.08	14,344.85	9,814.89	112.55	113.49	-0.062	910.12	4,601.72	1,320.07	1,094.16	225.91	5.843	
14,400.00	9,830.83	14,444.85	9,816.64	114.76	115.69	-0.062	910.24	4,701.71	1,320.07	1,089.74	230.33	5.731	
14,500.00	9,832.58	14,544.85	9,818.38	116.97	117.90	-0.062	910.37	4,801.69	1,320.07	1,085.32	234.75	5.623	
14,600.00	9,834.32	14,644.85	9,820.13	119.19	120.11	-0.062	910.50	4,901.68	1,320.07	1,080.89	239.18	5.519	
14,700.00	9,836.07	14,744.87	9,821.93	121.41	122.32	-0.061	910.63	5,001.69	1,320.07	1,076.45	243.62	5.419	
14,800.00	9,837.82	14,844.87	9,823.85	123.64	124.54	-0.061	910.76	5,101.67	1,320.07	1,072.01	248.06	5.322	
14,900.00	9,839.57	14,944.87	9,825.77	125.86	126.76	-0.061	910.89	5,201.65	1,320.07	1,067.55	252.51	5.228	
15,000.00	9,841.31	15,044.87	9,827.69	128.10	128.99	-0.061	911.01	5,301.63	1,320.06	1,063.09	256.97	5.137	
15,100.00	9,843.06	15,144.87	9,829.61	130.33	131.22	-0.062	911.14	5,401.61	1,320.06	1,058.63	261.43	5.049	
15,200.00	9,844.81	15,244.87	9,831.53	132.57	133.45	-0.062	911.27	5,501.59	1,320.06	1,054.16	265.90	4.964	
15,300.00	9,846.56	15,344.87	9,833.45	134.81	135.68	-0.062	911.40	5,601.57	1,320.06	1,049.68	270.38	4.882	
15,400.00	9,848.30	15,444.87	9,835.37	137.05	137.92	-0.062	911.53	5,701.56	1,320.06	1,045.20	274.86	4.803	
15,500.00	9,850.05	15,544.87	9,837.29	139.29	140.16	-0.062	911.66	5,801.54	1,320.05	1,040.71	279.34	4.726	
15,600.00	9,851.80	15,644.87	9,839.21	141.54	142.40	-0.062	911.78	5,901.52	1,320.05	1,036.22	283.83	4.651	
15,697.28	9,853.50	15,742.15	9,841.08	143.73	144.58	-0.062	911.91	5,998.78	1,320.05	1,031.84	288.21	4.580	
15,700.00	9,853.55	15,744.87	9,841.13	143.79	144.64	-0.062	911.91	6,001.50	1,320.05	1,031.72	288.33	4.578	
15,702.33	9,853.58	15,747.20	9,841.17	143.84	144.69	-0.062	911.92	6,003.82	1,320.05	1,031.62	288.43	4.577	
15,800.00	9,855.12	15,844.87	9,843.05	146.04	146.89	-0.063	912.04	6,101.48	1,320.05	1,027.22	292.83	4.508	
15,900.00	9,856.69	15,944.87	9,844.97	148.29	149.14	-0.063	912.17	6,201.46	1,320.04	1,022.71	297.33	4.440	
16,000.00	9,858.26	16,044.87	9,846.89	150.55	151.39	-0.063	912.30	6,301.44	1,320.04	1,018.20	301.84	4.373	
16,100.00	9,859.83	16,144.87	9,848.81	152.80	153.64	-0.064	912.43	6,401.42	1,320.04	1,013.69	306.35	4.309	
16,200.00	9,861.41	16,244.87	9,850.73	155.06	155.89	-0.064	912.55	6,501.40	1,320.03	1,009.17	310.86	4.246	
16,300.00	9,862.98	16,344.87	9,852.65	157.32	158.15	-0.064	912.68	6,601.39	1,320.03	1,004.65	315.38	4.186	
16,400.00	9,864.55	16,444.87	9,854.57	159.58	160.41	-0.064	912.81	6,701.37	1,320.03	1,000.13	319.90	4.126	
16,500.00	9,866.12	16,544.87	9,856.49	161.85	162.67	-0.065	912.94	6,801.35	1,320.02	995.60	324.42	4.069	
16,600.00	9,867.69	16,644.87	9,858.41	164.11	164.93	-0.065	913.07	6,901.33	1,320.02	991.07	328.95	4.013	
16,700.00	9,869.26	16,744.87	9,860.33	166.38	167.19	-0.065	913.20	7,001.31	1,320.02	986.54	333.48	3.958	
16,800.00	9,870.84	16,844.87	9,862.25	168.64	169.45	-0.066	913.32	7,101.29	1,320.02	982.00	338.01	3.905	
16,900.00	9,872.41	16,944.86	9,864.17	170.91	171.72	-0.066	913.45	7,201.27	1,320.01	977.47	342.55	3.854	
17,000.00	9,873.98	17,044.86	9,866.09	173.18	173.99	-0.066	913.58	7,301.25	1,320.01	972.93	347.08	3.803	
17,100.00	9,875.55	17,144.86	9,868.01	175.45	176.25	-0.066	913.71	7,401.23	1,320.01	968.38	351.62	3.754	
17,177.94	9,876.78	17,222.77	9,869.48	177.22	178.02	-0.068	913.81	7,479.13	1,320.01	964.84	355.16	3.717	
17,200.00	9,877.12	17,244.80	9,869.77	177.73	178.52	-0.069	913.84	7,501.16	1,320.01	963.84	356.16	3.706	
17,300.00	9,878.69	17,344.80	9,870.98	180.00	180.79	-0.069	913.97	7,601.15	1,320.01	959.30	360.71	3.659	
17,400.00	9,880.27	17,444.80	9,872.19	182.27	183.06	-0.069	914.09	7,701.14	1,320.01	954.76	365.26	3.614	
17,500.00	9,881.84	17,544.80	9,873.41	184.55	185.33	-0.069	914.22	7,801.13	1,320.01	950.21	369.80	3.569	
17,600.00	9,883.41	17,644.80	9,874.62	186.83	187.61	-0.068	914.35	7,901.12	1,320.02	945.66	374.35	3.526	
17,700.00	9,884.98	17,744.80	9,875.83	189.10	189.88	-0.068	914.48	8,001.12	1,320.02	941.11	378.91	3.484	
17,800.00	9,886.55	17,844.80	9,877.04	191.38	192.16	-0.068	914.61	8,101.11	1,320.02	936.56	383.46	3.442	
17,900.00	9,888.12	17,944.80	9,878.26	193.66	194.43	-0.068	914.74	8,201.10	1,320.02	932.01	388.02	3.402	
18,000.00	9,889.69	18,044.80	9,879.47	195.94	196.71	-0.068	914.86	8,301.09	1,320.03	927.45	392.58	3.362	
18,100.00	9,891.27	18,144.80	9,880.68	198.22	198.99	-0.067	914.99	8,401.08	1,320.03	922.89	397.14	3.324	
18,197.59	9,892.80	18,242.37	9,881.82	200.45	201.21	-0.068	915.12	8,498.65	1,320.03	918.45	401.59	3.287	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Design #2

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Rule Assigned: Distance

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,200.00	9,892.84	18,244.78	9,881.84	200.50	201.27	-0.068	915.12	8,501.06	1,320.03	918.34	401.70	3.286	
18,212.67	9,893.00	18,257.45	9,881.98	200.79	201.56	-0.068	915.14	8,513.73	1,320.03	917.76	402.28	3.281	
18,300.00	9,893.91	18,344.78	9,882.89	202.79	203.55	-0.068	915.25	8,601.05	1,320.03	913.77	406.26	3.249	
18,400.00	9,894.96	18,444.78	9,883.94	205.07	205.83	-0.068	915.38	8,701.05	1,320.03	909.21	410.82	3.213	
18,500.00	9,896.00	18,544.78	9,884.99	207.35	208.11	-0.068	915.51	8,801.04	1,320.03	904.64	415.39	3.178	
18,600.00	9,897.05	18,644.78	9,886.03	209.64	210.39	-0.068	915.63	8,901.03	1,320.03	900.08	419.96	3.143	
18,700.00	9,898.09	18,744.78	9,887.08	211.92	212.67	-0.068	915.76	9,001.03	1,320.03	895.51	424.53	3.109	
18,800.00	9,899.14	18,844.78	9,888.13	214.21	214.96	-0.068	915.89	9,101.02	1,320.03	890.94	429.10	3.076	
18,900.00	9,900.18	18,944.78	9,889.17	216.50	217.24	-0.068	916.02	9,201.02	1,320.03	886.36	433.67	3.044	
19,000.00	9,901.23	19,044.78	9,890.22	218.78	219.53	-0.068	916.15	9,301.01	1,320.03	881.79	438.24	3.012	
19,100.00	9,902.27	19,144.78	9,891.27	221.07	221.81	-0.068	916.28	9,401.01	1,320.03	877.22	442.82	2.981	
19,200.00	9,903.32	19,244.78	9,892.32	223.36	224.10	-0.068	916.40	9,501.00	1,320.03	872.64	447.39	2.951	
19,300.00	9,904.36	19,344.78	9,893.36	225.65	226.38	-0.068	916.53	9,601.00	1,320.03	868.06	451.97	2.921	
19,400.00	9,905.41	19,444.78	9,894.41	227.94	228.67	-0.068	916.66	9,700.99	1,320.03	863.49	456.54	2.891	
19,500.00	9,906.45	19,544.78	9,895.46	230.23	230.96	-0.068	916.79	9,800.98	1,320.03	858.91	461.12	2.863	
19,600.00	9,907.50	19,644.78	9,896.50	232.52	233.25	-0.068	916.92	9,900.98	1,320.03	854.33	465.70	2.834	
19,700.00	9,908.54	19,744.78	9,897.55	234.81	235.54	-0.068	917.05	10,000.97	1,320.03	849.75	470.28	2.807	
19,800.00	9,909.59	19,844.78	9,898.60	237.10	237.83	-0.068	917.18	10,100.97	1,320.03	845.17	474.87	2.780	
19,900.00	9,910.63	19,944.78	9,899.65	239.39	240.12	-0.068	917.30	10,200.96	1,320.03	840.58	479.45	2.753	
20,000.00	9,911.68	20,044.78	9,900.69	241.69	242.41	-0.068	917.43	10,300.96	1,320.03	836.00	484.03	2.727	
20,100.00	9,912.72	20,144.78	9,901.74	243.98	244.70	-0.068	917.56	10,400.95	1,320.03	831.41	488.62	2.702	
20,200.00	9,913.77	20,244.78	9,902.79	246.27	246.99	-0.068	917.69	10,500.95	1,320.03	826.83	493.20	2.676	
20,300.00	9,914.82	20,344.78	9,903.83	248.57	249.28	-0.068	917.82	10,600.94	1,320.03	822.24	497.79	2.652	
20,400.00	9,915.86	20,444.78	9,904.88	250.86	251.58	-0.068	917.95	10,700.93	1,320.03	817.65	502.38	2.628	
20,500.00	9,916.91	20,544.78	9,905.93	253.16	253.87	-0.068	918.07	10,800.93	1,320.03	813.07	506.96	2.604	
20,600.00	9,917.95	20,644.78	9,906.98	255.45	256.16	-0.068	918.20	10,900.92	1,320.03	808.48	511.55	2.580	
20,700.00	9,919.00	20,744.78	9,908.02	257.75	258.46	-0.068	918.33	11,000.92	1,320.03	803.89	516.14	2.557	
20,800.00	9,920.04	20,844.78	9,909.07	260.04	260.75	-0.068	918.46	11,100.91	1,320.03	799.30	520.73	2.535	
20,900.00	9,921.09	20,944.78	9,910.12	262.34	263.04	-0.068	918.59	11,200.91	1,320.03	794.71	525.32	2.513	
21,000.00	9,922.13	21,044.78	9,911.16	264.64	265.34	-0.068	918.72	11,300.90	1,320.03	790.11	529.92	2.491	
21,100.00	9,923.18	21,144.78	9,912.21	266.93	267.63	-0.068	918.84	11,400.90	1,320.03	785.52	534.51	2.470	
21,200.00	9,924.22	21,244.78	9,913.26	269.23	269.93	-0.068	918.97	11,500.89	1,320.03	780.93	539.10	2.449	
21,300.00	9,925.27	21,344.78	9,914.31	271.53	272.23	-0.068	919.10	11,600.88	1,320.03	776.33	543.70	2.428	
21,400.00	9,926.31	21,444.78	9,915.35	273.82	274.52	-0.068	919.23	11,700.88	1,320.03	771.74	548.29	2.408	
21,500.00	9,927.36	21,544.78	9,916.40	276.12	276.82	-0.068	919.36	11,800.87	1,320.03	767.14	552.89	2.388	
21,600.00	9,928.40	21,644.78	9,917.45	278.42	279.12	-0.068	919.49	11,900.87	1,320.03	762.55	557.48	2.368	
21,700.00	9,929.45	21,744.78	9,918.49	280.72	281.41	-0.068	919.61	12,000.86	1,320.03	757.95	562.08	2.348	
21,800.00	9,930.49	21,844.78	9,919.54	283.02	283.71	-0.068	919.74	12,100.86	1,320.03	753.35	566.67	2.329	
21,900.00	9,931.54	21,944.78	9,920.59	285.32	286.01	-0.068	919.87	12,200.85	1,320.03	748.76	571.27	2.311	
22,000.00	9,932.58	22,044.78	9,921.64	287.62	288.31	-0.068	920.00	12,300.85	1,320.03	744.16	575.87	2.292	
22,100.00	9,933.63	22,144.78	9,922.68	289.92	290.60	-0.068	920.13	12,400.84	1,320.03	739.56	580.47	2.274	
22,200.00	9,934.67	22,244.78	9,923.73	292.22	292.90	-0.068	920.26	12,500.83	1,320.03	734.96	585.07	2.256	
22,300.00	9,935.72	22,344.78	9,924.78	294.52	295.20	-0.068	920.38	12,600.83	1,320.03	730.36	589.67	2.239	
22,322.35	9,935.95	22,367.13	9,925.01	295.03	295.72	-0.068	920.41	12,623.18	1,320.03	729.33	590.70	2.235	
22,325.56	9,935.99	22,368.07	9,925.02	295.11	295.74	-0.166	920.41	12,624.12	1,320.03	729.23	590.79	2.234	SF

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-45.611	29.65	-30.28	42.38				
100.00	100.00	100.93	100.93	0.13	0.15	-45.429	29.80	-30.25	42.46	42.18	0.28	150.153	
200.00	200.00	200.85	200.85	0.49	0.32	-44.893	30.26	-30.15	42.71	41.91	0.80	53.109	
300.00	300.00	300.69	300.68	0.85	0.68	-43.582	31.33	-29.82	43.25	41.73	1.52	28.442 ES	
400.00	400.00	400.68	400.65	1.20	1.04	-40.992	33.24	-28.89	44.04	41.80	2.24	19.681	
500.00	500.00	500.48	500.39	1.56	1.39	-36.924	36.04	-27.08	45.08	42.13	2.95	15.257	
600.00	600.00	600.44	600.26	1.92	1.75	-31.952	39.50	-24.64	46.56	42.89	3.67	12.675	
700.00	700.00	700.42	700.14	2.28	2.11	-26.859	43.03	-21.79	48.24	43.85	4.39	10.983	
800.00	800.00	800.49	800.12	2.64	2.47	-22.576	46.23	-19.22	50.08	44.96	5.11	9.796	
900.00	899.98	900.53	900.13	2.98	2.83	-18.804	48.53	-17.65	53.01	47.20	5.81	9.120	
1,000.00	999.84	999.58	999.15	3.31	3.19	-14.624	50.72	-17.23	59.26	52.76	6.50	9.119 SF	
1,100.00	1,099.59	1,097.85	1,097.34	3.65	3.54	-11.973	54.23	-18.84	69.00	61.82	7.18	9.609	
1,200.00	1,199.35	1,196.81	1,196.14	3.99	3.89	-10.923	58.85	-21.99	80.20	72.33	7.87	10.196	
1,300.00	1,299.11	1,296.47	1,295.64	4.34	4.24	-10.305	63.38	-25.41	91.34	82.78	8.56	10.670	
1,400.00	1,398.86	1,396.40	1,395.44	4.69	4.59	-9.727	67.51	-28.58	102.05	92.79	9.26	11.020	
1,401.14	1,400.00	1,397.54	1,396.58	4.70	4.60	-9.719	67.55	-28.61	102.17	92.90	9.27	11.023	
1,500.00	1,498.72	1,496.48	1,495.42	5.04	4.95	-9.252	71.27	-30.87	110.76	100.80	9.96	11.117	
1,600.00	1,598.70	1,596.26	1,595.12	5.39	5.31	-9.382	74.90	-32.58	116.20	105.53	10.67	10.894	
1,601.14	1,599.84	1,597.40	1,596.26	5.40	5.31	-9.389	74.94	-32.60	116.24	105.57	10.67	10.890	
1,700.00	1,698.70	1,665.00	1,663.80	5.74	5.55	-9.760	77.44	-33.80	124.12	113.19	10.93	11.360	
1,800.00	1,798.70	1,665.00	1,663.80	6.09	5.55	-9.760	77.44	-33.80	180.52	171.60	8.92	20.244	
1,900.00	1,898.70	1,665.00	1,663.80	6.44	5.55	-9.760	77.44	-33.80	264.13	256.43	7.71	34.275	
2,000.00	1,998.70	1,665.00	1,663.80	6.80	5.55	-9.760	77.44	-33.80	356.29	349.10	7.19	49.554	
2,100.00	2,098.70	1,665.00	1,663.80	7.15	5.55	-9.760	77.44	-33.80	451.80	444.83	6.97	64.799	
2,200.00	2,198.70	1,665.00	1,663.80	7.50	5.55	-9.760	77.44	-33.80	548.91	542.02	6.89	79.660	
2,300.00	2,298.70	1,665.00	1,663.80	7.85	5.55	-9.760	77.44	-33.80	646.90	640.03	6.88	94.049	
2,400.00	2,398.70	1,665.00	1,663.80	8.21	5.55	-9.760	77.44	-33.80	745.43	738.52	6.91	107.948	
2,500.00	2,498.70	1,665.00	1,663.80	8.56	5.55	-9.760	77.44	-33.80	844.30	837.34	6.96	121.360	
2,600.00	2,598.70	1,665.00	1,663.80	8.92	5.55	-9.760	77.44	-33.80	943.41	936.39	7.03	134.292	
2,700.00	2,698.70	1,665.00	1,663.80	9.27	5.55	-9.760	77.44	-33.80	1,042.69	1,035.59	7.10	146.757	
2,800.00	2,798.70	1,665.00	1,663.80	9.63	5.55	-9.760	77.44	-33.80	1,142.10	1,134.90	7.19	158.765	
2,900.00	2,898.70	1,665.00	1,663.80	9.98	5.55	-9.760	77.44	-33.80	1,241.60	1,234.31	7.29	170.326	
3,000.00	2,998.70	1,665.00	1,663.80	10.34	5.55	-9.760	77.44	-33.80	1,341.17	1,333.78	7.39	181.451	
3,100.00	3,098.70	1,665.00	1,663.80	10.69	5.55	-9.760	77.44	-33.80	1,440.81	1,433.31	7.50	192.152	
3,200.00	3,198.70	1,665.00	1,663.80	11.05	5.55	-9.760	77.44	-33.80	1,540.49	1,532.88	7.61	202.437	
3,300.00	3,298.70	1,665.00	1,663.80	11.40	5.55	-9.760	77.44	-33.80	1,640.21	1,632.48	7.73	212.319	
3,400.00	3,398.70	1,665.00	1,663.80	11.76	5.55	-9.760	77.44	-33.80	1,739.96	1,732.12	7.84	221.807	
3,500.00	3,498.70	1,665.00	1,663.80	12.12	5.55	-9.760	77.44	-33.80	1,839.74	1,831.77	7.97	230.912	
3,600.00	3,598.70	1,665.00	1,663.80	12.47	5.55	-9.760	77.44	-33.80	1,939.54	1,931.45	8.09	239.644	
3,700.00	3,698.70	1,665.00	1,663.80	12.83	5.55	-9.760	77.44	-33.80	2,039.36	2,031.14	8.22	248.013	
3,800.00	3,798.70	1,665.00	1,663.80	13.19	5.55	-9.760	77.44	-33.80	2,139.20	2,130.85	8.36	256.030	
3,900.00	3,898.70	1,665.00	1,663.80	13.54	5.55	-9.760	77.44	-33.80	2,239.05	2,230.56	8.49	263.705	
4,000.00	3,998.70	1,665.00	1,663.80	13.90	5.55	-9.760	77.44	-33.80	2,338.92	2,330.29	8.63	271.047	
4,001.30	4,000.00	1,665.00	1,663.80	13.91	5.55	-9.760	77.44	-33.80	2,340.22	2,331.59	8.63	271.141	
4,100.00	4,098.68	1,665.00	1,663.80	14.25	5.55	-9.368	77.44	-33.80	2,438.85	2,430.08	8.77	278.043	
4,200.00	4,198.54	1,665.00	1,663.80	14.58	5.55	-8.232	77.44	-33.80	2,538.81	2,529.90	8.92	284.699	
4,300.00	4,298.16	1,665.00	1,663.80	14.92	5.55	-6.509	77.44	-33.80	2,638.69	2,629.63	9.07	291.048	
4,400.00	4,397.41	1,665.00	1,663.80	15.27	5.55	-4.412	77.44	-33.80	2,738.39	2,729.17	9.22	297.092	
4,444.20	4,441.13	1,665.00	1,663.80	15.42	5.55	-3.421	77.44	-33.80	2,782.36	2,773.08	9.28	299.687	
4,500.00	4,496.27	1,665.00	1,663.80	15.61	5.55	-2.222	77.44	-33.80	2,837.85	2,828.48	9.37	302.831	
4,600.00	4,595.08	1,665.00	1,663.80	15.96	5.55	-0.352	77.44	-33.80	2,937.32	2,927.79	9.53	308.227	
4,700.00	4,693.89	1,665.00	1,663.80	16.32	5.55	1.227	77.44	-33.80	3,036.83	3,027.14	9.69	313.371	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 203H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,792.69	1,665.00	1,663.80	16.68	5.55	2.576	77.44	-33.80	3,136.36	3,126.51	9.85	318.270	
4,900.00	4,891.50	1,665.00	1,663.80	17.04	5.55	3.741	77.44	-33.80	3,235.93	3,225.91	10.02	322.932	
5,000.00	4,990.31	1,665.00	1,663.80	17.40	5.55	4.756	77.44	-33.80	3,335.52	3,325.33	10.19	327.365	
5,100.00	5,089.11	1,665.00	1,663.80	17.76	5.55	5.648	77.44	-33.80	3,435.13	3,424.77	10.36	331.576	
5,200.00	5,187.92	1,665.00	1,663.80	18.13	5.55	6.437	77.44	-33.80	3,534.77	3,524.24	10.53	335.573	
5,300.00	5,286.73	1,665.00	1,663.80	18.50	5.55	7.141	77.44	-33.80	3,634.43	3,623.72	10.71	339.363	
5,400.00	5,385.54	1,665.00	1,663.80	18.87	5.55	7.772	77.44	-33.80	3,734.10	3,723.21	10.89	342.951	
5,500.00	5,484.34	1,665.00	1,663.80	19.25	5.55	8.341	77.44	-33.80	3,833.79	3,822.72	11.07	346.346	
5,600.00	5,583.15	1,665.00	1,663.80	19.62	5.55	8.856	77.44	-33.80	3,933.50	3,922.25	11.25	349.554	
5,700.00	5,681.96	1,665.00	1,663.80	20.00	5.55	9.325	77.44	-33.80	4,033.22	4,021.78	11.44	352.581	
5,800.00	5,780.77	1,665.00	1,663.80	20.38	5.55	9.753	77.44	-33.80	4,132.96	4,121.33	11.63	355.433	
5,900.00	5,879.57	1,665.00	1,663.80	20.76	5.55	10.146	77.44	-33.80	4,232.70	4,220.88	11.82	358.116	
6,000.00	5,978.38	1,665.00	1,663.80	21.14	5.55	10.508	77.44	-33.80	4,332.46	4,320.45	12.01	360.636	
6,100.00	6,077.19	1,665.00	1,663.80	21.53	5.55	10.841	77.44	-33.80	4,432.23	4,420.02	12.21	362.999	
6,200.00	6,175.99	1,665.00	1,663.80	21.91	5.55	11.151	77.44	-33.80	4,532.01	4,519.60	12.41	365.210	
6,300.00	6,274.80	1,665.00	1,663.80	22.30	5.55	11.438	77.44	-33.80	4,631.80	4,619.19	12.61	367.275	
6,400.00	6,373.61	1,665.00	1,663.80	22.69	5.55	11.705	77.44	-33.80	4,731.60	4,718.79	12.82	369.199	
6,500.00	6,472.42	1,665.00	1,663.80	23.07	5.55	11.955	77.44	-33.80	4,831.41	4,818.39	13.02	370.987	
6,587.49	6,558.87	1,665.00	1,663.80	23.41	5.55	12.160	77.44	-33.80	4,918.74	4,905.53	13.21	372.444	
6,600.00	6,571.23	1,665.00	1,663.80	23.46	5.55	12.188	77.44	-33.80	4,931.23	4,917.99	13.23	372.643	

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 204Y - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	-0.675	29.98	-0.35	29.98				
100.00	100.00	100.90	100.90	0.13	0.15	-0.764	30.15	-0.40	30.15	29.87	0.28	106.541	
200.00	200.00	200.79	200.79	0.49	0.32	-1.021	30.67	-0.55	30.67	29.87	0.80	38.138	
300.00	300.00	300.79	300.79	0.85	0.67	-0.866	31.34	-0.47	31.35	29.83	1.52	20.634	ES
400.00	400.00	400.58	400.57	1.20	1.03	0.488	32.29	0.28	32.30	30.07	2.23	14.464	
500.00	500.00	500.16	500.11	1.56	1.39	3.842	34.15	2.29	34.23	31.29	2.95	11.617	
600.00	600.00	599.71	599.55	1.92	1.74	8.804	37.13	5.75	37.60	33.94	3.66	10.268	SF
700.00	700.00	655.00	654.77	2.28	1.94	11.412	38.97	7.87	60.97	56.41	4.56	13.384	
800.00	800.00	655.00	654.77	2.64	1.94	11.412	38.97	7.87	151.54	146.69	4.84	31.286	
900.00	899.98	655.00	654.77	2.98	1.94	11.731	38.97	7.87	249.68	244.76	4.92	50.779	
1,000.00	999.84	655.00	654.77	3.31	1.94	12.543	38.97	7.87	349.20	344.22	4.98	70.176	
1,100.00	1,099.59	655.00	654.77	3.65	1.94	13.382	38.97	7.87	449.03	444.00	5.03	89.251	
1,200.00	1,199.35	655.00	654.77	3.99	1.94	14.028	38.97	7.87	548.93	543.84	5.09	107.894	
1,300.00	1,299.11	655.00	654.77	4.34	1.94	14.541	38.97	7.87	648.86	643.71	5.15	126.032	
1,400.00	1,398.86	655.00	654.77	4.69	1.94	14.958	38.97	7.87	748.80	743.59	5.21	143.638	
1,401.14	1,400.00	655.00	654.77	4.70	1.94	14.962	38.97	7.87	749.94	744.73	5.21	143.837	
1,500.00	1,498.72	655.00	654.77	5.04	1.94	15.225	38.97	7.87	848.70	843.42	5.28	160.728	
1,600.00	1,598.70	655.00	654.77	5.39	1.94	15.308	38.97	7.87	948.44	943.09	5.35	177.283	
1,601.14	1,599.84	655.00	654.77	5.40	1.94	15.308	38.97	7.87	949.57	944.22	5.35	177.469	
1,700.00	1,698.70	655.00	654.77	5.74	1.94	15.308	38.97	7.87	1,048.10	1,042.68	5.42	193.208	
1,800.00	1,798.70	655.00	654.77	6.09	1.94	15.308	38.97	7.87	1,147.82	1,142.32	5.51	208.502	
1,900.00	1,898.70	655.00	654.77	6.44	1.94	15.308	38.97	7.87	1,247.59	1,242.00	5.59	223.235	
2,000.00	1,998.70	655.00	654.77	6.80	1.94	15.308	38.97	7.87	1,347.39	1,341.72	5.68	237.407	
2,100.00	2,098.70	655.00	654.77	7.15	1.94	15.308	38.97	7.87	1,447.22	1,441.46	5.77	251.022	
2,200.00	2,198.70	655.00	654.77	7.50	1.94	15.308	38.97	7.87	1,547.07	1,541.22	5.86	264.086	
2,300.00	2,298.70	655.00	654.77	7.85	1.94	15.308	38.97	7.87	1,646.94	1,640.99	5.95	276.606	
2,400.00	2,398.70	655.00	654.77	8.21	1.94	15.308	38.97	7.87	1,746.83	1,740.78	6.05	288.593	
2,500.00	2,498.70	655.00	654.77	8.56	1.94	15.308	38.97	7.87	1,846.73	1,840.57	6.15	300.057	
2,600.00	2,598.70	655.00	654.77	8.92	1.94	15.308	38.97	7.87	1,946.63	1,940.37	6.26	311.009	
2,700.00	2,698.70	655.00	654.77	9.27	1.94	15.308	38.97	7.87	2,046.55	2,040.18	6.37	321.463	
2,800.00	2,798.70	655.00	654.77	9.63	1.94	15.308	38.97	7.87	2,146.47	2,140.00	6.48	331.431	
2,900.00	2,898.70	655.00	654.77	9.98	1.94	15.308	38.97	7.87	2,246.41	2,239.82	6.59	340.927	
3,000.00	2,998.70	655.00	654.77	10.34	1.94	15.308	38.97	7.87	2,346.34	2,339.64	6.70	349.964	
3,100.00	3,098.70	655.00	654.77	10.69	1.94	15.308	38.97	7.87	2,446.28	2,439.46	6.82	358.556	
3,200.00	3,198.70	655.00	654.77	11.05	1.94	15.308	38.97	7.87	2,546.23	2,539.29	6.94	366.716	
3,300.00	3,298.70	655.00	654.77	11.40	1.94	15.308	38.97	7.87	2,646.18	2,639.12	7.07	374.460	
3,400.00	3,398.70	655.00	654.77	11.76	1.94	15.308	38.97	7.87	2,746.14	2,738.94	7.19	381.799	
3,500.00	3,498.70	655.00	654.77	12.12	1.94	15.308	38.97	7.87	2,846.09	2,838.77	7.32	388.748	
3,600.00	3,598.70	655.00	654.77	12.47	1.94	15.308	38.97	7.87	2,946.05	2,938.60	7.45	395.320	
3,700.00	3,698.70	655.00	654.77	12.83	1.94	15.308	38.97	7.87	3,046.02	3,038.43	7.59	401.528	
3,800.00	3,798.70	655.00	654.77	13.19	1.94	15.308	38.97	7.87	3,145.98	3,138.26	7.72	407.385	
3,900.00	3,898.70	655.00	654.77	13.54	1.94	15.308	38.97	7.87	3,245.95	3,238.09	7.86	412.903	
4,000.00	3,998.70	655.00	654.77	13.90	1.94	15.308	38.97	7.87	3,345.92	3,337.92	8.00	418.094	
4,001.30	4,000.00	655.00	654.77	13.91	1.94	15.308	38.97	7.87	3,347.22	3,339.22	8.00	418.161	
4,100.00	4,098.68	655.00	654.77	14.25	1.94	15.386	38.97	7.87	3,445.91	3,437.76	8.15	422.972	
4,200.00	4,198.54	655.00	654.77	14.58	1.94	15.607	38.97	7.87	3,545.87	3,537.58	8.29	427.570	
4,300.00	4,298.16	655.00	654.77	14.92	1.94	15.924	38.97	7.87	3,645.68	3,637.24	8.44	431.923	
4,400.00	4,397.41	655.00	654.77	15.27	1.94	16.283	38.97	7.87	3,745.23	3,736.64	8.59	436.033	
4,444.20	4,441.13	655.00	654.77	15.42	1.94	16.444	38.97	7.87	3,789.13	3,780.47	8.65	437.812	
4,500.00	4,496.27	655.00	654.77	15.61	1.94	16.631	38.97	7.87	3,844.51	3,835.77	8.74	439.885	
4,600.00	4,595.08	655.00	654.77	15.96	1.94	16.910	38.97	7.87	3,943.78	3,934.88	8.90	443.335	
4,700.00	4,693.89	655.00	654.77	16.32	1.94	17.133	38.97	7.87	4,043.08	4,034.03	9.05	446.543	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (203H, 204H) - Simon Camamile 0206 Fed Com 204Y - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.00	4,792.69	655.00	654.77	16.68	1.94	17.315	38.97	7.87	4,142.43	4,133.21	9.22	449.518	
4,900.00	4,891.50	655.00	654.77	17.04	1.94	17.468	38.97	7.87	4,241.80	4,232.42	9.38	452.268	
5,000.00	4,990.31	655.00	654.77	17.40	1.94	17.597	38.97	7.87	4,341.20	4,331.65	9.55	454.803	
5,100.00	5,089.11	655.00	654.77	17.76	1.94	17.708	38.97	7.87	4,440.63	4,430.91	9.71	457.131	
5,200.00	5,187.92	655.00	654.77	18.13	1.94	17.804	38.97	7.87	4,540.08	4,530.19	9.89	459.261	
5,300.00	5,286.73	655.00	654.77	18.50	1.94	17.888	38.97	7.87	4,639.55	4,629.49	10.06	461.201	
5,400.00	5,385.54	655.00	654.77	18.87	1.94	17.962	38.97	7.87	4,739.05	4,728.82	10.24	462.957	
5,500.00	5,484.34	655.00	654.77	19.25	1.94	18.028	38.97	7.87	4,838.57	4,828.16	10.42	464.539	
5,600.00	5,583.15	655.00	654.77	19.62	1.94	18.087	38.97	7.87	4,938.11	4,927.51	10.60	465.952	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	38.13	38.13	0.00	0.06	166.037	-2,219.42	551.85	2,286.99				
100.00	100.00	138.46	138.46	0.13	0.21	166.036	-2,219.39	551.89	2,286.98	2,286.65	0.34	6,803.785	
138.00	138.00	176.00	176.00	0.26	0.26	166.035	-2,219.38	551.91	2,286.97	2,286.44	0.53	4,325.281	
200.00	200.00	216.85	216.85	0.49	0.41	166.035	-2,219.61	551.96	2,287.31	2,286.41	0.89	2,558.532	
300.00	300.00	329.12	329.11	0.85	0.80	166.020	-2,220.26	552.74	2,288.04	2,286.40	1.65	1,388.537	
400.00	400.00	455.88	455.86	1.20	1.26	165.970	-2,219.52	554.60	2,287.83	2,285.38	2.46	930.653	
500.00	500.00	581.29	581.17	1.56	1.70	165.858	-2,216.81	558.54	2,286.50	2,283.24	3.26	700.504	
600.00	600.00	702.28	702.01	1.92	2.14	165.721	-2,213.01	563.22	2,284.45	2,280.40	4.06	563.108	
700.00	700.00	872.92	872.43	2.28	2.74	165.648	-2,204.98	564.18	2,279.97	2,274.96	5.01	454.724	
800.00	800.00	1,052.89	1,051.80	2.64	3.37	165.757	-2,192.74	556.61	2,272.37	2,266.38	5.99	379.404	
900.00	899.98	1,138.06	1,136.52	2.98	3.67	165.830	-2,186.09	550.98	2,261.73	2,255.10	6.63	341.111	
1,000.00	999.84	1,208.00	1,206.14	3.31	3.92	165.844	-2,181.39	546.28	2,249.21	2,242.00	7.21	311.917	
1,100.00	1,099.59	1,249.83	1,247.83	3.65	4.07	165.800	-2,179.37	543.59	2,237.17	2,229.48	7.70	290.672	
1,200.00	1,199.35	1,300.00	1,297.91	3.99	4.25	165.768	-2,178.39	540.68	2,227.77	2,219.56	8.21	271.283	
1,300.00	1,299.11	1,396.35	1,394.07	4.34	4.58	165.817	-2,177.77	534.64	2,219.77	2,210.87	8.89	249.680	
1,400.00	1,398.86	1,503.41	1,500.86	4.69	4.96	165.900	-2,176.66	527.11	2,211.20	2,201.58	9.61	230.004	
1,401.14	1,400.00	1,504.59	1,502.03	4.70	4.96	165.901	-2,176.64	527.03	2,211.10	2,201.47	9.62	229.800	
1,500.00	1,498.72	1,603.80	1,601.00	5.04	5.31	165.993	-2,175.35	520.13	2,203.82	2,193.51	10.32	213.617	
1,600.00	1,598.70	1,695.66	1,692.66	5.39	5.64	166.106	-2,174.21	514.36	2,199.61	2,188.61	10.99	200.111	
1,601.14	1,599.84	1,696.71	1,693.71	5.40	5.64	166.107	-2,174.20	514.30	2,199.58	2,188.58	11.00	199.968	
1,700.00	1,698.70	1,805.91	1,802.70	5.74	6.03	166.269	-2,172.83	507.57	2,196.92	2,185.19	11.73	187.214	
1,800.00	1,798.70	1,904.00	1,900.46	6.09	6.39	166.463	-2,171.76	499.67	2,193.95	2,181.51	12.44	176.365	
1,900.00	1,898.70	1,972.86	1,969.11	6.44	6.64	166.596	-2,171.48	494.36	2,191.76	2,178.72	13.04	168.057	
1,985.19	1,983.89	2,025.73	2,021.89	6.74	6.82	166.676	-2,171.76	491.28	2,191.08	2,177.55	13.53	161.948	
2,000.00	1,998.70	2,034.11	2,030.26	6.80	6.85	166.686	-2,171.86	490.91	2,191.10	2,177.49	13.61	160.983	
2,100.00	2,098.70	2,094.00	2,090.12	7.15	7.06	166.733	-2,173.05	489.36	2,192.39	2,178.22	14.17	154.735	
2,200.00	2,198.70	2,177.45	2,173.54	7.50	7.34	166.738	-2,175.23	489.67	2,195.00	2,180.20	14.80	148.306	
2,300.00	2,298.70	2,290.92	2,286.94	7.85	7.72	166.676	-2,177.57	492.69	2,197.62	2,182.08	15.54	141.438	
2,400.00	2,398.70	2,391.15	2,387.09	8.21	8.06	166.592	-2,179.04	496.35	2,199.89	2,183.66	16.23	135.540	
2,500.00	2,498.70	2,497.44	2,493.29	8.56	8.42	166.487	-2,180.31	500.79	2,202.03	2,185.08	16.95	129.932	
2,600.00	2,598.70	2,607.05	2,602.81	8.92	8.79	166.384	-2,181.23	505.07	2,203.76	2,186.08	17.68	124.654	
2,700.00	2,698.70	2,715.84	2,711.53	9.27	9.17	166.295	-2,181.86	508.74	2,205.12	2,186.71	18.41	119.779	
2,800.00	2,798.70	2,822.85	2,818.47	9.63	9.54	166.195	-2,181.94	512.72	2,206.08	2,186.94	19.14	115.281	
2,900.00	2,898.70	2,916.73	2,912.25	9.98	9.86	166.087	-2,181.76	516.98	2,206.99	2,187.17	19.82	111.364	
3,000.00	2,998.70	3,087.78	3,083.23	10.34	10.46	166.014	-2,180.45	519.56	2,206.69	2,185.92	20.77	106.240	
3,100.00	3,098.70	3,199.50	3,194.90	10.69	10.85	166.063	-2,178.09	517.03	2,204.07	2,182.55	21.52	102.429	
3,200.00	3,198.70	3,284.40	3,279.75	11.05	11.15	166.104	-2,176.51	514.99	2,201.70	2,179.53	22.18	99.286	
3,300.00	3,298.70	3,385.82	3,381.14	11.40	11.51	166.164	-2,175.29	512.34	2,199.91	2,177.02	22.89	96.113	
3,400.00	3,398.70	3,479.47	3,474.75	11.76	11.84	166.217	-2,173.96	509.92	2,197.92	2,174.34	23.58	93.227	
3,500.00	3,498.70	3,575.06	3,570.30	12.12	12.18	166.263	-2,172.93	507.82	2,196.34	2,172.07	24.27	90.495	
3,600.00	3,598.70	3,690.81	3,686.01	12.47	12.58	166.321	-2,171.42	505.20	2,194.55	2,169.52	25.03	87.664	
3,700.00	3,698.70	3,777.98	3,773.16	12.83	12.89	166.363	-2,170.12	503.21	2,192.58	2,166.87	25.70	85.312	
3,800.00	3,798.70	3,889.97	3,885.11	13.19	13.29	166.415	-2,168.55	500.81	2,190.71	2,164.26	26.45	82.818	
3,900.00	3,898.70	4,006.52	4,001.61	13.54	13.70	166.452	-2,166.12	498.75	2,188.30	2,161.08	27.22	80.397	
4,000.00	3,998.70	4,112.43	4,107.45	13.90	14.08	166.484	-2,162.98	496.74	2,184.95	2,157.00	27.95	78.173	
4,001.30	4,000.00	4,113.48	4,108.51	13.91	14.08	166.485	-2,162.95	496.71	2,184.91	2,156.95	27.96	78.148	
4,100.00	4,098.68	4,319.81	4,314.33	14.25	14.82	166.707	-2,155.74	485.37	2,179.95	2,150.97	28.98	75.233	
4,200.00	4,198.54	4,496.49	4,489.21	14.58	15.48	167.082	-2,141.59	464.71	2,164.64	2,134.77	29.87	72.468	
4,300.00	4,298.16	4,662.48	4,652.70	14.92	16.10	167.471	-2,125.07	441.41	2,144.72	2,114.01	30.72	69.827	
4,400.00	4,397.41	4,761.42	4,749.57	15.27	16.48	167.673	-2,113.78	424.78	2,119.70	2,088.28	31.41	67.476	
4,444.20	4,441.13	4,797.32	4,784.73	15.42	16.62	167.720	-2,109.77	418.70	2,107.83	2,076.12	31.71	66.476	
4,500.00	4,496.27	4,859.06	4,845.22	15.61	16.86	167.835	-2,102.98	408.38	2,092.63	2,060.52	32.11	65.168	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,600.00	4,595.08	5,034.79	5,016.54	15.96	17.56	168.340	-2,079.78	376.94	2,062.97	2,030.02	32.94	62.619	
4,700.00	4,693.89	5,097.61	5,077.74	16.32	17.81	168.374	-2,070.99	365.86	2,032.59	1,999.00	33.59	60.509	
4,800.00	4,792.69	5,178.50	5,156.77	16.68	18.14	168.466	-2,060.19	352.33	2,003.13	1,968.86	34.27	58.455	
4,900.00	4,891.50	5,258.71	5,235.27	17.04	18.46	168.544	-2,049.88	339.51	1,974.33	1,939.39	34.95	56.497	
5,000.00	4,990.31	5,392.82	5,366.51	17.40	19.00	168.836	-2,032.62	318.05	1,945.72	1,910.01	35.71	54.485	
5,100.00	5,089.11	5,527.32	5,496.97	17.76	19.56	169.241	-2,012.17	292.55	1,913.93	1,877.46	36.47	52.475	
5,200.00	5,187.92	5,612.44	5,579.49	18.13	19.92	169.419	-1,998.94	276.38	1,882.01	1,844.84	37.18	50.622	
5,300.00	5,286.73	5,698.67	5,663.22	18.50	20.29	169.592	-1,985.76	260.55	1,850.50	1,812.61	37.89	48.843	
5,400.00	5,385.54	5,772.00	5,734.59	18.87	20.60	169.693	-1,974.92	247.64	1,819.67	1,781.09	38.58	47.163	
5,500.00	5,484.34	5,858.20	5,818.69	19.25	20.96	169.840	-1,962.76	233.13	1,789.64	1,750.34	39.29	45.544	
5,600.00	5,583.15	5,937.17	5,895.92	19.62	21.29	169.941	-1,952.23	220.47	1,760.49	1,720.49	40.00	44.013	
5,700.00	5,681.96	6,019.58	5,976.64	20.00	21.64	170.057	-1,941.93	207.49	1,732.19	1,691.48	40.71	42.549	
5,800.00	5,780.77	6,101.53	6,056.86	20.38	21.98	170.209	-1,932.47	193.66	1,704.62	1,663.19	41.42	41.150	
5,900.00	5,879.57	6,185.91	6,139.48	20.76	22.34	170.397	-1,923.53	179.02	1,677.88	1,635.73	42.15	39.811	
6,000.00	5,978.38	6,269.33	6,221.26	21.14	22.69	170.575	-1,915.06	164.91	1,651.70	1,608.84	42.87	38.531	
6,100.00	6,077.19	6,350.81	6,301.35	21.53	23.03	170.727	-1,907.68	151.87	1,626.71	1,583.12	43.58	37.324	
6,200.00	6,175.99	6,475.72	6,423.80	21.91	23.55	171.142	-1,895.01	130.75	1,600.42	1,556.05	44.37	36.068	
6,300.00	6,274.80	6,546.74	6,493.50	22.30	23.85	171.258	-1,887.86	119.10	1,574.57	1,529.48	45.08	34.927	
6,400.00	6,373.61	6,620.00	6,565.82	22.69	24.15	171.337	-1,882.36	108.82	1,551.24	1,505.45	45.78	33.881	
6,500.00	6,472.42	6,705.69	6,650.49	23.07	24.50	171.479	-1,876.88	96.87	1,529.15	1,482.65	46.51	32.880	
6,587.49	6,558.87	6,792.48	6,735.93	23.41	24.85	171.736	-1,870.93	82.85	1,509.26	1,462.09	47.17	31.997	
6,600.00	6,571.23	6,804.57	6,747.82	23.46	24.90	171.776	-1,870.11	80.79	1,506.44	1,459.18	47.26	31.874	
6,700.00	6,670.34	6,927.93	6,868.70	23.85	25.43	172.375	-1,861.42	57.80	1,485.17	1,437.09	48.07	30.893	
6,800.00	6,769.86	7,037.19	6,975.11	24.22	25.90	173.030	-1,851.23	35.22	1,464.35	1,415.48	48.86	29.967	
6,900.00	6,869.66	7,109.68	7,046.07	24.58	26.22	173.433	-1,845.64	21.51	1,448.57	1,398.97	49.60	29.207	
7,000.00	6,969.61	7,325.94	7,256.27	24.93	27.18	175.020	-1,820.32	-21.94	1,431.58	1,381.12	50.46	28.371	
7,030.39	7,000.00	7,348.30	7,277.90	25.04	27.28	175.190	-1,816.94	-26.48	1,426.24	1,375.55	50.70	28.132	
7,100.00	7,069.61	7,395.24	7,323.45	25.27	27.49	175.538	-1,810.20	-35.58	1,415.03	1,363.79	51.24	27.616	
7,200.00	7,169.61	7,465.00	7,391.68	25.61	27.80	175.990	-1,801.54	-47.24	1,401.11	1,349.11	52.00	26.945	
7,300.00	7,269.61	7,526.59	7,452.31	25.94	28.06	176.335	-1,795.17	-56.03	1,389.58	1,336.86	52.72	26.355	
7,400.00	7,369.61	7,597.07	7,521.96	26.28	28.34	176.690	-1,789.17	-64.95	1,380.24	1,326.81	53.43	25.831	
7,500.00	7,469.61	7,670.66	7,594.94	26.62	28.64	177.014	-1,784.31	-73.00	1,372.98	1,318.85	54.13	25.366	
7,600.00	7,569.61	7,746.00	7,669.85	26.96	28.93	177.300	-1,780.34	-80.03	1,367.31	1,312.51	54.80	24.949	
7,700.00	7,669.61	7,825.71	7,749.29	27.30	29.22	177.537	-1,777.35	-85.82	1,363.28	1,307.81	55.47	24.577	
7,800.00	7,769.61	7,905.72	7,829.18	27.64	29.50	177.705	-1,775.71	-89.89	1,361.00	1,304.88	56.12	24.253	
7,900.00	7,869.61	8,005.71	7,929.09	27.98	29.85	177.863	-1,774.51	-93.69	1,359.66	1,302.84	56.82	23.929	
8,000.00	7,969.61	8,099.87	8,023.18	28.32	30.18	177.998	-1,773.22	-96.93	1,358.17	1,300.67	57.50	23.620	
8,100.00	8,069.61	8,192.47	8,115.74	28.66	30.50	178.115	-1,772.54	-99.71	1,357.33	1,299.15	58.17	23.332	
8,200.00	8,169.61	8,289.32	8,212.56	29.00	30.83	178.207	-1,772.17	-101.91	1,356.88	1,298.02	58.86	23.054	
8,300.00	8,269.61	8,384.65	8,307.87	29.34	31.15	178.291	-1,772.03	-103.92	1,356.66	1,297.13	59.53	22.788	
8,400.00	8,369.61	8,511.07	8,434.23	29.68	31.58	178.437	-1,771.15	-107.38	1,355.95	1,295.63	60.32	22.480	
8,500.00	8,469.61	8,614.50	8,537.56	30.02	31.94	178.614	-1,769.14	-111.64	1,353.90	1,292.86	61.04	22.182	
8,600.00	8,569.61	8,706.67	8,629.67	30.37	32.26	178.711	-1,767.21	-113.96	1,351.77	1,290.05	61.71	21.904	
8,670.65	8,640.26	8,755.26	8,678.25	30.61	32.43	178.746	-1,766.83	-114.80	1,351.19	1,289.06	62.13	21.749	
8,700.00	8,669.61	8,784.00	8,706.99	30.71	32.52	178.768	-1,766.98	-115.32	1,351.33	1,289.00	62.33	21.681	
8,800.00	8,769.61	8,871.60	8,794.58	31.05	32.80	178.769	-1,767.83	-115.33	1,352.24	1,289.28	62.96	21.479	
8,900.00	8,869.61	8,976.45	8,899.38	31.40	33.12	178.639	-1,768.59	-112.23	1,353.03	1,289.40	63.63	21.264	
9,000.00	8,969.61	9,079.84	9,002.70	31.74	33.44	178.478	-1,769.00	-108.42	1,353.52	1,289.22	64.30	21.051	
9,100.00	9,069.61	9,182.04	9,104.85	32.09	33.76	178.354	-1,769.15	-105.48	1,353.74	1,288.78	64.96	20.838	
9,200.00	9,169.61	9,270.00	9,192.79	32.43	34.03	178.271	-1,769.44	-103.52	1,354.17	1,288.58	65.58	20.648	
9,224.94	9,194.55	9,293.26	9,216.04	32.52	34.11	178.250	-1,769.63	-103.02	1,354.40	1,288.65	65.74	20.601	
9,250.00	9,219.60	9,311.60	9,234.38	32.60	34.16	178.255	-1,769.89	-102.57	1,354.75	1,288.87	65.88	20.563	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,300.00	9,269.40	9,348.11	9,270.87	32.77	34.27	178.398	-1,770.66	-101.58	1,355.72	1,289.57	66.15	20.494	
9,350.00	9,318.62	9,595.45	9,505.52	32.93	34.91	175.952	-1,758.04	-35.81	1,353.66	1,286.96	66.70	20.295	
9,400.00	9,366.90	9,632.67	9,536.90	33.08	34.98	175.661	-1,753.32	-16.37	1,347.71	1,280.71	67.00	20.116	
9,450.00	9,413.87	9,667.40	9,565.12	33.23	35.05	175.532	-1,749.18	3.45	1,342.12	1,274.83	67.29	19.946	
9,500.00	9,459.17	9,700.69	9,591.42	33.37	35.11	175.565	-1,745.56	23.53	1,337.00	1,269.43	67.57	19.788	
9,550.00	9,502.45	9,742.00	9,623.04	33.49	35.19	175.497	-1,741.58	49.80	1,332.40	1,264.56	67.84	19.642	
9,600.00	9,543.39	9,768.53	9,642.57	33.61	35.24	175.957	-1,739.31	67.61	1,328.20	1,260.11	68.10	19.505	
9,650.00	9,581.68	9,803.13	9,666.79	33.71	35.30	176.277	-1,736.65	92.16	1,324.50	1,256.15	68.36	19.376	
9,700.00	9,617.02	9,836.00	9,688.42	33.79	35.36	176.734	-1,734.45	116.81	1,321.29	1,252.67	68.62	19.256	
9,750.00	9,649.14	9,884.05	9,717.27	33.87	35.47	176.727	-1,731.52	155.10	1,318.33	1,249.40	68.93	19.126	
9,800.00	9,677.81	9,930.00	9,741.46	33.96	35.57	176.806	-1,728.81	194.06	1,315.48	1,246.22	69.25	18.996	
9,850.00	9,702.80	9,982.23	9,764.63	34.15	35.71	176.651	-1,725.71	240.75	1,312.59	1,242.96	69.64	18.849	
9,900.00	9,723.92	10,024.00	9,779.68	34.38	35.82	176.926	-1,723.13	279.61	1,309.62	1,239.60	70.01	18.705	
9,950.00	9,741.01	10,024.00	9,779.68	34.63	35.82	178.981	-1,723.13	279.61	1,307.88	1,237.58	70.30	18.605	
10,000.00	9,753.94	10,070.21	9,793.36	34.90	35.99	179.164	-1,721.35	323.70	1,306.09	1,235.32	70.78	18.454	
10,029.98	9,759.65	10,082.80	9,796.67	35.08	36.04	179.922	-1,721.25	335.85	1,305.90	1,234.88	71.02	18.387	
10,050.00	9,762.61	10,118.00	9,804.92	35.20	36.18	179.290	-1,721.86	370.06	1,306.64	1,235.36	71.28	18.330	
10,064.88	9,764.36	10,118.00	9,804.92	35.30	36.18	179.938	-1,721.86	370.06	1,306.55	1,235.16	71.39	18.302	
10,100.00	9,766.96	10,118.00	9,804.92	35.53	36.18	-178.527	-1,721.86	370.06	1,307.03	1,235.39	71.64	18.245	
10,120.94	9,767.49	10,213.81	9,818.24	35.67	36.65	178.237	-1,722.01	464.82	1,307.46	1,235.23	72.23	18.102	
10,200.00	9,768.04	10,293.36	9,821.82	36.25	37.12	178.217	-1,719.52	544.25	1,305.11	1,231.82	73.29	17.807	
10,300.00	9,768.74	10,361.87	9,823.93	37.10	37.60	179.602	-1,718.03	612.71	1,303.17	1,228.51	74.66	17.456	
10,319.97	9,768.88	10,374.62	9,824.58	37.30	37.69	179.920	-1,717.97	625.44	1,303.11	1,228.16	74.95	17.387	
10,400.00	9,769.44	10,446.88	9,829.25	38.08	38.28	-179.732	-1,718.34	697.55	1,303.66	1,227.34	76.32	17.081	
10,500.00	9,770.14	10,545.68	9,835.22	39.16	39.19	-179.671	-1,718.46	796.16	1,304.01	1,225.70	78.31	16.652	
10,600.00	9,770.84	10,644.44	9,837.71	40.35	40.20	-179.616	-1,719.26	894.89	1,304.99	1,224.48	80.50	16.210	
10,700.00	9,771.53	10,746.73	9,838.99	41.64	41.35	-179.716	-1,719.71	997.17	1,305.56	1,222.63	82.93	15.743	
10,800.00	9,772.23	10,847.55	9,840.44	43.00	42.58	-179.752	-1,720.18	1,097.98	1,306.18	1,220.65	85.52	15.273	
10,900.00	9,772.93	10,944.43	9,842.37	44.45	43.85	-179.614	-1,720.62	1,194.84	1,306.80	1,218.56	88.24	14.810	
11,000.00	9,773.63	11,044.74	9,845.38	45.97	45.24	-179.626	-1,721.26	1,295.10	1,307.61	1,216.46	91.15	14.346	
11,100.00	9,774.33	11,146.82	9,849.92	47.55	46.75	-179.713	-1,721.72	1,397.07	1,308.30	1,214.08	94.22	13.885	
11,196.60	9,775.00	11,241.25	9,852.40	49.14	48.19	-179.616	-1,722.19	1,491.46	1,308.96	1,211.71	97.25	13.460	
11,200.00	9,775.03	11,244.57	9,852.39	49.19	48.24	-179.613	-1,722.22	1,494.78	1,308.99	1,211.63	97.36	13.445	
11,226.67	9,775.37	11,271.74	9,852.26	49.64	48.67	-179.635	-1,722.40	1,521.95	1,309.19	1,210.96	98.23	13.327	
11,300.00	9,776.65	11,347.09	9,851.55	50.89	49.87	-179.724	-1,722.84	1,597.30	1,309.65	1,208.98	100.68	13.008	
11,400.00	9,778.40	11,449.52	9,850.69	52.63	51.55	-179.830	-1,723.27	1,699.72	1,310.13	1,206.03	104.11	12.585	
11,500.00	9,780.14	11,553.87	9,852.11	54.42	53.32	179.979	-1,723.38	1,804.05	1,310.35	1,202.69	107.66	12.171	
11,600.00	9,781.89	11,661.11	9,854.23	56.24	55.20	179.663	-1,723.04	1,911.28	1,310.17	1,198.82	111.35	11.766	
11,700.00	9,783.64	11,770.24	9,856.55	58.10	57.15	179.264	-1,721.92	2,020.37	1,309.29	1,194.13	115.16	11.370	
11,800.00	9,785.39	11,876.15	9,859.38	59.99	59.09	179.005	-1,720.22	2,126.23	1,307.84	1,188.86	118.97	10.993	
11,900.00	9,787.14	11,987.75	9,862.58	61.91	61.16	178.497	-1,717.77	2,237.75	1,305.81	1,182.86	122.95	10.621	
12,000.00	9,788.88	12,068.45	9,864.69	63.86	62.69	179.345	-1,716.08	2,318.41	1,303.89	1,177.44	126.45	10.312	
12,100.00	9,790.63	12,155.34	9,867.20	65.83	64.36	179.922	-1,715.56	2,405.27	1,303.43	1,173.35	130.09	10.020	
12,108.64	9,790.78	12,163.21	9,867.45	66.00	64.51	179.956	-1,715.54	2,413.12	1,303.43	1,173.02	130.41	9.995	
12,200.00	9,792.38	12,250.65	9,870.35	67.82	66.21	-179.870	-1,715.56	2,500.52	1,303.61	1,169.68	133.93	9.734	
12,300.00	9,794.13	12,351.38	9,874.16	69.83	68.19	-179.900	-1,715.68	2,601.18	1,303.92	1,166.01	137.91	9.455	
12,400.00	9,795.87	12,455.49	9,878.75	71.86	70.26	179.923	-1,715.57	2,705.19	1,304.03	1,162.03	142.00	9.183	
12,500.00	9,797.62	12,555.74	9,883.91	73.91	72.27	179.917	-1,715.22	2,805.31	1,303.94	1,157.89	146.05	8.928	
12,516.54	9,797.91	12,571.03	9,884.75	74.25	72.58	179.973	-1,715.17	2,820.57	1,303.93	1,157.23	146.70	8.889	
12,600.00	9,799.37	12,642.21	9,887.56	75.97	74.02	-179.485	-1,715.37	2,891.69	1,304.33	1,154.48	149.85	8.704	
12,700.00	9,801.12	12,740.48	9,890.15	78.05	76.02	-179.408	-1,716.31	2,989.92	1,305.46	1,151.54	153.92	8.481	
12,800.00	9,802.86	12,835.45	9,894.61	80.14	77.97	-179.184	-1,717.27	3,084.78	1,306.71	1,148.77	157.95	8.273	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,900.00	9,804.61	12,943.99	9,899.38	82.24	80.21	-179.554	-1,718.33	3,193.20	1,307.94	1,145.65	162.29	8.059	
13,000.00	9,806.36	13,017.24	9,900.40	84.35	81.73	-178.383	-1,719.63	3,266.43	1,309.81	1,143.94	165.87	7.896	
13,100.00	9,808.11	13,124.51	9,899.88	86.48	83.97	-178.703	-1,722.70	3,373.65	1,312.73	1,142.47	170.26	7.710	
13,200.00	9,809.86	13,231.30	9,897.69	88.61	86.21	-179.000	-1,724.93	3,480.40	1,314.79	1,140.13	174.67	7.527	
13,300.00	9,811.60	13,340.80	9,897.20	90.75	88.52	-179.415	-1,726.38	3,589.88	1,316.16	1,137.02	179.14	7.347	
13,400.00	9,813.35	13,440.98	9,898.46	92.90	90.65	-179.424	-1,727.31	3,690.05	1,317.19	1,133.78	183.42	7.181	
13,500.00	9,815.10	13,554.85	9,900.20	95.06	93.08	179.973	-1,728.17	3,803.90	1,318.11	1,130.10	188.01	7.011	
13,600.00	9,816.85	13,674.29	9,897.80	97.22	95.63	179.128	-1,727.13	3,923.30	1,317.22	1,124.50	192.72	6.835	
13,700.00	9,818.59	13,781.89	9,897.07	99.40	97.94	178.795	-1,725.17	4,030.89	1,315.45	1,118.26	197.19	6.671	
13,800.00	9,820.34	13,879.00	9,899.26	101.58	100.03	178.922	-1,723.06	4,127.94	1,313.42	1,111.95	201.47	6.519	
13,900.00	9,822.09	13,960.00	9,901.33	103.76	101.78	179.751	-1,722.25	4,208.91	1,312.53	1,107.10	205.43	6.389	
14,000.00	9,823.84	14,072.63	9,904.03	105.95	104.23	179.200	-1,721.41	4,321.50	1,311.96	1,101.92	210.04	6.246	
14,100.00	9,825.58	14,195.26	9,905.76	108.15	106.89	178.210	-1,718.62	4,444.07	1,309.81	1,094.98	214.83	6.097	
14,200.00	9,827.33	14,313.19	9,900.40	110.35	109.46	177.426	-1,714.19	4,561.79	1,305.98	1,086.47	219.52	5.949	
14,300.00	9,829.08	14,413.69	9,894.21	112.55	111.64	177.408	-1,709.72	4,662.00	1,301.47	1,077.55	223.92	5.812	
14,400.00	9,830.83	14,490.56	9,889.54	114.76	113.32	178.431	-1,706.90	4,738.67	1,297.81	1,069.87	227.95	5.693	
14,500.00	9,832.58	14,560.29	9,886.39	116.97	114.85	179.770	-1,705.79	4,808.32	1,296.29	1,064.53	231.76	5.593	
14,511.53	9,832.78	14,568.03	9,886.24	117.23	115.02	179.938	-1,705.78	4,816.06	1,296.27	1,064.08	232.19	5.583	
14,600.00	9,834.32	14,630.53	9,886.78	119.19	116.39	-178.915	-1,706.42	4,878.55	1,297.25	1,061.76	235.48	5.509	
14,700.00	9,836.07	14,720.44	9,890.17	121.41	118.37	-178.469	-1,708.46	4,968.37	1,299.67	1,060.03	239.64	5.423	
14,800.00	9,837.82	14,822.02	9,893.29	123.64	120.62	-178.539	-1,711.11	5,069.86	1,302.43	1,058.31	244.12	5.335	
14,900.00	9,839.57	14,934.22	9,894.94	125.86	123.10	-179.076	-1,713.54	5,182.02	1,304.73	1,055.85	248.88	5.242	
15,000.00	9,841.31	15,048.32	9,898.44	128.10	125.63	-179.694	-1,714.55	5,296.06	1,305.74	1,052.07	253.67	5.147	
15,100.00	9,843.06	15,159.23	9,900.04	130.33	128.10	179.828	-1,714.73	5,406.96	1,306.04	1,047.67	258.37	5.055	
15,142.67	9,843.81	15,199.33	9,900.04	131.28	128.99	179.940	-1,714.58	5,447.05	1,305.93	1,045.71	260.22	5.019	
15,200.00	9,844.81	15,242.18	9,900.12	132.57	129.94	-179.425	-1,714.78	5,489.91	1,306.24	1,043.81	262.44	4.977	
15,300.00	9,846.56	15,330.08	9,900.65	134.81	131.90	-178.896	-1,716.30	5,577.79	1,308.06	1,041.45	266.60	4.906	
15,400.00	9,848.30	15,429.65	9,901.98	137.05	134.12	-178.878	-1,718.21	5,677.33	1,310.10	1,039.04	271.06	4.833	
15,500.00	9,850.05	15,526.00	9,906.97	139.29	136.27	-178.714	-1,720.13	5,773.53	1,312.27	1,036.83	275.44	4.764	
15,600.00	9,851.80	15,622.68	9,914.00	141.54	138.43	-178.560	-1,722.33	5,869.92	1,314.77	1,034.95	279.82	4.699	
15,697.28	9,853.50	15,715.21	9,919.33	143.73	140.50	-178.349	-1,724.69	5,962.26	1,317.45	1,033.42	284.04	4.638	
15,700.00	9,853.55	15,717.76	9,919.44	143.79	140.56	-178.341	-1,724.76	5,964.81	1,317.54	1,033.38	284.16	4.637	
15,702.33	9,853.58	15,719.94	9,919.53	143.84	140.60	-178.335	-1,724.82	5,966.99	1,317.61	1,033.35	284.26	4.635	
15,800.00	9,855.12	15,805.95	9,922.26	146.04	142.53	-177.829	-1,727.57	6,052.91	1,320.90	1,032.60	288.30	4.582	
15,900.00	9,856.69	15,887.59	9,923.82	148.29	144.36	-177.039	-1,731.13	6,134.46	1,325.41	1,033.20	292.21	4.536	
16,000.00	9,858.26	15,972.03	9,924.45	150.55	146.26	-176.375	-1,736.10	6,218.75	1,331.38	1,035.19	296.18	4.495	
16,100.00	9,859.83	16,064.17	9,925.09	152.80	148.32	-176.048	-1,742.15	6,310.69	1,338.06	1,037.65	300.41	4.454	
16,200.00	9,861.41	16,254.91	9,928.51	155.06	152.61	-179.925	-1,750.77	6,501.12	1,343.66	1,036.05	307.60	4.368	
16,300.00	9,862.98	16,373.60	9,934.50	157.32	155.28	179.284	-1,749.14	6,619.63	1,342.36	1,029.88	312.48	4.296	
16,400.00	9,864.55	16,491.87	9,934.77	159.58	157.94	178.502	-1,746.54	6,737.87	1,340.21	1,022.89	317.32	4.223	
16,500.00	9,866.12	16,572.06	9,933.96	161.85	159.74	179.350	-1,744.37	6,818.02	1,337.75	1,016.26	321.49	4.161	
16,540.54	9,866.76	16,598.72	9,932.77	162.76	160.34	179.945	-1,744.25	6,844.65	1,337.56	1,014.52	323.03	4.141	
16,600.00	9,867.69	16,655.49	9,929.51	164.11	161.61	-179.935	-1,744.32	6,901.32	1,337.62	1,011.95	325.67	4.107	
16,700.00	9,869.26	16,767.01	9,922.30	166.38	164.12	179.581	-1,744.29	7,012.60	1,337.63	1,007.17	330.46	4.048	
16,800.00	9,870.84	16,859.93	9,917.45	168.64	166.22	179.889	-1,743.77	7,105.40	1,337.15	1,002.31	334.83	3.993	
16,808.95	9,870.98	16,867.88	9,917.10	168.85	166.40	179.932	-1,743.76	7,113.34	1,337.14	1,001.92	335.22	3.989	
16,900.00	9,872.41	16,944.32	9,914.31	170.91	168.12	-179.441	-1,744.08	7,189.73	1,337.62	998.63	339.00	3.946	
17,000.00	9,873.98	17,102.32	9,912.74	173.18	171.69	178.075	-1,742.75	7,347.68	1,337.11	992.45	344.65	3.880	
17,100.00	9,875.55	17,226.14	9,915.54	175.45	174.48	177.051	-1,737.27	7,471.34	1,332.77	983.31	349.46	3.814	
17,200.00	9,877.12	17,335.43	9,918.83	177.73	176.94	176.646	-1,731.22	7,580.42	1,327.35	973.29	354.06	3.749	
17,300.00	9,878.69	17,434.09	9,922.03	180.00	179.17	176.698	-1,725.44	7,678.85	1,321.63	963.06	358.58	3.686	
17,400.00	9,880.27	17,515.85	9,923.30	182.27	181.01	177.486	-1,721.24	7,760.49	1,316.63	953.70	362.93	3.628	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,500.00	9,881.84	17,621.31	9,923.24	184.55	183.39	177.243	-1,716.63	7,865.84	1,312.40	944.88	367.52	3.571	
17,600.00	9,883.41	17,719.88	9,924.97	186.83	185.62	177.301	-1,711.90	7,964.29	1,307.72	935.68	372.04	3.515	
17,700.00	9,884.98	17,821.44	9,928.57	189.10	187.92	177.230	-1,707.03	8,065.67	1,303.06	926.47	376.59	3.460	
17,800.00	9,886.55	17,912.00	9,931.97	191.38	189.97	177.644	-1,702.94	8,156.07	1,298.68	917.65	381.03	3.408	
17,900.00	9,888.12	17,977.88	9,933.70	193.66	191.46	179.149	-1,701.06	8,221.90	1,295.99	910.93	385.06	3.366	
17,959.83	9,889.06	18,018.86	9,934.49	195.03	192.39	179.983	-1,700.78	8,262.87	1,295.63	908.25	387.39	3.345	
18,000.00	9,889.69	18,049.50	9,934.87	195.94	193.09	-179.595	-1,700.88	8,293.50	1,295.82	906.84	388.98	3.331	
18,100.00	9,891.27	18,137.33	9,935.10	198.22	195.09	-179.058	-1,702.21	8,381.32	1,297.41	904.19	393.22	3.299	
18,197.59	9,892.80	18,251.55	9,934.84	200.45	197.69	-179.793	-1,703.48	8,495.53	1,298.63	900.53	398.10	3.262	
18,200.00	9,892.84	18,254.54	9,934.78	200.50	197.75	-179.819	-1,703.49	8,498.52	1,298.64	900.42	398.22	3.261	
18,212.67	9,893.00	18,270.26	9,934.37	200.79	198.11	-179.953	-1,703.52	8,514.24	1,298.68	899.81	398.87	3.256	
18,300.00	9,893.91	18,381.15	9,930.89	202.79	200.63	179.009	-1,702.62	8,625.07	1,298.09	894.75	403.34	3.218	
18,375.71	9,894.70	18,436.13	9,929.52	204.52	201.88	179.925	-1,702.10	8,680.02	1,297.47	891.11	406.36	3.193	
18,400.00	9,894.96	18,453.65	9,929.07	205.07	202.28	-179.776	-1,702.12	8,697.54	1,297.54	890.23	407.31	3.186	
18,500.00	9,896.00	18,543.34	9,926.64	207.35	204.32	-179.320	-1,703.03	8,787.19	1,298.67	887.07	411.60	3.155	
18,600.00	9,897.05	18,652.70	9,924.37	209.64	206.81	-179.732	-1,704.05	8,896.52	1,299.76	883.37	416.39	3.121	
18,700.00	9,898.09	18,759.07	9,925.43	211.92	209.24	179.988	-1,704.26	9,002.88	1,300.09	878.98	421.11	3.087	
18,800.00	9,899.14	18,854.79	9,928.23	214.21	211.42	-179.822	-1,704.43	9,098.56	1,300.38	874.80	425.58	3.056	
18,900.00	9,900.18	18,965.06	9,931.89	216.50	213.94	179.728	-1,704.25	9,208.77	1,300.33	869.93	430.39	3.021	
19,000.00	9,901.23	19,066.24	9,937.21	218.78	216.24	179.682	-1,703.92	9,309.80	1,300.12	865.12	434.99	2.989	
19,100.00	9,902.27	19,171.64	9,944.71	221.07	218.64	179.455	-1,702.73	9,414.93	1,299.10	859.43	439.68	2.955	
19,159.55	9,902.89	19,220.54	9,948.01	222.43	219.76	179.930	-1,702.46	9,463.72	1,298.86	856.69	442.16	2.937	
19,200.00	9,903.32	19,255.30	9,950.12	223.36	220.55	-179.816	-1,702.49	9,498.41	1,298.95	855.08	443.88	2.926	
19,300.00	9,904.36	19,351.27	9,954.49	225.65	222.74	-179.635	-1,703.17	9,594.28	1,299.81	851.46	448.34	2.899	
19,400.00	9,905.41	19,465.80	9,960.25	227.94	225.36	179.731	-1,702.95	9,708.66	1,299.76	846.51	453.25	2.868	
19,500.00	9,906.45	19,581.14	9,963.11	230.23	227.99	179.056	-1,701.96	9,823.95	1,299.08	840.96	458.12	2.836	
19,600.00	9,907.50	19,705.26	9,964.52	232.52	230.82	177.990	-1,698.70	9,948.02	1,296.58	833.54	463.04	2.800	
19,700.00	9,908.54	19,780.44	9,965.86	234.81	232.54	179.087	-1,696.81	10,023.16	1,294.19	826.95	467.25	2.770	
19,777.72	9,909.36	19,839.01	9,966.50	236.59	233.87	179.935	-1,696.30	10,081.72	1,293.61	823.20	470.41	2.750	
19,800.00	9,909.59	19,855.70	9,966.52	237.10	234.26	-179.817	-1,696.32	10,098.41	1,293.66	822.36	471.30	2.745	
19,900.00	9,910.63	19,951.67	9,965.39	239.39	236.45	-179.639	-1,697.16	10,194.38	1,294.62	818.84	475.78	2.721	
20,000.00	9,911.68	20,056.83	9,964.26	241.69	238.86	-179.867	-1,697.53	10,299.52	1,295.07	814.57	480.50	2.695	
20,100.00	9,912.72	20,155.44	9,966.48	243.98	241.11	-179.805	-1,697.76	10,398.10	1,295.45	810.40	485.04	2.671	
20,200.00	9,913.77	20,277.32	9,969.14	246.27	243.90	179.228	-1,697.29	10,519.96	1,295.24	805.14	490.09	2.643	
20,300.00	9,914.82	20,362.00	9,971.35	248.57	245.84	179.907	-1,696.92	10,604.60	1,294.89	800.54	494.35	2.619	
20,300.62	9,914.82	20,362.00	9,971.35	248.58	245.84	179.935	-1,696.92	10,604.60	1,294.89	800.53	494.37	2.619	
20,400.00	9,915.86	20,443.74	9,972.86	250.86	247.71	-179.284	-1,697.50	10,686.32	1,295.71	797.24	498.47	2.599	
20,500.00	9,916.91	20,558.16	9,975.47	253.16	250.33	-179.921	-1,698.40	10,800.70	1,296.67	793.24	503.43	2.576	
20,600.00	9,917.95	20,668.63	9,980.13	255.45	252.86	179.621	-1,697.87	10,911.08	1,296.35	788.12	508.23	2.551	
20,700.00	9,919.00	20,766.35	9,982.26	257.75	255.10	179.722	-1,697.37	11,008.77	1,295.99	783.23	512.76	2.527	
20,800.00	9,920.04	20,872.23	9,983.62	260.04	257.52	179.463	-1,696.55	11,114.63	1,295.34	777.88	517.46	2.503	
20,900.00	9,921.09	20,969.57	9,983.27	262.34	259.75	179.580	-1,695.63	11,211.96	1,294.50	772.50	522.00	2.480	
21,000.00	9,922.13	21,086.05	9,983.56	264.64	262.42	178.850	-1,694.55	11,328.43	1,293.77	766.87	526.89	2.455	
21,100.00	9,923.18	21,175.00	9,987.98	266.93	264.45	179.344	-1,692.65	11,417.25	1,291.88	760.61	531.27	2.432	
21,200.00	9,924.22	21,277.63	9,990.93	269.23	266.80	179.230	-1,691.79	11,519.82	1,291.23	755.34	535.89	2.410	
21,293.13	9,925.20	21,354.78	9,989.90	271.37	268.57	179.939	-1,690.93	11,596.96	1,290.32	750.48	539.84	2.390	
21,300.00	9,925.27	21,359.62	9,989.77	271.53	268.68	-179.970	-1,690.93	11,601.79	1,290.33	750.22	540.11	2.389	
21,400.00	9,926.31	21,473.79	9,988.52	273.82	271.30	179.402	-1,690.43	11,715.90	1,289.98	744.96	545.02	2.367	
21,500.00	9,927.36	21,592.45	9,991.57	276.12	274.01	178.575	-1,687.27	11,834.45	1,287.32	737.42	549.90	2.341	
21,600.00	9,928.40	21,701.68	9,991.93	278.42	276.51	178.162	-1,684.01	11,943.63	1,284.44	729.84	554.60	2.316	
21,700.00	9,929.45	21,795.23	9,988.79	280.72	278.65	178.450	-1,681.28	12,037.09	1,281.57	722.44	559.13	2.292	
21,800.00	9,930.49	21,897.31	9,982.79	283.02	280.98	178.364	-1,678.85	12,138.95	1,279.22	715.45	563.77	2.269	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 205H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
21,900.00	9,931.54	22,017.08	9,980.24	285.32	283.72	177.475	-1,674.20	12,258.60	1,275.39	706.86	568.52	2.243	
22,000.00	9,932.58	22,135.69	9,981.47	287.62	286.43	176.633	-1,668.29	12,377.04	1,270.56	697.43	573.13	2.217	
22,100.00	9,933.63	22,238.23	9,984.32	289.92	288.76	176.512	-1,662.05	12,479.35	1,264.61	686.91	577.70	2.189	
22,200.00	9,934.67	22,336.20	9,984.72	292.22	291.00	176.596	-1,656.17	12,577.15	1,258.73	676.45	582.28	2.162	
22,300.00	9,935.72	22,390.00	9,984.30	294.52	292.23	178.700	-1,652.98	12,630.85	1,253.75	667.15	586.60	2.137	
22,325.56	9,935.99	22,390.00	9,984.30	295.11	292.23	179.868	-1,652.98	12,630.85	1,253.47	666.17	587.29	2.134	CC, ES, SF

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 176-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	37.29	37.29	0.00	0.06	166.216	-2,249.43	551.85	2,316.13				
100.00	100.00	132.91	132.91	0.13	0.20	166.216	-2,249.59	551.88	2,316.30	2,315.98	0.33	7,063.001	
200.00	200.00	229.77	229.77	0.49	0.46	166.218	-2,249.94	551.87	2,316.65	2,315.71	0.94	2,456.929	
300.00	300.00	330.64	330.64	0.85	0.81	166.236	-2,250.48	551.27	2,317.03	2,315.37	1.66	1,396.455	
400.00	400.00	434.75	434.73	1.20	1.18	166.279	-2,251.21	549.67	2,317.35	2,314.96	2.39	970.908	
500.00	500.00	550.61	550.49	1.56	1.60	166.397	-2,252.20	544.97	2,317.22	2,314.06	3.16	733.809	
600.00	600.00	646.63	646.33	1.92	1.94	166.542	-2,253.14	539.19	2,316.77	2,312.91	3.86	599.842	
700.00	700.00	751.63	751.09	2.28	2.33	166.716	-2,254.37	532.25	2,316.38	2,311.77	4.60	503.247	
800.00	800.00	855.68	854.91	2.64	2.71	166.889	-2,255.24	525.27	2,315.66	2,310.32	5.34	433.481	
900.00	899.98	932.00	931.03	2.98	2.99	167.001	-2,256.29	519.92	2,313.96	2,307.99	5.96	387.966	
1,000.00	999.84	985.60	984.46	3.31	3.19	167.036	-2,257.90	516.01	2,310.83	2,304.33	6.49	355.888	
1,100.00	1,099.59	1,051.67	1,050.26	3.65	3.43	167.081	-2,261.33	511.14	2,308.22	2,301.14	7.07	326.355	
1,200.00	1,199.35	1,162.91	1,161.04	3.99	3.85	167.218	-2,267.33	503.08	2,305.95	2,298.12	7.83	294.507	
1,300.00	1,299.11	1,261.23	1,259.00	4.34	4.22	167.322	-2,272.14	496.11	2,303.23	2,294.69	8.54	269.682	
1,400.00	1,398.86	1,341.22	1,338.75	4.69	4.51	167.361	-2,276.25	491.66	2,301.11	2,291.92	9.18	250.620	
1,401.14	1,400.00	1,342.08	1,339.61	4.70	4.52	167.362	-2,276.29	491.62	2,301.09	2,291.90	9.19	250.424	
1,441.42	1,440.20	1,372.51	1,369.97	4.84	4.63	167.369	-2,277.99	490.33	2,300.76	2,291.32	9.44	243.736 CC	
1,500.00	1,498.72	1,423.86	1,421.20	5.04	4.82	167.394	-2,281.01	488.56	2,301.41	2,291.58	9.83	234.122	
1,600.00	1,598.70	1,524.08	1,521.20	5.39	5.18	167.481	-2,286.94	485.35	2,304.96	2,294.42	10.54	218.636	
1,601.14	1,599.84	1,525.25	1,522.36	5.40	5.19	167.482	-2,287.00	485.32	2,305.02	2,294.47	10.55	218.471	
1,700.00	1,698.70	1,625.23	1,622.13	5.74	5.55	167.588	-2,292.81	482.24	2,309.98	2,298.72	11.26	205.172	
1,800.00	1,798.70	1,717.00	1,713.70	6.09	5.89	167.684	-2,298.17	479.46	2,315.05	2,303.11	11.94	193.885	
1,900.00	1,898.70	1,783.32	1,779.83	6.44	6.13	167.761	-2,302.70	477.25	2,321.05	2,308.52	12.53	185.278	
2,000.00	1,998.70	1,844.04	1,840.28	6.80	6.36	167.845	-2,307.93	474.90	2,328.67	2,315.58	13.09	177.876	
2,100.00	2,098.70	1,905.00	1,900.84	7.15	6.59	167.939	-2,314.30	472.36	2,338.02	2,324.37	13.65	171.232	
2,200.00	2,198.70	1,952.16	1,947.59	7.50	6.77	168.019	-2,320.19	470.29	2,349.29	2,335.14	14.16	165.940	
2,300.00	2,298.70	1,999.00	1,993.88	7.85	6.95	168.105	-2,327.02	468.16	2,362.71	2,348.06	14.65	161.254	
2,400.00	2,398.70	2,086.00	2,079.67	8.21	7.29	168.270	-2,340.91	464.18	2,377.46	2,362.14	15.32	155.194	
2,500.00	2,498.70	2,524.11	2,515.25	8.56	8.87	168.385	-2,378.86	467.14	2,388.21	2,370.91	17.30	138.078	
2,600.00	2,598.70	2,742.80	2,733.61	8.92	9.55	168.140	-2,372.16	476.18	2,385.32	2,367.01	18.31	130.265	
2,700.00	2,698.70	2,829.16	2,819.88	9.27	9.82	168.094	-2,368.54	477.36	2,381.50	2,362.55	18.95	125.663	
2,800.00	2,798.70	2,920.98	2,911.62	9.63	10.11	168.033	-2,365.11	479.26	2,378.27	2,358.66	19.61	121.286	
2,900.00	2,898.70	3,011.94	3,002.50	9.98	10.41	167.967	-2,361.93	481.34	2,375.33	2,355.07	20.27	117.212	
3,000.00	2,998.70	3,109.32	3,099.81	10.34	10.72	167.901	-2,358.86	483.49	2,372.70	2,351.76	20.94	113.295	
3,100.00	3,098.70	3,198.09	3,188.52	10.69	11.01	167.845	-2,356.25	485.33	2,370.27	2,348.67	21.60	109.750	
3,200.00	3,198.70	3,288.56	3,278.94	11.05	11.31	167.787	-2,354.06	487.30	2,368.36	2,346.10	22.26	106.406	
3,300.00	3,298.70	3,376.47	3,366.82	11.40	11.60	167.739	-2,352.33	488.94	2,366.84	2,343.93	22.91	103.301	
3,400.00	3,398.70	3,472.99	3,463.31	11.76	11.92	167.692	-2,350.92	490.63	2,365.78	2,342.18	23.59	100.268	
3,500.00	3,498.70	3,569.01	3,559.31	12.12	12.24	167.652	-2,349.58	492.03	2,364.72	2,340.45	24.28	97.406	
3,600.00	3,598.70	3,662.32	3,652.62	12.47	12.56	167.624	-2,348.63	493.00	2,363.96	2,339.01	24.95	94.740	
3,700.00	3,698.70	3,756.61	3,746.89	12.83	12.88	167.597	-2,347.93	493.99	2,363.45	2,337.82	25.63	92.208	
3,800.00	3,798.70	3,854.83	3,845.12	13.19	13.21	167.585	-2,347.51	494.39	2,363.13	2,336.80	26.33	89.767	
3,900.00	3,898.70	3,963.28	3,953.56	13.54	13.58	167.577	-2,346.96	494.62	2,362.68	2,335.63	27.05	87.335	
4,000.00	3,998.70	4,072.41	4,062.69	13.90	13.95	167.566	-2,345.94	494.87	2,361.81	2,334.03	27.78	85.008	
4,001.30	4,000.00	4,073.83	4,064.11	13.91	13.96	167.566	-2,345.92	494.87	2,361.80	2,334.01	27.79	84.979	
4,100.00	4,098.68	4,135.96	4,126.24	14.25	14.17	167.551	-2,345.78	494.53	2,360.04	2,331.68	28.36	83.224	
4,200.00	4,198.54	4,194.45	4,184.71	14.58	14.38	167.518	-2,346.82	493.37	2,356.94	2,328.04	28.90	81.556	
4,300.00	4,298.16	4,266.00	4,256.12	14.92	14.63	167.491	-2,350.02	490.56	2,352.89	2,323.40	29.49	79.792	
4,400.00	4,397.41	4,342.28	4,332.18	15.27	14.91	167.448	-2,354.46	486.83	2,346.99	2,316.90	30.09	77.987	
4,444.20	4,441.13	4,360.00	4,349.85	15.42	14.97	167.390	-2,355.44	485.99	2,343.58	2,313.28	30.30	77.348	
4,500.00	4,496.27	4,404.82	4,394.53	15.61	15.14	167.347	-2,358.31	483.79	2,339.21	2,308.56	30.65	76.330	
4,600.00	4,595.08	4,460.56	4,449.99	15.96	15.34	167.245	-2,363.00	480.77	2,333.08	2,301.91	31.16	74.863	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 176-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,693.89	4,549.00	4,537.76	16.32	15.67	167.244	-2,371.70	474.40	2,328.00	2,296.18	31.82	73.155	
4,800.00	4,792.69	4,643.00	4,630.65	16.68	16.03	167.342	-2,382.00	464.37	2,323.29	2,290.78	32.51	71.460	
4,900.00	4,891.50	4,717.26	4,703.67	17.04	16.31	167.431	-2,391.16	454.43	2,319.37	2,286.25	33.12	70.036	
5,000.00	4,990.31	4,798.90	4,783.68	17.40	16.63	167.577	-2,402.22	442.58	2,316.44	2,282.68	33.76	68.621	
5,100.00	5,089.11	4,887.05	4,869.91	17.76	16.98	167.766	-2,414.82	429.30	2,314.17	2,279.74	34.43	67.212	
5,200.00	5,187.92	4,992.63	4,973.26	18.13	17.40	168.020	-2,430.01	413.97	2,312.15	2,276.96	35.19	65.701	
5,300.00	5,286.73	5,120.85	5,099.22	18.50	17.90	168.321	-2,447.05	397.11	2,309.35	2,273.29	36.06	64.040	
5,400.00	5,385.54	5,166.82	5,144.34	18.87	18.09	168.302	-2,453.48	391.18	2,307.16	2,270.62	36.54	63.142	
5,465.90	5,450.65	5,207.00	5,183.63	19.12	18.25	168.339	-2,459.88	385.66	2,306.91	2,270.01	36.90	62.524	
5,500.00	5,484.34	5,222.17	5,198.42	19.25	18.31	168.338	-2,462.45	383.50	2,307.09	2,270.04	37.05	62.267	
5,600.00	5,583.15	5,301.00	5,275.13	19.62	18.64	168.494	-2,476.47	371.99	2,308.52	2,270.83	37.68	61.260	
5,700.00	5,681.96	5,412.86	5,383.95	20.00	19.10	168.798	-2,496.59	355.67	2,310.24	2,271.75	38.50	60.011	
5,800.00	5,780.77	5,539.09	5,507.28	20.38	19.63	169.118	-2,517.67	338.91	2,310.93	2,271.55	39.38	58.676	
5,845.31	5,825.53	5,595.16	5,562.21	20.55	19.86	169.242	-2,526.50	332.00	2,310.90	2,271.12	39.78	58.092	
5,900.00	5,879.57	5,628.89	5,595.22	20.76	20.00	169.267	-2,531.97	327.73	2,311.05	2,270.96	40.08	57.659	
6,000.00	5,978.38	5,704.02	5,668.54	21.14	20.32	169.383	-2,544.90	317.67	2,312.27	2,271.56	40.70	56.811	
6,100.00	6,077.19	5,811.15	5,772.75	21.53	20.78	169.665	-2,564.20	302.06	2,314.17	2,272.68	41.50	55.766	
6,200.00	6,175.99	5,965.54	5,922.98	21.91	21.44	170.202	-2,589.57	277.11	2,314.23	2,271.68	42.55	54.388	
6,300.00	6,274.80	6,069.06	6,023.98	22.30	21.88	170.486	-2,605.26	260.70	2,313.18	2,269.85	43.33	53.382	
6,400.00	6,373.61	6,148.00	6,100.68	22.69	22.23	170.694	-2,617.81	246.89	2,312.69	2,268.70	43.99	52.573	
6,402.00	6,375.59	6,148.00	6,100.68	22.69	22.23	170.690	-2,617.81	246.89	2,312.68	2,268.69	43.99	52.568	
6,500.00	6,472.42	6,242.00	6,191.56	23.07	22.65	171.022	-2,633.52	228.73	2,312.84	2,268.11	44.73	51.705	
6,587.49	6,558.87	6,364.85	6,310.89	23.41	23.19	171.479	-2,652.74	206.79	2,312.25	2,266.66	45.59	50.714	
6,600.00	6,571.23	6,378.67	6,324.38	23.46	23.25	171.519	-2,654.77	204.60	2,312.11	2,266.42	45.70	50.597	
6,635.02	6,605.89	6,417.44	6,362.30	23.60	23.41	171.624	-2,660.38	198.82	2,311.95	2,265.97	45.98	50.278	
6,700.00	6,670.34	6,466.23	6,410.13	23.85	23.62	171.719	-2,667.42	192.16	2,312.77	2,266.38	46.40	49.849	
6,800.00	6,769.86	6,525.00	6,467.70	24.22	23.88	171.826	-2,676.48	184.64	2,317.79	2,270.86	46.93	49.387	
6,900.00	6,869.66	6,606.44	6,547.48	24.58	24.23	172.031	-2,689.91	175.31	2,327.15	2,279.57	47.57	48.916	
7,000.00	6,969.61	6,687.27	6,626.64	24.93	24.57	172.251	-2,703.97	167.05	2,340.62	2,292.42	48.20	48.557	
7,030.39	7,000.00	6,714.00	6,652.81	25.04	24.69	172.331	-2,708.74	164.36	2,345.47	2,297.07	48.41	48.454	
7,100.00	7,069.61	6,787.51	6,724.74	25.27	25.00	172.561	-2,721.83	156.71	2,356.91	2,307.97	48.94	48.163	
7,200.00	7,169.61	6,852.08	6,787.82	25.61	25.29	172.775	-2,733.56	149.45	2,373.74	2,324.28	49.46	47.990	
7,300.00	7,269.61	6,902.00	6,836.34	25.94	25.51	172.953	-2,743.58	143.36	2,392.40	2,342.51	49.89	47.951	
7,400.00	7,369.61	6,996.00	6,927.51	26.28	25.93	173.284	-2,763.48	132.05	2,412.19	2,361.60	50.59	47.679	
7,500.00	7,469.61	7,148.34	7,076.06	26.62	26.60	173.717	-2,793.90	117.45	2,431.09	2,379.45	51.64	47.076	
7,600.00	7,569.61	7,286.63	7,210.60	26.96	27.22	174.231	-2,819.23	98.41	2,448.07	2,395.46	52.60	46.537	
7,700.00	7,669.61	7,391.67	7,312.07	27.30	27.71	174.736	-2,837.95	78.79	2,464.35	2,410.97	53.39	46.160	
7,800.00	7,769.61	7,540.72	7,457.65	27.64	28.38	175.275	-2,861.83	57.79	2,479.17	2,424.77	54.40	45.574	
7,900.00	7,869.61	7,652.00	7,567.07	27.98	28.86	175.597	-2,877.68	45.19	2,492.51	2,437.32	55.19	45.162	
8,000.00	7,969.61	7,739.39	7,652.61	28.32	29.24	175.902	-2,890.62	32.92	2,506.41	2,450.54	55.86	44.866	
8,100.00	8,069.61	7,870.01	7,779.79	28.66	29.83	176.452	-2,909.89	10.26	2,520.25	2,463.48	56.77	44.391	
8,200.00	8,169.61	7,978.16	7,885.75	29.00	30.31	176.845	-2,924.10	-6.10	2,532.61	2,475.05	57.56	44.000	
8,300.00	8,269.61	8,047.48	7,953.64	29.34	30.61	177.084	-2,933.85	-16.13	2,546.01	2,487.87	58.14	43.791	
8,400.00	8,369.61	8,141.07	8,045.31	29.68	31.03	177.391	-2,947.69	-28.98	2,560.26	2,501.41	58.85	43.507	
8,500.00	8,469.61	8,302.45	8,203.88	30.02	31.73	177.878	-2,969.22	-49.77	2,573.11	2,513.21	59.90	42.959	
8,600.00	8,569.61	8,424.39	8,324.08	30.37	32.24	178.219	-2,983.45	-64.55	2,584.44	2,523.70	60.73	42.554	
8,700.00	8,669.61	8,533.35	8,431.59	30.71	32.70	178.514	-2,995.70	-77.43	2,595.43	2,533.92	61.51	42.198	
8,800.00	8,769.61	8,784.00	8,680.22	31.05	33.70	179.028	-3,016.91	-100.25	2,604.48	2,541.65	62.83	41.455	
8,900.00	8,869.61	8,878.00	8,773.88	31.40	34.05	179.174	-3,021.65	-106.78	2,609.43	2,545.92	63.52	41.082	
9,000.00	8,969.61	8,950.68	8,846.25	31.74	34.32	179.286	-3,025.96	-111.86	2,615.24	2,551.10	64.13	40.778	
9,100.00	9,069.61	9,100.89	8,995.96	32.09	34.88	179.484	-3,034.32	-120.80	2,620.88	2,555.87	65.01	40.314	
9,200.00	9,169.61	9,257.17	9,152.04	32.43	35.44	179.620	-3,039.21	-126.97	2,623.91	2,558.04	65.88	39.830	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 176-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,224.94	9,194.55	9,282.62	9,177.46	32.52	35.52	179.639	-3,039.77	-127.82	2,624.45	2,558.40	66.05	39.732	
9,250.00	9,219.60	9,308.48	9,203.30	32.60	35.61	179.670	-3,040.32	-128.70	2,624.98	2,558.75	66.23	39.635	
9,300.00	9,269.40	9,355.00	9,249.78	32.77	35.78	179.801	-3,041.30	-130.35	2,626.01	2,559.45	66.56	39.456	
9,350.00	9,318.62	9,391.33	9,286.09	32.93	35.89	179.988	-3,042.17	-130.21	2,627.19	2,560.36	66.83	39.310	
9,400.00	9,366.90	9,424.93	9,319.56	33.08	35.99	-179.790	-3,043.18	-127.46	2,628.68	2,561.59	67.10	39.178	
9,450.00	9,413.87	9,462.55	9,356.66	33.23	36.10	-179.548	-3,044.53	-121.45	2,630.46	2,563.11	67.35	39.054	
9,500.00	9,459.17	9,511.21	9,403.75	33.37	36.21	-179.350	-3,046.36	-109.44	2,632.34	2,564.72	67.62	38.930	
9,550.00	9,502.45	9,586.31	9,473.79	33.49	36.37	-179.391	-3,048.97	-82.57	2,634.14	2,566.21	67.92	38.780	
9,600.00	9,543.39	9,675.85	9,553.33	33.61	36.53	-179.659	-3,050.63	-41.59	2,635.02	2,566.78	68.24	38.613	
9,650.00	9,581.68	9,798.14	9,652.15	33.71	36.70	179.485	-3,050.24	29.89	2,634.76	2,566.16	68.60	38.407	
9,700.00	9,617.02	9,870.42	9,704.44	33.79	36.78	179.174	-3,048.49	79.49	2,633.48	2,564.59	68.90	38.224	
9,750.00	9,649.14	9,954.73	9,752.05	33.87	36.85	178.503	-3,046.61	148.58	2,632.60	2,563.34	69.26	38.012	
9,800.00	9,677.81	10,083.70	9,802.84	33.96	36.95	176.829	-3,040.20	266.19	2,630.01	2,560.18	69.83	37.665	
9,850.00	9,702.80	10,127.66	9,812.79	34.15	37.00	176.838	-3,037.52	308.92	2,626.90	2,556.69	70.21	37.417	
9,900.00	9,723.92	10,166.98	9,820.00	34.38	37.06	176.982	-3,035.26	347.50	2,624.00	2,553.40	70.60	37.165	
9,950.00	9,741.01	10,203.00	9,825.40	34.63	37.12	177.229	-3,033.32	383.06	2,621.33	2,550.32	71.01	36.917	
10,000.00	9,753.94	10,240.74	9,830.31	34.90	37.21	177.466	-3,031.48	420.43	2,618.92	2,547.44	71.48	36.640	
10,050.00	9,762.61	10,275.71	9,834.59	35.20	37.31	177.783	-3,029.98	455.10	2,616.82	2,544.87	71.95	36.369	
10,100.00	9,766.96	10,297.00	9,837.06	35.53	37.38	178.410	-3,029.17	476.23	2,615.10	2,542.73	72.37	36.137	
10,120.94	9,767.49	10,321.58	9,839.65	35.67	37.48	178.332	-3,028.35	500.66	2,614.43	2,541.77	72.66	35.981	
10,200.00	9,768.04	10,369.61	9,843.45	36.25	37.70	179.016	-3,027.20	548.52	2,612.70	2,539.17	73.53	35.534	
10,300.00	9,768.74	10,441.70	9,845.87	37.10	38.09	179.629	-3,026.46	620.57	2,611.79	2,536.93	74.86	34.888	
10,400.00	9,769.44	10,539.39	9,840.93	38.08	38.78	179.683	-3,025.92	718.10	2,611.28	2,534.66	76.63	34.077	
10,472.76	9,769.95	10,601.00	9,836.69	38.87	39.28	179.931	-3,025.67	779.56	2,611.04	2,533.07	77.97	33.488	
10,500.00	9,770.14	10,601.00	9,836.69	39.16	39.28	-179.471	-3,025.67	779.56	2,611.18	2,532.92	78.26	33.365	
10,600.00	9,770.84	10,663.24	9,833.75	40.35	39.86	-178.642	-3,026.31	841.72	2,612.53	2,532.46	80.07	32.629	
10,700.00	9,771.53	10,722.41	9,832.89	41.64	40.45	-177.748	-3,028.36	900.84	2,615.98	2,534.02	81.96	31.917	
10,800.00	9,772.23	10,821.81	9,832.30	43.00	41.54	-177.737	-3,032.40	1,000.16	2,620.16	2,535.71	84.45	31.025	
10,900.00	9,772.93	10,936.19	9,832.48	44.45	42.92	-178.053	-3,036.51	1,114.47	2,623.87	2,536.56	87.31	30.054	
11,000.00	9,773.63	11,068.74	9,834.47	45.97	44.67	-178.764	-3,040.38	1,246.94	2,626.98	2,536.40	90.58	29.002	
11,100.00	9,774.33	11,195.73	9,840.06	47.55	46.51	-179.349	-3,042.14	1,373.79	2,628.47	2,534.49	93.98	27.969	
11,196.60	9,775.00	11,261.00	9,842.51	49.14	47.48	-178.666	-3,043.01	1,439.01	2,630.02	2,533.47	96.55	27.240	
11,200.00	9,775.03	11,261.00	9,842.51	49.19	47.48	-178.592	-3,043.01	1,439.01	2,630.10	2,533.50	96.61	27.225	
11,226.67	9,775.37	11,293.31	9,843.13	49.64	47.98	-178.715	-3,043.62	1,471.30	2,630.62	2,533.07	97.55	26.966	
11,300.00	9,776.65	11,355.00	9,842.84	50.89	48.94	-178.462	-3,045.39	1,532.97	2,632.75	2,532.98	99.77	26.389	
11,400.00	9,778.40	11,483.23	9,841.45	52.63	51.02	-179.077	-3,048.42	1,661.15	2,635.28	2,531.70	103.58	25.442	
11,500.00	9,780.14	11,586.79	9,840.66	54.42	52.75	-179.155	-3,049.95	1,764.69	2,636.86	2,529.76	107.10	24.620	
11,600.00	9,781.89	11,708.91	9,841.44	56.24	54.86	-179.636	-3,051.49	1,886.79	2,638.29	2,527.27	111.02	23.764	
11,700.00	9,783.64	11,819.37	9,847.29	58.10	56.83	-179.860	-3,051.83	1,997.09	2,638.74	2,523.92	114.83	22.981	
11,800.00	9,785.39	11,907.94	9,851.69	59.99	58.44	-179.609	-3,052.19	2,085.54	2,639.31	2,520.98	118.33	22.304	
11,900.00	9,787.14	11,993.48	9,851.27	61.91	60.02	-179.296	-3,053.00	2,171.06	2,640.37	2,518.52	121.85	21.669	
12,000.00	9,788.88	12,079.90	9,846.99	63.86	61.64	-178.999	-3,054.33	2,257.37	2,641.98	2,516.54	125.44	21.062	
12,100.00	9,790.63	12,212.78	9,841.91	65.83	64.17	-179.710	-3,056.11	2,390.13	2,643.47	2,513.56	129.91	20.348	
12,200.00	9,792.38	12,293.00	9,842.99	67.82	65.72	-179.282	-3,056.60	2,470.33	2,644.26	2,510.78	133.48	19.810	
12,300.00	9,794.13	12,370.50	9,845.95	69.83	67.23	-178.794	-3,057.61	2,547.77	2,645.79	2,508.76	137.03	19.308	
12,400.00	9,795.87	12,557.44	9,859.96	71.86	70.94	179.336	-3,057.50	2,734.10	2,645.49	2,502.87	142.62	18.549	
12,500.00	9,797.62	12,650.06	9,868.43	73.91	72.79	179.504	-3,056.47	2,826.31	2,644.58	2,498.06	146.53	18.049	
12,600.00	9,799.37	12,811.28	9,879.50	75.97	76.06	178.185	-3,053.29	2,987.12	2,642.89	2,491.20	151.69	17.423	
12,700.00	9,801.12	12,936.74	9,890.36	78.05	78.62	177.641	-3,048.35	3,112.00	2,639.14	2,482.92	156.22	16.894	
12,800.00	9,802.86	13,024.09	9,898.96	80.14	80.41	177.923	-3,044.74	3,198.86	2,635.29	2,475.16	160.13	16.457	
12,900.00	9,804.61	13,079.41	9,904.07	82.24	81.55	178.900	-3,042.95	3,253.91	2,632.46	2,468.96	163.50	16.101	
13,000.00	9,806.36	13,142.00	9,906.65	84.35	82.85	179.715	-3,042.63	3,316.43	2,631.83	2,464.85	166.99	15.761	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 176-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,010.77	9,806.55	13,142.00	9,906.65	84.58	82.85	179.950	-3,042.63	3,316.43	2,631.81	2,464.58	167.24	15.737	
13,100.00	9,808.11	13,199.50	9,906.53	86.48	84.05	-179.360	-3,043.26	3,373.92	2,632.68	2,462.31	170.38	15.452	
13,200.00	9,809.86	13,287.34	9,904.63	88.61	85.89	-179.095	-3,044.41	3,461.73	2,634.05	2,459.68	174.37	15.106	
13,300.00	9,811.60	13,414.56	9,905.77	90.75	88.57	-179.687	-3,045.63	3,588.94	2,635.09	2,455.92	179.17	14.707	
13,400.00	9,813.35	13,476.49	9,904.90	92.90	89.88	-178.860	-3,045.99	3,650.85	2,636.01	2,453.34	182.67	14.430	
13,500.00	9,815.10	13,521.13	9,902.44	95.06	90.83	-177.657	-3,047.45	3,695.39	2,639.20	2,453.42	185.78	14.206	
13,600.00	9,816.85	13,607.00	9,897.43	97.22	92.66	-177.350	-3,051.20	3,781.04	2,643.59	2,453.81	189.77	13.930	
13,700.00	9,818.59	13,668.57	9,894.12	99.40	93.97	-176.519	-3,054.48	3,842.43	2,648.98	2,455.77	193.21	13.710	
13,800.00	9,820.34	13,746.10	9,889.55	101.58	95.63	-176.036	-3,059.75	3,919.64	2,655.77	2,458.76	197.01	13.480	
13,900.00	9,822.09	14,054.98	9,881.60	103.76	102.29	179.462	-3,066.85	4,228.17	2,656.67	2,450.79	205.88	12.904	
14,000.00	9,823.84	14,247.47	9,883.99	105.95	106.45	177.466	-3,061.54	4,420.55	2,653.96	2,442.08	211.89	12.525	
14,100.00	9,825.58	14,348.00	9,886.53	108.15	108.63	177.453	-3,056.24	4,520.91	2,648.83	2,432.57	216.26	12.249	
14,200.00	9,827.33	14,442.00	9,889.49	110.35	110.67	177.581	-3,052.06	4,614.76	2,644.53	2,424.00	220.53	11.992	
14,300.00	9,829.08	14,493.31	9,891.18	112.55	111.79	178.636	-3,050.73	4,666.03	2,641.71	2,417.64	224.07	11.790	
14,400.00	9,830.83	14,563.55	9,893.79	114.76	113.33	179.282	-3,049.30	4,736.20	2,639.88	2,411.97	227.91	11.583	
14,468.76	9,832.03	14,602.36	9,895.01	116.28	114.18	179.933	-3,049.03	4,775.00	2,639.49	2,409.13	230.36	11.458	
14,500.00	9,832.58	14,631.00	9,895.75	116.97	114.81	179.989	-3,049.11	4,803.62	2,639.61	2,407.93	231.68	11.393	
14,600.00	9,834.32	14,711.37	9,897.86	119.19	116.58	-179.585	-3,049.67	4,883.97	2,640.37	2,404.67	235.70	11.202	
14,700.00	9,836.07	14,799.67	9,901.27	121.41	118.52	-179.330	-3,050.44	4,972.19	2,641.40	2,401.53	239.88	11.012	
14,800.00	9,837.82	14,877.90	9,903.76	123.64	120.25	-178.857	-3,051.62	5,050.36	2,643.06	2,399.22	243.84	10.839	
14,900.00	9,839.57	14,972.69	9,900.75	125.86	122.35	-178.744	-3,053.79	5,145.07	2,645.43	2,397.25	248.17	10.660	
15,000.00	9,841.31	15,115.25	9,895.57	128.10	125.50	-179.664	-3,056.03	5,287.52	2,647.15	2,393.61	253.54	10.441	
15,100.00	9,843.06	15,260.46	9,890.98	130.33	128.72	179.359	-3,055.29	5,432.65	2,646.63	2,387.73	258.90	10.222	
15,200.00	9,844.81	15,453.49	9,894.13	132.57	132.99	177.346	-3,049.06	5,625.40	2,643.21	2,378.22	264.99	9.975	
15,300.00	9,846.56	15,478.00	9,896.56	134.81	133.53	178.985	-3,047.92	5,649.77	2,639.78	2,371.64	268.14	9.845	
15,400.00	9,848.30	15,572.00	9,909.20	137.05	135.60	179.134	-3,046.29	5,742.88	2,638.22	2,365.77	272.46	9.683	
15,436.88	9,848.95	15,572.00	9,909.20	137.87	135.60	179.934	-3,046.29	5,742.88	2,637.97	2,364.58	273.39	9.649	
15,500.00	9,850.05	15,572.00	9,909.20	139.29	135.60	-178.695	-3,046.29	5,742.88	2,638.72	2,363.86	274.86	9.600	
15,600.00	9,851.80	15,610.19	9,915.48	141.54	136.44	-177.344	-3,047.36	5,780.53	2,642.11	2,364.27	277.85	9.509	
15,697.28	9,853.50	15,666.00	9,925.41	143.73	137.67	-176.430	-3,051.12	5,835.31	2,648.39	2,367.30	281.09	9.422	
15,700.00	9,853.55	15,666.00	9,925.41	143.79	137.67	-176.371	-3,051.12	5,835.31	2,648.57	2,367.42	281.14	9.421	
15,702.33	9,853.58	15,666.00	9,925.41	143.84	137.67	-176.321	-3,051.12	5,835.31	2,648.72	2,367.53	281.19	9.420	
15,800.00	9,855.12	15,666.00	9,925.41	146.04	137.67	-174.219	-3,051.12	5,835.31	2,656.88	2,374.11	282.77	9.396	
15,900.00	9,856.69	15,730.07	9,936.73	148.29	139.08	-173.437	-3,057.56	5,898.05	2,667.54	2,381.46	286.08	9.325	
16,000.00	9,858.26	16,158.24	9,964.92	150.55	148.63	179.553	-3,076.01	6,323.74	2,669.27	2,370.38	298.89	8.931	
16,100.00	9,859.83	16,331.97	9,963.81	152.80	152.52	177.968	-3,071.73	6,497.40	2,666.65	2,361.93	304.72	8.751	
16,200.00	9,861.41	16,423.00	9,963.02	155.06	154.55	178.160	-3,068.64	6,588.38	2,663.32	2,354.25	309.07	8.617	
16,300.00	9,862.98	16,517.00	9,960.69	157.32	156.66	178.288	-3,065.77	6,682.30	2,660.31	2,346.82	313.49	8.486	
16,400.00	9,864.55	16,670.24	9,953.84	159.58	160.09	177.142	-3,059.67	6,835.27	2,656.28	2,337.42	318.86	8.331	
16,500.00	9,866.12	16,762.24	9,949.93	161.85	162.15	177.314	-3,055.09	6,927.07	2,651.34	2,328.08	323.26	8.202	
16,600.00	9,867.69	16,859.74	9,945.04	164.11	164.33	177.368	-3,050.84	7,024.35	2,646.99	2,319.25	327.74	8.076	
16,700.00	9,869.26	16,953.15	9,940.18	166.38	166.42	177.512	-3,046.60	7,117.54	2,642.50	2,310.33	332.17	7.955	
16,800.00	9,870.84	17,051.76	9,935.34	168.64	168.64	177.542	-3,042.53	7,215.94	2,638.42	2,301.75	336.68	7.837	
16,900.00	9,872.41	17,150.64	9,932.13	170.91	170.86	177.566	-3,038.28	7,314.68	2,634.21	2,293.02	341.19	7.721	
17,000.00	9,873.98	17,256.84	9,931.42	173.18	173.25	177.428	-3,033.71	7,420.77	2,630.02	2,284.22	345.80	7.606	
17,100.00	9,875.55	17,343.95	9,930.96	175.45	175.21	177.707	-3,029.95	7,507.81	2,625.84	2,275.70	350.13	7.500	
17,200.00	9,877.12	17,415.25	9,930.33	177.73	176.81	178.333	-3,027.44	7,579.06	2,622.44	2,268.24	354.20	7.404	
17,300.00	9,878.69	17,550.52	9,933.59	180.00	179.86	177.562	-3,023.42	7,714.16	2,619.83	2,260.53	359.29	7.292	
17,400.00	9,880.27	17,613.56	9,938.17	182.27	181.29	178.373	-3,021.12	7,777.00	2,616.36	2,253.14	363.22	7.203	
17,500.00	9,881.84	17,695.45	9,942.59	184.55	183.14	178.772	-3,019.26	7,858.75	2,614.20	2,246.76	367.44	7.115	
17,600.00	9,883.41	17,800.52	9,947.81	186.83	185.52	178.663	-3,016.87	7,963.66	2,612.07	2,240.01	372.06	7.021	
17,700.00	9,884.98	17,868.97	9,950.83	189.10	187.07	179.356	-3,015.43	8,032.03	2,610.23	2,234.22	376.02	6.942	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 176-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,754.30	9,885.83	17,896.87	9,951.56	190.34	187.70	179.936	-3,015.25	8,059.92	2,609.96	2,232.00	377.96	6.905	
17,800.00	9,886.55	17,929.00	9,951.96	191.38	188.43	-179.767	-3,015.40	8,092.04	2,610.18	2,230.43	379.75	6.873	
17,900.00	9,888.12	18,026.51	9,953.09	193.66	190.64	-179.712	-3,016.15	8,189.54	2,611.07	2,226.82	384.25	6.795	
18,000.00	9,889.69	18,117.00	9,955.48	195.94	192.70	-179.503	-3,016.13	8,280.00	2,611.26	2,222.67	388.59	6.720	
18,100.00	9,891.27	18,211.00	9,957.17	198.22	194.84	-179.371	-3,016.96	8,373.97	2,612.27	2,219.26	393.01	6.647	
18,197.59	9,892.80	18,262.98	9,957.01	200.45	196.02	-178.372	-3,018.28	8,425.94	2,614.60	2,218.23	396.38	6.596	
18,200.00	9,892.84	18,264.85	9,957.00	200.50	196.06	-178.360	-3,018.34	8,427.81	2,614.67	2,218.20	396.47	6.595	
18,212.67	9,893.00	18,274.69	9,956.92	200.79	196.29	-178.298	-3,018.63	8,437.64	2,615.06	2,218.08	396.98	6.587	
18,300.00	9,893.91	18,380.30	9,956.69	202.79	198.69	-178.699	-3,021.29	8,543.21	2,617.34	2,215.93	401.42	6.520	
18,400.00	9,894.96	18,532.41	9,960.39	205.07	202.15	-179.839	-3,022.45	8,695.26	2,618.00	2,210.84	407.16	6.430	
18,500.00	9,896.00	18,628.06	9,963.37	207.35	204.33	-179.743	-3,022.77	8,790.87	2,618.48	2,206.86	411.62	6.361	
18,600.00	9,897.05	18,730.65	9,964.64	209.64	206.67	-179.799	-3,023.24	8,893.44	2,619.07	2,202.83	416.24	6.292	
18,700.00	9,898.09	18,841.19	9,965.43	211.92	209.19	179.970	-3,023.39	9,003.98	2,619.33	2,198.30	421.03	6.221	
18,800.00	9,899.14	18,947.50	9,967.48	214.21	211.61	179.832	-3,023.16	9,110.27	2,619.25	2,193.53	425.72	6.153	
18,900.00	9,900.18	19,044.30	9,969.84	216.50	213.82	179.903	-3,022.89	9,207.03	2,619.12	2,188.90	430.22	6.088	
19,000.00	9,901.23	19,157.62	9,973.35	218.78	216.40	179.612	-3,022.42	9,320.30	2,618.86	2,183.81	435.05	6.020	
19,042.81	9,901.67	19,176.45	9,973.82	219.76	216.83	-179.863	-3,022.39	9,339.13	2,618.84	2,182.32	436.51	5.999	
19,100.00	9,902.27	19,205.12	9,974.01	221.07	217.49	-179.239	-3,022.61	9,367.80	2,619.35	2,180.86	438.49	5.974	
19,200.00	9,903.32	19,261.24	9,972.56	223.36	218.77	-178.280	-3,023.94	9,423.87	2,621.73	2,179.73	441.99	5.932	
19,300.00	9,904.36	19,349.37	9,969.31	225.65	220.78	-178.021	-3,026.84	9,511.90	2,625.09	2,178.83	446.26	5.882	
19,400.00	9,905.41	19,559.13	9,967.71	227.94	225.57	179.588	-3,030.85	9,721.45	2,627.71	2,174.32	453.39	5.796	
19,500.00	9,906.45	19,657.56	9,972.79	230.23	227.81	179.625	-3,030.23	9,819.74	2,627.24	2,169.32	457.92	5.737	
19,600.00	9,907.50	19,773.85	9,979.27	232.52	230.46	179.274	-3,029.03	9,935.84	2,626.39	2,163.60	462.79	5.675	
19,700.00	9,908.54	19,814.00	9,982.07	234.81	231.38	-179.418	-3,028.45	9,975.89	2,625.88	2,159.77	466.12	5.634	
19,702.62	9,908.57	19,841.58	9,983.91	234.87	232.01	-179.962	-3,028.23	10,003.41	2,625.56	2,158.78	466.78	5.625	
19,800.00	9,909.59	19,907.00	9,986.61	237.10	233.50	-179.263	-3,029.42	10,068.75	2,627.12	2,156.60	470.52	5.583	
19,900.00	9,910.63	19,931.76	9,987.14	239.39	234.07	-177.624	-3,030.39	10,093.49	2,630.24	2,157.08	473.17	5.559	
20,000.00	9,911.68	20,002.00	9,988.02	241.69	235.68	-176.979	-3,033.73	10,163.64	2,635.12	2,158.24	476.88	5.526	
20,100.00	9,912.72	20,097.00	9,988.89	243.98	237.85	-176.873	-3,038.87	10,258.50	2,640.65	2,159.34	481.31	5.486	
20,200.00	9,913.77	20,167.34	9,988.97	246.27	239.46	-176.234	-3,043.09	10,328.71	2,646.76	2,161.80	484.96	5.458	
20,300.00	9,914.82	20,283.98	9,987.51	248.57	242.13	-176.599	-3,050.70	10,445.10	2,653.43	2,163.34	490.09	5.414	
20,400.00	9,915.86	20,422.80	9,989.53	250.86	245.32	-177.439	-3,056.80	10,583.76	2,657.65	2,161.81	495.84	5.360	
20,500.00	9,916.91	20,595.02	9,991.69	253.16	249.26	-178.995	-3,063.69	10,755.78	2,662.44	2,160.11	502.33	5.300	
20,600.00	9,917.95	20,883.52	10,015.59	255.45	255.83	176.970	-3,058.02	11,043.12	2,660.61	2,150.52	510.09	5.216	
20,700.00	9,919.00	20,942.00	10,020.67	257.75	257.16	177.867	-3,055.45	11,101.31	2,656.39	2,142.26	514.13	5.167	
20,800.00	9,920.04	20,980.10	10,023.51	260.04	258.03	179.205	-3,054.53	11,139.29	2,654.05	2,136.34	517.71	5.126	
20,862.44	9,920.69	21,008.52	10,025.13	261.48	258.68	179.941	-3,054.28	11,167.67	2,653.65	2,133.74	519.91	5.104	
20,900.00	9,921.09	21,036.00	10,026.29	262.34	259.30	-179.841	-3,054.39	11,195.12	2,653.84	2,132.42	521.42	5.090	
21,000.00	9,922.13	21,162.17	10,029.22	264.64	262.19	179.594	-3,054.77	11,321.25	2,654.46	2,127.93	526.53	5.041	
21,100.00	9,923.18	21,386.44	10,029.22	266.93	267.31	176.909	-3,047.10	11,545.33	2,650.67	2,117.72	532.95	4.974	
21,200.00	9,924.22	21,526.36	10,016.40	269.23	270.47	176.054	-3,038.90	11,684.41	2,644.70	2,106.78	537.92	4.917	
21,300.00	9,925.27	21,626.91	10,005.43	271.53	272.73	176.050	-3,031.92	11,784.11	2,637.63	2,095.10	542.53	4.862	
21,400.00	9,926.31	21,695.00	9,998.25	273.82	274.27	176.748	-3,027.93	11,851.70	2,631.63	2,084.77	546.85	4.812	
21,500.00	9,927.36	21,766.84	9,991.98	276.12	275.90	177.365	-3,024.50	11,923.19	2,626.79	2,075.63	551.15	4.766	
21,600.00	9,928.40	21,910.48	9,989.40	278.42	279.17	176.412	-3,016.79	12,066.51	2,621.54	2,065.38	556.16	4.714	
21,700.00	9,929.45	22,013.95	9,991.62	280.72	281.52	176.332	-3,010.27	12,169.74	2,615.37	2,054.62	560.76	4.664	
21,800.00	9,930.49	22,121.40	9,994.73	283.02	283.96	176.165	-3,003.19	12,276.92	2,608.92	2,043.55	565.38	4.614	
21,900.00	9,931.54	22,236.77	9,999.39	285.32	286.59	175.824	-2,995.17	12,391.91	2,602.14	2,032.11	570.03	4.565	
22,000.00	9,932.58	22,343.63	10,006.29	287.62	289.01	175.671	-2,987.13	12,498.24	2,594.79	2,020.17	574.62	4.516	
22,100.00	9,933.63	22,447.37	10,015.76	289.92	291.36	175.592	-2,979.09	12,601.23	2,587.25	2,008.09	579.17	4.467	
22,200.00	9,934.67	22,481.00	10,018.99	292.22	292.12	177.063	-2,976.46	12,634.61	2,580.53	1,997.28	583.25	4.424	
22,300.00	9,935.72	22,481.00	10,018.99	294.52	292.12	179.284	-2,976.46	12,634.61	2,577.45	1,991.04	586.41	4.395	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile (205H, 206H) - Simon Camamile 0206 Fed Com 206H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 176-MWD+HRGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,325.56	9,935.99	22,481.00	10,018.99	295.11	292.12	179.852	-2,976.46	12,634.61	2,577.29	1,990.21	587.08	4.390	ES, SF

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets - Dump State #3H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	26.95	26.95	0.00	0.04	175.289	-1,851.17	152.54	1,857.45				
100.00	100.00	125.15	125.15	0.13	0.23	175.313	-1,851.44	151.78	1,857.65	1,857.30	0.36	5,207.083	
200.00	200.00	232.03	232.02	0.49	0.61	175.356	-1,851.48	150.41	1,857.58	1,856.48	1.10	1,691.388	
300.00	300.00	338.65	338.63	0.85	0.99	175.382	-1,851.30	149.54	1,857.35	1,855.52	1.84	1,011.346	
400.00	400.00	446.84	446.82	1.20	1.37	175.391	-1,850.29	149.15	1,856.39	1,853.81	2.58	720.801	
500.00	500.00	541.84	541.81	1.56	1.71	175.397	-1,849.53	148.91	1,855.56	1,852.29	3.27	567.734	
600.00	600.00	641.13	641.10	1.92	2.06	175.400	-1,848.88	148.75	1,854.89	1,850.92	3.98	466.348	
700.00	700.00	742.03	742.00	2.28	2.41	175.394	-1,848.14	148.88	1,854.17	1,849.48	4.69	395.276	
800.00	800.00	841.95	841.91	2.64	2.76	175.383	-1,847.39	149.18	1,853.46	1,848.06	5.40	343.253	
900.00	899.98	947.71	947.67	2.98	3.13	175.342	-1,846.49	149.74	1,851.05	1,844.94	6.11	302.782	
1,000.00	999.84	1,051.08	1,051.03	3.31	3.50	175.264	-1,845.18	150.04	1,845.02	1,838.21	6.81	270.847	
1,100.00	1,099.59	1,145.99	1,145.94	3.65	3.84	175.167	-1,844.10	150.26	1,837.53	1,830.04	7.49	245.440	
1,200.00	1,199.35	1,240.94	1,240.88	3.99	4.18	175.075	-1,843.31	150.31	1,830.32	1,822.16	8.17	224.166	
1,300.00	1,299.11	1,350.40	1,350.34	4.34	4.57	174.978	-1,842.45	150.49	1,823.20	1,814.30	8.90	204.881	
1,400.00	1,398.86	1,503.02	1,502.90	4.69	5.11	174.857	-1,838.47	151.15	1,814.36	1,804.58	9.78	185.425	
1,401.14	1,400.00	1,504.90	1,504.78	4.70	5.12	174.855	-1,838.39	151.16	1,814.24	1,804.44	9.80	185.213	
1,500.00	1,498.72	1,584.13	1,583.95	5.04	5.40	174.755	-1,835.47	151.94	1,805.95	1,795.53	10.42	173.262	
1,600.00	1,598.70	1,678.94	1,678.71	5.39	5.74	174.685	-1,832.56	153.14	1,801.39	1,790.28	11.11	162.145	
1,601.14	1,599.84	1,680.05	1,679.82	5.40	5.75	174.685	-1,832.53	153.15	1,801.35	1,790.24	11.12	162.026	
1,700.00	1,698.70	1,777.97	1,777.68	5.74	6.10	174.638	-1,829.64	154.37	1,798.56	1,786.75	11.81	152.248	
1,800.00	1,798.70	1,874.59	1,874.26	6.09	6.44	174.592	-1,826.88	155.54	1,795.83	1,783.32	12.51	143.547	
1,900.00	1,898.70	1,962.92	1,962.55	6.44	6.76	174.555	-1,824.69	156.48	1,793.48	1,780.30	13.18	136.076	
2,000.00	1,998.70	2,055.98	2,055.60	6.80	7.09	174.531	-1,823.06	157.10	1,791.79	1,777.92	13.87	129.218	
2,100.00	2,098.70	2,152.53	2,152.14	7.15	7.44	174.511	-1,821.55	157.57	1,790.27	1,775.71	14.57	122.911	
2,200.00	2,198.70	2,257.36	2,256.95	7.50	7.81	174.494	-1,820.04	157.95	1,788.88	1,773.59	15.29	116.966	
2,300.00	2,298.70	2,367.38	2,366.95	7.85	8.21	174.494	-1,817.86	157.75	1,786.89	1,770.85	16.04	111.398	
2,400.00	2,398.70	2,471.33	2,470.87	8.21	8.58	174.501	-1,815.44	157.31	1,784.53	1,767.76	16.77	106.433	
2,500.00	2,498.70	2,573.83	2,573.34	8.56	8.95	174.508	-1,812.89	156.85	1,782.01	1,764.52	17.49	101.898	
2,600.00	2,598.70	2,672.09	2,671.57	8.92	9.30	174.513	-1,810.39	156.44	1,779.44	1,761.24	18.20	97.794	
2,700.00	2,698.70	2,767.00	2,766.45	9.27	9.64	174.514	-1,808.15	156.19	1,777.07	1,758.18	18.89	94.063	
2,800.00	2,798.70	2,858.47	2,857.91	9.63	9.97	174.511	-1,806.33	156.10	1,775.07	1,755.50	19.58	90.670	
2,900.00	2,898.70	2,953.16	2,952.58	9.98	10.31	174.502	-1,804.87	156.24	1,773.55	1,753.28	20.27	87.483	
3,000.00	2,998.70	3,049.66	3,049.07	10.34	10.65	174.507	-1,803.57	155.96	1,772.19	1,751.22	20.97	84.498	
3,100.00	3,098.70	3,144.74	3,144.14	10.69	10.99	174.554	-1,802.68	154.43	1,771.10	1,749.44	21.66	81.753	
3,200.00	3,198.70	3,241.41	3,240.79	11.05	11.32	174.615	-1,802.05	152.48	1,770.26	1,747.90	22.36	79.179	
3,300.00	3,298.70	3,340.93	3,340.28	11.40	11.67	174.682	-1,801.52	150.36	1,769.53	1,746.47	23.06	76.734	
3,400.00	3,398.70	3,442.05	3,441.38	11.76	12.02	174.750	-1,800.93	148.19	1,768.75	1,744.98	23.77	74.411	
3,500.00	3,498.70	3,542.65	3,541.94	12.12	12.37	174.825	-1,800.33	145.79	1,767.94	1,743.46	24.48	72.225	
3,600.00	3,598.70	3,635.15	3,634.42	12.47	12.69	174.895	-1,799.81	143.59	1,767.18	1,742.02	25.16	70.244	
3,638.66	3,637.36	3,666.52	3,665.78	12.61	12.80	174.915	-1,799.80	142.96	1,767.10	1,741.70	25.40	69.559	
3,700.00	3,698.70	3,719.71	3,718.96	12.83	12.98	174.945	-1,800.04	142.07	1,767.28	1,741.48	25.81	68.484	
3,800.00	3,798.70	3,818.15	3,817.39	13.19	13.32	174.994	-1,800.68	140.61	1,767.80	1,741.30	26.50	66.712	
3,900.00	3,898.70	3,917.54	3,916.77	13.54	13.66	175.039	-1,801.36	139.27	1,768.36	1,741.17	27.20	65.025	
4,000.00	3,998.70	4,015.90	4,015.11	13.90	13.99	175.085	-1,802.12	137.89	1,769.02	1,741.13	27.89	63.431	
4,001.30	4,000.00	4,017.22	4,016.44	13.91	14.00	175.086	-1,802.14	137.88	1,769.02	1,741.13	27.90	63.411	
4,100.00	4,098.68	4,116.86	4,116.06	14.25	14.34	175.114	-1,802.90	136.39	1,768.10	1,739.52	28.58	61.863	
4,200.00	4,198.54	4,215.26	4,214.45	14.58	14.68	175.095	-1,803.71	134.91	1,764.06	1,734.80	29.26	60.299	
4,300.00	4,298.16	4,318.69	4,317.86	14.92	15.03	175.035	-1,804.48	133.27	1,756.74	1,726.79	29.95	58.657	
4,400.00	4,397.41	4,420.31	4,419.46	15.27	15.39	174.929	-1,805.07	131.58	1,746.09	1,715.45	30.64	56.986	
4,444.20	4,441.13	4,464.94	4,464.09	15.42	15.54	174.867	-1,805.29	130.85	1,740.35	1,709.40	30.95	56.238	
4,500.00	4,496.27	4,521.30	4,520.44	15.61	15.74	174.781	-1,805.53	129.93	1,732.68	1,701.34	31.33	55.302	
4,600.00	4,595.08	4,621.76	4,620.89	15.96	16.09	174.624	-1,805.87	128.29	1,718.84	1,686.82	32.02	53.677	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets - Dump State #3H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.00	4,693.89	4,720.17	4,719.29	16.32	16.43	174.464	-1,806.21	126.69	1,705.02	1,672.32	32.71	52.129	
4,800.00	4,792.69	4,821.13	4,820.23	16.68	16.79	174.306	-1,806.51	124.95	1,691.17	1,657.76	33.40	50.626	
4,900.00	4,891.50	4,921.28	4,920.36	17.04	17.14	174.152	-1,806.68	123.00	1,677.18	1,643.08	34.10	49.182	
5,000.00	4,990.31	5,016.32	5,015.38	17.40	17.48	173.992	-1,806.97	121.16	1,663.34	1,628.56	34.78	47.821	
5,100.00	5,089.11	5,115.41	5,114.45	17.76	17.82	173.828	-1,807.40	119.37	1,649.65	1,614.17	35.48	46.497	
5,200.00	5,187.92	5,221.26	5,220.28	18.13	18.20	173.661	-1,807.51	117.54	1,635.65	1,599.45	36.20	45.183	
5,300.00	5,286.73	5,316.12	5,315.15	18.50	18.53	173.437	-1,807.41	117.25	1,621.62	1,584.74	36.89	43.962	
5,400.00	5,385.54	5,400.00	5,398.29	18.87	18.82	172.835	-1,806.45	127.41	1,608.12	1,570.59	37.53	42.849	
5,500.00	5,484.34	5,473.57	5,468.86	19.25	19.07	171.853	-1,804.87	147.89	1,596.07	1,557.95	38.13	41.862	
5,600.00	5,583.15	5,529.56	5,520.19	19.62	19.26	170.793	-1,803.56	170.15	1,586.55	1,547.90	38.65	41.051	
5,700.00	5,681.96	5,575.70	5,560.63	20.00	19.41	169.726	-1,802.86	192.33	1,580.61	1,541.51	39.09	40.430	
5,800.00	5,780.77	5,600.00	5,581.16	20.38	19.50	168.978	-1,802.65	205.33	1,578.90	1,539.52	39.37	40.103	
5,801.33	5,782.08	5,620.74	5,598.23	20.38	19.58	168.550	-1,802.54	217.09	1,578.68	1,539.18	39.50	39.968	CC, ES
5,900.00	5,879.57	5,663.22	5,631.92	20.76	19.75	167.331	-1,802.37	242.97	1,580.89	1,541.05	39.84	39.681	
6,000.00	5,978.38	5,700.00	5,659.57	21.14	19.89	166.155	-1,802.31	267.21	1,587.53	1,547.45	40.08	39.607	SF
6,100.00	6,077.19	5,700.00	5,659.57	21.53	19.89	165.842	-1,802.31	267.21	1,599.65	1,559.69	39.96	40.029	
6,200.00	6,175.99	5,751.55	5,695.40	21.91	20.15	164.187	-1,802.63	304.25	1,615.63	1,575.42	40.21	40.177	
6,300.00	6,274.80	5,800.00	5,725.39	22.30	20.39	162.500	-1,803.59	342.26	1,637.99	1,597.62	40.37	40.574	
6,400.00	6,373.61	5,800.00	5,725.39	22.69	20.39	162.153	-1,803.59	342.26	1,664.13	1,624.13	40.01	41.598	
6,500.00	6,472.42	5,800.00	5,725.39	23.07	20.39	161.801	-1,803.59	342.26	1,695.78	1,656.22	39.56	42.868	
6,587.49	6,558.87	5,831.54	5,743.00	23.41	20.59	160.554	-1,804.33	368.41	1,727.06	1,687.58	39.48	43.747	
6,600.00	6,571.23	5,834.08	5,744.35	23.46	20.61	160.433	-1,804.38	370.55	1,731.84	1,692.40	39.44	43.909	
6,700.00	6,670.34	5,853.29	5,754.32	23.85	20.73	159.531	-1,804.73	386.98	1,773.92	1,734.80	39.12	45.350	
6,800.00	6,769.86	5,900.00	5,776.29	24.22	21.04	157.837	-1,805.32	428.18	1,823.09	1,784.02	39.07	46.660	
6,900.00	6,869.66	5,900.00	5,776.29	24.58	21.04	157.679	-1,805.32	428.18	1,877.07	1,838.57	38.49	48.762	
7,000.00	6,969.61	5,900.00	5,776.29	24.93	21.04	157.608	-1,805.32	428.18	1,936.83	1,898.91	37.92	51.076	
7,030.39	7,000.00	5,900.00	5,776.29	25.04	21.04	157.604	-1,805.32	428.18	1,956.05	1,918.30	37.75	51.816	
7,100.00	7,069.61	5,900.00	5,776.29	25.27	21.04	157.604	-1,805.32	428.18	2,001.33	1,963.97	37.36	53.570	
7,200.00	7,169.61	5,900.00	5,776.29	25.61	21.04	157.604	-1,805.32	428.18	2,068.74	2,031.93	36.81	56.198	
7,300.00	7,269.61	5,940.99	5,792.92	25.94	21.39	156.299	-1,805.50	465.63	2,137.40	2,100.64	36.77	58.136	
7,400.00	7,369.61	5,951.86	5,796.93	26.28	21.48	155.950	-1,805.50	475.74	2,208.87	2,172.49	36.38	60.713	
7,500.00	7,469.61	5,961.85	5,800.45	26.62	21.56	155.629	-1,805.48	485.09	2,282.32	2,246.31	36.01	63.375	
7,600.00	7,569.61	6,000.00	5,812.54	26.96	21.89	154.399	-1,805.22	521.26	2,358.25	2,322.29	35.97	65.569	
7,700.00	7,669.61	6,000.00	5,812.54	27.30	21.89	154.399	-1,805.22	521.26	2,434.85	2,399.31	35.54	68.513	
7,800.00	7,769.61	6,000.00	5,812.54	27.64	21.89	154.399	-1,805.22	521.26	2,513.08	2,477.94	35.14	71.510	
7,900.00	7,869.61	6,000.00	5,812.54	27.98	21.89	154.399	-1,805.22	521.26	2,592.82	2,558.04	34.78	74.550	
8,000.00	7,969.61	6,000.00	5,812.54	28.32	21.89	154.399	-1,805.22	521.26	2,673.92	2,639.47	34.45	77.622	
8,100.00	8,069.61	6,000.00	5,812.54	28.66	21.89	154.399	-1,805.22	521.26	2,756.25	2,722.11	34.15	80.717	
8,200.00	8,169.61	6,000.00	5,812.54	29.00	21.89	154.399	-1,805.22	521.26	2,839.73	2,805.85	33.88	83.824	
8,300.00	8,269.61	6,000.00	5,812.54	29.34	21.89	154.399	-1,805.22	521.26	2,924.24	2,890.60	33.64	86.937	
8,400.00	8,369.61	6,000.00	5,812.54	29.68	21.89	154.399	-1,805.22	521.26	3,009.70	2,976.27	33.42	90.045	
8,500.00	8,469.61	6,000.00	5,812.54	30.02	21.89	154.399	-1,805.22	521.26	3,096.03	3,062.79	33.24	93.143	
8,600.00	8,569.61	6,000.00	5,812.54	30.37	21.89	154.399	-1,805.22	521.26	3,183.16	3,150.08	33.08	96.224	
8,700.00	8,669.61	6,000.00	5,812.54	30.71	21.89	154.399	-1,805.22	521.26	3,271.03	3,238.08	32.95	99.281	
8,800.00	8,769.61	6,000.00	5,812.54	31.05	21.89	154.399	-1,805.22	521.26	3,359.58	3,326.74	32.84	102.309	
8,900.00	8,869.61	6,000.00	5,812.54	31.40	21.89	154.399	-1,805.22	521.26	3,448.75	3,416.00	32.75	105.303	
9,000.00	8,969.61	6,000.00	5,812.54	31.74	21.89	154.399	-1,805.22	521.26	3,538.50	3,505.81	32.69	108.259	
9,100.00	9,069.61	6,044.32	5,823.63	32.09	22.35	152.975	-1,805.04	564.16	3,626.81	3,593.82	33.00	109.919	
9,200.00	9,169.61	6,047.16	5,824.23	32.43	22.38	152.884	-1,805.04	566.94	3,717.34	3,684.35	32.98	112.699	
9,224.94	9,194.55	6,047.85	5,824.37	32.52	22.39	152.862	-1,805.05	567.61	3,739.98	3,707.00	32.98	113.386	
9,250.00	9,219.60	6,048.60	5,824.52	32.60	22.39	152.856	-1,805.05	568.35	3,762.66	3,729.68	32.98	114.077	
9,300.00	9,269.40	6,050.49	5,824.91	32.77	22.41	152.938	-1,805.06	570.20	3,807.21	3,774.23	32.98	115.447	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets - Dump State #3H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,350.00	9,318.62	6,052.88	5,825.38	32.93	22.44	153.147	-1,805.07	572.54	3,850.57	3,817.61	32.97	116.798	
9,400.00	9,366.90	6,055.73	5,825.94	33.08	22.47	153.482	-1,805.08	575.33	3,892.46	3,859.51	32.95	118.115	
9,450.00	9,413.87	6,100.00	5,832.76	33.23	22.93	152.618	-1,805.59	619.06	3,934.28	3,901.04	33.24	118.360	
9,500.00	9,459.17	6,100.00	5,832.76	33.37	22.93	153.310	-1,805.59	619.06	3,972.12	3,938.93	33.19	119.674	
9,550.00	9,502.45	6,100.00	5,832.76	33.49	22.93	154.139	-1,805.59	619.06	4,007.72	3,974.58	33.14	120.935	
9,600.00	9,543.39	6,100.00	5,832.76	33.61	22.93	155.104	-1,805.59	619.06	4,040.86	4,007.78	33.09	122.128	
9,650.00	9,581.68	6,100.00	5,832.76	33.71	22.93	156.204	-1,805.59	619.06	4,071.37	4,038.33	33.04	123.241	
9,700.00	9,617.02	6,100.00	5,832.76	33.79	22.93	157.436	-1,805.59	619.06	4,099.07	4,066.08	32.99	124.259	
9,750.00	9,649.14	6,100.00	5,832.76	33.87	22.93	158.796	-1,805.59	619.06	4,123.80	4,090.85	32.95	125.167	
9,800.00	9,677.81	6,100.00	5,832.76	33.96	22.93	160.279	-1,805.59	619.06	4,145.43	4,112.52	32.91	125.948	
9,850.00	9,702.80	6,100.00	5,832.76	34.15	22.93	161.876	-1,805.59	619.06	4,163.86	4,130.97	32.89	126.588	
9,900.00	9,723.92	6,100.00	5,832.76	34.38	22.93	163.579	-1,805.59	619.06	4,178.97	4,146.09	32.89	127.073	
9,950.00	9,741.01	6,100.00	5,832.76	34.63	22.93	165.377	-1,805.59	619.06	4,190.70	4,157.80	32.90	127.389	
10,000.00	9,753.94	6,135.38	5,836.47	34.90	23.36	165.890	-1,806.21	654.24	4,198.48	4,165.32	33.16	126.626	
10,050.00	9,762.61	6,150.19	5,837.80	35.20	23.55	167.237	-1,806.46	668.98	4,202.76	4,169.47	33.30	126.226	
10,100.00	9,766.96	6,200.00	5,841.30	35.53	24.16	167.249	-1,807.25	718.67	4,203.84	4,170.17	33.67	124.847	
10,120.94	9,767.49	6,200.00	5,841.30	35.67	24.16	168.071	-1,807.25	718.67	4,202.83	4,169.13	33.70	124.706	
10,200.00	9,768.04	6,200.00	5,841.30	36.25	24.16	171.220	-1,807.25	718.67	4,198.59	4,164.74	33.85	124.042	
10,300.00	9,768.74	6,242.13	5,843.31	37.10	24.74	173.564	-1,807.62	760.74	4,194.95	4,160.57	34.38	122.021	
10,400.00	9,769.44	6,300.00	5,845.08	38.08	25.55	175.281	-1,807.26	818.59	4,192.50	4,157.43	35.06	119.577	
10,500.00	9,770.14	6,365.70	5,846.25	39.16	26.56	176.684	-1,806.28	884.27	4,190.96	4,155.09	35.88	116.807	
10,600.00	9,770.84	6,400.00	5,846.72	40.35	27.08	179.386	-1,805.76	918.56	4,190.30	4,153.76	36.54	114.666	
10,636.84	9,771.09	6,433.12	5,846.85	40.82	27.63	179.539	-1,805.16	951.67	4,190.23	4,153.28	36.95	113.398	
10,700.00	9,771.53	6,456.01	5,846.61	41.64	28.01	-178.802	-1,804.63	974.56	4,190.81	4,153.39	37.42	111.989	
10,800.00	9,772.23	6,500.00	5,845.41	43.00	28.75	-176.493	-1,803.34	1,018.51	4,192.98	4,154.73	38.26	109.603	
10,900.00	9,772.93	6,574.32	5,842.41	44.45	30.06	-175.426	-1,800.62	1,092.72	4,196.21	4,156.86	39.35	106.641	
11,000.00	9,773.63	6,659.28	5,838.65	45.97	31.61	-174.790	-1,797.04	1,177.52	4,199.71	4,159.14	40.56	103.540	
11,100.00	9,774.33	6,793.15	5,832.69	47.55	34.15	-176.151	-1,789.97	1,311.06	4,202.84	4,160.67	42.17	99.671	
11,196.60	9,775.00	6,844.11	5,830.41	49.14	35.16	-174.246	-1,786.83	1,361.88	4,205.91	4,162.71	43.20	97.365	
11,200.00	9,775.03	6,845.24	5,830.35	49.19	35.18	-174.152	-1,786.78	1,363.00	4,206.05	4,162.82	43.23	97.296	
11,226.67	9,775.37	6,854.08	5,829.87	49.64	35.36	-173.414	-1,786.35	1,371.81	4,207.33	4,163.85	43.48	96.763	
11,300.00	9,776.65	6,900.00	5,826.96	50.89	36.27	-172.274	-1,784.76	1,417.62	4,211.92	4,167.58	44.34	94.981	
11,400.00	9,778.40	6,922.11	5,825.37	52.63	36.72	-169.101	-1,784.28	1,439.67	4,219.12	4,173.87	45.25	93.237	
11,500.00	9,780.14	7,000.00	5,819.45	54.42	38.31	-168.196	-1,783.26	1,517.32	4,227.53	4,180.91	46.62	90.690	
11,600.00	9,781.89	7,342.86	5,805.15	56.24	45.63	-178.169	-1,786.22	1,859.67	4,234.23	4,183.84	50.39	84.029	
11,700.00	9,783.64	7,400.00	5,803.75	58.10	46.88	-176.387	-1,787.29	1,916.78	4,238.26	4,186.56	51.70	81.977	
11,800.00	9,785.39	7,400.00	5,803.75	59.99	46.88	-172.261	-1,787.29	1,916.78	4,243.18	4,190.68	52.50	80.829	
11,900.00	9,787.14	7,700.00	5,800.58	61.91	53.59	179.457	-1,793.23	2,216.61	4,245.70	4,189.49	56.21	75.536	
12,000.00	9,788.88	7,961.78	5,804.26	63.86	59.57	172.790	-1,794.13	2,478.26	4,247.79	4,188.19	59.60	71.277	
12,100.00	9,790.63	8,000.00	5,805.69	65.83	60.45	175.324	-1,793.80	2,516.46	4,245.92	4,185.11	60.82	69.816	
12,200.00	9,792.38	8,068.56	5,807.37	67.82	62.03	176.620	-1,792.90	2,584.99	4,245.02	4,182.68	62.34	68.095	
12,211.62	9,792.58	8,074.33	5,807.45	68.05	62.17	176.862	-1,792.80	2,590.76	4,245.00	4,182.51	62.50	67.924	
12,300.00	9,794.13	8,125.34	5,807.80	69.83	63.35	178.410	-1,791.84	2,641.76	4,245.36	4,181.61	63.75	66.592	
12,400.00	9,795.87	8,256.88	5,808.17	71.86	66.40	177.097	-1,788.88	2,773.26	4,246.14	4,180.26	65.87	64.458	
12,500.00	9,797.62	8,404.25	5,810.93	73.91	69.84	175.124	-1,785.25	2,920.55	4,245.10	4,176.93	68.17	62.274	
12,600.00	9,799.37	8,700.00	5,827.51	75.97	76.79	167.144	-1,780.42	3,215.70	4,239.44	4,167.47	71.98	58.901	
12,700.00	9,801.12	8,749.59	5,831.02	78.05	77.96	169.164	-1,779.43	3,265.15	4,234.07	4,160.68	73.40	57.686	
12,800.00	9,802.86	8,800.00	5,833.38	80.14	79.15	171.178	-1,778.54	3,315.50	4,230.47	4,155.64	74.83	56.534	
12,900.00	9,804.61	8,900.00	5,837.72	82.24	81.52	171.168	-1,776.05	3,415.37	4,227.25	4,150.52	76.73	55.089	
13,000.00	9,806.36	8,900.00	5,837.72	84.35	81.52	175.307	-1,776.05	3,415.37	4,225.11	4,147.42	77.69	54.386	
13,100.00	9,808.11	8,960.92	5,839.69	86.48	82.96	176.938	-1,774.50	3,476.24	4,223.59	4,144.37	79.22	53.314	
13,101.71	9,808.14	8,961.35	5,839.69	86.51	82.97	176.992	-1,774.49	3,476.67	4,223.59	4,144.35	79.24	53.301	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets - Dump State #3H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,200.00	9,809.86	9,029.36	5,839.95	88.61	84.59	178.262	-1,773.96	3,544.67	4,224.44	4,143.59	80.84	52.256	
13,300.00	9,811.60	9,241.96	5,846.69	90.75	89.65	173.569	-1,775.60	3,757.11	4,222.88	4,138.88	84.01	50.268	
13,400.00	9,813.35	9,300.00	5,849.15	92.90	91.04	175.320	-1,776.81	3,815.09	4,221.32	4,135.71	85.61	49.309	
13,500.00	9,815.10	9,360.78	5,851.22	95.06	92.49	176.964	-1,778.41	3,875.81	4,220.71	4,133.47	87.25	48.376	
13,502.08	9,815.13	9,361.86	5,851.25	95.10	92.52	177.005	-1,778.44	3,876.89	4,220.71	4,133.43	87.28	48.358	
13,600.00	9,816.85	9,415.00	5,852.55	97.22	93.79	178.882	-1,780.12	3,929.99	4,221.17	4,132.35	88.82	47.524	
13,700.00	9,818.59	9,415.00	5,852.55	99.40	93.79	-176.938	-1,780.12	3,929.99	4,223.42	4,133.64	89.78	47.043	
13,800.00	9,820.34	9,415.00	5,852.55	101.58	93.79	-172.791	-1,780.12	3,929.99	4,228.03	4,137.32	90.71	46.611	
13,900.00	9,822.09	9,415.00	5,852.55	103.76	93.79	-168.719	-1,780.12	3,929.99	4,234.99	4,143.38	91.61	46.229	
14,000.00	9,823.84	9,415.00	5,852.55	105.95	93.79	-164.760	-1,780.12	3,929.99	4,244.31	4,151.83	92.48	45.895	
14,100.00	9,825.58	9,415.00	5,852.55	108.15	93.79	-160.945	-1,780.12	3,929.99	4,255.95	4,162.63	93.32	45.608	
14,200.00	9,827.33	9,415.00	5,852.55	110.35	93.79	-157.298	-1,780.12	3,929.99	4,269.90	4,175.78	94.12	45.368	
14,300.00	9,829.08	9,415.00	5,852.55	112.55	93.79	-153.837	-1,780.12	3,929.99	4,286.14	4,191.26	94.88	45.173	
14,400.00	9,830.83	9,415.00	5,852.55	114.76	93.79	-150.569	-1,780.12	3,929.99	4,304.65	4,209.04	95.61	45.022	
14,500.00	9,832.58	9,415.00	5,852.55	116.97	93.79	-147.499	-1,780.12	3,929.99	4,325.39	4,229.08	96.30	44.914	
14,600.00	9,834.32	9,415.00	5,852.55	119.19	93.79	-144.626	-1,780.12	3,929.99	4,348.32	4,251.37	96.96	44.848	
14,700.00	9,836.07	9,415.00	5,852.55	121.41	93.79	-141.944	-1,780.12	3,929.99	4,373.43	4,275.86	97.57	44.822	
14,800.00	9,837.82	9,415.00	5,852.55	123.64	93.79	-139.446	-1,780.12	3,929.99	4,400.66	4,302.52	98.15	44.837	
14,900.00	9,839.57	9,415.00	5,852.55	125.86	93.79	-137.122	-1,780.12	3,929.99	4,429.99	4,331.30	98.69	44.889	
15,000.00	9,841.31	9,415.00	5,852.55	128.10	93.79	-134.960	-1,780.12	3,929.99	4,461.36	4,362.18	99.19	44.979	
15,100.00	9,843.06	9,415.00	5,852.55	130.33	93.79	-132.951	-1,780.12	3,929.99	4,494.75	4,395.09	99.65	45.104	
15,200.00	9,844.81	9,415.00	5,852.55	132.57	93.79	-131.083	-1,780.12	3,929.99	4,530.09	4,430.01	100.08	45.264	
15,300.00	9,846.56	9,415.00	5,852.55	134.81	93.79	-129.345	-1,780.12	3,929.99	4,567.35	4,466.87	100.47	45.458	
15,400.00	9,848.30	9,415.00	5,852.55	137.05	93.79	-127.727	-1,780.12	3,929.99	4,606.48	4,505.64	100.83	45.685	
15,500.00	9,850.05	9,415.00	5,852.55	139.29	93.79	-126.220	-1,780.12	3,929.99	4,647.43	4,546.27	101.16	45.942	
15,600.00	9,851.80	9,415.00	5,852.55	141.54	93.79	-124.813	-1,780.12	3,929.99	4,690.16	4,588.70	101.45	46.231	
15,697.28	9,853.50	9,415.00	5,852.55	143.73	93.79	-123.534	-1,780.12	3,929.99	4,733.38	4,631.67	101.71	46.539	
15,700.00	9,853.55	9,415.00	5,852.55	143.79	93.79	-123.500	-1,780.12	3,929.99	4,734.61	4,632.89	101.71	46.548	
15,702.33	9,853.58	9,415.00	5,852.55	143.84	93.79	-123.470	-1,780.12	3,929.99	4,735.66	4,633.94	101.72	46.556	
15,800.00	9,855.12	9,415.00	5,852.55	146.04	93.79	-122.272	-1,780.12	3,929.99	4,780.59	4,678.64	101.95	46.892	
15,900.00	9,856.69	9,415.00	5,852.55	148.29	93.79	-121.122	-1,780.12	3,929.99	4,828.21	4,726.06	102.16	47.263	
16,000.00	9,858.26	9,415.00	5,852.55	150.55	93.79	-120.044	-1,780.12	3,929.99	4,877.42	4,775.08	102.34	47.660	
16,100.00	9,859.83	9,415.00	5,852.55	152.80	93.79	-119.032	-1,780.12	3,929.99	4,928.16	4,825.67	102.49	48.083	
16,200.00	9,861.41	9,415.00	5,852.55	155.06	93.79	-118.081	-1,780.12	3,929.99	4,980.39	4,877.77	102.62	48.530	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #001H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	50.30	50.30	0.00	0.08	171.420	-3,310.19	499.47	3,347.66				
100.00	100.00	146.37	146.37	0.13	0.32	171.407	-3,310.25	500.21	3,347.83	3,347.39	0.44	7,548.931	
200.00	200.00	246.91	246.90	0.49	0.68	171.388	-3,310.30	501.37	3,348.06	3,346.90	1.16	2,880.295	
300.00	300.00	347.84	347.83	0.85	1.03	171.381	-3,310.41	501.75	3,348.22	3,346.35	1.88	1,785.286	
400.00	400.00	450.49	450.47	1.20	1.38	171.393	-3,310.68	501.08	3,348.39	3,345.80	2.58	1,295.988	
500.00	500.00	548.40	548.35	1.56	1.72	171.431	-3,311.07	498.90	3,348.44	3,345.17	3.28	1,021.909	
600.00	600.00	642.04	641.90	1.92	2.04	171.502	-3,311.94	494.85	3,348.73	3,344.76	3.96	845.296	
700.00	700.00	750.53	750.25	2.28	2.43	171.600	-3,313.10	489.24	3,349.03	3,344.33	4.70	711.844	
800.00	800.00	886.48	885.99	2.64	2.91	171.727	-3,313.67	481.84	3,348.68	3,343.13	5.55	603.300	
900.00	899.98	1,001.35	1,000.72	2.98	3.33	171.806	-3,313.06	476.26	3,345.89	3,339.59	6.31	530.616	
1,000.00	999.84	1,085.32	1,084.62	3.31	3.63	171.822	-3,312.56	472.85	3,340.07	3,333.13	6.94	481.291	
1,100.00	1,099.59	1,184.18	1,183.42	3.65	3.98	171.828	-3,312.20	469.21	3,332.98	3,325.35	7.63	436.699	
1,200.00	1,199.35	1,281.95	1,281.14	3.99	4.34	171.825	-3,311.77	466.08	3,325.89	3,317.57	8.32	399.583	
1,300.00	1,299.11	1,374.75	1,373.90	4.34	4.67	171.809	-3,311.39	463.77	3,318.93	3,309.93	9.00	368.784	
1,400.00	1,398.86	1,474.07	1,473.21	4.69	5.02	171.786	-3,311.06	461.83	3,312.12	3,302.42	9.70	341.395	
1,401.14	1,400.00	1,475.24	1,474.37	4.70	5.03	171.786	-3,311.06	461.81	3,312.04	3,302.33	9.71	341.101	
1,500.00	1,498.72	1,561.96	1,561.08	5.04	5.34	171.773	-3,310.85	460.15	3,306.93	3,296.57	10.36	319.078	
1,600.00	1,598.70	1,663.40	1,662.50	5.39	5.70	171.791	-3,310.95	458.27	3,305.18	3,294.10	11.08	298.412	
1,601.14	1,599.84	1,664.74	1,663.84	5.40	5.71	171.791	-3,310.95	458.25	3,305.18	3,294.09	11.08	298.177	
1,700.00	1,698.70	1,769.13	1,768.21	5.74	6.08	171.824	-3,310.76	456.31	3,304.73	3,292.92	11.80	279.952	
1,800.00	1,798.70	1,860.91	1,859.97	6.09	6.41	171.852	-3,310.62	454.65	3,304.33	3,291.84	12.49	264.660	
1,900.00	1,898.70	1,954.92	1,953.97	6.44	6.75	171.883	-3,310.78	452.88	3,304.22	3,291.05	13.17	250.804	
1,970.92	1,969.62	2,024.08	2,023.12	6.69	6.99	171.906	-3,310.94	451.58	3,304.20	3,290.53	13.67	241.658	
2,000.00	1,998.70	2,051.70	2,050.73	6.80	7.09	171.916	-3,311.03	450.98	3,304.21	3,290.33	13.87	238.141	
2,100.00	2,098.70	2,154.29	2,153.28	7.15	7.46	171.964	-3,311.48	448.24	3,304.27	3,289.67	14.60	226.357	
2,200.00	2,198.70	2,255.48	2,254.43	7.50	7.83	172.016	-3,311.79	445.29	3,304.16	3,288.84	15.32	215.723	
2,240.21	2,238.91	2,293.53	2,292.45	7.64	7.97	172.038	-3,311.95	444.00	3,304.15	3,288.55	15.60	211.849	
2,300.00	2,298.70	2,352.63	2,351.51	7.85	8.18	172.076	-3,312.26	441.87	3,304.16	3,288.13	16.02	206.219	
2,400.00	2,398.70	2,467.89	2,466.70	8.21	8.60	172.149	-3,312.72	437.66	3,304.06	3,287.27	16.79	196.739	
2,500.00	2,498.70	2,572.30	2,571.06	8.56	8.97	172.207	-3,312.55	434.27	3,303.46	3,285.94	17.53	188.486	
2,600.00	2,598.70	2,663.95	2,662.67	8.92	9.31	172.252	-3,312.48	431.65	3,303.00	3,284.79	18.21	181.356	
2,700.00	2,698.70	2,759.03	2,757.71	9.27	9.65	172.298	-3,312.64	429.01	3,302.79	3,283.88	18.91	174.646	
2,800.00	2,798.70	2,858.61	2,857.26	9.63	10.01	172.339	-3,312.81	426.63	3,302.63	3,283.01	19.63	168.279	
2,900.00	2,898.70	2,960.10	2,958.72	9.98	10.37	172.384	-3,312.98	424.02	3,302.47	3,282.12	20.35	162.303	
3,000.00	2,998.70	3,056.57	3,055.16	10.34	10.72	172.426	-3,313.13	421.61	3,302.29	3,281.24	21.05	156.867	
3,040.37	3,039.07	3,093.99	3,092.57	10.48	10.86	172.443	-3,313.24	420.64	3,302.27	3,280.94	21.33	154.816	
3,100.00	3,098.70	3,144.69	3,143.24	10.69	11.04	172.466	-3,313.48	419.34	3,302.35	3,280.62	21.73	152.003	
3,200.00	3,198.70	3,233.53	3,232.06	11.05	11.36	172.503	-3,314.20	417.25	3,302.83	3,280.43	22.40	147.439	
3,300.00	3,298.70	3,336.28	3,334.78	11.40	11.73	172.540	-3,315.10	415.21	3,303.45	3,280.32	23.13	142.843	
3,400.00	3,398.70	3,440.52	3,439.00	11.76	12.10	172.572	-3,315.75	413.46	3,303.84	3,279.99	23.86	138.488	
3,500.00	3,498.70	3,535.17	3,533.65	12.12	12.44	172.596	-3,316.38	412.18	3,304.34	3,279.79	24.55	134.591	
3,600.00	3,598.70	3,631.05	3,629.52	12.47	12.78	172.609	-3,317.06	411.48	3,304.95	3,279.70	25.25	130.912	
3,700.00	3,698.70	3,727.06	3,725.53	12.83	13.11	172.614	-3,317.84	411.29	3,305.72	3,279.79	25.94	127.456	
3,800.00	3,798.70	3,830.20	3,828.66	13.19	13.47	172.621	-3,318.67	410.99	3,306.48	3,279.83	26.65	124.060	
3,900.00	3,898.70	3,930.80	3,929.26	13.54	13.82	172.630	-3,319.42	410.55	3,307.17	3,279.80	27.36	120.864	
4,000.00	3,998.70	4,028.70	4,027.16	13.90	14.17	172.642	-3,320.21	409.98	3,307.89	3,279.83	28.07	117.864	
4,001.30	4,000.00	4,029.98	4,028.43	13.91	14.17	172.642	-3,320.22	409.97	3,307.90	3,279.83	28.07	117.826	
4,100.00	4,098.68	4,128.57	4,127.03	14.25	14.52	172.642	-3,321.08	409.32	3,307.15	3,278.39	28.76	114.972	
4,200.00	4,198.54	4,233.57	4,232.01	14.58	14.89	172.615	-3,321.89	408.63	3,303.19	3,273.72	29.47	112.081	
4,300.00	4,298.16	4,345.39	4,343.83	14.92	15.29	172.553	-3,322.47	408.43	3,295.93	3,265.73	30.20	109.136	
4,400.00	4,397.41	4,456.81	4,455.25	15.27	15.68	172.463	-3,322.48	408.15	3,285.04	3,254.11	30.93	106.212	
4,444.20	4,441.13	4,501.29	4,499.74	15.42	15.83	172.413	-3,322.42	408.09	3,279.20	3,247.97	31.24	104.983	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #001H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,500.00	4,496.27	4,555.81	4,554.26	15.61	16.02	172.346	-3,322.35	408.05	3,271.45	3,239.84	31.61	103.487	
4,600.00	4,595.08	4,660.47	4,658.91	15.96	16.38	172.225	-3,322.17	407.96	3,257.54	3,225.22	32.31	100.813	
4,700.00	4,693.89	4,766.05	4,764.49	16.32	16.75	172.106	-3,321.73	407.67	3,243.37	3,210.35	33.02	98.226	
4,800.00	4,792.69	4,854.30	4,852.75	16.68	17.06	171.984	-3,321.35	407.50	3,229.23	3,195.56	33.67	95.903	
4,900.00	4,891.50	4,945.05	4,943.49	17.04	17.38	171.863	-3,321.40	407.25	3,215.55	3,181.21	34.34	93.642	
5,000.00	4,990.31	5,055.04	5,053.48	17.40	17.77	171.743	-3,321.37	406.85	3,201.80	3,166.72	35.08	91.284	
5,100.00	5,089.11	5,154.25	5,152.69	17.76	18.12	171.624	-3,321.03	406.35	3,187.72	3,151.95	35.78	89.104	
5,200.00	5,187.92	5,249.15	5,247.59	18.13	18.46	171.501	-3,320.89	406.04	3,173.88	3,137.42	36.46	87.047	
5,300.00	5,286.73	11,417.91	8,434.88	18.50	61.32	73.501	-120.06	189.69	3,106.30	3,069.95	36.36	85.435	
5,400.00	5,385.54	11,398.34	8,435.34	18.87	61.04	74.820	-139.62	189.78	3,008.67	2,972.20	36.47	82.495	
5,500.00	5,484.34	11,379.04	8,435.78	19.25	60.76	76.052	-158.92	189.91	2,911.08	2,874.48	36.59	79.549	
5,600.00	5,583.15	11,360.00	8,436.20	19.62	60.48	77.200	-177.95	190.08	2,813.54	2,776.81	36.73	76.598	
5,700.00	5,681.96	11,341.21	8,436.58	20.00	60.21	78.266	-196.73	190.28	2,716.07	2,679.19	36.88	73.642	
5,800.00	5,780.77	11,323.00	8,436.94	20.38	59.95	79.190	-214.94	190.52	2,618.67	2,581.62	37.05	70.678	
5,900.00	5,879.57	11,307.74	8,437.24	20.76	59.73	79.519	-230.20	190.73	2,521.37	2,484.11	37.26	67.671	
6,000.00	5,978.38	11,292.63	8,437.54	21.14	59.52	79.806	-245.30	190.94	2,424.19	2,386.70	37.49	64.669	
6,100.00	6,077.19	11,277.43	8,437.86	21.53	59.30	80.102	-260.49	191.15	2,327.14	2,289.40	37.73	61.674	
6,200.00	6,175.99	11,262.13	8,438.18	21.91	59.08	80.407	-275.79	191.36	2,230.23	2,192.23	38.00	58.688	
6,300.00	6,274.80	11,246.73	8,438.51	22.30	58.86	80.721	-291.19	191.57	2,133.49	2,095.19	38.30	55.710	
6,400.00	6,373.61	11,231.22	8,438.86	22.69	58.64	81.042	-306.69	191.79	2,036.94	1,998.32	38.62	52.741	
6,500.00	6,472.42	11,215.03	8,439.23	23.07	58.40	81.474	-322.88	192.02	1,940.60	1,901.63	38.98	49.787	
6,587.49	6,558.87	11,200.67	8,439.55	23.41	58.20	81.874	-337.23	192.23	1,856.51	1,817.19	39.32	47.210	
6,600.00	6,571.23	11,198.64	8,439.60	23.46	58.17	81.931	-339.26	192.26	1,844.50	1,805.12	39.38	46.842	
6,700.00	6,670.34	11,184.22	8,439.92	23.85	57.97	82.365	-353.67	192.49	1,748.20	1,708.37	39.83	43.890	
6,800.00	6,769.86	11,172.99	8,440.18	24.22	57.81	82.778	-364.89	192.68	1,651.50	1,611.15	40.35	40.930	
6,900.00	6,869.66	11,164.97	8,440.36	24.58	57.69	83.173	-372.91	192.81	1,554.53	1,513.60	40.93	37.977	
7,000.00	6,969.61	11,160.16	8,440.47	24.93	57.62	83.555	-377.72	192.90	1,457.42	1,415.82	41.60	35.038	
7,030.39	7,000.00	11,159.34	8,440.49	25.04	57.61	83.669	-378.55	192.91	1,427.90	1,386.08	41.81	34.149	
7,100.00	7,069.61	11,157.78	8,440.52	25.27	57.59	83.930	-380.10	192.94	1,360.38	1,318.04	42.35	32.125	
7,200.00	7,169.61	11,155.56	8,440.57	25.61	57.56	84.305	-382.32	192.98	1,263.78	1,220.57	43.21	29.245	
7,300.00	7,269.61	11,153.33	8,440.62	25.94	57.53	84.680	-384.55	193.02	1,167.76	1,123.53	44.23	26.401	
7,400.00	7,369.61	11,151.10	8,440.68	26.28	57.50	85.056	-386.78	193.06	1,072.45	1,027.00	45.44	23.599	
7,500.00	7,469.61	11,148.88	8,440.73	26.62	57.46	85.432	-389.00	193.10	978.07	931.16	46.92	20.847	
7,600.00	7,569.61	11,146.65	8,440.78	26.96	57.43	85.808	-391.23	193.14	884.93	836.20	48.73	18.159	
7,700.00	7,669.61	11,144.42	8,440.83	27.30	57.40	86.184	-393.46	193.18	793.45	742.43	51.02	15.553	
7,800.00	7,769.61	11,142.19	8,440.88	27.64	57.37	86.561	-395.68	193.22	704.28	650.35	53.94	13.058	
7,900.00	7,869.61	11,139.97	8,440.93	27.98	57.34	86.938	-397.91	193.26	618.43	560.72	57.71	10.716	
8,000.00	7,969.61	11,137.74	8,440.98	28.32	57.31	87.315	-400.13	193.31	537.48	474.89	62.59	8.587	
8,100.00	8,069.61	11,135.51	8,441.03	28.66	57.27	87.693	-402.36	193.35	464.01	395.24	68.78	6.747	
8,200.00	8,169.61	11,133.28	8,441.08	29.00	57.24	88.070	-404.59	193.39	402.14	326.13	76.02	5.290	
8,300.00	8,269.61	11,132.00	8,441.11	29.34	57.22	88.288	-405.87	193.41	357.94	274.99	82.95	4.315	
8,400.00	8,369.61	11,132.00	8,441.11	29.68	57.22	88.288	-405.87	193.41	338.41	251.71	86.70	3.903	
8,418.00	8,387.61	11,132.00	8,441.11	29.74	57.22	88.288	-405.87	193.41	337.93	251.12	86.81	3.893	CC, ES, SF
8,500.00	8,469.61	11,126.99	8,441.22	30.02	57.15	89.137	-410.88	193.51	347.70	262.83	84.87	4.097	
8,600.00	8,569.61	11,124.86	8,441.27	30.37	57.12	89.498	-413.01	193.56	383.76	304.88	78.88	4.865	
8,700.00	8,669.61	11,122.70	8,441.32	30.71	57.09	89.865	-415.17	193.61	440.04	368.27	71.76	6.132	
8,800.00	8,769.61	11,120.50	8,441.38	31.05	57.06	90.237	-417.37	193.65	509.89	444.41	65.48	7.787	
8,900.00	8,869.61	11,118.26	8,441.43	31.40	57.03	90.616	-419.61	193.71	588.49	527.93	60.56	9.717	
9,000.00	8,969.61	11,115.98	8,441.48	31.74	57.00	91.002	-421.88	193.76	672.80	615.90	56.90	11.825	
9,100.00	9,069.61	11,113.67	8,441.54	32.09	56.96	91.394	-424.20	193.82	760.90	706.70	54.21	14.037	
9,200.00	9,169.61	11,111.31	8,441.60	32.43	56.93	91.792	-426.55	193.88	851.64	799.39	52.24	16.301	
9,224.94	9,194.55	11,110.72	8,441.61	32.52	56.92	91.893	-427.14	193.89	874.57	822.73	51.84	16.869	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #001H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,250.00	9,219.60	11,110.10	8,441.63	32.60	56.91	91.999	-427.76	193.91	897.52	846.08	51.45	17.446	
9,300.00	9,269.40	11,108.80	8,441.66	32.77	56.90	92.250	-429.06	193.94	942.29	891.67	50.62	18.616	
9,350.00	9,318.62	11,107.38	8,441.69	32.93	56.87	92.561	-430.48	193.98	985.58	935.82	49.76	19.808	
9,400.00	9,366.90	11,105.86	8,441.73	33.08	56.85	92.949	-432.00	194.02	1,027.28	978.38	48.89	21.011	
9,450.00	9,413.87	11,104.23	8,441.77	33.23	56.83	93.438	-433.62	194.06	1,067.27	1,019.23	48.04	22.215	
9,500.00	9,459.17	11,102.51	8,441.82	33.37	56.81	94.066	-435.34	194.11	1,105.45	1,058.22	47.23	23.408	
9,550.00	9,502.45	11,100.70	8,441.86	33.49	56.78	94.895	-437.16	194.16	1,141.72	1,095.26	46.47	24.572	
9,600.00	9,543.39	11,098.79	8,441.91	33.61	56.75	96.028	-439.06	194.22	1,176.00	1,130.23	45.78	25.689	
9,650.00	9,581.68	11,096.80	8,441.96	33.71	56.73	97.653	-441.05	194.28	1,208.21	1,163.03	45.18	26.741	
9,700.00	9,617.02	11,094.74	8,442.02	33.79	56.70	100.159	-443.11	194.34	1,238.27	1,193.57	44.70	27.705	
9,750.00	9,649.14	11,092.61	8,442.07	33.87	56.67	104.467	-445.24	194.41	1,266.11	1,221.78	44.33	28.558	
9,800.00	9,677.81	11,090.42	8,442.13	33.96	56.63	113.342	-447.42	194.48	1,291.67	1,247.56	44.11	29.282	
9,850.00	9,702.80	11,088.19	8,442.19	34.15	56.60	138.211	-449.66	194.55	1,314.90	1,270.86	44.04	29.856	
9,900.00	9,723.92	11,085.92	8,442.25	34.38	56.57	-157.929	-451.93	194.62	1,335.74	1,291.61	44.13	30.269	
9,950.00	9,741.01	11,083.62	8,442.31	34.63	56.54	-122.156	-454.21	194.70	1,354.15	1,309.77	44.38	30.511	
10,000.00	9,753.94	11,081.33	8,442.38	34.90	56.51	-110.519	-456.51	194.78	1,370.09	1,325.29	44.80	30.580	
10,050.00	9,762.61	11,079.05	8,442.44	35.20	56.47	-105.287	-458.79	194.86	1,383.53	1,338.14	45.39	30.481	
10,100.00	9,766.96	11,076.80	8,442.50	35.53	56.44	-102.369	-461.04	194.94	1,394.43	1,348.29	46.14	30.223	
10,120.94	9,767.49	11,075.87	8,442.53	35.67	56.43	-101.502	-461.96	194.97	1,398.24	1,351.74	46.50	30.073	
10,200.00	9,768.04	11,072.28	8,442.63	36.25	56.38	-99.279	-465.55	195.11	1,413.91	1,365.85	48.07	29.416	
10,300.00	9,768.74	11,067.41	8,442.76	37.10	56.31	-97.727	-470.42	195.29	1,439.72	1,389.30	50.42	28.556	
10,400.00	9,769.44	11,062.11	8,442.92	38.08	56.23	-96.826	-475.71	195.50	1,471.86	1,418.84	53.02	27.759	
10,500.00	9,770.14	11,056.34	8,443.09	39.16	56.15	-96.264	-481.47	195.74	1,509.94	1,454.20	55.74	27.091	
10,600.00	9,770.84	11,050.02	8,443.27	40.35	56.06	-95.903	-487.78	196.02	1,553.52	1,495.07	58.44	26.581	
10,700.00	9,771.53	11,043.07	8,443.49	41.64	55.96	-95.675	-494.71	196.33	1,602.14	1,541.07	61.07	26.234	
10,800.00	9,772.23	11,035.65	8,443.72	43.00	55.86	-95.527	-502.13	196.69	1,655.36	1,591.80	63.56	26.044	
10,900.00	9,772.93	11,030.88	8,443.87	44.45	55.79	-95.258	-506.89	196.92	1,712.76	1,646.85	65.90	25.989	
11,000.00	9,773.63	11,026.11	8,444.02	45.97	55.72	-95.038	-511.65	197.15	1,773.92	1,705.85	68.07	26.060	
11,100.00	9,774.33	11,021.34	8,444.17	47.55	55.66	-94.854	-516.41	197.39	1,838.49	1,768.43	70.06	26.243	
11,196.60	9,775.00	11,016.74	8,444.31	49.14	55.59	-94.702	-521.01	197.61	1,903.75	1,831.94	71.81	26.511	
11,200.00	9,775.03	11,016.58	8,444.32	49.19	55.59	-94.698	-521.17	197.62	1,906.10	1,834.23	71.87	26.522	
11,226.67	9,775.37	11,015.30	8,444.36	49.64	55.57	-94.660	-522.44	197.68	1,924.71	1,852.39	72.32	26.613	
11,300.00	9,776.65	11,011.78	8,444.47	50.89	55.52	-94.565	-525.96	197.85	1,977.09	1,903.59	73.50	26.899	
11,400.00	9,778.40	11,006.98	8,444.62	52.63	55.45	-94.450	-530.75	198.09	2,050.57	1,975.60	74.97	27.351	
11,500.00	9,780.14	11,002.18	8,444.77	54.42	55.39	-94.349	-535.54	198.32	2,126.20	2,049.90	76.30	27.865	
11,600.00	9,781.89	10,997.38	8,444.92	56.24	55.32	-94.260	-540.33	198.55	2,203.77	2,126.27	77.51	28.434	
11,700.00	9,783.64	10,992.58	8,445.07	58.10	55.25	-94.181	-545.12	198.79	2,283.08	2,204.48	78.59	29.050	
11,800.00	9,785.39	10,987.78	8,445.22	59.99	55.18	-94.110	-549.92	199.02	2,363.94	2,284.36	79.57	29.707	
11,900.00	9,787.14	10,982.98	8,445.37	61.91	55.12	-94.046	-554.71	199.26	2,446.21	2,365.75	80.46	30.402	
12,000.00	9,788.88	10,978.18	8,445.52	63.86	55.05	-93.988	-559.50	199.49	2,529.75	2,448.48	81.27	31.129	
12,100.00	9,790.63	10,973.38	8,445.67	65.83	54.98	-93.935	-564.29	199.72	2,614.43	2,532.44	82.00	31.885	
12,200.00	9,792.38	10,968.58	8,445.82	67.82	54.91	-93.887	-569.08	199.96	2,700.16	2,617.50	82.66	32.666	
12,300.00	9,794.13	10,963.78	8,445.97	69.83	54.84	-93.843	-573.88	200.19	2,786.82	2,703.56	83.26	33.471	
12,400.00	9,795.87	10,958.98	8,446.12	71.86	54.78	-93.802	-578.67	200.43	2,874.35	2,790.54	83.81	34.295	
12,500.00	9,797.62	10,919.00	8,447.60	73.91	54.21	-94.537	-618.56	202.54	2,962.62	2,878.58	84.04	35.254	
12,600.00	9,799.37	10,913.40	8,447.84	75.97	54.14	-94.491	-624.15	202.85	3,051.58	2,967.09	84.49	36.118	
12,700.00	9,801.12	10,907.80	8,448.07	78.05	54.06	-94.448	-629.74	203.17	3,141.19	3,056.29	84.90	36.997	
12,800.00	9,802.86	10,938.94	8,446.75	80.14	54.49	-93.685	-598.68	201.40	3,231.63	3,146.05	85.57	37.764	
12,900.00	9,804.61	10,913.85	8,447.62	82.24	54.14	-94.042	-623.72	202.68	3,322.43	3,236.67	85.77	38.737	
13,000.00	9,806.36	10,883.93	8,448.83	84.35	53.72	-94.466	-653.56	204.34	3,413.71	3,327.81	85.90	39.739	
13,100.00	9,808.11	10,847.66	8,450.56	86.48	53.22	-94.976	-689.72	206.55	3,505.42	3,419.44	85.97	40.773	
13,200.00	9,809.86	10,845.00	8,450.70	88.61	53.18	-94.874	-692.38	206.72	3,597.52	3,511.25	86.27	41.700	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #001H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-MWD

Offset Well Error: 0.00 usft

Rule Assigned: Distance

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.00	9,811.60	10,845.00	8,450.70	90.75	53.18	-94.733	-692.38	206.72	3,690.04	3,603.47	86.57	42.626	
13,400.00	9,813.35	10,845.00	8,450.70	92.90	53.18	-94.600	-692.38	206.72	3,782.94	3,696.09	86.85	43.559	
13,500.00	9,815.10	10,845.00	8,450.70	95.06	53.18	-94.475	-692.38	206.72	3,876.19	3,789.08	87.11	44.498	
13,600.00	9,816.85	10,845.00	8,450.70	97.22	53.18	-94.356	-692.38	206.72	3,969.77	3,882.41	87.36	45.443	
13,700.00	9,818.59	10,845.00	8,450.70	99.40	53.18	-94.244	-692.38	206.72	4,063.66	3,976.07	87.59	46.393	
13,800.00	9,820.34	10,845.00	8,450.70	101.58	53.18	-94.137	-692.38	206.72	4,157.83	4,070.01	87.81	47.348	
13,900.00	9,822.09	10,845.00	8,450.70	103.76	53.18	-94.036	-692.38	206.72	4,252.27	4,164.24	88.03	48.307	
14,000.00	9,823.84	10,845.00	8,450.70	105.95	53.18	-93.940	-692.38	206.72	4,346.95	4,258.73	88.23	49.270	
14,100.00	9,825.58	10,845.00	8,450.70	108.15	53.18	-93.848	-692.38	206.72	4,441.87	4,353.45	88.42	50.237	
14,200.00	9,827.33	10,845.00	8,450.70	110.35	53.18	-93.760	-692.38	206.72	4,537.01	4,448.41	88.60	51.207	
14,300.00	9,829.08	10,845.00	8,450.70	112.55	53.18	-93.677	-692.38	206.72	4,632.35	4,543.57	88.78	52.179	
14,400.00	9,830.83	10,845.00	8,450.70	114.76	53.18	-93.597	-692.38	206.72	4,727.89	4,638.94	88.95	53.154	
14,500.00	9,832.58	10,845.00	8,450.70	116.97	53.18	-93.520	-692.38	206.72	4,823.60	4,734.49	89.11	54.131	
14,600.00	9,834.32	10,845.00	8,450.70	119.19	53.18	-93.447	-692.38	206.72	4,919.49	4,830.22	89.27	55.111	

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #002H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	53.33	53.33	0.00	0.08	155.043	-3,307.19	1,539.17	3,647.81				
100.00	100.00	153.24	153.24	0.13	0.33	155.046	-3,307.37	1,539.00	3,647.90	3,647.44	0.46	7,930.447	
200.00	200.00	254.76	254.76	0.49	0.69	155.046	-3,307.38	1,539.04	3,647.93	3,646.76	1.17	3,112.436	
300.00	300.00	351.77	351.77	0.85	1.03	155.048	-3,307.47	1,538.93	3,647.97	3,646.10	1.87	1,948.776	
400.00	400.00	434.48	434.48	1.20	1.32	155.057	-3,307.91	1,538.47	3,648.23	3,645.70	2.52	1,445.557	
500.00	500.00	506.36	506.35	1.56	1.58	155.064	-3,308.73	1,538.39	3,649.21	3,646.07	3.14	1,163.112	
600.00	600.00	600.00	599.98	1.92	1.91	155.060	-3,309.84	1,539.20	3,650.65	3,646.82	3.83	954.273	
700.00	700.00	739.24	739.22	2.28	2.40	155.050	-3,310.74	1,540.32	3,651.56	3,646.88	4.67	781.098	
800.00	800.00	850.85	850.82	2.64	2.79	155.048	-3,310.93	1,540.52	3,651.77	3,646.35	5.43	672.818	
900.00	899.98	953.11	953.08	2.98	3.15	155.031	-3,311.08	1,540.44	3,650.62	3,644.49	6.13	595.526	
1,000.00	999.84	1,067.67	1,067.64	3.31	3.55	154.975	-3,311.03	1,540.34	3,646.79	3,639.93	6.86	531.625	
1,100.00	1,099.59	1,164.77	1,164.74	3.65	3.88	154.894	-3,310.55	1,540.47	3,641.38	3,633.85	7.53	483.676	
1,200.00	1,199.35	1,268.97	1,268.93	3.99	4.24	154.806	-3,310.01	1,541.03	3,636.14	3,627.92	8.23	441.988	
1,300.00	1,299.11	1,364.80	1,364.77	4.34	4.57	154.723	-3,309.47	1,541.24	3,630.74	3,621.84	8.90	407.850	
1,400.00	1,398.86	1,462.84	1,462.81	4.69	4.91	154.646	-3,309.30	1,541.14	3,625.55	3,615.96	9.59	378.079	
1,401.14	1,400.00	1,464.03	1,463.99	4.70	4.91	154.645	-3,309.30	1,541.14	3,625.49	3,615.89	9.60	377.755	
1,500.00	1,498.72	1,556.77	1,556.73	5.04	5.23	154.586	-3,309.08	1,541.15	3,621.58	3,611.31	10.26	352.817	
1,598.32	1,597.02	1,650.02	1,649.98	5.39	5.56	154.564	-3,309.05	1,541.32	3,620.35	3,609.41	10.93	331.115	
1,600.00	1,598.70	1,651.72	1,651.68	5.39	5.56	154.564	-3,309.05	1,541.32	3,620.35	3,609.40	10.95	330.757	
1,601.14	1,599.84	1,652.87	1,652.84	5.40	5.57	154.564	-3,309.05	1,541.32	3,620.35	3,609.39	10.95	330.515	
1,700.00	1,698.70	1,751.76	1,751.73	5.74	5.91	154.562	-3,309.07	1,541.41	3,620.41	3,608.76	11.65	310.851	
1,800.00	1,798.70	1,851.63	1,851.60	6.09	6.27	154.560	-3,309.09	1,541.56	3,620.48	3,608.13	12.35	293.183	
1,900.00	1,898.70	1,957.07	1,957.03	6.44	6.64	154.557	-3,309.01	1,541.79	3,620.51	3,607.44	13.07	277.004	
2,000.00	1,998.70	2,061.68	2,061.64	6.80	7.00	154.554	-3,308.77	1,541.88	3,620.34	3,606.55	13.79	262.583	
2,100.00	2,098.70	2,167.00	2,166.96	7.15	7.37	154.552	-3,308.48	1,541.85	3,620.08	3,605.58	14.51	249.549	
2,200.00	2,198.70	2,263.60	2,263.56	7.50	7.70	154.551	-3,308.15	1,541.75	3,619.73	3,604.53	15.20	238.192	
2,300.00	2,298.70	2,358.80	2,358.77	7.85	8.04	154.550	-3,307.97	1,541.74	3,619.56	3,603.67	15.88	227.896	
2,400.00	2,398.70	2,459.61	2,459.58	8.21	8.39	154.551	-3,307.90	1,541.62	3,619.44	3,602.85	16.59	218.198	
2,500.00	2,498.70	2,554.81	2,554.77	8.56	8.72	154.550	-3,307.76	1,541.62	3,619.31	3,602.04	17.27	209.512	
2,505.77	2,504.47	2,560.01	2,559.97	8.58	8.74	154.550	-3,307.76	1,541.62	3,619.31	3,602.00	17.31	209.044	
2,600.00	2,598.70	2,653.26	2,653.22	8.92	9.06	154.551	-3,307.83	1,541.64	3,619.38	3,601.40	17.97	201.379	
2,656.40	2,655.10	2,710.65	2,710.61	9.12	9.26	154.552	-3,307.85	1,541.58	3,619.37	3,600.99	18.37	196.996	
2,700.00	2,698.70	2,747.25	2,747.22	9.27	9.39	154.552	-3,307.89	1,541.56	3,619.41	3,600.75	18.66	194.018	
2,800.00	2,798.70	2,848.44	2,848.40	9.63	9.74	154.552	-3,308.18	1,541.71	3,619.74	3,600.37	19.36	186.936	
2,900.00	2,898.70	2,957.68	2,957.64	9.98	10.12	154.547	-3,307.97	1,541.98	3,619.65	3,599.55	20.10	180.063	
3,000.00	2,998.70	3,054.55	3,054.51	10.34	10.47	154.537	-3,307.68	1,542.49	3,619.61	3,598.81	20.80	174.029	
3,015.34	3,014.04	3,069.58	3,069.54	10.39	10.52	154.534	-3,307.59	1,542.67	3,619.61	3,598.70	20.91	173.134	
3,100.00	3,098.70	3,136.35	3,136.29	10.69	10.75	154.514	-3,307.13	1,543.87	3,619.75	3,598.31	21.44	168.806	
3,200.00	3,198.70	3,200.00	3,199.91	11.05	10.98	154.484	-3,306.83	1,545.84	3,620.69	3,598.67	22.02	164.405	
3,300.00	3,298.70	3,267.72	3,267.56	11.40	11.22	154.439	-3,306.74	1,548.94	3,622.58	3,599.97	22.62	160.179	
3,400.00	3,398.70	3,361.02	3,360.69	11.76	11.55	154.358	-3,306.81	1,554.63	3,625.27	3,601.97	23.30	155.582	
3,500.00	3,498.70	3,458.81	3,458.28	12.12	11.89	154.269	-3,306.57	1,560.77	3,627.77	3,603.77	24.00	151.131	
3,600.00	3,598.70	3,545.20	3,544.49	12.47	12.20	154.189	-3,306.56	1,566.42	3,630.61	3,605.94	24.67	147.191	
3,700.00	3,698.70	3,645.96	3,644.99	12.83	12.56	154.085	-3,306.53	1,573.69	3,633.74	3,608.36	25.38	143.164	
3,800.00	3,798.70	3,764.54	3,763.29	13.19	12.99	153.969	-3,306.20	1,581.74	3,636.46	3,610.29	26.16	138.986	
3,900.00	3,898.70	3,884.96	3,883.54	13.54	13.42	153.874	-3,305.98	1,588.32	3,638.71	3,611.75	26.95	135.000	
4,000.00	3,998.70	3,989.03	3,987.46	13.90	13.79	153.795	-3,305.48	1,593.72	3,640.56	3,612.88	27.68	131.509	
4,001.30	4,000.00	3,990.35	3,988.78	13.91	13.80	153.794	-3,305.47	1,593.79	3,640.59	3,612.89	27.69	131.465	
4,100.00	4,098.68	4,082.41	4,080.70	14.25	14.13	153.703	-3,305.03	1,598.66	3,641.28	3,612.92	28.36	128.381	
4,200.00	4,198.54	4,173.62	4,171.79	14.58	14.46	153.575	-3,304.81	1,603.48	3,639.78	3,610.76	29.03	125.399	
4,300.00	4,298.16	4,255.34	4,253.39	14.92	14.75	153.414	-3,304.83	1,607.96	3,636.19	3,606.53	29.66	122.616	
4,400.00	4,397.41	4,339.94	4,337.82	15.27	15.06	153.204	-3,305.03	1,613.24	3,630.73	3,600.43	30.30	119.835	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #002H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,444.20	4,441.13	4,381.31	4,379.10	15.42	15.21	153.092	-3,305.14	1,615.97	3,627.64	3,597.04	30.60	118.559	
4,500.00	4,496.27	4,436.02	4,433.69	15.61	15.40	152.945	-3,305.29	1,619.59	3,623.49	3,592.50	30.99	116.939	
4,600.00	4,595.08	4,537.01	4,534.50	15.96	15.77	152.689	-3,305.92	1,625.51	3,616.06	3,584.36	31.70	114.089	
4,700.00	4,693.89	4,636.34	4,633.67	16.32	16.13	152.436	-3,306.52	1,631.24	3,608.64	3,576.24	32.40	111.376	
4,800.00	4,792.69	4,740.25	4,737.39	16.68	16.50	152.175	-3,307.06	1,637.37	3,601.29	3,568.16	33.13	108.717	
4,900.00	4,891.50	4,855.63	4,852.62	17.04	16.92	151.915	-3,307.59	1,643.32	3,593.60	3,559.71	33.90	106.021	
5,000.00	4,990.31	4,964.77	4,961.64	17.40	17.32	151.662	-3,307.83	1,648.58	3,585.62	3,550.98	34.64	103.502	
5,100.00	5,089.11	5,061.72	5,058.49	17.76	17.67	151.421	-3,308.06	1,652.90	3,577.54	3,542.19	35.35	101.209	
5,200.00	5,187.92	11,268.19	8,329.48	18.13	60.89	86.294	-74.53	1,594.13	3,504.51	3,456.02	48.48	72.281	
5,300.00	5,286.73	11,255.47	8,329.65	18.50	60.70	86.243	-87.23	1,594.66	3,420.73	3,371.47	49.26	69.448	
5,400.00	5,385.54	11,242.65	8,329.82	18.87	60.52	86.196	-100.04	1,595.20	3,337.78	3,287.72	50.07	66.666	
5,500.00	5,484.34	11,229.72	8,330.00	19.25	60.33	86.154	-112.96	1,595.75	3,255.74	3,204.82	50.92	63.938	
5,600.00	5,583.15	11,181.28	8,330.34	19.62	59.62	87.320	-161.35	1,597.91	3,174.54	3,123.05	51.50	61.645	
5,700.00	5,681.96	11,182.88	8,330.62	20.00	59.64	86.781	-159.76	1,597.80	3,094.59	3,042.02	52.57	58.865	
5,800.00	5,780.77	11,129.72	8,330.58	20.38	58.87	88.096	-212.85	1,600.22	3,015.47	2,962.27	53.19	56.690	
5,900.00	5,879.57	11,114.00	8,330.40	20.76	58.64	88.142	-228.56	1,600.96	2,937.44	2,883.23	54.21	54.189	
6,000.00	5,978.38	11,096.23	8,330.20	21.14	58.38	88.256	-246.30	1,601.75	2,860.69	2,805.44	55.25	51.774	
6,100.00	6,077.19	11,084.76	8,330.12	21.53	58.22	88.158	-257.77	1,602.22	2,785.39	2,728.97	56.41	49.376	
6,200.00	6,175.99	11,072.68	8,330.07	21.91	58.04	88.081	-269.84	1,602.67	2,711.61	2,654.00	57.62	47.063	
6,300.00	6,274.80	11,059.95	8,330.07	22.30	57.86	88.027	-282.57	1,603.11	2,639.50	2,580.63	58.87	44.838	
6,400.00	6,373.61	11,046.50	8,330.12	22.69	57.67	87.997	-296.01	1,603.52	2,569.19	2,509.02	60.16	42.703	
6,500.00	6,472.42	11,032.27	8,330.23	23.07	57.46	87.992	-310.23	1,603.90	2,500.81	2,439.31	61.50	40.661	
6,587.49	6,558.87	11,020.36	8,330.37	23.41	57.29	87.971	-322.14	1,604.18	2,442.70	2,379.98	62.72	38.946	
6,600.00	6,571.23	11,016.44	8,330.42	23.46	57.23	88.042	-326.06	1,604.26	2,434.52	2,371.65	62.87	38.722	
6,700.00	6,670.34	10,990.67	8,330.66	23.85	56.86	88.482	-351.82	1,604.81	2,369.68	2,305.51	64.17	36.927	
6,800.00	6,769.86	10,973.64	8,330.70	24.22	56.62	88.741	-368.85	1,605.19	2,306.04	2,240.45	65.59	35.158	
6,900.00	6,869.66	10,963.92	8,330.67	24.58	56.48	88.866	-378.56	1,605.41	2,243.88	2,176.77	67.11	33.435	
7,000.00	6,969.61	10,960.39	8,330.66	24.93	56.43	88.896	-382.10	1,605.49	2,183.44	2,114.72	68.72	31.774	
7,030.39	7,000.00	10,960.39	8,330.66	25.04	56.43	88.891	-382.09	1,605.49	2,165.45	2,096.23	69.22	31.284	
7,100.00	7,069.61	10,960.92	8,330.66	25.27	56.44	88.873	-381.56	1,605.48	2,125.21	2,054.83	70.38	30.198	
7,200.00	7,169.61	10,961.63	8,330.66	25.61	56.45	88.850	-380.85	1,605.46	2,070.12	1,998.07	72.05	28.732	
7,300.00	7,269.61	10,962.27	8,330.67	25.94	56.46	88.829	-380.22	1,605.45	2,018.48	1,944.76	73.72	27.379	
7,400.00	7,369.61	10,962.85	8,330.67	26.28	56.47	88.810	-379.63	1,605.44	1,970.58	1,895.20	75.38	26.142	
7,500.00	7,469.61	10,963.39	8,330.67	26.62	56.47	88.793	-379.10	1,605.42	1,926.67	1,849.67	77.00	25.022	
7,600.00	7,569.61	10,963.88	8,330.67	26.96	56.48	88.777	-378.60	1,605.41	1,887.05	1,808.49	78.56	24.020	
7,700.00	7,669.61	10,964.33	8,330.67	27.30	56.49	88.762	-378.15	1,605.40	1,851.98	1,771.94	80.04	23.139	
7,800.00	7,769.61	10,964.76	8,330.68	27.64	56.49	88.748	-377.73	1,605.39	1,821.74	1,740.33	81.40	22.379	
7,900.00	7,869.61	10,965.15	8,330.68	27.98	56.50	88.735	-377.33	1,605.38	1,796.55	1,713.92	82.63	21.741	
8,000.00	7,969.61	10,965.51	8,330.68	28.32	56.50	88.723	-376.97	1,605.37	1,776.65	1,692.95	83.70	21.225	
8,100.00	8,069.61	10,965.85	8,330.68	28.66	56.51	88.712	-376.63	1,605.37	1,762.21	1,677.62	84.59	20.832	
8,200.00	8,169.61	10,966.17	8,330.68	29.00	56.51	88.702	-376.31	1,605.36	1,753.36	1,668.08	85.28	20.560	
8,300.00	8,269.61	10,966.47	8,330.68	29.34	56.52	88.692	-376.01	1,605.35	1,750.19	1,664.43	85.75	20.409	
8,305.57	8,275.18	10,966.49	8,330.68	29.36	56.52	88.691	-375.99	1,605.35	1,750.18	1,664.40	85.78	20.404	
8,400.00	8,369.61	10,966.75	8,330.68	29.68	56.52	88.683	-375.73	1,605.35	1,752.72	1,666.71	86.01	20.377 SF	
8,500.00	8,469.61	10,967.02	8,330.68	30.02	56.53	88.674	-375.47	1,605.34	1,760.94	1,674.89	86.06	20.463	
8,600.00	8,569.61	10,967.27	8,330.68	30.37	56.53	88.666	-375.22	1,605.33	1,774.77	1,688.88	85.89	20.663	
8,700.00	8,669.61	10,967.50	8,330.68	30.71	56.53	88.658	-374.98	1,605.33	1,794.07	1,708.54	85.53	20.976	
8,800.00	8,769.61	10,967.72	8,330.69	31.05	56.54	88.651	-374.76	1,605.32	1,818.68	1,733.68	84.99	21.398	
8,900.00	8,869.61	10,967.94	8,330.69	31.40	56.54	88.644	-374.55	1,605.32	1,848.37	1,764.06	84.31	21.925	
9,000.00	8,969.61	10,968.14	8,330.69	31.74	56.54	88.637	-374.35	1,605.31	1,882.91	1,799.42	83.49	22.553	
9,100.00	9,069.61	10,968.33	8,330.69	32.09	56.55	88.631	-374.16	1,605.31	1,922.04	1,839.47	82.57	23.278	
9,200.00	9,169.61	10,968.51	8,330.69	32.43	56.55	88.625	-373.97	1,605.31	1,965.48	1,883.91	81.57	24.095	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #002H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,224.94	9,194.55	10,968.55	8,330.69	32.52	56.55	88.624	-373.93	1,605.31	1,976.95	1,895.64	81.31	24.313	
9,250.00	9,219.60	10,968.59	8,330.69	32.60	56.55	88.622	-373.90	1,605.30	1,988.25	1,907.20	81.04	24.533	
9,300.00	9,269.40	10,968.60	8,330.69	32.77	56.55	88.618	-373.88	1,605.30	2,008.59	1,928.11	80.47	24.959	
9,350.00	9,318.62	10,968.55	8,330.69	32.93	56.55	88.613	-373.93	1,605.31	2,025.95	1,946.09	79.86	25.368	
9,400.00	9,366.90	10,968.44	8,330.69	33.08	56.55	88.607	-374.04	1,605.31	2,040.29	1,961.09	79.21	25.759	
9,450.00	9,413.87	10,968.26	8,330.69	33.23	56.54	88.600	-374.22	1,605.31	2,051.56	1,973.05	78.51	26.131	
9,500.00	9,459.17	10,968.03	8,330.69	33.37	56.54	88.591	-374.45	1,605.32	2,059.73	1,981.95	77.78	26.483	
9,550.00	9,502.45	10,967.74	8,330.69	33.49	56.54	88.581	-374.74	1,605.32	2,064.76	1,987.76	77.00	26.815	
9,600.00	9,543.39	10,967.40	8,330.68	33.61	56.53	88.570	-375.09	1,605.33	2,066.65	1,990.45	76.19	27.124	
9,650.00	9,581.68	10,967.00	8,330.68	33.71	56.53	88.557	-375.48	1,605.34	2,065.38	1,990.03	75.35	27.411	
9,700.00	9,617.02	10,966.56	8,330.68	33.79	56.52	88.542	-375.92	1,605.35	2,060.97	1,986.49	74.47	27.674	
9,750.00	9,649.14	10,966.08	8,330.68	33.87	56.51	88.525	-376.40	1,605.36	2,053.42	1,979.84	73.57	27.909	
9,800.00	9,677.81	10,965.56	8,330.68	33.96	56.51	88.506	-376.92	1,605.37	2,042.76	1,970.10	72.65	28.117	
9,850.00	9,702.80	10,965.00	8,330.68	34.15	56.50	88.486	-377.48	1,605.39	2,029.01	1,957.30	71.71	28.293	
9,900.00	9,723.92	10,964.41	8,330.67	34.38	56.49	88.464	-378.07	1,605.40	2,012.24	1,941.48	70.76	28.437	
9,950.00	9,741.01	10,963.79	8,330.67	34.63	56.48	88.439	-378.69	1,605.41	1,992.48	1,922.67	69.80	28.544	
10,000.00	9,753.94	10,963.15	8,330.67	34.90	56.47	88.412	-379.34	1,605.43	1,969.80	1,900.95	68.85	28.612	
10,050.00	9,762.61	10,962.48	8,330.67	35.20	56.46	88.383	-380.01	1,605.44	1,944.27	1,876.38	67.89	28.637	
10,100.00	9,766.96	10,961.79	8,330.66	35.53	56.45	88.352	-380.70	1,605.46	1,915.98	1,849.03	66.95	28.617	
10,120.94	9,767.49	10,961.49	8,330.66	35.67	56.45	88.339	-380.99	1,605.47	1,903.34	1,836.77	66.56	28.594	
10,200.00	9,768.04	10,960.37	8,330.66	36.25	56.43	88.283	-382.11	1,605.49	1,855.76	1,790.71	65.06	28.526	
10,300.00	9,768.74	10,958.95	8,330.65	37.10	56.41	88.200	-383.53	1,605.53	1,798.77	1,735.71	63.05	28.527	
10,400.00	9,769.44	10,957.53	8,330.64	38.08	56.39	88.100	-384.95	1,605.56	1,745.64	1,684.67	60.97	28.632	
10,500.00	9,770.14	10,956.09	8,330.63	39.16	56.37	87.974	-386.39	1,605.59	1,696.75	1,637.92	58.83	28.841	
10,600.00	9,770.84	10,954.65	8,330.62	40.35	56.35	87.814	-387.83	1,605.63	1,652.47	1,595.78	56.69	29.150	
10,700.00	9,771.53	10,953.21	8,330.61	41.64	56.33	87.601	-389.27	1,605.66	1,613.18	1,558.58	54.60	29.544	
10,800.00	9,772.23	10,951.75	8,330.60	43.00	56.31	87.304	-390.72	1,605.69	1,579.25	1,526.60	52.65	29.995	
10,900.00	9,772.93	10,950.29	8,330.59	44.45	56.29	86.861	-392.18	1,605.73	1,551.03	1,500.10	50.93	30.456	
11,000.00	9,773.63	10,948.83	8,330.58	45.97	56.27	86.126	-393.65	1,605.76	1,528.84	1,479.31	49.54	30.863	
11,100.00	9,774.33	10,947.35	8,330.56	47.55	56.25	84.671	-395.12	1,605.80	1,512.95	1,464.37	48.58	31.143	
11,196.60	9,775.00	10,945.93	8,330.55	49.14	56.22	80.694	-396.55	1,605.83	1,503.76	1,455.61	48.15	31.228	
11,200.00	9,775.03	10,945.88	8,330.55	49.19	56.22	80.420	-396.60	1,605.83	1,503.55	1,455.41	48.15	31.227	
11,226.67	9,775.37	10,945.48	8,330.54	49.64	56.22	77.448	-397.00	1,605.84	1,502.32	1,454.19	48.13	31.214	
11,276.02	9,776.23	10,944.75	8,330.54	50.48	56.21	58.562	-397.73	1,605.86	1,501.51	1,453.30	48.21	31.147	CC, ES
11,300.00	9,776.65	10,944.40	8,330.53	50.89	56.20	8.198	-398.08	1,605.87	1,501.70	1,453.40	48.30	31.094	
11,400.00	9,778.40	10,942.91	8,330.52	52.63	56.18	-81.828	-399.56	1,605.90	1,506.62	1,457.59	49.02	30.733	
11,500.00	9,780.14	10,941.42	8,330.50	54.42	56.16	-86.407	-401.06	1,605.94	1,518.12	1,467.83	50.28	30.191	
11,600.00	9,781.89	10,939.92	8,330.48	56.24	56.14	-87.925	-402.55	1,605.97	1,536.05	1,484.06	51.99	29.545	
11,700.00	9,783.64	10,921.84	8,330.23	58.10	55.88	-91.070	-420.63	1,606.41	1,560.31	1,506.38	53.93	28.932	
11,800.00	9,785.39	10,919.44	8,330.23	59.99	55.85	-91.146	-423.03	1,606.47	1,590.37	1,534.19	56.18	28.310	
11,900.00	9,787.14	10,917.04	8,330.23	61.91	55.81	-91.197	-425.42	1,606.53	1,626.02	1,567.48	58.54	27.778	
12,000.00	9,788.88	10,914.64	8,330.22	63.86	55.78	-91.233	-427.82	1,606.59	1,666.91	1,605.99	60.92	27.362	
12,100.00	9,790.63	10,912.24	8,330.22	65.83	55.74	-91.260	-430.22	1,606.65	1,712.67	1,649.41	63.27	27.071	
12,200.00	9,792.38	10,909.84	8,330.21	67.82	55.71	-91.281	-432.62	1,606.71	1,762.92	1,697.40	65.52	26.905	
12,300.00	9,794.13	10,941.95	8,330.63	69.83	56.17	-89.316	-400.53	1,605.92	1,817.30	1,749.37	67.93	26.753	
12,400.00	9,795.87	10,937.30	8,330.52	71.86	56.10	-89.627	-405.17	1,606.03	1,875.46	1,805.54	69.92	26.823	
12,500.00	9,797.62	10,932.62	8,330.42	73.91	56.03	-89.889	-409.86	1,606.15	1,937.04	1,865.27	71.77	26.990	
12,600.00	9,799.37	10,927.88	8,330.32	75.97	55.97	-90.112	-414.59	1,606.26	2,001.71	1,928.24	73.47	27.245	
12,700.00	9,801.12	10,923.10	8,330.24	78.05	55.90	-90.305	-419.37	1,606.38	2,069.19	1,994.16	75.03	27.578	
12,800.00	9,802.86	10,918.26	8,330.16	80.14	55.83	-90.475	-424.20	1,606.50	2,139.22	2,062.76	76.46	27.979	
12,900.00	9,804.61	10,913.38	8,330.08	82.24	55.76	-90.625	-429.08	1,606.62	2,211.54	2,133.78	77.76	28.442	
13,000.00	9,806.36	10,908.45	8,330.02	84.35	55.69	-90.759	-434.01	1,606.74	2,285.95	2,207.01	78.94	28.959	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Dump Yard 2 State #002H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-MWD — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,100.00	9,808.11	10,903.47	8,329.96	86.48	55.62	-90.880	-438.99	1,606.86	2,362.24	2,282.23	80.01	29.523	
13,200.00	9,809.86	10,898.43	8,329.91	88.61	55.55	-90.989	-444.02	1,606.99	2,440.24	2,359.25	80.99	30.131	
13,300.00	9,811.60	10,893.35	8,329.86	90.75	55.48	-91.089	-449.11	1,607.11	2,519.79	2,437.91	81.88	30.776	
13,400.00	9,813.35	10,888.21	8,329.83	92.90	55.40	-91.181	-454.25	1,607.24	2,600.75	2,518.06	82.68	31.454	
13,500.00	9,815.10	10,883.02	8,329.80	95.06	55.33	-91.266	-459.44	1,607.37	2,682.98	2,599.57	83.42	32.163	
13,600.00	9,816.85	10,877.77	8,329.78	97.22	55.26	-91.345	-464.68	1,607.50	2,766.39	2,682.30	84.09	32.900	
13,700.00	9,818.59	10,872.46	8,329.77	99.40	55.18	-91.419	-469.99	1,607.64	2,850.86	2,766.16	84.70	33.660	
13,800.00	9,820.34	10,867.10	8,329.77	101.58	55.11	-91.488	-475.34	1,607.77	2,936.30	2,851.04	85.25	34.443	
13,900.00	9,822.09	10,861.68	8,329.78	103.76	55.03	-91.553	-480.76	1,607.91	3,022.62	2,936.86	85.76	35.245	
14,000.00	9,823.84	10,856.21	8,329.80	105.95	54.95	-91.615	-486.24	1,608.05	3,109.77	3,023.54	86.23	36.065	
14,100.00	9,825.58	10,850.67	8,329.83	108.15	54.87	-91.673	-491.77	1,608.19	3,197.66	3,111.01	86.65	36.902	
14,200.00	9,827.33	10,845.08	8,329.87	110.35	54.79	-91.729	-497.36	1,608.34	3,286.24	3,199.19	87.04	37.754	
14,300.00	9,829.08	10,839.42	8,329.92	112.55	54.71	-91.782	-503.02	1,608.49	3,375.45	3,288.05	87.40	38.619	
14,400.00	9,830.83	10,833.70	8,329.98	114.76	54.63	-91.832	-508.73	1,608.63	3,465.25	3,377.51	87.74	39.496	
14,500.00	9,832.58	10,827.92	8,330.06	116.97	54.55	-91.881	-514.51	1,608.79	3,555.59	3,467.55	88.04	40.385	
14,600.00	9,834.32	10,824.89	8,330.10	119.19	54.51	-91.879	-517.54	1,608.87	3,646.43	3,558.08	88.35	41.273	
14,700.00	9,836.07	10,822.32	8,330.13	121.41	54.47	-91.869	-520.11	1,608.93	3,737.73	3,649.10	88.64	42.168	
14,800.00	9,837.82	10,819.67	8,330.16	123.64	54.43	-91.861	-522.76	1,609.01	3,829.47	3,740.56	88.91	43.071	
14,900.00	9,839.57	10,816.95	8,330.19	125.86	54.40	-91.855	-525.48	1,609.08	3,921.61	3,832.45	89.16	43.982	
15,000.00	9,841.31	10,814.15	8,330.22	128.10	54.36	-91.850	-528.28	1,609.16	4,014.13	3,924.73	89.40	44.900	
15,100.00	9,843.06	10,811.26	8,330.25	130.33	54.32	-91.847	-531.17	1,609.24	4,106.99	4,017.37	89.62	45.825	
15,200.00	9,844.81	10,808.28	8,330.28	132.57	54.27	-91.845	-534.14	1,609.33	4,200.18	4,110.35	89.83	46.756	
15,300.00	9,846.56	10,805.21	8,330.30	134.81	54.23	-91.845	-537.21	1,609.41	4,293.68	4,203.65	90.03	47.692	
15,400.00	9,848.30	10,802.05	8,330.32	137.05	54.19	-91.846	-540.37	1,609.51	4,387.46	4,297.24	90.21	48.634	
15,500.00	9,850.05	10,798.78	8,330.34	139.29	54.14	-91.848	-543.64	1,609.61	4,481.50	4,391.12	90.39	49.580	
15,600.00	9,851.80	10,795.41	8,330.35	141.54	54.09	-91.852	-547.01	1,609.71	4,575.80	4,485.25	90.55	50.531	
15,697.28	9,853.50	10,792.02	8,330.37	143.73	54.05	-91.857	-550.39	1,609.81	4,667.76	4,577.05	90.71	51.460	
15,700.00	9,853.55	10,791.93	8,330.37	143.79	54.04	-91.857	-550.49	1,609.82	4,670.33	4,579.62	90.71	51.486	
15,702.33	9,853.58	10,791.85	8,330.37	143.84	54.04	-91.857	-550.57	1,609.82	4,672.53	4,581.82	90.71	51.509	
15,800.00	9,855.12	10,788.33	8,330.38	146.04	53.99	-91.863	-554.09	1,609.93	4,765.03	4,674.17	90.86	52.445	
15,900.00	9,856.69	10,784.61	8,330.38	148.29	53.94	-91.871	-557.81	1,610.05	4,859.94	4,768.94	91.00	53.407	
16,000.00	9,858.26	10,780.75	8,330.38	150.55	53.89	-91.879	-561.66	1,610.18	4,955.04	4,863.91	91.13	54.373	

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Golden Lane 1 Federal 1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 300-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.00	9,818.59	9,888.88	9,887.09	99.40	209.48	70.825	1,228.28	8,716.20	4,989.79	4,732.50	257.29	19.393	
13,800.00	9,820.34	9,890.62	9,888.84	101.58	209.52	70.442	1,228.28	8,716.20	4,895.42	4,637.12	258.30	18.952	
13,900.00	9,822.09	9,892.37	9,890.59	103.76	209.55	70.044	1,228.28	8,716.20	4,801.28	4,541.91	259.36	18.512	
14,000.00	9,823.84	9,894.12	9,892.34	105.95	209.59	69.630	1,228.28	8,716.20	4,707.37	4,446.89	260.48	18.072	
14,100.00	9,825.58	9,895.87	9,894.08	108.15	209.63	69.199	1,228.28	8,716.20	4,613.73	4,352.07	261.66	17.632	
14,200.00	9,827.33	9,897.61	9,895.83	110.35	209.67	68.751	1,228.28	8,716.20	4,520.35	4,257.45	262.91	17.194	
14,300.00	9,829.08	9,899.36	9,897.58	112.55	209.71	68.284	1,228.28	8,716.20	4,427.27	4,163.04	264.22	16.756	
14,400.00	9,830.83	9,901.11	9,899.33	114.76	209.75	67.796	1,228.28	8,716.20	4,334.49	4,068.88	265.61	16.319	
14,500.00	9,832.58	9,902.86	9,901.08	116.97	209.79	67.287	1,228.28	8,716.20	4,242.04	3,974.97	267.07	15.884	
14,600.00	9,834.32	9,904.60	9,902.82	119.19	209.83	66.756	1,228.28	8,716.20	4,149.93	3,881.32	268.61	15.450	
14,700.00	9,836.07	9,906.35	9,904.57	121.41	209.86	66.201	1,228.28	8,716.20	4,058.20	3,787.97	270.24	15.017	
14,800.00	9,837.82	9,908.10	9,906.32	123.64	209.90	65.619	1,228.28	8,716.20	3,966.87	3,694.92	271.95	14.587	
14,900.00	9,839.57	9,909.85	9,908.07	125.86	209.94	65.011	1,228.28	8,716.20	3,875.97	3,602.21	273.76	14.158	
15,000.00	9,841.31	9,911.60	9,909.81	128.10	209.98	64.374	1,228.28	8,716.20	3,785.53	3,509.86	275.67	13.732	
15,100.00	9,843.06	9,913.34	9,911.56	130.33	210.02	63.705	1,228.28	8,716.20	3,695.57	3,417.89	277.69	13.308	
15,200.00	9,844.81	9,915.09	9,913.31	132.57	210.06	63.003	1,228.28	8,716.20	3,606.15	3,326.34	279.81	12.888	
15,300.00	9,846.56	9,916.84	9,915.06	134.81	210.10	62.265	1,228.28	8,716.20	3,517.29	3,235.24	282.06	12.470	
15,400.00	9,848.30	9,918.59	9,916.80	137.05	210.14	61.490	1,228.28	8,716.20	3,429.05	3,144.62	284.43	12.056	
15,500.00	9,850.05	9,920.33	9,918.55	139.29	210.17	60.673	1,228.28	8,716.20	3,341.47	3,054.54	286.93	11.646	
15,600.00	9,851.80	9,922.08	9,920.30	141.54	210.21	59.813	1,228.28	8,716.20	3,254.60	2,965.03	289.56	11.240	
15,697.28	9,853.50	9,923.78	9,922.00	143.73	210.25	58.931	1,228.28	8,716.20	3,170.84	2,878.56	292.27	10.849	
15,700.00	9,853.55	9,923.83	9,922.05	143.79	210.25	58.906	1,228.28	8,716.20	3,168.51	2,876.16	292.35	10.838	
15,702.33	9,853.58	9,923.87	9,922.08	143.84	210.25	58.884	1,228.28	8,716.20	3,166.51	2,874.10	292.42	10.829	
15,800.00	9,855.12	9,925.40	9,923.62	146.04	210.29	57.949	1,228.28	8,716.20	3,083.25	2,787.96	295.29	10.441	
15,900.00	9,856.69	9,926.97	9,925.19	148.29	210.32	56.937	1,228.28	8,716.20	2,998.90	2,700.51	298.39	10.050	
16,000.00	9,858.26	9,928.54	9,926.76	150.55	210.36	55.867	1,228.28	8,716.20	2,915.54	2,613.88	301.66	9.665	
16,100.00	9,859.83	9,930.12	9,928.33	152.80	210.39	54.734	1,228.28	8,716.20	2,833.26	2,528.15	305.11	9.286	
16,200.00	9,861.41	9,931.69	9,929.91	155.06	210.43	53.535	1,228.28	8,716.20	2,752.15	2,443.40	308.75	8.914	
16,300.00	9,862.98	9,933.26	9,931.48	157.32	210.46	52.263	1,228.28	8,716.20	2,672.32	2,359.74	312.58	8.549	
16,400.00	9,864.55	9,934.83	9,933.05	159.58	210.50	50.913	1,228.28	8,716.20	2,593.89	2,277.27	316.62	8.192	
16,500.00	9,866.12	9,936.40	9,934.62	161.85	210.53	49.480	1,228.28	8,716.20	2,516.99	2,196.12	320.87	7.844	
16,600.00	9,867.69	9,937.97	9,936.19	164.11	210.57	47.958	1,228.28	8,716.20	2,441.76	2,116.43	325.32	7.506	
16,700.00	9,869.26	9,939.55	9,937.76	166.38	210.60	46.340	1,228.28	8,716.20	2,368.36	2,038.36	330.00	7.177	
16,800.00	9,870.84	9,941.12	9,939.34	168.64	210.64	44.620	1,228.28	8,716.20	2,296.97	1,962.08	334.89	6.859	
16,900.00	9,872.41	9,942.69	9,940.91	170.91	210.67	42.792	1,228.28	8,716.20	2,227.78	1,887.79	339.99	6.553	
17,000.00	9,873.98	9,944.26	9,942.48	173.18	210.71	40.848	1,228.28	8,716.20	2,161.01	1,815.72	345.29	6.259	
17,100.00	9,875.55	9,945.83	9,944.05	175.45	210.74	38.783	1,228.28	8,716.20	2,096.87	1,746.09	350.78	5.978	
17,200.00	9,877.12	9,947.40	9,945.62	177.73	210.78	36.591	1,228.28	8,716.20	2,035.63	1,679.20	356.43	5.711	
17,300.00	9,878.69	9,948.97	9,947.19	180.00	210.81	34.267	1,228.28	8,716.20	1,977.55	1,615.33	362.22	5.460	
17,400.00	9,880.27	9,950.55	9,948.77	182.27	210.84	31.806	1,228.28	8,716.20	1,922.92	1,554.82	368.10	5.224	
17,500.00	9,881.84	9,952.12	9,950.34	184.55	210.88	29.207	1,228.28	8,716.20	1,872.04	1,498.02	374.02	5.005	
17,600.00	9,883.41	9,953.69	9,951.91	186.83	210.91	26.468	1,228.28	8,716.20	1,825.22	1,445.29	379.93	4.804	
17,700.00	9,884.98	9,955.26	9,953.48	189.10	210.95	23.592	1,228.28	8,716.20	1,782.79	1,397.05	385.74	4.622	
17,800.00	9,886.55	9,956.83	9,955.05	191.38	210.98	20.584	1,228.28	8,716.20	1,745.06	1,353.68	391.38	4.459	
17,900.00	9,888.12	9,958.40	9,956.62	193.66	211.02	17.452	1,228.28	8,716.20	1,712.34	1,315.60	396.74	4.316	
18,000.00	9,889.69	9,959.98	9,958.19	195.94	211.05	14.208	1,228.28	8,716.20	1,684.93	1,283.19	401.74	4.194	
18,100.00	9,891.27	9,961.55	9,959.77	198.22	211.09	10.868	1,228.28	8,716.20	1,663.09	1,256.81	406.28	4.093	
18,197.59	9,892.80	9,963.08	9,961.30	200.45	211.12	7.534	1,228.28	8,716.20	1,647.36	1,237.19	410.17	4.016	
18,200.00	9,892.84	9,963.12	9,961.34	200.50	211.12	7.451	1,228.28	8,716.20	1,647.04	1,236.78	410.26	4.015	
18,212.67	9,893.00	9,963.28	9,961.50	200.79	211.13	7.013	1,228.28	8,716.20	1,645.43	1,234.71	410.72	4.006	
18,300.00	9,893.91	9,964.19	9,962.41	202.79	211.15	3.979	1,228.28	8,716.20	1,636.95	1,223.35	413.60	3.958	
18,400.00	9,894.96	9,965.24	9,963.46	205.07	211.17	0.477	1,228.28	8,716.20	1,632.94	1,216.70	416.24	3.923	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Golden Lane 1 Federal 1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 300-INC-ONLY — **Rule Assigned:** Distance — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,415.68	9,895.12	9,965.40	9,963.62	205.43	211.17	-0.074	1,228.28	8,716.20	1,632.86	1,216.27	416.59	3.920	CC, ES
18,500.00	9,896.00	9,966.28	9,964.50	207.35	211.19	-3.029	1,228.28	8,716.20	1,635.04	1,216.89	418.14	3.910	SF
18,600.00	9,897.05	9,967.33	9,965.55	209.64	211.22	-6.514	1,228.28	8,716.20	1,643.23	1,223.94	419.29	3.919	
18,700.00	9,898.09	9,968.37	9,966.59	211.92	211.24	-9.950	1,228.28	8,716.20	1,657.43	1,237.73	419.70	3.949	
18,800.00	9,899.14	9,969.42	9,967.64	214.21	211.26	-13.317	1,228.28	8,716.20	1,677.47	1,258.08	419.40	4.000	
18,900.00	9,900.18	9,970.46	9,968.68	216.50	211.29	-16.593	1,228.28	8,716.20	1,703.17	1,284.73	418.44	4.070	
19,000.00	9,901.23	9,971.51	9,969.73	218.78	211.31	-19.762	1,228.28	8,716.20	1,734.25	1,317.36	416.89	4.160	
19,100.00	9,902.27	9,972.55	9,970.77	221.07	211.33	-22.811	1,228.28	8,716.20	1,770.44	1,355.62	414.83	4.268	
19,200.00	9,903.32	9,973.60	9,971.82	223.36	211.36	-25.729	1,228.28	8,716.20	1,811.44	1,399.10	412.34	4.393	
19,300.00	9,904.36	9,974.64	9,972.86	225.65	211.38	-28.511	1,228.28	8,716.20	1,856.92	1,447.42	409.50	4.535	
19,400.00	9,905.41	9,975.69	9,973.91	227.94	211.40	-31.155	1,228.28	8,716.20	1,906.57	1,500.18	406.39	4.691	
19,500.00	9,906.45	9,976.73	9,974.95	230.23	211.43	-33.659	1,228.28	8,716.20	1,960.06	1,556.98	403.09	4.863	
19,600.00	9,907.50	9,977.78	9,976.00	232.52	211.45	-36.026	1,228.28	8,716.20	2,017.10	1,617.45	399.65	5.047	
19,700.00	9,908.54	9,978.83	9,977.04	234.81	211.47	-38.259	1,228.28	8,716.20	2,077.38	1,681.26	396.12	5.244	
19,800.00	9,909.59	9,979.87	9,978.09	237.10	211.49	-40.363	1,228.28	8,716.20	2,140.64	1,748.08	392.56	5.453	
19,900.00	9,910.63	9,980.92	9,979.13	239.39	211.52	-42.344	1,228.28	8,716.20	2,206.62	1,817.62	389.01	5.672	
20,000.00	9,911.68	9,981.96	9,980.18	241.69	211.54	-44.208	1,228.28	8,716.20	2,275.09	1,889.60	385.49	5.902	
20,100.00	9,912.72	9,983.01	9,981.22	243.98	211.56	-45.961	1,228.28	8,716.20	2,345.81	1,963.79	382.02	6.141	
20,200.00	9,913.77	9,984.05	9,982.27	246.27	211.59	-47.610	1,228.28	8,716.20	2,418.61	2,039.98	378.63	6.388	
20,300.00	9,914.82	9,985.10	9,983.32	248.57	211.61	-49.161	1,228.28	8,716.20	2,493.29	2,117.96	375.33	6.643	
20,400.00	9,915.86	9,986.14	9,984.36	250.86	211.63	-50.622	1,228.28	8,716.20	2,569.69	2,197.56	372.13	6.905	
20,500.00	9,916.91	9,987.19	9,985.41	253.16	211.66	-51.997	1,228.28	8,716.20	2,647.67	2,278.63	369.03	7.175	
20,600.00	9,917.95	9,988.23	9,986.45	255.45	211.68	-53.293	1,228.28	8,716.20	2,727.08	2,361.03	366.04	7.450	
20,700.00	9,919.00	9,989.28	9,987.50	257.75	211.70	-54.514	1,228.28	8,716.20	2,807.80	2,444.64	363.17	7.731	
20,800.00	9,920.04	9,990.32	9,988.54	260.04	211.73	-55.667	1,228.28	8,716.20	2,889.74	2,529.34	360.40	8.018	
20,900.00	9,921.09	9,991.37	9,989.59	262.34	211.75	-56.757	1,228.28	8,716.20	2,972.77	2,615.03	357.75	8.310	
21,000.00	9,922.13	9,992.41	9,990.63	264.64	211.77	-57.786	1,228.28	8,716.20	3,056.83	2,701.63	355.20	8.606	
21,100.00	9,923.18	9,993.46	9,991.68	266.93	211.80	-58.760	1,228.28	8,716.20	3,141.82	2,789.06	352.76	8.906	
21,200.00	9,924.22	9,994.50	9,992.72	269.23	211.82	-59.683	1,228.28	8,716.20	3,227.66	2,877.24	350.42	9.211	
21,300.00	9,925.27	9,995.55	9,993.77	271.53	211.84	-60.557	1,228.28	8,716.20	3,314.30	2,966.13	348.18	9.519	
21,400.00	9,926.31	9,996.59	9,994.81	273.82	211.87	-61.387	1,228.28	8,716.20	3,401.68	3,055.64	346.03	9.830	
21,500.00	9,927.36	9,997.64	9,995.86	276.12	211.89	-62.175	1,228.28	8,716.20	3,489.73	3,145.75	343.98	10.145	
21,600.00	9,928.40	9,998.68	9,996.90	278.42	211.91	-62.924	1,228.28	8,716.20	3,578.41	3,236.39	342.02	10.463	
21,700.00	9,929.45	9,999.73	9,997.95	280.72	211.94	-63.637	1,228.28	8,716.20	3,667.67	3,327.53	340.14	10.783	
21,800.00	9,930.49	10,000.78	9,998.99	283.02	211.96	-64.316	1,228.28	8,716.20	3,757.47	3,419.14	338.33	11.106	
21,900.00	9,931.54	10,001.82	10,000.04	285.32	211.98	-64.963	1,228.28	8,716.20	3,847.77	3,511.16	336.61	11.431	
22,000.00	9,932.58	10,002.87	10,001.08	287.62	212.00	-65.580	1,228.28	8,716.20	3,938.55	3,603.59	334.96	11.758	
22,100.00	9,933.63	10,003.91	10,002.13	289.92	212.03	-66.170	1,228.28	8,716.20	4,029.76	3,696.38	333.38	12.088	
22,200.00	9,934.67	10,004.96	10,003.17	292.22	212.05	-66.733	1,228.28	8,716.20	4,121.37	3,789.51	331.86	12.419	
22,300.00	9,935.72	10,006.00	10,004.22	294.52	212.07	-67.272	1,228.28	8,716.20	4,213.37	3,882.96	330.41	12.752	
22,325.56	9,935.99	10,006.27	10,004.49	295.11	212.08	-67.406	1,228.28	8,716.20	4,236.94	3,906.89	330.05	12.837	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Running Buffalo Fed Com #001H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-VESSI_GYRO_WIRELINE, 8111-MWD+IGRF — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,400.00	9,830.83	8,781.00	8,627.89	114.76	18.27	98.989	-1,161.21	9,453.75	4,990.57	4,934.44	56.13	88.903	
14,500.00	9,832.58	8,781.00	8,627.89	116.97	18.27	99.180	-1,161.21	9,453.75	4,895.98	4,839.49	56.49	86.663	
14,600.00	9,834.32	8,793.74	8,631.85	119.19	18.36	99.230	-1,149.49	9,456.77	4,801.55	4,744.71	56.85	84.462	
14,700.00	9,836.07	8,800.19	8,633.70	121.41	18.41	99.357	-1,143.50	9,458.29	4,707.34	4,650.10	57.23	82.249	
14,800.00	9,837.82	8,813.00	8,637.05	123.64	18.50	99.410	-1,131.51	9,461.32	4,613.34	4,555.73	57.61	80.077	
14,900.00	9,839.57	8,813.00	8,637.05	125.86	18.50	99.629	-1,131.51	9,461.32	4,519.54	4,461.48	58.06	77.841	
15,000.00	9,841.31	8,813.00	8,637.05	128.10	18.50	99.857	-1,131.51	9,461.32	4,426.01	4,367.47	58.54	75.602	
15,100.00	9,843.06	8,828.32	8,640.57	130.33	18.62	99.890	-1,117.04	9,464.93	4,332.68	4,273.71	58.97	73.472	
15,200.00	9,844.81	8,844.00	8,643.68	132.57	18.74	99.918	-1,102.13	9,468.62	4,239.66	4,180.26	59.41	71.368	
15,300.00	9,846.56	8,844.00	8,643.68	134.81	18.74	100.171	-1,102.13	9,468.62	4,146.88	4,086.91	59.97	69.150	
15,400.00	9,848.30	8,844.00	8,643.68	137.05	18.74	100.438	-1,102.13	9,468.62	4,054.43	3,993.86	60.57	66.934	
15,500.00	9,850.05	8,861.09	8,646.76	139.29	18.88	100.460	-1,085.82	9,472.68	3,962.25	3,901.19	61.06	64.887	
15,600.00	9,851.80	8,876.00	8,649.40	141.54	19.00	100.517	-1,071.60	9,476.31	3,870.44	3,808.85	61.59	62.844	
15,697.28	9,853.50	8,876.00	8,649.40	143.73	19.00	100.807	-1,071.60	9,476.31	3,781.45	3,719.17	62.27	60.722	
15,700.00	9,853.55	8,876.00	8,649.40	143.79	19.00	100.815	-1,071.60	9,476.31	3,778.96	3,716.67	62.29	60.663	
15,702.33	9,853.58	8,876.00	8,649.40	143.84	19.00	100.822	-1,071.60	9,476.31	3,776.84	3,714.53	62.31	60.612	
15,800.00	9,855.12	8,887.07	8,651.23	146.04	19.10	100.948	-1,061.02	9,479.04	3,687.81	3,624.89	62.92	58.613	
15,900.00	9,856.69	8,901.00	8,653.18	148.29	19.22	101.040	-1,047.66	9,482.46	3,597.09	3,533.56	63.53	56.621	
16,000.00	9,858.26	8,901.00	8,653.18	150.55	19.22	101.380	-1,047.66	9,482.46	3,506.80	3,442.43	64.37	54.482	
16,100.00	9,859.83	8,912.78	8,654.52	152.80	19.32	101.529	-1,036.31	9,485.32	3,416.98	3,351.90	65.08	52.505	
16,200.00	9,861.41	8,922.01	8,655.33	155.06	19.41	101.734	-1,027.39	9,487.51	3,327.69	3,261.82	65.87	50.521	
16,300.00	9,862.98	9,165.96	8,656.27	157.32	22.02	97.399	-787.21	9,528.28	3,238.08	3,174.48	63.60	50.912	
16,400.00	9,864.55	9,176.40	8,655.90	159.58	22.14	97.451	-776.84	9,529.46	3,148.70	3,084.53	64.18	49.063	
16,500.00	9,866.12	9,186.76	8,655.52	161.85	22.27	97.508	-766.55	9,530.62	3,059.94	2,995.16	64.78	47.235	
16,600.00	9,867.69	9,197.05	8,655.13	164.11	22.39	97.571	-756.34	9,531.78	2,971.86	2,906.44	65.42	45.429	
16,700.00	9,869.26	9,207.27	8,654.72	166.38	22.51	97.641	-746.19	9,532.92	2,884.51	2,818.42	66.09	43.645	
16,800.00	9,870.84	9,217.74	8,654.29	168.64	22.64	97.710	-735.79	9,534.09	2,797.97	2,731.18	66.80	41.888	
16,900.00	9,872.41	9,236.31	8,653.59	170.91	22.88	97.588	-717.35	9,536.17	2,712.30	2,644.85	67.44	40.216	
17,000.00	9,873.98	9,255.39	8,653.03	173.18	23.12	97.442	-698.41	9,538.34	2,627.55	2,559.44	68.11	38.579	
17,100.00	9,875.55	9,274.99	8,652.60	175.45	23.37	97.269	-678.94	9,540.59	2,543.83	2,475.03	68.80	36.976	
17,200.00	9,877.12	9,295.14	8,652.34	177.73	23.63	97.063	-658.94	9,542.94	2,461.23	2,391.72	69.51	35.408	
17,300.00	9,878.69	9,315.85	8,652.25	180.00	23.90	96.821	-638.37	9,545.38	2,379.86	2,309.60	70.25	33.875	
17,400.00	9,880.27	9,324.60	8,652.24	182.27	24.02	96.921	-629.67	9,546.43	2,299.89	2,228.66	71.23	32.290	
17,500.00	9,881.84	9,335.56	8,652.24	184.55	24.17	96.960	-618.80	9,547.75	2,221.48	2,149.26	72.22	30.759	
17,600.00	9,883.41	9,346.82	8,652.26	186.83	24.32	96.995	-607.63	9,549.13	2,144.81	2,071.54	73.27	29.272	
17,700.00	9,884.98	9,358.38	8,652.29	189.10	24.48	97.022	-596.16	9,550.57	2,070.06	1,995.68	74.37	27.833	
17,800.00	9,886.55	9,370.26	8,652.34	191.38	24.64	97.040	-584.37	9,552.07	1,997.44	1,921.91	75.53	26.445	
17,900.00	9,888.12	9,382.48	8,652.40	193.66	24.81	97.047	-572.25	9,553.63	1,927.20	1,850.46	76.75	25.112	
18,000.00	9,889.69	9,395.04	8,652.48	195.94	24.98	97.040	-559.80	9,555.26	1,859.60	1,781.59	78.01	23.838	
18,100.00	9,891.27	9,408.15	8,652.59	198.22	25.16	97.004	-546.80	9,556.98	1,794.93	1,715.61	79.32	22.629	
18,197.59	9,892.80	9,423.20	8,652.73	200.45	25.37	96.841	-531.88	9,558.96	1,734.95	1,654.34	80.61	21.522	
18,200.00	9,892.84	9,423.57	8,652.73	200.50	25.38	96.837	-531.51	9,559.01	1,733.51	1,652.87	80.65	21.495	
18,212.67	9,893.00	9,425.51	8,652.75	200.79	25.41	96.814	-529.59	9,559.27	1,725.95	1,645.13	80.82	21.356	
18,300.00	9,893.91	9,438.80	8,652.89	202.79	25.59	96.647	-516.41	9,561.01	1,675.28	1,593.27	82.01	20.427	
18,400.00	9,894.96	9,453.85	8,653.05	205.07	25.81	96.426	-501.50	9,562.96	1,620.99	1,537.57	83.42	19.431	
18,500.00	9,896.00	9,468.70	8,653.22	207.35	26.02	96.162	-486.77	9,564.89	1,571.06	1,486.20	84.86	18.514	
18,600.00	9,897.05	9,483.38	8,653.41	209.64	26.23	95.835	-472.22	9,566.77	1,525.94	1,439.63	86.30	17.681	
18,700.00	9,898.09	9,497.88	8,653.60	211.92	26.44	95.412	-457.84	9,568.62	1,486.05	1,398.31	87.75	16.936	
18,800.00	9,899.14	9,511.77	8,653.79	214.21	26.64	94.884	-444.06	9,570.38	1,451.85	1,362.68	89.17	16.282	
18,900.00	9,900.18	9,524.88	8,653.97	216.50	26.83	94.195	-431.05	9,571.99	1,423.74	1,333.19	90.55	15.724	
19,000.00	9,901.23	9,537.36	8,654.13	218.78	27.02	93.134	-418.66	9,573.49	1,402.10	1,310.24	91.86	15.264	
19,100.00	9,902.27	9,549.25	8,654.28	221.07	27.19	91.048	-406.85	9,574.88	1,387.24	1,294.16	93.08	14.904	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Running Buffalo Fed Com #001H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 100-VESSI_GYRO_WIRELINE, 8111-MWD+IGRF — **Rule Assigned:** Distance — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	9,903.32	9,560.60	8,654.41	223.36	27.36	83.806	-395.58	9,576.18	1,379.39	1,285.20	94.19	14.644	
19,259.97	9,903.94	9,567.15	8,654.49	224.73	27.46	44.914	-389.07	9,576.92	1,378.10	1,283.30	94.80	14.536	CC, ES
19,300.00	9,904.36	9,571.43	8,654.54	225.65	27.52	-53.494	-384.81	9,577.40	1,378.68	1,283.49	95.18	14.484	
19,400.00	9,905.41	9,581.79	8,654.66	227.94	27.67	-76.929	-374.52	9,578.53	1,385.12	1,289.08	96.03	14.423	SF
19,500.00	9,906.45	9,591.71	8,654.76	230.23	27.82	-80.197	-364.66	9,579.59	1,398.61	1,301.88	96.74	14.458	
19,600.00	9,907.50	9,601.39	8,654.87	232.52	27.96	-81.516	-355.03	9,580.60	1,418.97	1,321.69	97.28	14.586	
19,700.00	9,908.54	9,611.07	8,654.96	234.81	28.11	-82.218	-345.41	9,581.61	1,445.91	1,348.23	97.68	14.803	
19,800.00	9,909.59	9,620.59	8,655.06	237.10	28.25	-82.672	-335.94	9,582.59	1,479.05	1,381.13	97.92	15.105	
19,900.00	9,910.63	9,629.95	8,655.14	239.39	28.40	-82.996	-326.63	9,583.54	1,518.01	1,419.99	98.02	15.486	
20,000.00	9,911.68	9,639.16	8,655.23	241.69	28.54	-83.243	-317.47	9,584.47	1,562.35	1,464.35	98.00	15.943	
20,100.00	9,912.72	9,648.21	8,655.31	243.98	28.67	-83.440	-308.45	9,585.38	1,611.62	1,513.75	97.86	16.468	
20,200.00	9,913.77	9,657.13	8,655.38	246.27	28.81	-83.605	-299.59	9,586.26	1,665.39	1,567.75	97.64	17.056	
20,300.00	9,914.82	9,665.89	8,655.45	248.57	28.94	-83.745	-290.86	9,587.13	1,723.24	1,625.89	97.35	17.702	
20,400.00	9,915.86	9,674.52	8,655.52	250.86	29.07	-83.867	-282.27	9,587.97	1,784.77	1,687.77	97.00	18.400	
20,500.00	9,916.91	9,683.02	8,655.58	253.16	29.20	-83.976	-273.82	9,588.80	1,849.61	1,753.00	96.61	19.145	
20,600.00	9,917.95	9,692.00	8,655.65	255.45	29.34	-84.047	-264.88	9,589.66	1,917.44	1,821.22	96.23	19.926	
20,700.00	9,919.00	9,699.79	8,655.70	257.75	29.46	-84.156	-257.12	9,590.41	1,987.95	1,892.16	95.79	20.753	
20,800.00	9,920.04	9,708.11	8,655.76	260.04	29.59	-84.231	-248.84	9,591.20	2,060.86	1,965.48	95.38	21.607	
20,900.00	9,921.09	9,716.33	8,655.81	262.34	29.72	-84.301	-240.66	9,591.97	2,135.92	2,040.95	94.97	22.489	
21,000.00	9,922.13	9,724.44	8,655.86	264.64	29.84	-84.366	-232.58	9,592.73	2,212.93	2,118.35	94.58	23.397	
21,100.00	9,923.18	9,732.46	8,655.90	266.93	29.97	-84.426	-224.60	9,593.48	2,291.68	2,197.47	94.20	24.327	
21,200.00	9,924.22	9,740.38	8,655.94	269.23	30.09	-84.484	-216.72	9,594.21	2,371.99	2,278.15	93.84	25.276	
21,300.00	9,925.27	9,748.20	8,655.98	271.53	30.21	-84.538	-208.93	9,594.93	2,453.73	2,360.23	93.50	26.243	
21,400.00	9,926.31	9,755.93	8,656.02	273.82	30.33	-84.590	-201.23	9,595.64	2,536.74	2,443.56	93.18	27.223	
21,500.00	9,927.36	9,763.56	8,656.06	276.12	30.45	-84.640	-193.63	9,596.34	2,620.92	2,528.03	92.89	28.217	
21,600.00	9,928.40	9,771.11	8,656.09	278.42	30.57	-84.688	-186.12	9,597.02	2,706.14	2,613.53	92.61	29.221	
21,700.00	9,929.45	9,778.56	8,656.12	280.72	30.69	-84.733	-178.69	9,597.69	2,792.32	2,699.97	92.36	30.234	
21,800.00	9,930.49	9,788.00	8,656.15	283.02	30.83	-84.730	-169.29	9,598.53	2,879.37	2,787.16	92.22	31.224	
21,900.00	9,931.54	9,793.85	8,656.17	285.32	30.93	-84.806	-163.46	9,599.05	2,967.22	2,875.28	91.94	32.272	
22,000.00	9,932.58	9,802.02	8,656.19	287.62	31.06	-84.828	-155.33	9,599.78	3,055.79	2,963.99	91.80	33.288	
22,100.00	9,933.63	9,810.19	8,656.21	289.92	31.19	-84.847	-147.19	9,600.50	3,145.02	3,053.34	91.67	34.306	
22,200.00	9,934.67	9,818.35	8,656.22	292.22	31.32	-84.866	-139.06	9,601.23	3,234.85	3,143.28	91.57	35.325	
22,300.00	9,935.72	9,826.51	8,656.23	294.52	31.45	-84.883	-130.93	9,601.95	3,325.25	3,233.76	91.49	36.345	
22,325.56	9,935.99	9,828.60	8,656.23	295.11	31.48	-84.888	-128.85	9,602.14	3,348.43	3,256.96	91.47	36.605	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Temperate BEC Federal 1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 102-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,800.00	9,855.12	9,961.79	9,959.78	146.04	204.62	84.721	47.24	11,028.92	4,946.98	4,703.24	243.74	20.296	
15,900.00	9,856.69	9,963.36	9,961.36	148.29	204.65	84.613	47.24	11,028.92	4,847.41	4,603.40	244.01	19.865	
16,000.00	9,858.26	9,964.94	9,962.93	150.55	204.67	84.502	47.23	11,028.92	4,747.86	4,503.56	244.30	19.434	
16,100.00	9,859.83	9,966.52	9,964.51	152.80	204.70	84.385	47.23	11,028.92	4,648.33	4,403.73	244.60	19.004	
16,200.00	9,861.41	9,968.10	9,966.09	155.06	204.73	84.264	47.23	11,028.92	4,548.82	4,303.90	244.92	18.573	
16,300.00	9,862.98	9,969.68	9,967.67	157.32	204.75	84.137	47.23	11,028.92	4,449.33	4,204.08	245.25	18.142	
16,400.00	9,864.55	9,971.26	9,969.25	159.58	204.78	84.004	47.23	11,028.92	4,349.87	4,104.26	245.60	17.711	
16,500.00	9,866.12	9,972.83	9,970.83	161.85	204.80	83.865	47.23	11,028.92	4,250.42	4,004.45	245.97	17.280	
16,600.00	9,867.69	9,974.41	9,972.40	164.11	204.83	83.719	47.23	11,028.92	4,151.01	3,904.64	246.36	16.849	
16,700.00	9,869.26	9,975.99	9,973.98	166.38	204.86	83.566	47.23	11,028.92	4,051.62	3,804.84	246.78	16.418	
16,800.00	9,870.84	9,977.57	9,975.56	168.64	204.88	83.406	47.23	11,028.92	3,952.27	3,705.05	247.22	15.987	
16,900.00	9,872.41	9,979.15	9,977.14	170.91	204.91	83.237	47.23	11,028.92	3,852.94	3,605.25	247.69	15.556	
17,000.00	9,873.98	9,980.72	9,978.72	173.18	204.93	83.059	47.23	11,028.92	3,753.65	3,505.47	248.18	15.124	
17,100.00	9,875.55	9,982.30	9,980.29	175.45	204.96	82.871	47.23	11,028.92	3,654.40	3,405.69	248.72	14.693	
17,200.00	9,877.12	9,983.88	9,981.87	177.73	204.98	82.674	47.23	11,028.92	3,555.19	3,305.91	249.28	14.262	
17,300.00	9,878.69	9,985.46	9,983.45	180.00	205.01	82.464	47.23	11,028.92	3,456.03	3,206.14	249.89	13.830	
17,400.00	9,880.27	9,987.04	9,985.03	182.27	205.04	82.243	47.22	11,028.92	3,356.91	3,106.37	250.54	13.399	
17,500.00	9,881.84	9,988.61	9,986.61	184.55	205.06	82.008	47.22	11,028.92	3,257.85	3,006.61	251.24	12.967	
17,600.00	9,883.41	9,990.19	9,988.18	186.83	205.09	81.758	47.22	11,028.92	3,158.84	2,906.86	251.99	12.536	
17,700.00	9,884.98	9,991.77	9,989.76	189.10	205.11	81.492	47.22	11,028.92	3,059.90	2,807.10	252.80	12.104	
17,800.00	9,886.55	9,993.35	9,991.34	191.38	205.14	81.208	47.22	11,028.92	2,961.03	2,707.36	253.68	11.672	
17,900.00	9,888.12	9,994.93	9,992.92	193.66	205.17	80.905	47.22	11,028.92	2,862.24	2,607.61	254.63	11.241	
18,000.00	9,889.69	9,996.51	9,994.50	195.94	205.19	80.580	47.22	11,028.92	2,763.54	2,507.87	255.66	10.809	
18,100.00	9,891.27	9,998.08	9,996.08	198.22	205.22	80.230	47.22	11,028.92	2,664.92	2,408.13	256.79	10.378	
18,197.59	9,892.80	9,999.62	9,997.62	200.45	205.24	79.864	47.22	11,028.92	2,568.79	2,310.80	257.99	9.957	
18,200.00	9,892.84	9,999.66	9,997.65	200.50	205.24	79.854	47.22	11,028.92	2,566.42	2,308.40	258.02	9.946	
18,212.67	9,893.00	9,999.82	9,997.81	200.79	205.25	79.805	47.22	11,028.92	2,553.95	2,295.76	258.19	9.892	
18,300.00	9,893.91	10,000.74	9,998.73	202.79	205.26	79.448	47.22	11,028.92	2,468.03	2,208.67	259.36	9.516	
18,400.00	9,894.96	10,001.79	9,999.78	205.07	205.28	79.009	47.21	11,028.92	2,369.77	2,108.93	260.84	9.085	
18,500.00	9,896.00	10,002.84	10,000.83	207.35	205.29	78.531	47.21	11,028.92	2,271.67	2,009.20	262.46	8.655	
18,600.00	9,897.05	10,003.89	10,001.88	209.64	205.31	78.010	47.21	11,028.92	2,173.73	1,909.47	264.26	8.226	
18,700.00	9,898.09	10,004.94	10,002.93	211.92	205.33	77.441	47.21	11,028.92	2,075.99	1,809.73	266.26	7.797	
18,800.00	9,899.14	10,005.99	10,003.98	214.21	205.35	76.815	47.21	11,028.92	1,978.48	1,709.99	268.49	7.369	
18,900.00	9,900.18	10,007.04	10,005.03	216.50	205.36	76.124	47.21	11,028.92	1,881.23	1,610.25	270.98	6.942	
19,000.00	9,901.23	10,008.08	10,006.08	218.78	205.38	75.358	47.21	11,028.92	1,784.28	1,510.51	273.78	6.517	
19,100.00	9,902.27	10,009.13	10,007.13	221.07	205.40	74.504	47.21	11,028.92	1,687.69	1,410.75	276.94	6.094	
19,200.00	9,903.32	10,010.18	10,008.18	223.36	205.41	73.546	47.21	11,028.92	1,591.52	1,311.00	280.52	5.673	
19,300.00	9,904.36	10,011.23	10,009.22	225.65	205.43	72.466	47.21	11,028.92	1,495.85	1,211.25	284.60	5.256	
19,400.00	9,905.41	10,012.28	10,010.27	227.94	205.45	71.239	47.21	11,028.92	1,400.78	1,111.50	289.28	4.842	
19,500.00	9,906.45	10,013.33	10,011.32	230.23	205.47	69.834	47.21	11,028.92	1,306.45	1,011.78	294.67	4.434	
19,600.00	9,907.50	10,014.38	10,012.37	232.52	205.48	68.211	47.20	11,028.92	1,213.03	912.11	300.92	4.031	
19,700.00	9,908.54	10,015.43	10,013.42	234.81	205.50	66.319	47.20	11,028.92	1,120.74	812.53	308.21	3.636	
19,800.00	9,909.59	10,016.48	10,014.47	237.10	205.52	64.091	47.20	11,028.92	1,029.89	713.13	316.77	3.251	
19,900.00	9,910.63	10,017.53	10,015.52	239.39	205.54	61.437	47.20	11,028.92	940.90	614.03	326.88	2.878	
20,000.00	9,911.68	10,018.58	10,016.57	241.69	205.55	58.236	47.20	11,028.92	854.35	515.49	338.86	2.521	
20,100.00	9,912.72	10,019.63	10,017.62	243.98	205.57	54.330	47.20	11,028.92	771.06	417.97	353.09	2.184	
20,200.00	9,913.77	10,020.68	10,018.67	246.27	205.59	49.507	47.20	11,028.92	692.20	322.30	369.90	1.871	
20,300.00	9,914.82	10,021.73	10,019.72	248.57	205.60	43.499	47.20	11,028.92	619.47	230.07	389.41	1.591	
20,400.00	9,915.86	10,022.78	10,020.77	250.86	205.62	36.003	47.20	11,028.92	555.29	144.16	411.14	1.351	Level 3
20,500.00	9,916.91	10,023.83	10,021.82	253.16	205.64	26.756	47.20	11,028.92	502.95	69.60	433.34	1.161	Level 3
20,600.00	9,917.95	10,024.88	10,022.87	255.45	205.66	15.727	47.20	11,028.92	466.43	14.08	452.35	1.031	Level 3
20,700.00	9,919.00	10,025.93	10,023.92	257.75	205.67	3.370	47.19	11,028.92	449.62	-13.48	463.10	0.971	Level 3

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: Simon Camamile Offsets (NAD 83) - Temperate BEC Federal 1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 102-INC-ONLY — **Rule Assigned:** Distance — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,727.02	9,919.28	10,026.21	10,024.20	258.37	205.68	-0.075	47.19	11,028.92	448.80	-15.23	464.03	0.967	Level 3, CC, ES, SF
20,800.00	9,920.04	10,026.97	10,024.97	260.04	205.69	-9.311	47.19	11,028.92	454.70	-7.34	462.04	0.984	Level 3
20,900.00	9,921.09	10,028.02	10,026.02	262.34	205.71	-21.152	47.19	11,028.92	480.99	30.95	450.04	1.069	Level 3
21,000.00	9,922.13	10,029.07	10,027.07	264.64	205.72	-31.383	47.19	11,028.92	525.30	93.77	431.53	1.217	Level 3
21,100.00	9,923.18	10,030.12	10,028.11	266.93	205.74	-39.802	47.19	11,028.92	583.55	172.44	411.11	1.419	Level 3
21,200.00	9,924.22	10,031.17	10,029.16	269.23	205.76	-46.575	47.19	11,028.92	652.01	260.36	391.65	1.665	
21,300.00	9,925.27	10,032.22	10,030.21	271.53	205.78	-52.002	47.19	11,028.92	727.81	353.44	374.36	1.944	
21,400.00	9,926.31	10,033.27	10,031.26	273.82	205.79	-56.374	47.19	11,028.92	808.88	449.39	359.49	2.250	
21,500.00	9,927.36	10,034.32	10,032.31	276.12	205.81	-59.933	47.19	11,028.92	893.80	546.93	346.86	2.577	
21,600.00	9,928.40	10,035.37	10,033.36	278.42	205.83	-62.865	47.19	11,028.92	981.55	645.38	336.17	2.920	
21,700.00	9,929.45	10,036.42	10,034.41	280.72	205.84	-65.311	47.18	11,028.92	1,071.46	744.35	327.11	3.276	
21,800.00	9,930.49	10,037.47	10,035.46	283.02	205.86	-67.375	47.18	11,028.92	1,163.01	843.62	319.39	3.641	
21,900.00	9,931.54	10,038.52	10,036.51	285.32	205.88	-69.136	47.18	11,028.92	1,255.86	943.07	312.78	4.015	
22,000.00	9,932.58	10,039.57	10,037.56	287.62	205.90	-70.653	47.18	11,028.92	1,349.72	1,042.63	307.09	4.395	
22,100.00	9,933.63	10,040.62	10,038.61	289.92	205.91	-71.972	47.18	11,028.92	1,444.41	1,142.25	302.16	4.780	
22,200.00	9,934.67	10,041.67	10,039.66	292.22	205.93	-73.128	47.18	11,028.92	1,539.77	1,241.90	297.87	5.169	
22,300.00	9,935.72	10,042.72	10,040.71	294.52	205.95	-74.149	47.18	11,028.92	1,635.68	1,341.57	294.11	5.562	
22,325.56	9,935.99	10,042.98	10,040.98	295.11	205.95	-74.391	47.18	11,028.92	1,660.27	1,367.05	293.22	5.662	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: State #1 - State #1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 115-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	114.960	-216.95	466.09	514.12				
100.00	100.00	96.50	96.50	0.13	0.95	114.960	-216.95	466.09	514.11	513.03	1.08	476.599	
200.00	200.00	196.50	196.50	0.49	2.87	114.960	-216.95	466.09	514.11	510.76	3.35	153.357	
300.00	300.00	296.50	296.50	0.85	4.99	114.960	-216.95	466.09	514.11	508.27	5.84	88.075	
338.33	338.33	334.71	334.70	0.98	5.80	114.894	-216.29	466.09	513.83	507.04	6.79	75.708	
400.00	400.00	395.96	395.95	1.20	7.11	114.904	-216.39	466.09	513.87	505.56	8.31	61.835	
500.00	500.00	495.27	495.26	1.56	9.22	114.945	-216.80	466.09	514.05	503.27	10.78	47.683	
600.00	600.00	596.57	596.50	1.92	11.82	114.960	-216.95	466.09	514.11	500.37	13.74	37.428	
700.00	700.00	696.57	696.50	2.28	14.52	114.960	-216.95	466.09	514.11	497.31	16.80	30.602	
762.21	762.21	758.76	758.68	2.50	16.20	114.830	-215.66	466.09	513.56	494.86	18.71	27.455	
800.00	800.00	796.19	796.11	2.64	17.22	114.833	-215.69	466.09	513.58	493.72	19.85	25.869	
900.00	899.98	895.22	895.13	2.98	19.90	114.680	-216.09	466.09	513.57	490.70	22.87	22.453	
1,000.00	999.84	996.63	996.34	3.31	22.64	114.186	-216.95	466.09	513.43	487.48	25.95	19.786	
1,100.00	1,099.59	1,096.39	1,096.09	3.65	25.48	113.410	-216.95	466.09	512.85	483.72	29.13	17.606	
1,200.00	1,199.35	1,195.65	1,195.32	3.99	28.31	112.455	-215.24	466.09	511.70	479.40	32.30	15.841	
1,265.60	1,264.79	1,259.80	1,259.46	4.22	30.14	111.984	-215.63	466.09	511.59	477.24	34.36	14.890	
1,300.00	1,299.11	1,293.47	1,293.11	4.34	31.10	111.756	-216.02	466.09	511.62	476.18	35.44	14.437	
1,400.00	1,398.86	1,395.85	1,395.36	4.69	33.87	111.073	-216.95	466.09	511.66	473.10	38.56	13.269	
1,401.14	1,400.00	1,396.99	1,396.50	4.70	33.90	111.064	-216.95	466.09	511.66	473.07	38.59	13.258	
1,500.00	1,498.72	1,495.71	1,495.22	5.04	36.39	110.482	-216.95	466.09	511.50	470.07	41.44	12.344	
1,549.50	1,548.20	1,545.00	1,544.50	5.22	37.64	110.212	-215.78	466.09	511.06	468.21	42.85	11.925	
1,600.00	1,598.70	1,594.87	1,594.36	5.39	38.90	110.175	-215.93	466.09	511.10	466.81	44.29	11.540	
1,601.14	1,599.84	1,596.00	1,595.49	5.40	38.93	110.175	-215.93	466.09	511.10	466.78	44.32	11.531	
1,700.00	1,698.70	1,693.65	1,693.13	5.74	41.39	110.261	-216.75	466.09	511.39	464.26	47.14	10.849	
1,800.00	1,798.70	1,795.81	1,795.20	6.09	43.88	110.282	-216.95	466.09	511.46	461.49	49.97	10.235	
1,900.00	1,898.70	1,895.81	1,895.20	6.44	46.30	110.282	-216.95	466.09	511.46	458.72	52.74	9.698	
1,987.12	1,985.82	1,982.93	1,982.30	6.75	48.40	110.095	-215.16	466.09	510.84	455.69	55.15	9.262	
2,000.00	1,998.70	1,995.70	1,995.07	6.80	48.71	110.095	-215.17	466.09	510.84	455.33	55.51	9.203	
2,100.00	2,098.70	2,094.90	2,094.26	7.15	51.11	110.126	-215.47	466.09	510.94	452.69	58.26	8.771	
2,200.00	2,198.70	2,194.11	2,193.45	7.50	53.51	110.207	-216.23	466.09	511.21	450.20	61.01	8.380	
2,300.00	2,298.70	2,295.97	2,295.20	7.85	55.97	110.282	-216.95	466.09	511.46	447.64	63.82	8.014	
2,400.00	2,398.70	2,395.97	2,395.20	8.21	58.39	110.282	-216.95	466.09	511.46	444.86	66.59	7.680	
2,500.00	2,498.70	2,495.97	2,495.20	8.56	60.80	110.282	-216.95	466.09	511.46	442.09	69.37	7.373	
2,539.95	2,538.65	2,535.71	2,534.93	8.70	61.77	110.140	-215.59	466.09	510.99	440.52	70.47	7.251	
2,600.00	2,598.70	2,595.32	2,594.53	8.92	63.21	110.155	-215.74	466.09	511.04	438.92	72.12	7.086	
2,700.00	2,698.70	2,694.59	2,693.79	9.27	65.61	110.217	-216.33	466.09	511.24	436.37	74.88	6.828	
2,800.00	2,798.70	2,796.11	2,795.20	9.63	68.02	110.282	-216.95	466.09	511.46	433.81	77.65	6.587	
2,900.00	2,898.70	2,896.11	2,895.20	9.98	70.33	110.282	-216.95	466.09	511.46	431.14	80.31	6.368	
3,000.00	2,998.70	2,996.11	2,995.20	10.34	72.64	110.282	-216.95	466.09	511.46	428.48	82.98	6.164	
3,041.64	3,040.34	3,037.70	3,036.76	10.49	73.60	110.096	-215.17	466.09	510.84	426.75	84.09	6.075	
3,100.00	3,098.70	3,095.59	3,094.65	10.69	74.94	110.106	-215.27	466.09	510.87	425.24	85.63	5.966	
3,200.00	3,198.70	3,194.79	3,193.84	11.05	77.23	110.163	-215.81	466.09	511.06	422.78	88.28	5.789	
3,300.00	3,298.70	3,294.01	3,293.04	11.40	79.53	110.269	-216.82	466.09	511.42	420.49	90.93	5.624	
3,400.00	3,398.70	3,396.24	3,395.20	11.76	81.89	110.282	-216.95	466.09	511.46	417.81	93.65	5.461	
3,500.00	3,498.70	3,496.24	3,495.20	12.12	84.20	110.282	-216.95	466.09	511.46	415.14	96.32	5.310	
3,576.70	3,575.40	3,572.94	3,571.89	12.39	85.98	110.159	-215.78	466.09	511.05	412.68	98.37	5.195	
3,600.00	3,598.70	3,596.11	3,595.06	12.47	86.51	110.160	-215.79	466.09	511.05	412.07	98.98	5.163	
3,700.00	3,698.70	3,695.56	3,694.50	12.83	88.81	110.185	-216.02	466.09	511.14	409.50	101.64	5.029	
3,800.00	3,798.70	3,795.01	3,793.94	13.19	91.11	110.243	-216.58	466.09	511.33	407.03	104.30	4.903	
3,900.00	3,898.70	3,896.37	3,895.20	13.54	93.45	110.282	-216.95	466.09	511.46	404.46	107.00	4.780	
4,000.00	3,998.70	3,996.37	3,995.20	13.90	95.77	110.282	-216.95	466.09	511.46	401.79	109.67	4.664	
4,001.30	4,000.00	3,997.67	3,996.50	13.91	95.80	110.282	-216.95	466.09	511.46	401.76	109.70	4.662	

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

Matador RESOURCES COMPANY

MS Directional
Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: State #1 - State #1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 115-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,098.56	4,097.24	4,094.68	4,093.49	14.24	98.04	109.942	-215.47	466.09	510.92	398.64	112.28	4.550	
4,100.00	4,098.68	4,096.11	4,094.91	14.25	98.07	109.936	-215.47	466.09	510.92	398.60	112.32	4.549	
4,200.00	4,198.54	4,195.05	4,193.85	14.58	100.36	109.399	-215.89	466.09	511.02	396.07	114.94	4.446	
4,300.00	4,298.16	4,293.87	4,292.65	14.92	102.65	108.531	-216.87	466.09	511.37	393.80	117.57	4.349	
4,400.00	4,397.41	4,395.20	4,393.91	15.27	104.79	107.180	-216.95	466.09	511.66	391.61	120.06	4.262	
4,444.20	4,441.13	4,438.92	4,437.63	15.42	105.71	106.456	-216.95	466.09	511.93	390.80	121.13	4.226	
4,500.00	4,496.27	4,494.05	4,492.77	15.61	106.87	105.496	-216.95	466.09	512.40	389.92	122.49	4.183	
4,600.00	4,595.08	4,592.60	4,591.30	15.96	108.95	103.679	-216.00	466.09	513.39	388.48	124.91	4.110	
4,700.00	4,693.89	4,691.06	4,689.76	16.32	111.02	102.017	-216.40	466.09	515.17	387.84	127.33	4.046	
4,800.00	4,792.69	4,790.55	4,789.19	16.68	113.16	100.385	-216.95	466.09	517.41	387.58	129.83	3.985	
4,900.00	4,891.50	4,889.36	4,888.00	17.04	115.45	98.708	-216.95	466.09	519.98	387.50	132.48	3.925	
5,000.00	4,990.31	4,988.16	4,986.81	17.40	117.74	97.048	-216.95	466.09	522.99	387.87	135.13	3.870	
5,100.00	5,089.11	5,086.88	5,085.52	17.76	120.02	95.291	-215.85	466.09	526.33	388.56	137.77	3.820	
5,200.00	5,187.92	5,185.62	5,184.25	18.13	122.31	93.712	-216.20	466.09	530.25	389.83	140.42	3.776	
5,300.00	5,286.73	5,284.46	5,283.08	18.50	124.59	92.193	-216.87	466.09	534.59	391.51	143.07	3.736	
5,400.00	5,385.54	5,383.52	5,382.04	18.87	126.89	90.636	-216.95	466.09	539.28	393.55	145.73	3.700	
5,500.00	5,484.34	5,482.33	5,480.84	19.25	129.18	89.099	-216.95	466.09	544.37	395.98	148.39	3.669	
5,600.00	5,583.15	5,581.26	5,579.75	19.62	131.47	87.460	-215.69	466.09	549.89	398.85	151.04	3.641	
5,700.00	5,681.96	5,680.40	5,678.88	20.00	133.76	86.059	-216.41	466.09	555.72	402.01	153.71	3.615	
5,800.00	5,780.77	5,778.85	5,777.27	20.38	135.93	84.670	-216.95	466.09	561.89	405.64	156.25	3.596	
5,900.00	5,879.57	5,877.66	5,876.07	20.76	138.02	83.258	-216.95	466.09	568.44	409.74	158.70	3.582	
6,000.00	5,978.38	5,976.50	5,974.90	21.14	140.10	81.775	-215.91	466.09	575.48	414.33	161.15	3.571	
6,100.00	6,077.19	6,075.67	6,074.07	21.53	142.19	80.451	-216.12	466.09	582.69	419.07	163.62	3.561	
6,200.00	6,175.99	6,174.96	6,173.35	21.91	144.29	79.195	-216.70	466.09	590.13	424.05	166.08	3.553	
6,300.00	6,274.80	6,272.96	6,271.30	22.30	146.22	77.940	-216.95	466.09	597.92	429.54	168.38	3.551	
6,400.00	6,373.61	6,371.77	6,370.11	22.69	148.11	76.695	-216.95	466.09	606.04	435.41	170.64	3.552	
6,500.00	6,472.42	6,470.82	6,469.15	23.07	150.00	75.397	-216.00	466.09	614.68	441.79	172.90	3.555	
6,587.49	6,558.87	6,557.86	6,556.19	23.41	151.66	74.391	-216.28	466.09	622.19	447.31	174.88	3.558	
6,600.00	6,571.23	6,570.32	6,568.64	23.46	151.90	74.253	-216.34	466.09	623.26	448.10	175.16	3.558	
6,700.00	6,670.34	6,668.54	6,666.84	23.85	153.77	73.320	-216.95	466.09	630.76	453.36	177.39	3.556	
6,800.00	6,769.86	6,768.06	6,766.36	24.22	155.58	72.607	-216.95	466.09	636.53	456.96	179.56	3.545	
6,900.00	6,869.66	6,867.86	6,866.16	24.58	157.39	72.155	-216.95	466.09	640.29	458.56	181.73	3.523	
7,000.00	6,969.61	6,967.84	6,966.14	24.93	159.21	71.899	-216.29	466.09	642.19	458.29	183.90	3.492	
7,030.39	7,000.00	6,998.32	6,996.61	25.04	159.77	71.889	-216.31	466.09	642.28	457.72	184.56	3.480	
7,100.00	7,069.61	7,068.13	7,066.43	25.27	161.04	71.895	-216.38	466.09	642.26	456.20	186.06	3.452	
7,200.00	7,169.61	7,168.43	7,166.72	25.61	162.86	71.915	-216.62	466.09	642.19	453.96	188.23	3.412	
7,300.00	7,269.61	7,267.85	7,266.11	25.94	164.72	71.943	-216.95	466.09	642.08	451.66	190.43	3.372	
7,400.00	7,369.61	7,367.85	7,366.11	26.28	167.13	71.943	-216.95	466.09	642.08	448.90	193.18	3.324	
7,500.00	7,469.61	7,467.85	7,466.11	26.62	169.55	71.943	-216.95	466.09	642.08	446.15	195.93	3.277	
7,600.00	7,569.61	7,568.01	7,566.27	26.96	171.97	71.868	-216.06	466.09	642.36	443.66	198.69	3.233	
7,700.00	7,669.61	7,668.49	7,666.75	27.30	174.39	71.885	-216.26	466.09	642.29	440.83	201.46	3.188	
7,800.00	7,769.61	7,768.98	7,767.23	27.64	176.82	71.922	-216.70	466.09	642.16	437.93	204.23	3.144	
7,900.00	7,869.61	7,868.02	7,866.11	27.98	179.38	71.943	-216.95	466.09	642.08	434.95	207.14	3.100	
8,000.00	7,969.61	7,968.80	7,966.87	28.32	182.12	71.852	-215.87	466.09	642.41	432.20	210.21	3.056	
8,100.00	8,069.61	8,071.64	8,069.68	28.66	184.91	71.946	-216.98	466.09	642.08	428.74	213.35	3.010	
8,133.42	8,103.03	8,101.56	8,099.53	28.77	185.56	71.943	-216.95	466.09	642.08	427.97	214.11	2.999	
8,200.00	8,169.61	8,168.14	8,166.11	29.00	187.04	71.943	-216.95	466.09	642.08	426.26	215.82	2.975	
8,300.00	8,269.61	8,268.14	8,266.11	29.34	189.25	71.943	-216.95	466.09	642.08	423.70	218.38	2.940	
8,400.00	8,369.61	8,368.94	8,366.89	29.68	191.49	71.827	-215.58	466.09	642.50	421.55	220.96	2.908	
8,500.00	8,469.61	8,470.14	8,468.07	30.02	193.73	71.886	-216.27	466.09	642.29	418.75	223.55	2.873	
8,600.00	8,569.61	8,568.23	8,566.11	30.37	195.83	71.943	-216.95	466.09	642.08	416.09	225.99	2.841	
8,700.00	8,669.61	8,668.23	8,666.11	30.71	197.85	71.943	-216.95	466.09	642.08	413.73	228.35	2.812	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: State #1 - State #1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 115-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,800.00	8,769.61	8,768.23	8,766.11	31.05	199.87	71.943	-216.95	466.09	642.08	411.36	230.72	2.783	
8,900.00	8,869.61	8,868.77	8,866.65	31.40	201.90	71.888	-216.30	466.09	642.28	409.19	233.09	2.755	
9,000.00	8,969.61	8,969.33	8,967.20	31.74	203.93	71.923	-216.71	466.09	642.16	406.69	235.47	2.727	
9,100.00	9,069.61	9,068.29	9,066.11	32.09	205.82	71.943	-216.95	466.09	642.08	404.38	237.70	2.701	
9,200.00	9,169.61	9,168.29	9,166.11	32.43	207.64	71.943	-216.95	466.09	642.08	402.20	239.88	2.677	
9,224.94	9,194.55	9,193.22	9,191.05	32.52	208.10	71.943	-216.95	466.09	642.08	401.66	240.42	2.671	
9,250.00	9,219.60	9,218.28	9,216.10	32.60	208.56	71.928	-216.95	466.09	641.56	400.60	240.96	2.662	
9,300.00	9,269.40	9,268.07	9,265.90	32.77	209.47	71.807	-216.95	466.09	637.41	395.37	242.04	2.633	
9,350.00	9,318.62	9,317.62	9,315.43	32.93	210.37	71.466	-215.85	466.09	629.51	386.40	243.11	2.589	
9,400.00	9,366.90	9,366.23	9,364.04	33.08	211.26	71.096	-215.97	466.09	617.21	373.05	244.16	2.528	
9,450.00	9,413.87	9,413.53	9,411.33	33.23	212.13	70.587	-216.16	466.09	600.99	355.81	245.18	2.451	
9,500.00	9,459.17	9,459.14	9,456.94	33.37	212.96	69.921	-216.42	466.09	581.01	334.85	246.16	2.360	
9,550.00	9,502.45	9,502.73	9,500.53	33.49	213.76	69.072	-216.73	466.09	557.47	310.38	247.09	2.256	
9,600.00	9,543.39	9,542.10	9,539.89	33.61	214.48	67.992	-216.95	466.09	530.69	282.75	247.94	2.140	
9,650.00	9,581.68	9,580.39	9,578.18	33.71	215.18	66.620	-216.95	466.09	501.03	252.27	248.76	2.014	
9,700.00	9,617.02	9,615.73	9,613.52	33.79	215.83	64.910	-216.95	466.09	468.77	219.26	249.51	1.879	
9,750.00	9,649.14	9,647.86	9,645.64	33.87	216.42	62.774	-216.95	466.09	434.37	184.16	250.21	1.736	
9,800.00	9,677.81	9,676.52	9,674.31	33.96	216.94	60.085	-216.95	466.09	398.38	147.53	250.85	1.588	
9,850.00	9,702.80	9,701.51	9,699.30	34.15	217.40	56.668	-216.95	466.09	361.47	110.04	251.43	1.438	Level 3
9,900.00	9,723.92	9,722.63	9,720.42	34.38	217.79	52.278	-216.95	466.09	324.54	72.57	251.97	1.288	Level 3
9,950.00	9,741.01	9,739.72	9,737.51	34.63	218.10	46.576	-216.95	466.09	288.77	36.29	252.48	1.144	Level 3
10,000.00	9,753.94	9,752.65	9,750.44	34.90	218.34	39.132	-216.95	466.09	255.82	2.82	253.00	1.011	Level 3
10,050.00	9,762.61	9,761.32	9,759.11	35.20	218.50	29.497	-216.95	466.09	227.92	-25.62	253.54	0.899	Level 3
10,100.00	9,766.96	9,765.67	9,763.46	35.53	218.58	17.474	-216.95	466.09	207.91	-46.15	254.06	0.818	Level 3
10,120.94	9,767.49	9,766.20	9,763.99	35.67	218.59	11.822	-216.95	466.09	202.58	-51.66	254.24	0.797	Level 3
10,162.70	9,767.78	9,766.49	9,764.28	35.98	218.59	-0.076	-216.95	466.09	198.23	-56.31	254.54	0.779	Level 3, CC, ES, SF
10,200.00	9,768.04	9,766.75	9,764.54	36.25	218.60	-10.731	-216.95	466.09	201.71	-52.94	254.66	0.792	Level 3
10,300.00	9,768.74	9,767.45	9,765.24	37.10	218.61	-34.781	-216.95	466.09	241.14	-13.29	254.43	0.948	Level 3
10,400.00	9,769.44	9,768.15	9,765.94	38.08	218.62	-50.199	-216.95	466.09	309.20	55.22	253.98	1.217	Level 3
10,500.00	9,770.14	9,768.85	9,766.64	39.16	218.63	-59.631	-216.95	466.09	391.24	137.58	253.66	1.542	
10,600.00	9,770.84	9,769.55	9,767.34	40.35	218.65	-65.688	-216.95	466.09	480.13	226.67	253.46	1.894	
10,700.00	9,771.53	9,770.24	9,768.03	41.64	218.66	-69.822	-216.95	466.09	572.70	319.36	253.34	2.261	
10,800.00	9,772.23	9,770.94	9,768.73	43.00	218.67	-72.795	-216.95	466.09	667.41	414.15	253.26	2.635	
10,900.00	9,772.93	9,771.64	9,769.43	44.45	218.69	-75.025	-216.95	466.09	763.47	510.26	253.21	3.015	
11,000.00	9,773.63	9,772.34	9,770.13	45.97	218.70	-76.754	-216.95	466.09	860.43	607.25	253.18	3.398	
11,100.00	9,774.33	9,773.04	9,770.83	47.55	218.71	-78.132	-216.95	466.09	958.02	704.85	253.17	3.784	
11,196.60	9,775.00	9,773.71	9,771.50	49.14	218.72	-79.220	-216.95	466.09	1,052.71	799.54	253.17	4.158	
11,200.00	9,775.03	9,773.74	9,771.53	49.19	218.72	-79.254	-216.95	466.09	1,056.05	802.89	253.17	4.171	
11,226.67	9,775.37	9,774.08	9,771.87	49.64	218.73	-79.519	-216.95	466.09	1,082.25	829.08	253.17	4.275	
11,300.00	9,776.65	9,775.36	9,773.15	50.89	218.75	-80.186	-216.95	466.09	1,154.41	901.23	253.19	4.560	
11,400.00	9,778.40	9,777.11	9,774.90	52.63	218.79	-80.971	-216.95	466.09	1,253.03	999.81	253.22	4.948	
11,500.00	9,780.14	9,778.86	9,776.64	54.42	218.82	-81.641	-216.95	466.09	1,351.85	1,098.60	253.25	5.338	
11,600.00	9,781.89	9,780.60	9,778.39	56.24	218.85	-82.220	-216.95	466.09	1,450.83	1,197.54	253.29	5.728	
11,700.00	9,783.64	9,782.35	9,780.14	58.10	218.88	-82.726	-216.95	466.09	1,549.94	1,296.60	253.33	6.118	
11,800.00	9,785.39	9,784.10	9,781.89	59.99	218.91	-83.170	-216.95	466.09	1,649.15	1,395.77	253.38	6.509	
11,900.00	9,787.14	9,785.85	9,783.64	61.91	218.95	-83.564	-216.95	466.09	1,748.45	1,495.03	253.42	6.899	
12,000.00	9,788.88	9,787.59	9,785.38	63.86	218.98	-83.915	-216.95	466.09	1,847.82	1,594.35	253.47	7.290	
12,100.00	9,790.63	9,789.34	9,787.13	65.83	219.01	-84.231	-216.95	466.09	1,947.26	1,693.74	253.52	7.681	
12,200.00	9,792.38	9,791.09	9,788.88	67.82	219.04	-84.516	-216.95	466.09	2,046.75	1,793.18	253.58	8.072	
12,300.00	9,794.13	9,792.84	9,790.63	69.83	219.07	-84.774	-216.95	466.09	2,146.29	1,892.66	253.63	8.462	
12,400.00	9,795.87	9,794.59	9,792.37	71.86	219.11	-85.010	-216.95	466.09	2,245.87	1,992.18	253.69	8.853	
12,500.00	9,797.62	9,796.33	9,794.12	73.91	219.14	-85.225	-216.95	466.09	2,345.48	2,091.73	253.74	9.243	

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

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Offset Design: State #1 - State #1 - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

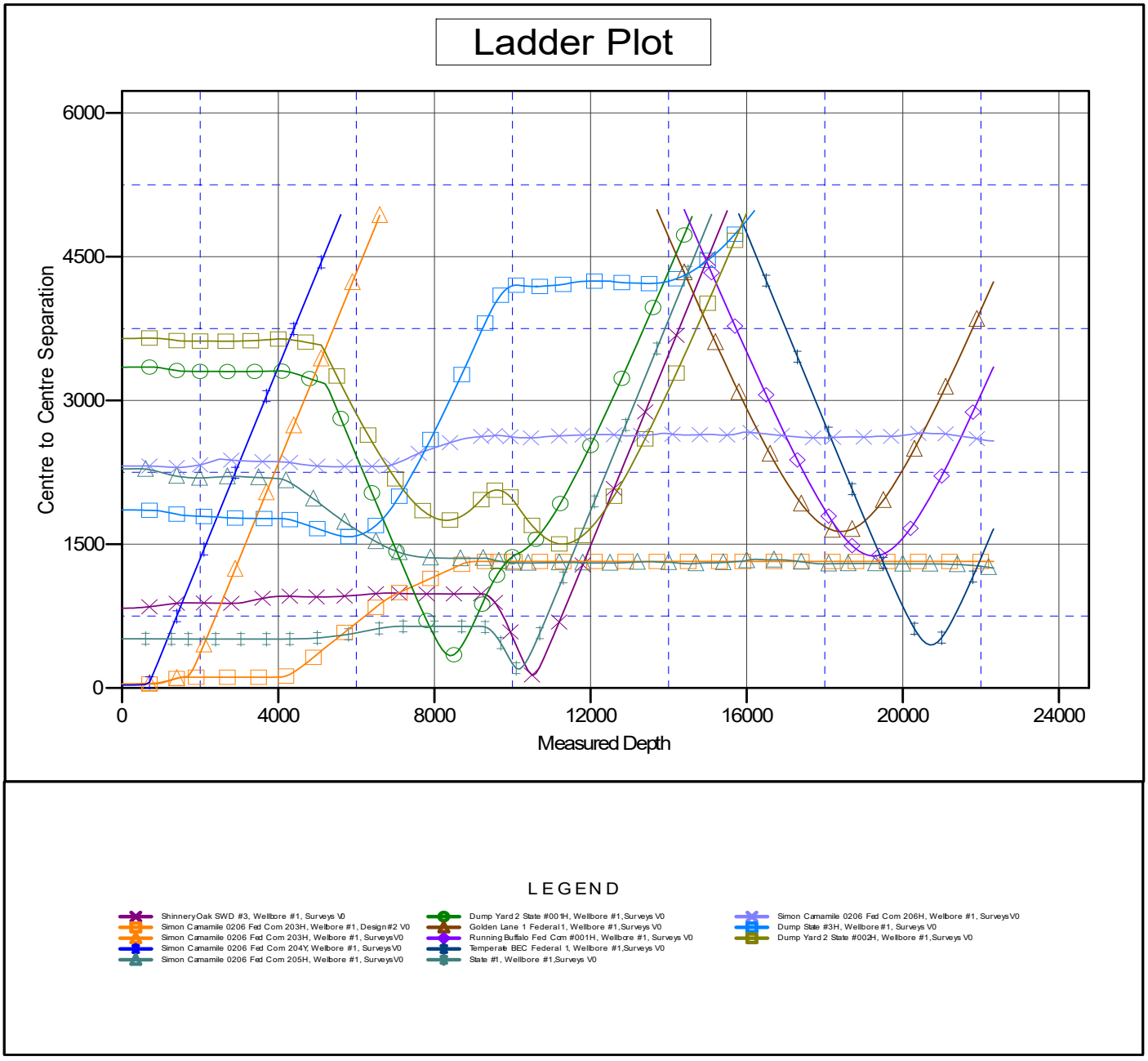
Survey Program: 115-INC-ONLY — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,600.00	9,799.37	9,798.08	9,795.87	75.97	219.17	-85.423	-216.95	466.09	2,445.12	2,191.31	253.80	9.634	
12,700.00	9,801.12	9,799.83	9,797.62	78.05	219.20	-85.599	-216.66	466.09	2,544.81	2,290.94	253.86	10.024	
12,800.00	9,802.86	9,801.58	9,799.37	80.14	219.23	-85.768	-216.66	466.09	2,644.50	2,390.57	253.93	10.414	
12,900.00	9,804.61	9,803.33	9,801.12	82.24	219.27	-85.925	-216.66	466.09	2,744.21	2,490.22	253.99	10.804	
13,000.00	9,806.36	9,805.08	9,802.87	84.35	219.30	-86.071	-216.66	466.09	2,843.95	2,589.89	254.05	11.194	
13,100.00	9,808.11	9,806.83	9,804.62	86.48	219.33	-86.207	-216.66	466.09	2,943.69	2,689.57	254.12	11.584	
13,200.00	9,809.86	9,808.58	9,806.37	88.61	219.36	-86.334	-216.66	466.09	3,043.46	2,789.27	254.19	11.973	
13,300.00	9,811.60	9,810.33	9,808.12	90.75	219.40	-86.452	-216.66	466.09	3,143.24	2,888.98	254.26	12.362	
13,400.00	9,813.35	9,812.08	9,809.87	92.90	219.43	-86.564	-216.66	466.09	3,243.03	2,988.70	254.33	12.751	
13,500.00	9,815.10	9,813.83	9,811.62	95.06	219.46	-86.669	-216.66	466.09	3,342.83	3,088.44	254.40	13.140	
13,600.00	9,816.85	9,815.58	9,813.37	97.22	219.49	-86.768	-216.66	466.09	3,442.65	3,188.18	254.47	13.529	
13,700.00	9,818.59	9,817.33	9,815.12	99.40	219.52	-86.861	-216.66	466.09	3,542.47	3,287.93	254.54	13.917	
13,800.00	9,820.34	9,819.09	9,816.87	101.58	219.56	-86.949	-216.66	466.09	3,642.30	3,387.69	254.62	14.305	
13,900.00	9,822.09	9,820.84	9,818.62	103.76	219.59	-87.033	-216.66	466.09	3,742.14	3,487.45	254.69	14.693	
14,000.00	9,823.84	9,822.59	9,820.37	105.95	219.62	-87.112	-216.66	466.09	3,841.99	3,587.22	254.77	15.080	
14,100.00	9,825.58	9,824.34	9,822.13	108.15	219.65	-87.187	-216.66	466.09	3,941.84	3,687.00	254.84	15.468	
14,200.00	9,827.33	9,826.09	9,823.88	110.35	219.68	-87.258	-216.66	466.09	4,041.70	3,786.78	254.92	15.855	
14,300.00	9,829.08	9,827.84	9,825.63	112.55	219.72	-87.326	-216.66	466.09	4,141.57	3,886.57	255.00	16.241	
14,400.00	9,830.83	9,829.59	9,827.38	114.76	219.75	-87.391	-216.66	466.09	4,241.44	3,986.36	255.08	16.628	
14,500.00	9,832.58	9,831.34	9,829.13	116.97	219.78	-87.453	-216.66	466.09	4,341.32	4,086.16	255.16	17.014	
14,600.00	9,834.32	9,833.09	9,830.88	119.19	219.81	-87.512	-216.66	466.09	4,441.20	4,185.96	255.25	17.400	
14,700.00	9,836.07	9,834.84	9,832.63	121.41	219.84	-87.568	-216.66	466.09	4,541.09	4,285.76	255.33	17.785	
14,800.00	9,837.82	9,836.59	9,834.38	123.64	219.88	-87.622	-216.66	466.09	4,640.98	4,385.57	255.41	18.170	
14,900.00	9,839.57	9,838.34	9,836.13	125.86	219.91	-87.674	-216.66	466.09	4,740.88	4,485.38	255.50	18.555	
15,000.00	9,841.31	9,840.09	9,837.88	128.10	219.94	-87.723	-216.66	466.09	4,840.77	4,585.19	255.59	18.940	
15,100.00	9,843.06	9,841.84	9,839.63	130.33	219.97	-87.771	-216.66	466.09	4,940.68	4,685.00	255.67	19.324	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 3338.50usft (Patterson 295) Coordinates are relative to: Simon Camamile 0206 Fed Com 204H
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30(
Central Meridian is -104.333334 Grid Convergence at Surface is: 0.144°

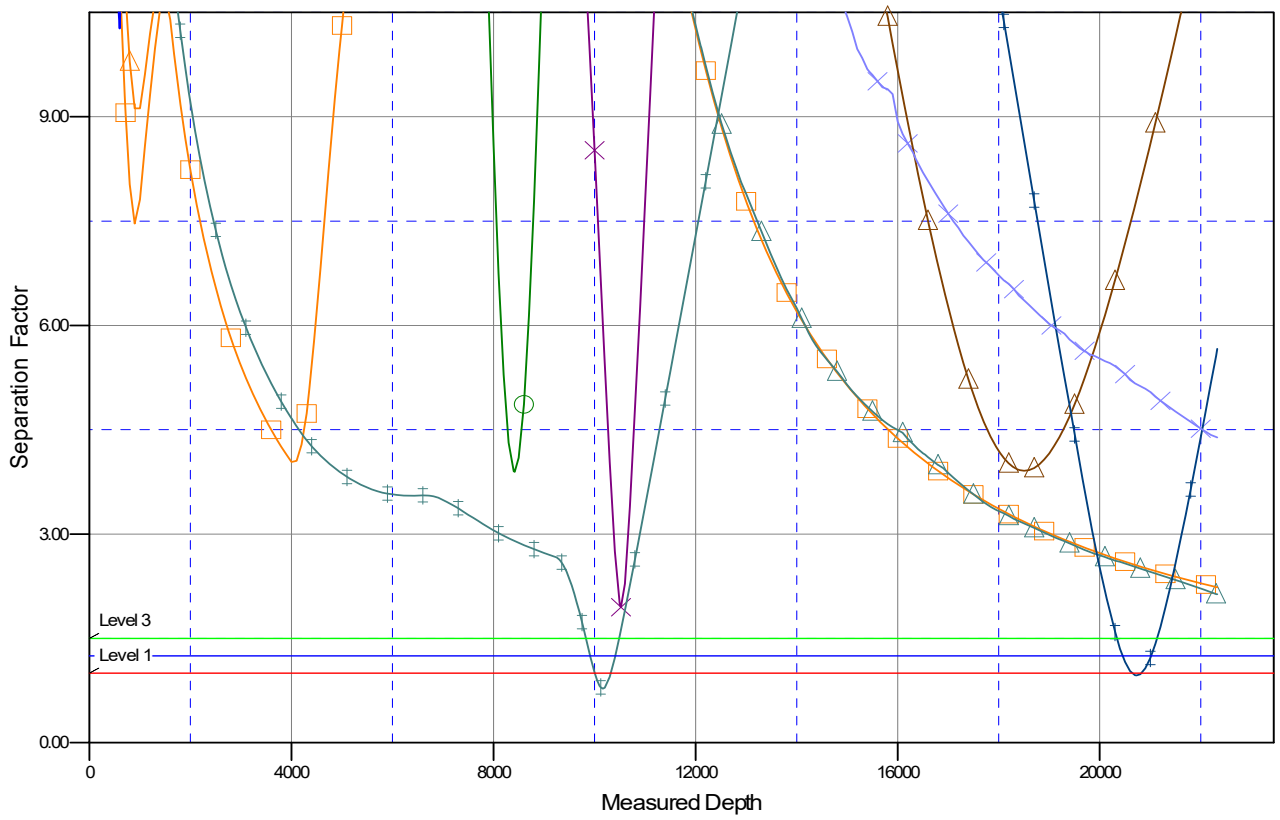


MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Project:	Eddy County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Reference Site:	Simon Camamile (203H, 204H)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.15 Conroe DB
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 3338.50usft (Patterson 295)
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334
Coordinates are relative to: Simon Camamile 0206 Fed Com 204H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30(
Grid Convergence at Surface is: 0.144°

Separation Factor Plot



LEGEND

ShinneryOak SWD #3, Wellbore #1, Surveys V0
Simon Camamile 0206 Fed Com 203H, Wellbore #1, Design#2 V0
Simon Camamile 0206 Fed Com 203H, Wellbore #1, SurveysV0
Simon Camamile 0206 Fed Com 204Y, Wellbore #1, SurveysV0
Simon Camamile 0206 Fed Com 205H, Wellbore #1, SurveysV0
Dump Yard 2 State #001H, Wellbore #1,SurveysV0
Golden Lane 1 Federal 1, Wellbore #1,Surveys V0
Running Buffalo Fed Com #001H, Wellbore #1, Surveys V0
Temperate BEC Federal 1, Wellbore #1,Surveys V0
State #1, Wellbore #1,Surveys V0
Simon Camamile 0206 Fed Com 206H, Wellbore #1, SurveysV0
Dump State #3H, Wellbore #1, Surveys V0
Dump Yard 2 State #002H, Wellbore #1,Surveys V0

Form 3160-3
(June 2015)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

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

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*

12. County or Parish

13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature Nicky Fitzgerald	Name *(Printed/Typed)*	Date
Title		

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Title	Office	

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

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.

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Company: Matador Resources
Well: Simon Camamile 0206 Fed Com 204H
County: Eddy County, New Mexico (NAD 27)
Rig: Patterson 295
Wellbore: Wellbore #1
Design: Design #1
Date: 10:47, November 08 2023

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 6.689°
To convert a Magnetic Direction to a True Direction, Add 6.833° East
To convert a True Direction to a Grid Direction, Subtract 0.144°

Azimuths to Grid North
True North: -0.14°
Magnetic North: 6.69°

Magnetic Field
Strength: 47501.2nT
Dip Angle: 60.10°
Date: 11/11/2023
Model: HDGM2023

WELL DETAILS: Simon Camamile 0206 Fed Com 204H

+N/-S	+E/-W	GL @ 3310.00 Northing	WELL @ 3338.50usft (Patterson 295) Easting	Latitude	Longitude
0.00	0.00	549919.42	582813.15	32.511552	-104.064688

SURVEY PROGRAM

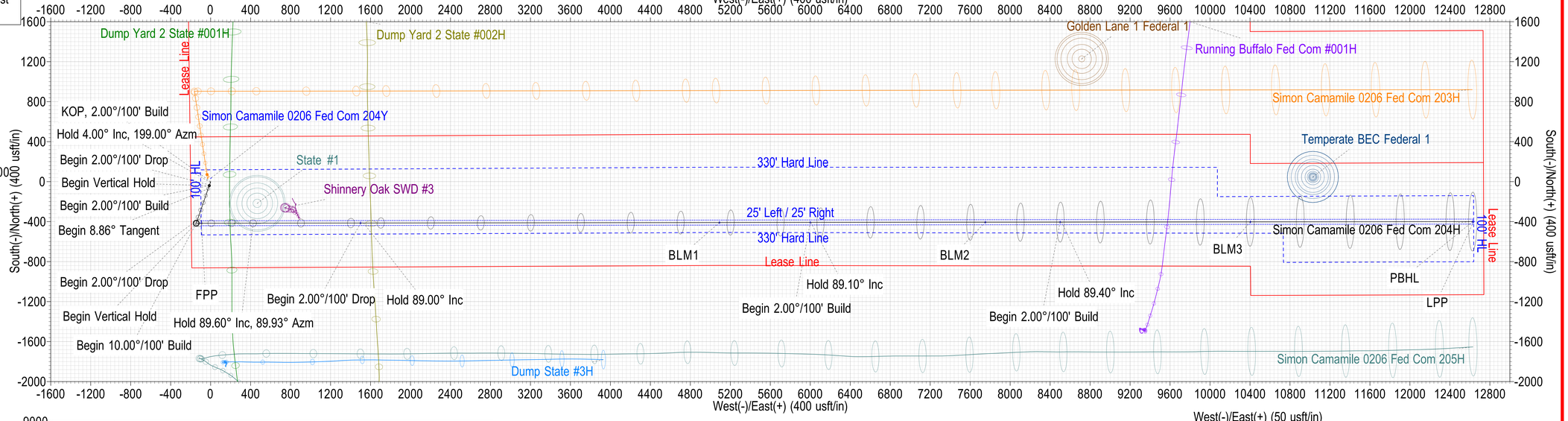
Depth From	Depth To	Survey/Plan	Tool
0.00	22325.55	Design #1 (Wellbore #1)	MWD+HRGM

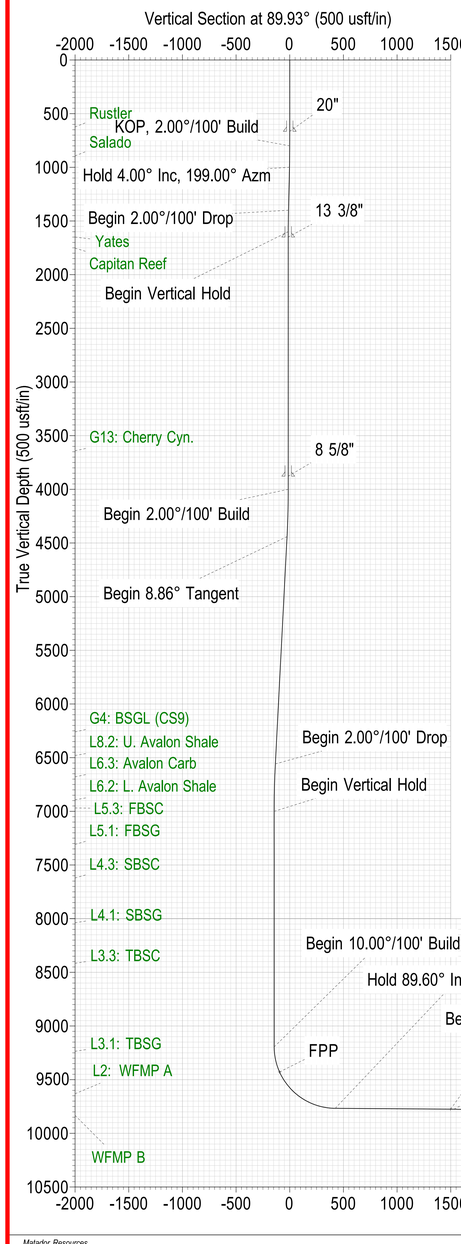
DESIGN TARGET DETAILS

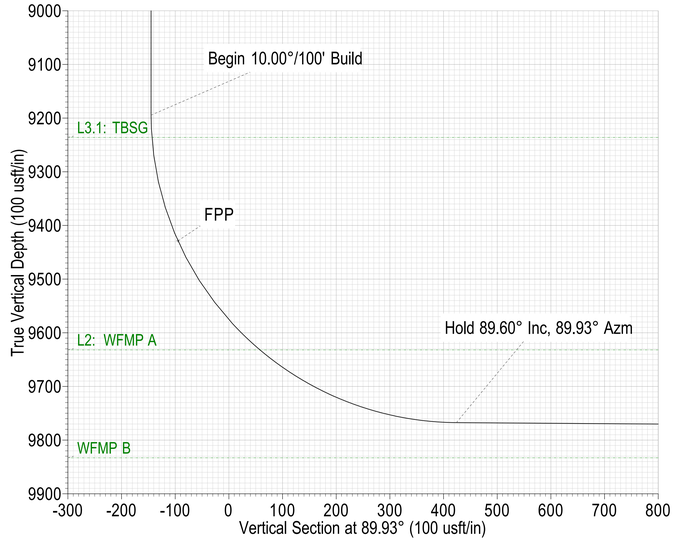
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
1500' VS - Simon Camamile 0206 Fed Com 204H	9775.00	-413.85	1500.22	549505.56	584313.37	32.510403	-104.059825
6000' VS - Simon Camamile 0206 Fed Com 204H	9853.50	-408.07	6000.22	549511.35	588813.37	32.510387	-104.045227
8500' VS - Simon Camamile 0206 Fed Com 204H	9892.80	-404.86	8500.22	549514.56	591313.37	32.510377	-104.037117
BLM1 - Simon Camamile 0206 Fed Com 204H	9837.61	-409.25	5091.01	549510.17	587904.17	32.510390	-104.048176
BLM2 - Simon Camamile 0206 Fed Com 204H	9881.04	-405.80	7752.01	549513.61	590565.17	32.510380	-104.039544
BLM3 - Simon Camamile 0206 Fed Com 204H	9912.74	-402.43	10404.05	549516.99	593217.20	32.510369	-104.030941
FPP - Simon Camamile 0206 Fed Com 204H	9428.65	-415.90	-94.36	549503.51	582718.79	32.510409	-104.064997
LPP - Simon Camamile 0206 Fed Com 204H	9936.09	-399.54	12637.95	549519.87	595451.10	32.510359	-104.023695
PBHL v2 - Simon Camamile 0206 Fed Com 204H	9935.99	-399.56	12627.95	549519.86	595441.10	32.510359	-104.023727

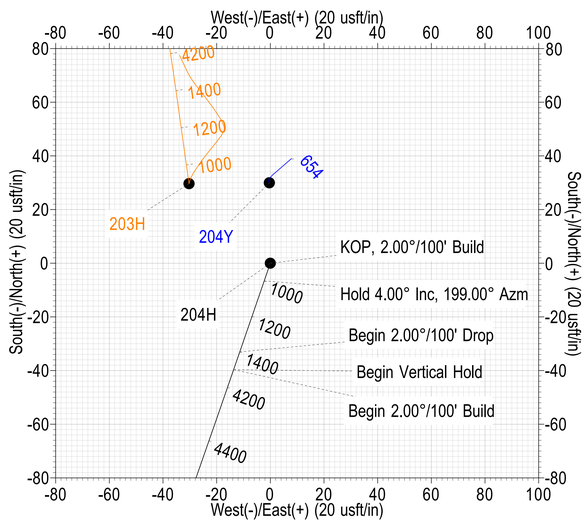
SECTION DETAILS

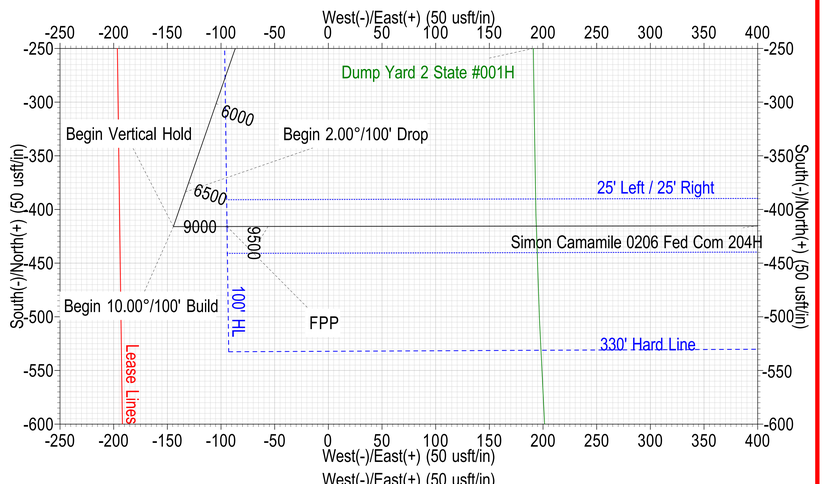
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.000	0.00	KOP, 2.00°/100' Build
1000.00	4.00	199.00	999.84	-6.60	-2.27	2.00	199.000	-2.28	Hold 4.00° Inc, 199.00° Azm
1401.14	4.00	199.00	1400.00	-33.06	-11.38	0.00	0.000	-11.42	Begin 2.00°/100' Drop
1601.14	0.00	0.00	1599.84	-39.65	-13.65	2.00	180.000	-13.71	Begin Vertical Hold
4001.30	0.00	0.00	4000.00	-39.65	-13.65	0.00	0.000	-13.71	Begin 2.00°/100' Build
4444.20	8.86	199.15	4441.13	-71.93	-24.87	2.00	199.155	-24.96	Begin 8.86° Tangent
6587.49	8.86	199.15	6558.87	-383.69	-133.16	0.00	0.000	-133.65	Begin 2.00°/100' Drop
7030.39	0.00	0.00	7000.00	-415.97	-144.37	2.00	180.000	-144.91	Begin Vertical Hold
9224.94	0.00	0.00	9194.55	-415.97	-144.37	0.00	0.000	-144.91	Begin 10.00°/100' Build
10120.94	89.60	89.93	9767.49	-415.24	424.59	10.00	89.926	424.05	Hold 89.60° Inc, 89.93° Azm
11196.60	89.60	89.93	9775.00	-413.85	1500.22	0.00	0.000	1499.69	Begin 2.00°/100' Drop
11226.67	89.00	89.93	9775.37	-413.82	1530.29	2.00	-179.997	1529.75	Hold 89.00° Inc
15697.28	89.00	89.93	9853.50	-408.07	6000.22	0.00	0.000	5999.69	Begin 2.00°/100' Build
15702.33	89.10	89.93	9853.58	-408.07	6005.26	2.00	0.000	6004.73	Hold 89.10° Inc
18197.59	89.10	89.93	9892.80	-404.86	8500.22	0.00	0.000	8499.69	Begin 2.00°/100' Build
18212.67	89.40	89.93	9893.00	-404.84	8515.30	2.00	0.000	8514.77	Hold 89.40° Inc
22325.55	89.40	89.93	9935.99	-399.56	12627.95	0.00	0.000	12627.43	PBHL

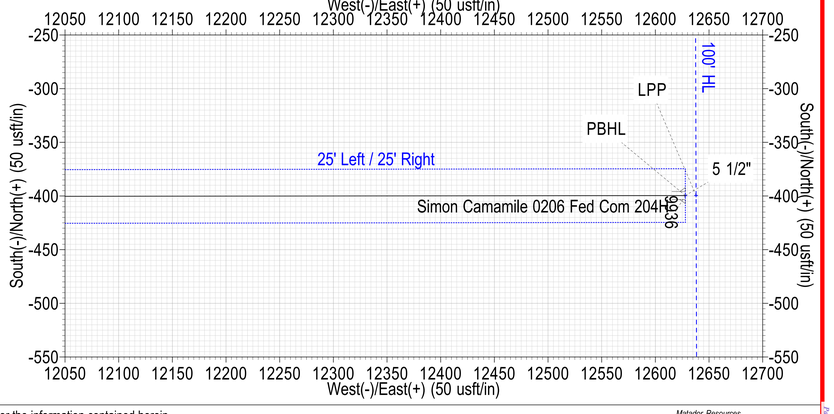












Matador Resources
Simon Camamile 0206 Fed Com 204H
Patterson 295

Matador Resources

Eddy County, New Mexico (NAD 27)
Simon Camamile (203H, 204H)
Simon Camamile 0206 Fed Com 204H

Wellbore #1

Plan: Design #1

Standard Planning Report

08 November, 2023

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Eddy County, New Mexico (NAD 27)

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		

Site Simon Camamile (203H, 204H)

Site Position:		**Northing:**	549,949.06 usft	**Latitude:**	32.511633
From:	Lat/Long	**Easting:**	582,782.87 usft	**Longitude:**	-104.064786
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Simon Camamile 0206 Fed Com 204H

Well Position	**+N/-S**	0.00 usft	**Northing:**	549,919.42 usft	**Latitude:**	32.511552
	+E/-W	0.00 usft	**Easting:**	582,813.16 usft	**Longitude:**	-104.064688
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,310.00 usft
Grid Convergence:		0.144 °				

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2023	11/11/2023	6.833	60.100	47,501.200

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.93

Plan Survey Tool Program **Date** 11/8/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	22,325.56	Design #1 (Wellbore #1)	MWD+HRGM OWSG MWD + HRGM	

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.000	
1,000.00	4.00	199.00	999.84	-6.60	-2.27	2.00	2.00	0.00	199.000	
1,401.14	4.00	199.00	1,400.00	-33.06	-11.38	0.00	0.00	0.00	0.000	
1,601.14	0.00	0.00	1,599.84	-39.65	-13.65	2.00	-2.00	0.00	180.000	
4,001.30	0.00	0.00	4,000.00	-39.65	-13.65	0.00	0.00	0.00	0.000	
4,444.20	8.86	199.15	4,441.13	-71.93	-24.87	2.00	2.00	0.00	199.155	
6,587.49	8.86	199.15	6,558.87	-383.69	-133.16	0.00	0.00	0.00	0.000	
7,030.39	0.00	0.00	7,000.00	-415.97	-144.37	2.00	-2.00	0.00	180.000	
9,224.94	0.00	0.00	9,194.55	-415.97	-144.37	0.00	0.00	0.00	0.000	
10,120.94	89.60	89.93	9,767.49	-415.24	424.59	10.00	10.00	0.00	89.926	
11,196.60	89.60	89.93	9,775.00	-413.86	1,500.22	0.00	0.00	0.00	0.000	1500' VS - Simon C
11,226.67	89.00	89.93	9,775.37	-413.82	1,530.29	2.00	-2.00	0.00	-179.997	
15,697.28	89.00	89.93	9,853.50	-408.07	6,000.22	0.00	0.00	0.00	0.000	6000' VS - Simon C
15,702.33	89.10	89.93	9,853.58	-408.07	6,005.26	2.00	2.00	0.00	0.000	
18,197.59	89.10	89.93	9,892.80	-404.86	8,500.22	0.00	0.00	0.00	0.000	8500' VS - Simon C
18,212.67	89.40	89.93	9,893.00	-404.84	8,515.30	2.00	2.00	0.00	0.000	
22,325.56	89.40	89.93	9,935.99	-399.56	12,627.95	0.00	0.00	0.00	0.000	PBHL v2 - Simon C

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
624.00	0.00	0.00	624.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
665.00	0.00	0.00	665.00	0.00	0.00	0.00	0.00	0.00	0.00
20"									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, 2.00°/100' Build									
894.02	1.88	199.00	894.00	-1.46	-0.50	-0.50	2.00	2.00	0.00
Salado									
900.00	2.00	199.00	899.98	-1.65	-0.57	-0.57	2.00	2.00	0.00
1,000.00	4.00	199.00	999.84	-6.60	-2.27	-2.28	2.00	2.00	0.00
Hold 4.00° Inc, 199.00° Azm									
1,100.00	4.00	199.00	1,099.59	-13.19	-4.54	-4.56	0.00	0.00	0.00
1,200.00	4.00	199.00	1,199.35	-19.79	-6.81	-6.84	0.00	0.00	0.00
1,300.00	4.00	199.00	1,299.11	-26.39	-9.09	-9.12	0.00	0.00	0.00
1,401.14	4.00	199.00	1,400.00	-33.06	-11.38	-11.42	0.00	0.00	0.00
Begin 2.00°/100' Drop									
1,500.00	2.02	199.00	1,498.72	-37.97	-13.07	-13.12	2.00	-2.00	0.00
1,601.14	0.00	0.00	1,599.84	-39.65	-13.65	-13.71	2.00	-2.00	0.00
Begin Vertical Hold									
1,651.30	0.00	0.00	1,650.00	-39.65	-13.65	-13.71	0.00	0.00	0.00
Yates - 13 3/8"									
1,700.00	0.00	0.00	1,698.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
1,754.30	0.00	0.00	1,753.00	-39.65	-13.65	-13.71	0.00	0.00	0.00
Capitan Reef									
1,800.00	0.00	0.00	1,798.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
1,900.00	0.00	0.00	1,898.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,000.00	0.00	0.00	1,998.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,100.00	0.00	0.00	2,098.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,200.00	0.00	0.00	2,198.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,300.00	0.00	0.00	2,298.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,400.00	0.00	0.00	2,398.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,500.00	0.00	0.00	2,498.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,600.00	0.00	0.00	2,598.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,700.00	0.00	0.00	2,698.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,800.00	0.00	0.00	2,798.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
2,900.00	0.00	0.00	2,898.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,000.00	0.00	0.00	2,998.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,100.00	0.00	0.00	3,098.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,200.00	0.00	0.00	3,198.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,300.00	0.00	0.00	3,298.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,400.00	0.00	0.00	3,398.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,500.00	0.00	0.00	3,498.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,600.00	0.00	0.00	3,598.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,642.30	0.00	0.00	3,641.00	-39.65	-13.65	-13.71	0.00	0.00	0.00
G13: Cherry Cyn.									

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
3,700.00	0.00	0.00	3,698.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,800.00	0.00	0.00	3,798.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
3,879.30	0.00	0.00	3,878.00	-39.65	-13.65	-13.71	0.00	0.00	0.00
8 5/8"									
3,900.00	0.00	0.00	3,898.70	-39.65	-13.65	-13.71	0.00	0.00	0.00
4,001.30	0.00	0.00	4,000.00	-39.65	-13.65	-13.71	0.00	0.00	0.00
Begin 2.00°/100' Build									
4,100.00	1.97	199.15	4,098.68	-41.26	-14.21	-14.27	2.00	2.00	0.00
4,200.00	3.97	199.15	4,198.54	-46.16	-15.91	-15.97	2.00	2.00	0.00
4,300.00	5.97	199.15	4,298.16	-54.35	-18.76	-18.83	2.00	2.00	0.00
4,400.00	7.97	199.15	4,397.41	-65.82	-22.74	-22.83	2.00	2.00	0.00
4,444.20	8.86	199.15	4,441.13	-71.93	-24.87	-24.96	2.00	2.00	0.00
Begin 8.86° Tangent									
4,500.00	8.86	199.15	4,496.27	-80.05	-27.68	-27.79	0.00	0.00	0.00
4,600.00	8.86	199.15	4,595.08	-94.59	-32.74	-32.86	0.00	0.00	0.00
4,700.00	8.86	199.15	4,693.89	-109.14	-37.79	-37.93	0.00	0.00	0.00
4,800.00	8.86	199.15	4,792.69	-123.68	-42.84	-43.00	0.00	0.00	0.00
4,900.00	8.86	199.15	4,891.50	-138.23	-47.90	-48.07	0.00	0.00	0.00
5,000.00	8.86	199.15	4,990.31	-152.78	-52.95	-53.15	0.00	0.00	0.00
5,100.00	8.86	199.15	5,089.11	-167.32	-58.00	-58.22	0.00	0.00	0.00
5,200.00	8.86	199.15	5,187.92	-181.87	-63.05	-63.29	0.00	0.00	0.00
5,300.00	8.86	199.15	5,286.73	-196.41	-68.11	-68.36	0.00	0.00	0.00
5,400.00	8.86	199.15	5,385.54	-210.96	-73.16	-73.43	0.00	0.00	0.00
5,500.00	8.86	199.15	5,484.34	-225.51	-78.21	-78.50	0.00	0.00	0.00
5,600.00	8.86	199.15	5,583.15	-240.05	-83.26	-83.57	0.00	0.00	0.00
5,700.00	8.86	199.15	5,681.96	-254.60	-88.32	-88.64	0.00	0.00	0.00
5,800.00	8.86	199.15	5,780.77	-269.14	-93.37	-93.72	0.00	0.00	0.00
5,900.00	8.86	199.15	5,879.57	-283.69	-98.42	-98.79	0.00	0.00	0.00
6,000.00	8.86	199.15	5,978.38	-298.24	-103.47	-103.86	0.00	0.00	0.00
6,100.00	8.86	199.15	6,077.19	-312.78	-108.53	-108.93	0.00	0.00	0.00
6,200.00	8.86	199.15	6,175.99	-327.33	-113.58	-114.00	0.00	0.00	0.00
6,285.02	8.86	199.15	6,260.00	-339.69	-117.87	-118.31	0.00	0.00	0.00
G4: BSGL (CS9)									
6,300.00	8.86	199.15	6,274.80	-341.87	-118.63	-119.07	0.00	0.00	0.00
6,400.00	8.86	199.15	6,373.61	-356.42	-123.68	-124.14	0.00	0.00	0.00
6,500.00	8.86	199.15	6,472.42	-370.96	-128.74	-129.22	0.00	0.00	0.00
6,507.67	8.86	199.15	6,480.00	-372.08	-129.12	-129.61	0.00	0.00	0.00
L8.2: U. Avalon Shale									
6,587.49	8.86	199.15	6,558.87	-383.69	-133.16	-133.65	0.00	0.00	0.00
Begin 2.00°/100' Drop									
6,600.00	8.61	199.15	6,571.23	-385.49	-133.78	-134.28	2.00	-2.00	0.00
6,700.00	6.61	199.15	6,670.34	-397.99	-138.12	-138.64	2.00	-2.00	0.00
6,708.71	6.43	199.15	6,679.00	-398.93	-138.45	-138.96	2.00	-2.00	0.00
L6.3: Avalon Carb									
6,800.00	4.61	199.15	6,769.86	-407.22	-141.33	-141.86	2.00	-2.00	0.00
6,900.00	2.61	199.15	6,869.66	-413.17	-143.40	-143.93	2.00	-2.00	0.00
6,923.36	2.14	199.15	6,893.00	-414.08	-143.71	-144.25	2.00	-2.00	0.00
L6.2: L. Avalon Shale									
6,999.39	0.62	199.15	6,969.00	-415.81	-144.31	-144.85	2.00	-2.00	0.00
L5.3: FBSC									
7,000.00	0.61	199.15	6,969.61	-415.82	-144.32	-144.85	2.00	-2.00	0.00
7,030.39	0.00	0.00	7,000.00	-415.97	-144.37	-144.91	2.00	-2.00	0.00

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
Begin Vertical Hold									
7,100.00	0.00	0.00	7,069.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,200.00	0.00	0.00	7,169.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,300.00	0.00	0.00	7,269.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,338.39	0.00	0.00	7,308.00	-415.97	-144.37	-144.91	0.00	0.00	0.00
L5.1: FBSG									
7,400.00	0.00	0.00	7,369.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,500.00	0.00	0.00	7,469.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,600.00	0.00	0.00	7,569.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,651.39	0.00	0.00	7,621.00	-415.97	-144.37	-144.91	0.00	0.00	0.00
L4.3: SBSC									
7,700.00	0.00	0.00	7,669.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,800.00	0.00	0.00	7,769.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
7,900.00	0.00	0.00	7,869.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,000.00	0.00	0.00	7,969.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,068.39	0.00	0.00	8,038.00	-415.97	-144.37	-144.91	0.00	0.00	0.00
L4.1: SBSG									
8,100.00	0.00	0.00	8,069.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,200.00	0.00	0.00	8,169.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,300.00	0.00	0.00	8,269.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,400.00	0.00	0.00	8,369.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,446.39	0.00	0.00	8,416.00	-415.97	-144.37	-144.91	0.00	0.00	0.00
L3.3: TBSC									
8,500.00	0.00	0.00	8,469.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,600.00	0.00	0.00	8,569.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,700.00	0.00	0.00	8,669.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,800.00	0.00	0.00	8,769.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
8,900.00	0.00	0.00	8,869.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
9,000.00	0.00	0.00	8,969.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
9,100.00	0.00	0.00	9,069.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
9,200.00	0.00	0.00	9,169.61	-415.97	-144.37	-144.91	0.00	0.00	0.00
9,224.94	0.00	0.00	9,194.55	-415.97	-144.37	-144.91	0.00	0.00	0.00
Begin 10.00°/100' Build									
9,250.00	2.51	89.93	9,219.60	-415.97	-143.82	-144.36	10.00	10.00	0.00
9,266.43	4.15	89.93	9,236.00	-415.97	-142.87	-143.40	10.00	10.00	0.00
L3.1: TBSG									
9,300.00	7.51	89.93	9,269.40	-415.96	-139.46	-140.00	10.00	10.00	0.00
9,350.00	12.51	89.93	9,318.62	-415.95	-130.77	-131.31	10.00	10.00	0.00
9,400.00	17.51	89.93	9,366.90	-415.93	-117.83	-118.37	10.00	10.00	0.00
9,450.00	22.51	89.93	9,413.87	-415.91	-100.73	-101.27	10.00	10.00	0.00
9,500.00	27.51	89.93	9,459.17	-415.88	-79.60	-80.14	10.00	10.00	0.00
9,550.00	32.51	89.93	9,502.45	-415.85	-54.60	-55.14	10.00	10.00	0.00
9,600.00	37.51	89.93	9,543.39	-415.82	-25.93	-26.47	10.00	10.00	0.00
9,650.00	42.51	89.93	9,581.68	-415.77	6.20	5.67	10.00	10.00	0.00
9,700.00	47.51	89.93	9,617.02	-415.73	41.55	41.01	10.00	10.00	0.00
9,722.67	49.77	89.93	9,632.00	-415.71	58.57	58.03	10.00	10.00	0.00
L2: WFMP A									
9,750.00	52.51	89.93	9,649.14	-415.68	79.85	79.31	10.00	10.00	0.00
9,800.00	57.51	89.93	9,677.81	-415.63	120.79	120.26	10.00	10.00	0.00
9,850.00	62.51	89.93	9,702.80	-415.57	164.08	163.55	10.00	10.00	0.00
9,900.00	67.51	89.93	9,723.92	-415.51	209.39	208.85	10.00	10.00	0.00
9,950.00	72.51	89.93	9,741.01	-415.45	256.36	255.82	10.00	10.00	0.00
10,000.00	77.51	89.93	9,753.94	-415.39	304.64	304.10	10.00	10.00	0.00

Matador RESOURCES COMPANY

MS Directional
Planning Report

MS Directional

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,050.00	82.51	89.93	9,762.61	-415.33	353.87	353.33	10.00	10.00	0.00
10,100.00	87.51	89.93	9,766.96	-415.26	403.66	403.12	10.00	10.00	0.00
10,120.94	89.60	89.93	9,767.49	-415.24	424.59	424.05	10.00	10.00	0.00
Hold 89.60° Inc, 89.93° Azm									
10,200.00	89.60	89.93	9,768.04	-415.14	503.65	503.11	0.00	0.00	0.00
10,300.00	89.60	89.93	9,768.74	-415.01	603.65	603.11	0.00	0.00	0.00
10,400.00	89.60	89.93	9,769.44	-414.88	703.65	703.11	0.00	0.00	0.00
10,500.00	89.60	89.93	9,770.14	-414.75	803.64	803.11	0.00	0.00	0.00
10,600.00	89.60	89.93	9,770.84	-414.62	903.64	903.10	0.00	0.00	0.00
10,700.00	89.60	89.93	9,771.53	-414.49	1,003.64	1,003.10	0.00	0.00	0.00
10,800.00	89.60	89.93	9,772.23	-414.36	1,103.64	1,103.10	0.00	0.00	0.00
10,900.00	89.60	89.93	9,772.93	-414.24	1,203.63	1,203.10	0.00	0.00	0.00
11,000.00	89.60	89.93	9,773.63	-414.11	1,303.63	1,303.09	0.00	0.00	0.00
11,100.00	89.60	89.93	9,774.33	-413.98	1,403.63	1,403.09	0.00	0.00	0.00
11,196.60	89.60	89.93	9,775.00	-413.86	1,500.22	1,499.69	0.00	0.00	0.00
Begin 2.00°/100' Drop									
11,200.00	89.53	89.93	9,775.03	-413.85	1,503.63	1,503.09	2.00	-2.00	0.00
11,226.67	89.00	89.93	9,775.37	-413.82	1,530.29	1,529.75	2.00	-2.00	0.00
Hold 89.00° Inc									
11,300.00	89.00	89.93	9,776.65	-413.72	1,603.61	1,603.08	0.00	0.00	0.00
11,400.00	89.00	89.93	9,778.40	-413.59	1,703.60	1,703.06	0.00	0.00	0.00
11,500.00	89.00	89.93	9,780.14	-413.47	1,803.58	1,803.05	0.00	0.00	0.00
11,600.00	89.00	89.93	9,781.89	-413.34	1,903.57	1,903.03	0.00	0.00	0.00
11,700.00	89.00	89.93	9,783.64	-413.21	2,003.55	2,003.02	0.00	0.00	0.00
11,800.00	89.00	89.93	9,785.39	-413.08	2,103.54	2,103.00	0.00	0.00	0.00
11,900.00	89.00	89.93	9,787.14	-412.95	2,203.52	2,202.99	0.00	0.00	0.00
12,000.00	89.00	89.93	9,788.88	-412.82	2,303.50	2,302.97	0.00	0.00	0.00
12,100.00	89.00	89.93	9,790.63	-412.69	2,403.49	2,402.95	0.00	0.00	0.00
12,200.00	89.00	89.93	9,792.38	-412.57	2,503.47	2,502.94	0.00	0.00	0.00
12,300.00	89.00	89.93	9,794.13	-412.44	2,603.46	2,602.92	0.00	0.00	0.00
12,400.00	89.00	89.93	9,795.87	-412.31	2,703.44	2,702.91	0.00	0.00	0.00
12,500.00	89.00	89.93	9,797.62	-412.18	2,803.43	2,802.89	0.00	0.00	0.00
12,600.00	89.00	89.93	9,799.37	-412.05	2,903.41	2,902.88	0.00	0.00	0.00
12,700.00	89.00	89.93	9,801.12	-411.92	3,003.40	3,002.86	0.00	0.00	0.00
12,800.00	89.00	89.93	9,802.86	-411.79	3,103.38	3,102.85	0.00	0.00	0.00
12,900.00	89.00	89.93	9,804.61	-411.67	3,203.37	3,202.83	0.00	0.00	0.00
13,000.00	89.00	89.93	9,806.36	-411.54	3,303.35	3,302.82	0.00	0.00	0.00
13,100.00	89.00	89.93	9,808.11	-411.41	3,403.34	3,402.80	0.00	0.00	0.00
13,200.00	89.00	89.93	9,809.86	-411.28	3,503.32	3,502.79	0.00	0.00	0.00
13,300.00	89.00	89.93	9,811.60	-411.15	3,603.31	3,602.77	0.00	0.00	0.00
13,400.00	89.00	89.93	9,813.35	-411.02	3,703.29	3,702.76	0.00	0.00	0.00
13,500.00	89.00	89.93	9,815.10	-410.90	3,803.27	3,802.74	0.00	0.00	0.00
13,600.00	89.00	89.93	9,816.85	-410.77	3,903.26	3,902.73	0.00	0.00	0.00
13,700.00	89.00	89.93	9,818.59	-410.64	4,003.24	4,002.71	0.00	0.00	0.00
13,800.00	89.00	89.93	9,820.34	-410.51	4,103.23	4,102.69	0.00	0.00	0.00
13,900.00	89.00	89.93	9,822.09	-410.38	4,203.21	4,202.68	0.00	0.00	0.00
14,000.00	89.00	89.93	9,823.84	-410.25	4,303.20	4,302.66	0.00	0.00	0.00
14,100.00	89.00	89.93	9,825.58	-410.12	4,403.18	4,402.65	0.00	0.00	0.00
14,200.00	89.00	89.93	9,827.33	-410.00	4,503.17	4,502.63	0.00	0.00	0.00
14,300.00	89.00	89.93	9,829.08	-409.87	4,603.15	4,602.62	0.00	0.00	0.00
14,400.00	89.00	89.93	9,830.83	-409.74	4,703.14	4,702.60	0.00	0.00	0.00
14,500.00	89.00	89.93	9,832.58	-409.61	4,803.12	4,802.59	0.00	0.00	0.00
14,524.30	89.00	89.93	9,833.00	-409.58	4,827.42	4,826.88	0.00	0.00	0.00

MS Directional
Planning Report

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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									
14,600.00	89.00	89.93	9,834.32	-409.48	4,903.11	4,902.57	0.00	0.00	0.00
14,700.00	89.00	89.93	9,836.07	-409.35	5,003.09	5,002.56	0.00	0.00	0.00
14,800.00	89.00	89.93	9,837.82	-409.23	5,103.07	5,102.54	0.00	0.00	0.00
14,900.00	89.00	89.93	9,839.57	-409.10	5,203.06	5,202.53	0.00	0.00	0.00
15,000.00	89.00	89.93	9,841.31	-408.97	5,303.04	5,302.51	0.00	0.00	0.00
15,100.00	89.00	89.93	9,843.06	-408.84	5,403.03	5,402.50	0.00	0.00	0.00
15,200.00	89.00	89.93	9,844.81	-408.71	5,503.01	5,502.48	0.00	0.00	0.00
15,300.00	89.00	89.93	9,846.56	-408.58	5,603.00	5,602.47	0.00	0.00	0.00
15,400.00	89.00	89.93	9,848.30	-408.45	5,702.98	5,702.45	0.00	0.00	0.00
15,500.00	89.00	89.93	9,850.05	-408.33	5,802.97	5,802.44	0.00	0.00	0.00
15,600.00	89.00	89.93	9,851.80	-408.20	5,902.95	5,902.42	0.00	0.00	0.00
15,697.28	89.00	89.93	9,853.50	-408.07	6,000.22	5,999.69	0.00	0.00	0.00
Begin 2.00°/100' Build									
15,702.33	89.10	89.93	9,853.58	-408.07	6,005.26	6,004.73	2.00	2.00	0.00
Hold 89.10° Inc									
15,800.00	89.10	89.93	9,855.12	-407.94	6,102.92	6,102.39	0.00	0.00	0.00
15,900.00	89.10	89.93	9,856.69	-407.81	6,202.91	6,202.38	0.00	0.00	0.00
16,000.00	89.10	89.93	9,858.26	-407.68	6,302.90	6,302.37	0.00	0.00	0.00
16,100.00	89.10	89.93	9,859.83	-407.55	6,402.89	6,402.36	0.00	0.00	0.00
16,200.00	89.10	89.93	9,861.41	-407.43	6,502.87	6,502.34	0.00	0.00	0.00
16,300.00	89.10	89.93	9,862.98	-407.30	6,602.86	6,602.33	0.00	0.00	0.00
16,400.00	89.10	89.93	9,864.55	-407.17	6,702.85	6,702.32	0.00	0.00	0.00
16,500.00	89.10	89.93	9,866.12	-407.04	6,802.84	6,802.31	0.00	0.00	0.00
16,600.00	89.10	89.93	9,867.69	-406.91	6,902.82	6,902.29	0.00	0.00	0.00
16,700.00	89.10	89.93	9,869.26	-406.78	7,002.81	7,002.28	0.00	0.00	0.00
16,800.00	89.10	89.93	9,870.84	-406.66	7,102.80	7,102.27	0.00	0.00	0.00
16,900.00	89.10	89.93	9,872.41	-406.53	7,202.79	7,202.26	0.00	0.00	0.00
17,000.00	89.10	89.93	9,873.98	-406.40	7,302.78	7,302.24	0.00	0.00	0.00
17,100.00	89.10	89.93	9,875.55	-406.27	7,402.76	7,402.23	0.00	0.00	0.00
17,200.00	89.10	89.93	9,877.12	-406.14	7,502.75	7,502.22	0.00	0.00	0.00
17,300.00	89.10	89.93	9,878.69	-406.01	7,602.74	7,602.21	0.00	0.00	0.00
17,400.00	89.10	89.93	9,880.27	-405.88	7,702.73	7,702.19	0.00	0.00	0.00
17,500.00	89.10	89.93	9,881.84	-405.76	7,802.71	7,802.18	0.00	0.00	0.00
17,600.00	89.10	89.93	9,883.41	-405.63	7,902.70	7,902.17	0.00	0.00	0.00
17,700.00	89.10	89.93	9,884.98	-405.50	8,002.69	8,002.16	0.00	0.00	0.00
17,800.00	89.10	89.93	9,886.55	-405.37	8,102.68	8,102.15	0.00	0.00	0.00
17,900.00	89.10	89.93	9,888.12	-405.24	8,202.66	8,202.13	0.00	0.00	0.00
18,000.00	89.10	89.93	9,889.69	-405.11	8,302.65	8,302.12	0.00	0.00	0.00
18,100.00	89.10	89.93	9,891.27	-404.98	8,402.64	8,402.11	0.00	0.00	0.00
18,197.59	89.10	89.93	9,892.80	-404.86	8,500.22	8,499.69	0.00	0.00	0.00
Begin 2.00°/100' Build									
18,200.00	89.15	89.93	9,892.84	-404.86	8,502.63	8,502.10	2.00	2.00	0.00
18,212.67	89.40	89.93	9,893.00	-404.84	8,515.30	8,514.77	2.00	2.00	0.00
Hold 89.40° Inc									
18,300.00	89.40	89.93	9,893.91	-404.73	8,602.62	8,602.09	0.00	0.00	0.00
18,400.00	89.40	89.93	9,894.96	-404.60	8,702.61	8,702.08	0.00	0.00	0.00
18,500.00	89.40	89.93	9,896.00	-404.47	8,802.61	8,802.08	0.00	0.00	0.00
18,600.00	89.40	89.93	9,897.05	-404.34	8,902.60	8,902.07	0.00	0.00	0.00
18,700.00	89.40	89.93	9,898.09	-404.21	9,002.60	9,002.07	0.00	0.00	0.00
18,800.00	89.40	89.93	9,899.14	-404.09	9,102.59	9,102.06	0.00	0.00	0.00
18,900.00	89.40	89.93	9,900.18	-403.96	9,202.59	9,202.06	0.00	0.00	0.00
19,000.00	89.40	89.93	9,901.23	-403.83	9,302.58	9,302.05	0.00	0.00	0.00
19,100.00	89.40	89.93	9,902.27	-403.70	9,402.58	9,402.05	0.00	0.00	0.00

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
Company:	Matador Resources	**TVD Reference:**	WELL @ 3338.50usft (Patterson 295)
Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
19,200.00	89.40	89.93	9,903.32	-403.57	9,502.57	9,502.04	0.00	0.00	0.00
19,300.00	89.40	89.93	9,904.36	-403.44	9,602.56	9,602.04	0.00	0.00	0.00
19,400.00	89.40	89.93	9,905.41	-403.31	9,702.56	9,702.03	0.00	0.00	0.00
19,500.00	89.40	89.93	9,906.45	-403.19	9,802.55	9,802.02	0.00	0.00	0.00
19,600.00	89.40	89.93	9,907.50	-403.06	9,902.55	9,902.02	0.00	0.00	0.00
19,700.00	89.40	89.93	9,908.54	-402.93	10,002.54	10,002.01	0.00	0.00	0.00
19,800.00	89.40	89.93	9,909.59	-402.80	10,102.54	10,102.01	0.00	0.00	0.00
19,900.00	89.40	89.93	9,910.63	-402.67	10,202.53	10,202.00	0.00	0.00	0.00
20,000.00	89.40	89.93	9,911.68	-402.54	10,302.53	10,302.00	0.00	0.00	0.00
20,100.00	89.40	89.93	9,912.72	-402.41	10,402.52	10,401.99	0.00	0.00	0.00
20,200.00	89.40	89.93	9,913.77	-402.29	10,502.51	10,501.99	0.00	0.00	0.00
20,300.00	89.40	89.93	9,914.82	-402.16	10,602.51	10,601.98	0.00	0.00	0.00
20,400.00	89.40	89.93	9,915.86	-402.03	10,702.50	10,701.98	0.00	0.00	0.00
20,500.00	89.40	89.93	9,916.91	-401.90	10,802.50	10,801.97	0.00	0.00	0.00
20,600.00	89.40	89.93	9,917.95	-401.77	10,902.49	10,901.96	0.00	0.00	0.00
20,700.00	89.40	89.93	9,919.00	-401.64	11,002.49	11,001.96	0.00	0.00	0.00
20,800.00	89.40	89.93	9,920.04	-401.52	11,102.48	11,101.95	0.00	0.00	0.00
20,900.00	89.40	89.93	9,921.09	-401.39	11,202.48	11,201.95	0.00	0.00	0.00
21,000.00	89.40	89.93	9,922.13	-401.26	11,302.47	11,301.94	0.00	0.00	0.00
21,100.00	89.40	89.93	9,923.18	-401.13	11,402.46	11,401.94	0.00	0.00	0.00
21,200.00	89.40	89.93	9,924.22	-401.00	11,502.46	11,501.93	0.00	0.00	0.00
21,300.00	89.40	89.93	9,925.27	-400.87	11,602.45	11,601.93	0.00	0.00	0.00
21,400.00	89.40	89.93	9,926.31	-400.74	11,702.45	11,701.92	0.00	0.00	0.00
21,500.00	89.40	89.93	9,927.36	-400.62	11,802.44	11,801.92	0.00	0.00	0.00
21,600.00	89.40	89.93	9,928.40	-400.49	11,902.44	11,901.91	0.00	0.00	0.00
21,700.00	89.40	89.93	9,929.45	-400.36	12,002.43	12,001.90	0.00	0.00	0.00
21,800.00	89.40	89.93	9,930.49	-400.23	12,102.43	12,101.90	0.00	0.00	0.00
21,900.00	89.40	89.93	9,931.54	-400.10	12,202.42	12,201.89	0.00	0.00	0.00
22,000.00	89.40	89.93	9,932.58	-399.97	12,302.42	12,301.89	0.00	0.00	0.00
22,100.00	89.40	89.93	9,933.63	-399.84	12,402.41	12,401.88	0.00	0.00	0.00
22,200.00	89.40	89.93	9,934.67	-399.72	12,502.40	12,501.88	0.00	0.00	0.00
22,300.00	89.40	89.93	9,935.72	-399.59	12,602.40	12,601.87	0.00	0.00	0.00
22,325.55	89.40	89.93	9,935.99	-399.56	12,627.95	12,627.42	0.00	0.00	0.00
PBHL - 5 1/2"									

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
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Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FPP - Simon Camami - plan hits target center - Point	0.00	0.00	9,428.65	-415.90	-94.36	549,503.52	582,718.80	32.510409	-104.064998
1500' VS - Simon Car - plan hits target center - Point	0.00	0.00	9,775.00	-413.86	1,500.22	549,505.56	584,313.38	32.510404	-104.059825
BLM1 - Simon Caman - plan misses target center by 0.01usft at 14787.94usft MD (9837.61 TVD, -409.24 N, 5091.01 E) - Point	0.00	0.00	9,837.61	-409.25	5,091.01	549,510.17	587,904.17	32.510390	-104.048177
6000' VS - Simon Car - plan hits target center - Point	0.00	0.00	9,853.50	-408.07	6,000.22	549,511.35	588,813.37	32.510387	-104.045227
BLM2 - Simon Caman - plan misses target center by 0.02usft at 17449.29usft MD (9881.04 TVD, -405.82 N, 7752.01 E) - Point	0.00	0.00	9,881.04	-405.80	7,752.01	549,513.62	590,565.17	32.510380	-104.039544
8500' VS - Simon Car - plan hits target center - Point	0.00	0.00	9,892.80	-404.86	8,500.22	549,514.56	591,313.37	32.510377	-104.037117
BLM3 - Simon Caman - plan misses target center by 0.01usft at 20101.53usft MD (9912.74 TVD, -402.41 N, 10404.05 E) - Point	0.00	0.00	9,912.74	-402.43	10,404.05	549,516.99	593,217.20	32.510369	-104.030941
PBHL v2 - Simon Can - plan hits target center - Point	0.00	0.00	9,935.99	-399.56	12,627.95	549,519.86	595,441.11	32.510359	-104.023727
LPP - Simon Camami - plan misses target center by 10.00usft at 22325.55usft MD (9935.99 TVD, -399.56 N, 12627.95 E) - Point	0.00	0.00	9,936.09	-399.54	12,637.95	549,519.88	595,451.10	32.510359	-104.023695

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
665.00	665.00	20"	20	26
1,651.30	1,650.00	13 3/8"	13-3/8	17-1/2
3,879.30	3,878.00	8 5/8"	8-5/8	12-1/4
22,325.55	9,935.99	5 1/2"	5-1/2	7-7/8

Database:	EDM 5000.15 Conroe DB	**Local Co-ordinate Reference:**	Well Simon Camamile 0206 Fed Com 204H
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Project:	Eddy County, New Mexico (NAD 27)	**MD Reference:**	WELL @ 3338.50usft (Patterson 295)
Site:	Simon Camamile (203H, 204H)	**North Reference:**	Grid
Well:	Simon Camamile 0206 Fed Com 204H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
624.00	624.00	Rustler		0.000	
894.02	894.00	Salado		0.000	
1,651.30	1,650.00	Yates		0.000	
1,754.30	1,753.00	Capitan Reef		0.000	
3,642.30	3,641.00	G13: Cherry Cyn.		0.000	
6,285.02	6,260.00	G4: BSGL (CS9)		0.000	
6,507.67	6,480.00	L8.2: U. Avalon Shale		0.000	
6,708.71	6,679.00	L6.3: Avalon Carb		0.000	
6,923.36	6,893.00	L6.2: L. Avalon Shale		0.000	
6,999.39	6,969.00	L5.3: FBSC		0.000	
7,338.39	7,308.00	L5.1: FBSG		0.000	
7,651.39	7,621.00	L4.3: SBSC		0.000	
8,068.39	8,038.00	L4.1: SBSG		0.000	
8,446.39	8,416.00	L3.3: TBSC		0.000	
9,266.43	9,236.00	L3.1: TBSG		0.000	
9,722.67	9,632.00	L2: WFMP A		0.000	
14,524.30	9,833.00	WFMP B		0.000	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
800.00	800.00	0.00	0.00	KOP, 2.00°/100' Build
1,000.00	999.84	-6.60	-2.27	Hold 4.00° Inc, 199.00° Azm
1,401.14	1,400.00	-33.06	-11.38	Begin 2.00°/100' Drop
1,601.14	1,599.84	-39.65	-13.65	Begin Vertical Hold
4,001.30	4,000.00	-39.65	-13.65	Begin 2.00°/100' Build
4,444.20	4,441.13	-71.93	-24.87	Begin 8.86° Tangent
6,587.49	6,558.87	-383.69	-133.16	Begin 2.00°/100' Drop
7,030.39	7,000.00	-415.97	-144.37	Begin Vertical Hold
9,224.94	9,194.55	-415.97	-144.37	Begin 10.00°/100' Build
10,120.94	9,767.49	-415.24	424.59	Hold 89.60° Inc, 89.93° Azm
11,196.60	9,775.00	-413.86	1,500.22	Begin 2.00°/100' Drop
11,226.67	9,775.37	-413.82	1,530.29	Hold 89.00° Inc
15,697.28	9,853.50	-408.07	6,000.22	Begin 2.00°/100' Build
15,702.33	9,853.58	-408.07	6,005.26	Hold 89.10° Inc
18,197.59	9,892.80	-404.86	8,500.22	Begin 2.00°/100' Build
18,212.67	9,893.00	-404.84	8,515.30	Hold 89.40° Inc
22,325.56	9,935.99	-399.56	12,627.95	PBHL

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

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 285162
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	11/16/2023

District I
1625 N. French Dr., Hobbs, NM 88240
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 349918

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349918
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

COMMENTS

Created By	Comment	Comment Date
dmcclure	Original well which was skidded is the 30-015-54305 SIMON CAMAMILE 0206 FEDERAL COM #204Y	5/31/2024

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Santa Fe, NM 87505

CONDITIONS

Action 349918

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 349918
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	None	5/31/2024