Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-54184

5.Indicate Type of Lease STATE ☐ FEE ☒ FEDERAL ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: ROGER DONLON

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

8. Well Number 119H

2. Name of Operator: Matador Production Company

9. OGRID Number 228937

3. Address of Operator: One Lincoln Centre, 5400 LBJ Freeway, Ste 1500, Dallas, TX 75240

10. Pool name or Wildcat: RED HILLS;LOWER BONE SPRING

4. Well Location
Unit Letter A : 151 feet from the NORTH line and 410 feet from the EAST line
Section 15 Township 25S Range 34E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3333 GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Matador is requesting a change of plans to due to shift in well bore due to anti-collision concerns. Please find updated, C102, Directional Plan, and Casing and cementing plans.

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brett Jennings TITLE Brett Jennings DATE 02/03/2025

Type or print name Brett Jennings E-mail address: Brett.Jennings@matadorresources.com PHONE: 972-629-2160

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☐ Initial Submittal ☐ Amended Report ☐ As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name	
Property Code	Property Name ROGER DONLON		Well Number 119H
OGRID No.	Operator Name MATADOR PRODUCTION COMPANY		Ground Level Elevation 3333'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal	

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	151' N	410' E	N 32.1373497	W 103.4506268	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	15	25-S	34-E	-	110' N	1782' E	N 32.1374662	W 103.4550601	LEA

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidated Code
480	-	-	-	
Order Numbers			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	50' N	484' E	N 32.1376265	W 103.4508663	LEA

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
A	15	25-S	34-E	-	100' N	484' E	N 32.1374890	W 103.4508661	LEA

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
B	15	25-S	34-E	-	110' N	1782' E	N 32.1374662	W 103.4550601	LEA

Unitized Area or Area of Uniform Intrest	Spacing Unity Type	Ground Floor Elevation
-	☐ Horizontal ☐ Vertical	

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Signature: Chris Carleton Date: 2/3/25

Print Name: Chris Carleton

E-mail Address: cearleton@matadorresources.com

SURVEYORS 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 and correct to the best of my belief.

ANGEL M. BARAJA NEW MEXICO 25116 1/31/25 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor Date

Certificate Number

Date of Survey: 10/25/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☐ Initial Submittal ☐ Amended Report ☐ As Drilled

Property Name and Well Number

ROGER DONLON 119H

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=814562 Y=414823
LAT.: N 32.1373497
LONG.: W 103.4506268
NAD 1927
X=773376 Y=414765
LAT.: N 32.1372245
LONG.: W 103.4501581
151' FNL 410' FEL

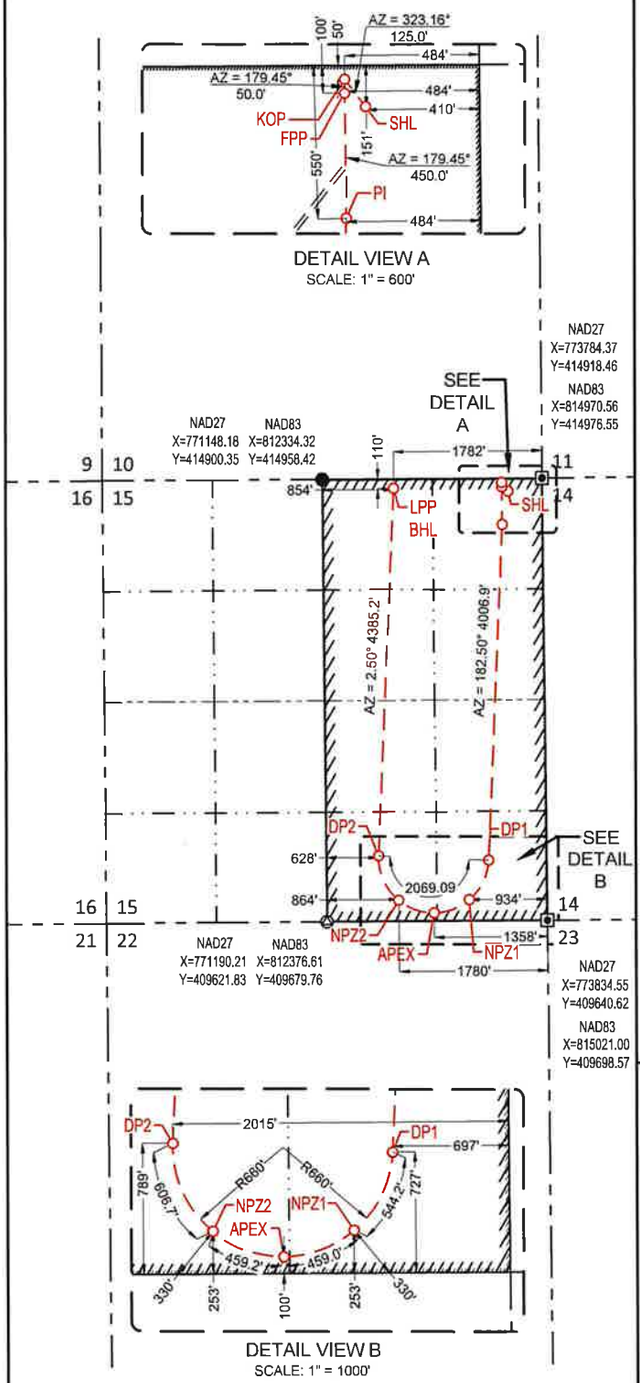
KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=814487 Y=414923
LAT.: N 32.1376265
LONG.: W 103.4508663
NAD 1927
X=773301 Y=414865
LAT.: N 32.1375013
LONG.: W 103.4503976
50' FNL 484' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=814488 Y=414873
LAT.: N 32.1374890
LONG.: W 103.4508661
NAD 1927
X=773301 Y=414815
LAT.: N 32.1373638
LONG.: W 103.4503974
100' FNL 484' FEL

LATERAL PI
NEW MEXICO EAST
NAD 1983
X=814492 Y=414423
LAT.: N 32.1362521
LONG.: W 103.4508641
NAD 1927
X=773306 Y=414365
LAT.: N 32.1361269
LONG.: W 103.4503955
550' FNL 484' FEL

DEFLECTION POINT (DP1)
NEW MEXICO EAST
NAD 1983
X=814317 Y=410420
LAT.: N 32.1252530
LONG.: W 103.4515342
NAD 1927
X=773131 Y=410362
LAT.: N 32.1251277
LONG.: W 103.4510662
727' FSL 697' FEL

NON PERF. ZONE (NPZ1)
NEW MEXICO EAST
NAD 1983
X=814084 Y=409945
LAT.: N 32.1239530
LONG.: W 103.4522988
NAD 1927
X=772898 Y=409887
LAT.: N 32.1238277
LONG.: W 103.4518308
253' FSL 934' FEL



U-TURN APEX (APEX)
NEW MEXICO EAST
NAD 1983
X=813663 Y=409789
LAT.: N 32.1235327
LONG.: W 103.4536652
NAD 1927
X=772476 Y=409731
LAT.: N 32.1234075
LONG.: W 103.4531972
100' FSL 1358' FEL

NON PERF. ZONE (NPZ2)
NEW MEXICO EAST
NAD 1983
X=813238 Y=409939
LAT.: N 32.1239554
LONG.: W 103.4550311
NAD 1927
X=772052 Y=409881
LAT.: N 32.1238302
LONG.: W 103.4545630
253' FSL 1780' FEL

DEFLECTION POINT (DP2)
NEW MEXICO EAST
NAD 1983
X=812998 Y=410473
LAT.: N 32.1254287
LONG.: W 103.4557929
NAD 1927
X=771812 Y=410415
LAT.: N 32.1253035
LONG.: W 103.4553247
789' FSL 2015' FEL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=813189 Y=414854
LAT.: N 32.1374662
LONG.: W 103.4550601
NAD 1927
X=772003 Y=414796
LAT.: N 32.1373410
LONG.: W 103.4545912
110' FNL 1782' FEL

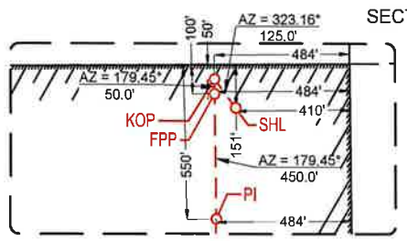
SURVEYORS CERTIFICATION

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 and correct to the best of my belief.

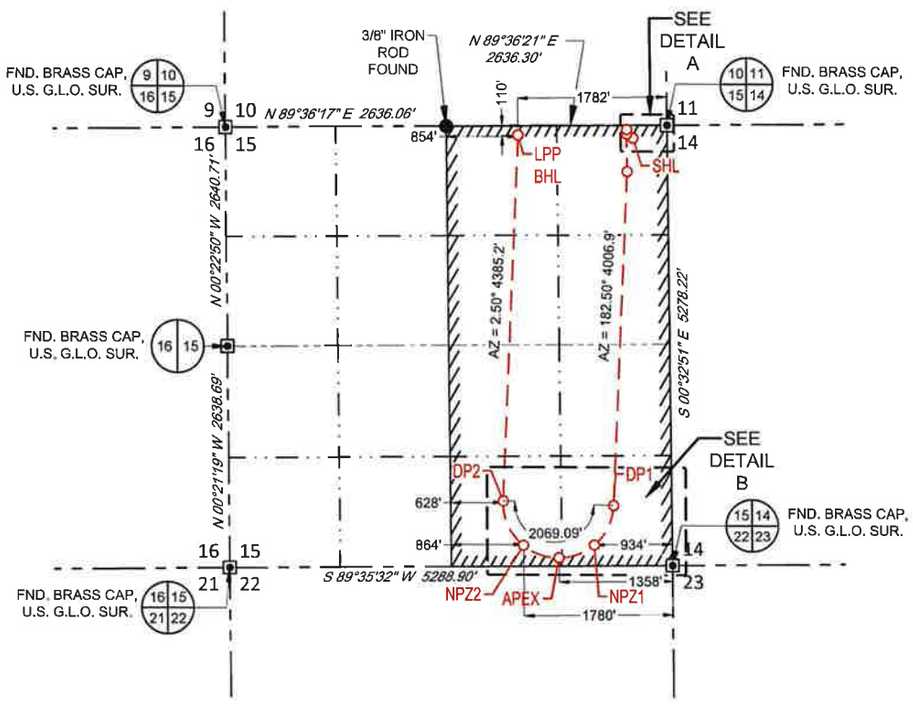
10/25/2024
Date of Survey
Signature and Seal of Professional Surveyor:

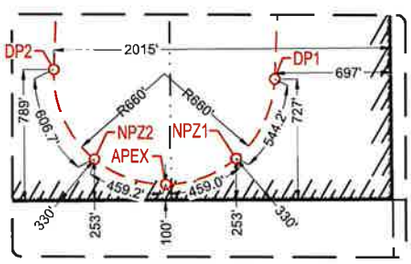
ANGEL M. BAEZA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR
10/31/25

SECTION 15, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



DETAIL VIEW A
SCALE: 1" = 600'





DETAIL VIEW B
SCALE: 1" = 1000'

SCALE: 1" = 2000'
0' 1000' 2000'

SURFACE LOCATION (SHL)
NEW MEXICO EAST
NAD 1983
X=814562 Y=414823
LAT.: N 32.1373497
LONG.: W 103.4506268
151' FNL 410' FEL

KICK OFF POINT (KOP)
NEW MEXICO EAST
NAD 1983
X=814487 Y=414923
LAT.: N 32.1376265
LONG.: W 103.4508663
50' FNL 484' FEL

FIRST PERF. POINT (FPP)
NEW MEXICO EAST
NAD 1983
X=814488 Y=414873
LAT.: N 32.1374890
LONG.: W 103.4508661
100' FNL 484' FEL

LATERAL PI
NEW MEXICO EAST
NAD 1983
X=814492 Y=414423
LAT.: N 32.1362521
LONG.: W 103.4508641
550' FNL 484' FEL

DEFLECTION POINT (DP1)
NEW MEXICO EAST
NAD 1983
X=814317 Y=410420
LAT.: N 32.1252530
LONG.: W 103.4515342
727' FSL 697' FEL

NON PERF. ZONE (NPZ1)
NEW MEXICO EAST
NAD 1983
X=814084 Y=409945
LAT.: N 32.1239530
LONG.: W 103.4522988
253' FSL 934' FEL

U-TURN APEX (APEX)
NEW MEXICO EAST
NAD 1983
X=813663 Y=409789
LAT.: N 32.1235327
LONG.: W 103.4536652
100' FSL 1358' FEL

NON PERF. ZONE (NPZ2)
NEW MEXICO EAST
NAD 1983
X=813238 Y=409939
LAT.: N 32.1239554
LONG.: W 103.4550311
253' FSL 1828' FEL

DEFLECTION POINT (DP2)
NEW MEXICO EAST
NAD 1983
X=812998 Y=410473
LAT.: N 32.1254287
LONG.: W 103.4557929
789' FSL 2015' FEL

LAST PERF. POINT (LPP)
BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST
NAD 1983
X=813189 Y=414854
LAT.: N 32.1374662
LONG.: W 103.4550601
110' FNL 1782' FEL

LEASE NAME & WELL NO.: ROGER DONLON 119H

SECTION 15 TWP 25-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 151' FNL & 410' FEL

DISTANCE & DIRECTION
FROM INT. OF DELAWARE BASIN RD. & NM-128 E. GO EAST ON NM-128 E ±6.6 MILES, THENCE SOUTHWEST (RIGHT) ON BATTLE AXE RD. ±5.5 MILES, THENCE SOUTHEAST (LEFT) ON A LEASE RD. ±0.4 MILES, THENCE NORTHEAST (LEFT) ON A LEASE RD. ±0.1 MILES TO A POINT ±235 FEET SOUTHWEST OF THE LOCATION.

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

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

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

ANGEL M. BAEZA NEW MEXICO 25116 1/31/25 PROFESSIONAL SURVEYOR

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

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

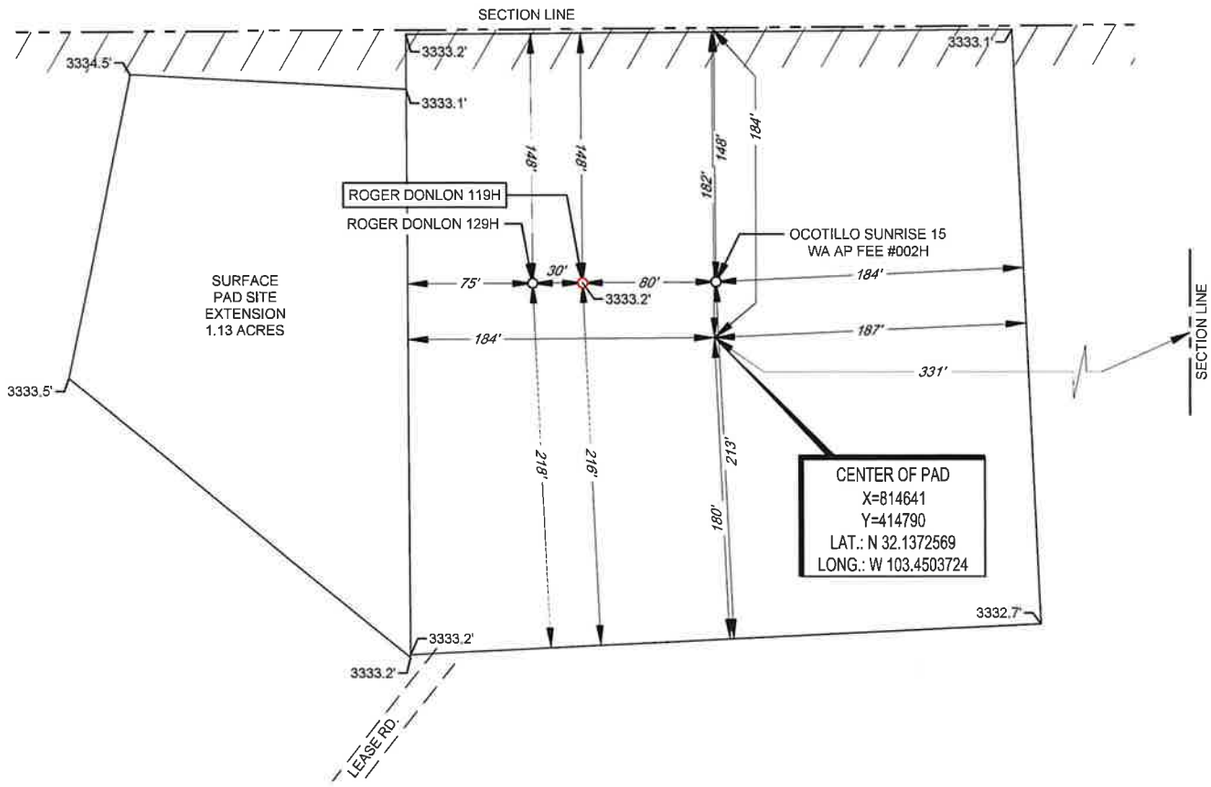
S:\SURVEY\MATADOR_RESOURCES\ROGER_DONLON_INFRASTRUCTURE\FINAL_PRODUCTS\LO_ROGER_DONLON_119H_REV2.DWG 1/31/2025 3:40:17 PM mike.waller

LEGEND

SECTION LINE
ROAD WAY

DETAIL VIEW
SCALE: 1" = 100'

SECTION 15, TOWNSHIP 25-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



ANGEL M. BAEZA
NEW MEXICO
25116
1/31/25
PROFESSIONAL SURVEYOR

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

LEASE NAME & WELL NO.: ROGER DONLON 119H
119H LATITUDE N 32.1373497 119H LONGITUDE W 103.4506268

CENTER OF PAD IS 184' FNL & 331' FEL

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

S:\SURVEY\MATADOR_RESOURCES\ROGER_DONLON_INFRASTRUCTURE\FINAL_PRODUCTS\LO_ROGER_DONLON_119H_REV2.DWG 1/31/2025 3:40:18 PM mike.waller

Well Name:	Roger Donlon #119H									
STRING	FLUID TYPE	HOLE SZ	CSG SZ	CSG GRADE	CSG WT	DEPTH SET	TOP CSG	TTL SX CEMENT	EST TOC	ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)
SURF	FRESH WTR	17.5	13.375	J-55	54.50	877	0	577	0	Option to drill surface hole with surface setting rig and offline cemen
INT 1	Deisel brine emulsion	9.875	7.625	P-110	29.70	9686	0	926	0	Option to run DV tool and Packer.
PROD	Cut Brine/OBM	6.75	5.5	P-110	20.00	21082	0	779	9486	

Fluid Type Pick List Choices

- Air
- Fresh Water
- Cut Brine
- Brine
- Produced Water
- Mud
- Oil-Based Mud

Matador Resources

Lea County, New Mexico (NAD 27)
Roger Donlon (119H, 129H)
Roger Donlon 119H

Wellbore #1
Design #3

Anticollision Report

27 January, 2025

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Reference Design #3

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,000.00usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 1/27/2025

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	21,081.90	Design #3 (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
Million Dollar Man						
Million Dollar Man Fed Com 301H - Wellbore #1 - Design	10,827.43	16,714.31	1,121.58	1,014.72	10.496	CC, ES
Million Dollar Man Fed Com 301H - Wellbore #1 - Design	14,700.00	20,570.27	1,473.07	1,300.99	8.560	SF
Million Dollar Man Fed Com 401H - Wellbore #1 - Design	10,827.50	16,995.20	1,177.09	1,071.07	11.103	CC, ES
Million Dollar Man Fed Com 401H - Wellbore #1 - Design	14,700.00	20,851.10	1,511.47	1,340.15	8.823	SF
Million Dollar Man Fed Com 501H - Wellbore #1 - Design	10,827.76	17,293.32	1,301.86	1,199.38	12.704	CC, ES
Million Dollar Man Fed Com 501H - Wellbore #1 - Design	14,700.00	21,149.00	1,606.39	1,438.64	9.576	SF
Roger Donlon (119H, 129H)						
Roger Donlon 129H - Wellbore #1 - Design #1	1,475.44	1,475.06	24.69	14.33	2.383	CC
Roger Donlon 129H - Wellbore #1 - Design #1	1,500.00	1,499.59	24.73	14.19	2.346	ES
Roger Donlon 129H - Wellbore #1 - Design #1	6,700.00	6,699.46	89.67	41.94	1.879	SF
Roger Donlon Offsets (NAD 27)						
OCOTILLO SUNRISE #401H - Wellbore #1 - Surveys	21,081.90	10,420.56	763.90	661.92	7.491	CC, ES, SF
OCOTILLO SUNRISE #411H - Wellbore #1 - Surveys	21,081.90	10,416.44	610.37	520.52	6.793	CC, ES, SF
OCOTILLO SUNRISE `15` WA AP FEE #002H - Wellbore	1,275.58	1,273.59	71.32	63.30	8.889	CC
OCOTILLO SUNRISE `15` WA AP FEE #002H - Wellbore	10,226.26	10,182.06	109.50	41.07	1.600	ES, SF
OSPREY 10 #303H - Wellbore #1 - Surveys	21,081.90	10,180.70	369.29	275.91	3.955	CC, ES, SF
OSPREY 10 #304H - Wellbore #1 - Surveys	9,800.00	9,909.21	174.97	101.36	2.377	CC, ES, SF
OSPREY 10 #706H - Wellbore #1 - Surveys	7,998.99	8,017.33	524.24	467.16	9.184	CC
OSPREY 10 #706H - Wellbore #1 - Surveys	8,200.00	8,216.27	524.73	466.24	8.972	ES
OSPREY 10 #706H - Wellbore #1 - Surveys	21,081.90	10,360.51	711.67	601.09	6.436	SF
SIDEWINDER SWD #001 - Wellbore #1 - Wellbore #1	11,811.05	10,352.01	489.50	410.29	6.180	CC, ES, SF
WILD WEASEL 15 FED COM #707H - Wellbore #1 - Sur	15,136.74	10,506.30	104.00	5.43	1.055	Level 2, CC, ES, SF
WILD WEASEL 15 FEDERAL COM #706H - Wellbore #1	14,936.30	10,389.00	528.82	426.11	5.149	CC, ES
WILD WEASEL 15 FEDERAL COM #706H - Wellbore #1	15,000.00	10,389.00	535.35	429.41	5.053	SF
WILD WEASEL 15 FEDERAL COM #710H - Wellbore #1	14,879.35	10,577.00	276.09	164.54	2.475	CC
WILD WEASEL 15 FEDERAL COM #710H - Wellbore #1	14,900.00	10,577.00	277.19	164.50	2.460	ES, SF
WILD WEASEL 22 FEDERAL COM #701H - Wellbore #1	15,000.00	10,406.92	736.73	631.12	6.976	CC
WILD WEASEL 22 FEDERAL COM #701H - Wellbore #1	15,004.45	10,406.82	736.74	630.91	6.962	ES
WILD WEASEL 22 FEDERAL COM #701H - Wellbore #1	15,100.00	10,404.88	750.55	640.46	6.818	SF
WILD WEASEL 22 FEDERAL COM #702H - Wellbore #1	15,158.55	10,403.02	422.22	323.00	4.255	CC
WILD WEASEL 22 FEDERAL COM #702H - Wellbore #1	15,200.00	10,402.72	425.54	322.36	4.124	ES, SF
WILD WEASEL 22 FEDERAL COM #704H - Wellbore #1	15,459.09	10,403.96	248.29	164.13	2.950	CC
WILD WEASEL 22 FEDERAL COM #704H - Wellbore #1	15,500.00	10,404.26	252.88	161.63	2.771	ES, SF
WILD WEASEL 22 FEDERAL COM #705H - Wellbore #1	16,000.00	10,473.59	503.56	407.85	5.261	SF
WILD WEASEL 22 FEDERAL COM #705H - Wellbore #1	16,076.92	10,474.50	493.20	402.93	5.464	CC, ES

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

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
Roger Donlon Offsets (NAD 27)						
WILD WEASEL 22 FEDERAL COM #713H - Wellbore #1	15,518.80	10,347.81	421.58	342.82	5.352	CC, ES
WILD WEASEL 22 FEDERAL COM #713H - Wellbore #1	15,700.00	10,336.26	475.24	379.14	4.945	SF
WILD WEASEL 22 FEDERAL COM #714H - Wellbore #1	15,795.91	10,227.15	488.41	416.26	6.769	CC
WILD WEASEL 22 FEDERAL COM #714H - Wellbore #1	15,800.00	10,226.65	488.44	416.25	6.766	ES
WILD WEASEL 22 FEDERAL COM #714H - Wellbore #1	15,900.00	10,215.00	504.77	428.91	6.654	SF
WILD WEASEL 22 FEDERAL COM #715H - Wellbore #1	15,800.00	10,247.11	637.15	546.73	7.047	SF
WILD WEASEL 22 FEDERAL COM #715H - Wellbore #1	16,000.00	10,216.00	578.54	500.31	7.395	ES
WILD WEASEL 22 FEDERAL COM #715H - Wellbore #1	16,004.81	10,216.00	578.51	500.48	7.414	CC

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 301H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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
8,800.00	8,796.94	16,004.23	10,450.00	31.41	63.95	89.488	110.28	1,080.69	1,990.83	1,911.44	79.39	25.077	
8,900.00	8,896.94	16,004.23	10,450.00	31.77	63.95	89.488	110.28	1,080.69	1,910.10	1,829.47	80.62	23.691	
9,000.00	8,996.94	16,004.23	10,450.00	32.13	63.95	89.488	110.28	1,080.69	1,831.27	1,749.33	81.94	22.349	
9,100.00	9,096.94	16,004.23	10,450.00	32.48	63.95	89.488	110.28	1,080.69	1,754.61	1,671.27	83.34	21.054	
9,200.00	9,196.94	16,004.23	10,450.00	32.84	63.95	89.488	110.28	1,080.69	1,680.40	1,595.58	84.82	19.811	
9,300.00	9,296.94	16,004.23	10,450.00	33.20	63.95	89.488	110.28	1,080.69	1,608.98	1,522.60	86.38	18.626	
9,400.00	9,396.94	16,004.23	10,450.00	33.56	63.95	89.488	110.28	1,080.69	1,540.75	1,452.74	88.02	17.505	
9,500.00	9,496.94	16,004.23	10,450.00	33.92	63.95	89.488	110.28	1,080.69	1,476.15	1,386.44	89.71	16.455	
9,600.00	9,596.94	16,004.23	10,450.00	34.27	63.95	89.488	110.28	1,080.69	1,415.66	1,324.22	91.44	15.482	
9,700.00	9,696.94	16,004.23	10,450.00	34.63	63.95	89.488	110.28	1,080.69	1,359.85	1,266.67	93.18	14.594	
9,800.00	9,796.94	16,004.33	10,450.00	34.99	63.95	89.488	110.19	1,080.69	1,309.30	1,214.42	94.88	13.800	
9,900.00	9,896.26	16,014.82	10,450.00	35.30	64.02	89.488	99.69	1,080.78	1,264.47	1,167.96	96.52	13.101	
10,000.00	9,992.24	16,042.39	10,450.00	35.60	64.22	89.488	72.13	1,081.03	1,226.47	1,128.40	98.07	12.506	
10,100.00	10,081.98	16,086.18	10,450.00	35.87	64.52	89.488	28.33	1,081.42	1,195.99	1,096.52	99.47	12.023	
10,200.00	10,162.74	16,144.87	10,450.00	36.11	64.94	89.488	-30.36	1,081.94	1,172.86	1,072.16	100.70	11.647	
10,300.00	10,232.06	16,216.68	10,450.00	36.36	65.45	89.488	-102.16	1,082.59	1,156.13	1,054.37	101.76	11.361	
10,400.00	10,287.85	16,299.42	10,450.00	36.61	66.04	89.488	-184.90	1,083.32	1,144.35	1,041.63	102.72	11.140	
10,500.00	10,328.41	16,390.59	10,450.00	36.86	66.69	89.488	-276.06	1,084.14	1,135.95	1,032.31	103.64	10.960	
10,600.00	10,352.51	16,487.40	10,450.00	37.12	67.38	89.488	-372.86	1,085.00	1,129.58	1,025.01	104.57	10.802	
10,700.00	10,359.50	16,586.92	10,450.00	37.38	68.10	89.488	-472.38	1,085.89	1,124.41	1,018.87	105.54	10.654	
10,800.00	10,359.50	16,686.88	10,450.00	37.68	68.82	89.488	-572.34	1,086.79	1,121.71	1,015.15	106.56	10.526	
10,827.43	10,359.50	16,714.31	10,450.00	37.77	69.02	89.488	-599.76	1,087.03	1,121.58	1,014.72	106.85	10.496	CC, ES
10,900.00	10,359.50	16,786.87	10,450.00	38.02	69.55	89.488	-672.32	1,087.68	1,122.50	1,014.86	107.63	10.429	
11,000.00	10,359.50	16,886.77	10,450.00	38.41	70.28	89.488	-772.22	1,088.57	1,126.77	1,018.01	108.75	10.361	
11,100.00	10,359.50	16,986.46	10,450.00	38.85	71.01	89.488	-871.91	1,089.46	1,134.52	1,024.60	109.92	10.321	
11,200.00	10,359.50	17,086.02	10,450.00	39.33	71.74	89.488	-971.47	1,090.35	1,143.89	1,032.76	111.13	10.293	
11,300.00	10,359.50	17,185.58	10,450.00	39.85	72.47	89.488	-1,071.02	1,091.24	1,153.26	1,040.88	112.39	10.261	
11,400.00	10,359.50	17,285.14	10,450.00	40.42	73.21	89.488	-1,170.58	1,092.13	1,162.64	1,048.95	113.69	10.226	
11,500.00	10,359.50	17,384.70	10,450.00	41.03	73.95	89.488	-1,270.13	1,093.02	1,172.01	1,056.97	115.04	10.188	
11,600.00	10,359.50	17,484.26	10,450.00	41.68	74.69	89.488	-1,369.68	1,093.91	1,181.39	1,064.96	116.43	10.147	
11,700.00	10,359.50	17,583.82	10,450.00	42.37	75.44	89.488	-1,469.24	1,094.80	1,190.76	1,072.90	117.86	10.103	
11,800.00	10,359.50	17,683.37	10,450.00	43.10	76.18	89.488	-1,568.79	1,095.69	1,200.14	1,080.81	119.32	10.058	
11,900.00	10,359.50	17,782.93	10,450.00	43.85	76.93	89.488	-1,668.35	1,096.58	1,209.51	1,088.68	120.83	10.010	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 301H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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
12,000.00	10,359.50	17,882.49	10,450.00	44.65	77.69	89.488	-1,767.90	1,097.47	1,218.89	1,096.52	122.37	9.961	
12,100.00	10,359.50	17,982.05	10,450.00	45.47	78.44	89.488	-1,867.46	1,098.36	1,228.26	1,104.33	123.94	9.910	
12,200.00	10,359.50	18,081.61	10,450.00	46.32	79.19	89.488	-1,967.01	1,099.25	1,237.64	1,112.10	125.54	9.859	
12,300.00	10,360.11	18,181.16	10,450.00	47.20	79.95	89.488	-2,066.56	1,100.14	1,246.98	1,119.82	127.17	9.806	
12,400.00	10,360.98	18,280.72	10,450.00	48.11	80.71	89.488	-2,166.11	1,101.02	1,256.32	1,127.49	128.83	9.752	
12,500.00	10,361.85	18,380.27	10,450.00	49.04	81.47	89.488	-2,265.66	1,101.91	1,265.65	1,135.14	130.51	9.697	
12,600.00	10,362.72	18,479.83	10,450.00	49.99	82.24	89.488	-2,365.21	1,102.80	1,274.99	1,142.76	132.22	9.643	
12,700.00	10,363.59	18,579.38	10,450.00	50.97	83.00	89.488	-2,464.77	1,103.69	1,284.33	1,150.37	133.96	9.587	
12,800.00	10,364.46	18,678.94	10,450.00	51.97	83.77	89.488	-2,564.32	1,104.58	1,293.67	1,157.95	135.72	9.532	
12,900.00	10,365.33	18,778.49	10,450.00	52.99	84.54	89.488	-2,663.87	1,105.47	1,303.01	1,165.51	137.49	9.477	
13,000.00	10,366.20	18,878.05	10,450.00	54.02	85.31	89.488	-2,763.42	1,106.36	1,312.35	1,173.05	139.29	9.421	
13,100.00	10,367.07	18,977.60	10,450.00	55.08	86.08	89.488	-2,862.97	1,107.25	1,321.69	1,180.58	141.11	9.366	
13,200.00	10,367.94	19,077.15	10,450.00	56.15	86.85	89.488	-2,962.52	1,108.14	1,331.03	1,188.09	142.95	9.312	
13,300.00	10,368.81	19,176.71	10,450.00	57.23	87.63	89.488	-3,062.07	1,109.03	1,340.38	1,195.58	144.80	9.257	
13,400.00	10,369.68	19,276.26	10,450.00	58.33	88.40	89.488	-3,161.62	1,109.92	1,349.73	1,203.06	146.66	9.203	
13,500.00	10,370.55	19,375.82	10,450.00	59.44	89.18	89.488	-3,261.17	1,110.81	1,359.07	1,210.53	148.55	9.149	
13,600.00	10,371.42	19,475.37	10,450.00	60.57	89.96	89.488	-3,360.72	1,111.70	1,368.42	1,217.98	150.45	9.096	
13,700.00	10,372.29	19,574.93	10,450.00	61.71	90.74	89.488	-3,460.27	1,112.59	1,377.77	1,225.41	152.36	9.043	
13,800.00	10,373.17	19,674.48	10,450.00	62.86	91.52	89.488	-3,559.82	1,113.48	1,387.12	1,232.84	154.28	8.991	
13,900.00	10,374.04	19,774.04	10,450.00	64.02	92.31	89.488	-3,659.37	1,114.36	1,396.47	1,240.26	156.22	8.939	
14,000.00	10,374.91	19,873.59	10,450.00	65.19	93.09	89.488	-3,758.92	1,115.25	1,405.83	1,247.66	158.17	8.888	
14,100.00	10,375.78	19,973.15	10,450.00	66.37	93.88	89.488	-3,858.47	1,116.14	1,415.18	1,255.06	160.13	8.838	
14,200.00	10,376.65	20,072.70	10,450.00	67.57	94.66	89.488	-3,958.02	1,117.03	1,424.54	1,262.44	162.09	8.788	
14,300.00	10,377.52	20,172.26	10,450.00	68.77	95.45	89.488	-4,057.58	1,117.92	1,433.89	1,269.82	164.07	8.739	
14,400.00	10,378.39	20,271.81	10,450.00	69.97	96.24	89.488	-4,157.13	1,118.81	1,443.25	1,277.18	166.06	8.691	
14,500.00	10,379.26	20,371.36	10,450.00	71.19	97.03	89.488	-4,256.68	1,119.70	1,452.61	1,284.54	168.06	8.643	
14,600.00	10,380.13	20,470.92	10,450.00	72.42	97.82	89.488	-4,356.23	1,120.59	1,461.96	1,291.89	170.07	8.596	
14,700.00	10,381.01	20,570.27	10,450.00	73.64	98.61	89.488	-4,455.57	1,121.48	1,473.07	1,300.99	172.08	8.560 SF	
14,800.00	10,381.92	20,667.24	10,450.00	74.85	99.38	89.488	-4,552.54	1,122.34	1,497.04	1,323.00	174.04	8.602	
14,900.00	10,382.86	20,759.48	10,450.00	76.01	100.12	89.488	-4,644.77	1,123.17	1,535.37	1,359.48	175.89	8.729	
15,000.00	10,383.80	20,844.87	10,450.00	77.10	100.80	89.488	-4,730.16	1,123.93	1,587.18	1,409.58	177.60	8.937	
15,100.00	10,384.73	20,921.45	10,450.00	78.09	101.41	89.488	-4,806.75	1,124.62	1,651.29	1,472.16	179.13	9.219	
15,200.00	10,385.62	20,987.48	10,450.00	78.98	101.94	89.488	-4,872.77	1,125.21	1,726.22	1,545.78	180.44	9.567	
15,300.00	10,386.48	21,041.44	10,450.00	79.75	102.38	89.488	-4,926.73	1,125.69	1,810.26	1,628.76	181.50	9.974	
15,400.00	10,387.31	21,082.10	10,450.00	80.38	102.70	89.488	-4,967.38	1,126.05	1,901.49	1,719.18	182.30	10.430	
15,500.00	10,388.08	21,108.51	10,450.00	80.87	102.91	89.488	-4,993.79	1,126.29	1,997.80	1,814.99	182.82	10.928	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 401H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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
9,100.00	9,096.94	16,285.06	10,750.00	32.48	64.58	89.489	110.26	1,080.88	1,990.93	1,910.48	80.45	24.748	
9,200.00	9,196.94	16,285.06	10,750.00	32.84	64.58	89.489	110.26	1,080.88	1,910.21	1,828.50	81.71	23.379	
9,300.00	9,296.94	16,285.06	10,750.00	33.20	64.58	89.489	110.26	1,080.88	1,831.39	1,748.34	83.05	22.052	
9,400.00	9,396.94	16,285.06	10,750.00	33.56	64.58	89.489	110.26	1,080.88	1,754.73	1,670.26	84.47	20.773	
9,500.00	9,496.94	16,285.06	10,750.00	33.92	64.58	89.489	110.26	1,080.88	1,680.53	1,594.54	85.98	19.545	
9,600.00	9,596.94	16,285.06	10,750.00	34.27	64.58	89.489	110.26	1,080.88	1,609.12	1,521.54	87.57	18.375	
9,700.00	9,696.94	16,285.06	10,750.00	34.63	64.58	89.489	110.26	1,080.88	1,540.89	1,451.65	89.24	17.267	
9,800.00	9,796.94	16,285.15	10,750.00	34.99	64.58	89.489	110.17	1,080.88	1,476.29	1,385.32	90.97	16.228	
9,900.00	9,896.26	16,295.65	10,750.00	35.30	64.65	89.489	99.67	1,080.97	1,415.79	1,323.03	92.76	15.262	
10,000.00	9,992.24	16,323.21	10,750.00	35.60	64.84	89.489	72.11	1,081.22	1,360.96	1,266.35	94.61	14.385	
10,100.00	10,081.98	16,367.01	10,750.00	35.87	65.15	89.489	28.32	1,081.61	1,313.22	1,216.78	96.44	13.617	
10,200.00	10,162.74	16,425.70	10,750.00	36.11	65.56	89.489	-30.37	1,082.13	1,273.30	1,175.13	98.17	12.970	
10,300.00	10,232.06	16,497.51	10,750.00	36.36	66.06	89.489	-102.18	1,082.77	1,241.26	1,141.48	99.78	12.440	
10,400.00	10,287.85	16,580.25	10,750.00	36.61	66.64	89.489	-184.92	1,083.51	1,216.61	1,115.38	101.23	12.018	
10,500.00	10,328.41	16,671.41	10,750.00	36.86	67.29	89.489	-276.08	1,084.32	1,198.60	1,096.06	102.54	11.689	
10,600.00	10,352.51	16,768.22	10,750.00	37.12	67.98	89.489	-372.88	1,085.18	1,186.49	1,082.78	103.71	11.441	
10,700.00	10,359.50	16,867.74	10,750.00	37.38	68.69	89.489	-472.40	1,086.07	1,179.79	1,075.06	104.73	11.265	
10,800.00	10,359.50	16,967.70	10,750.00	37.68	69.40	89.489	-572.35	1,086.96	1,177.21	1,071.48	105.73	11.134	
10,827.50	10,359.50	16,995.20	10,750.00	37.77	69.60	89.489	-599.85	1,087.21	1,177.09	1,071.07	106.02	11.103	CC, ES
10,900.00	10,359.50	17,067.69	10,750.00	38.02	70.12	89.489	-672.34	1,087.85	1,177.96	1,071.17	106.79	11.031	
11,000.00	10,359.50	17,167.60	10,750.00	38.41	70.85	89.489	-772.24	1,088.74	1,182.03	1,074.13	107.90	10.955	
11,100.00	10,359.50	17,267.29	10,750.00	38.85	71.57	89.489	-871.93	1,089.63	1,189.42	1,080.34	109.07	10.905	
11,200.00	10,359.50	17,366.85	10,750.00	39.33	72.30	89.489	-971.49	1,090.52	1,198.36	1,088.07	110.29	10.865	
11,300.00	10,359.50	17,466.41	10,750.00	39.85	73.03	89.489	-1,071.04	1,091.41	1,207.31	1,095.75	111.56	10.822	
11,400.00	10,359.50	17,565.97	10,750.00	40.42	73.76	89.489	-1,170.59	1,092.30	1,216.27	1,103.40	112.87	10.776	
11,500.00	10,359.50	17,665.52	10,750.00	41.03	74.49	89.489	-1,270.15	1,093.18	1,225.23	1,111.01	114.22	10.727	
11,600.00	10,359.50	17,765.08	10,750.00	41.68	75.23	89.489	-1,369.70	1,094.07	1,234.20	1,118.59	115.61	10.676	
11,700.00	10,359.50	17,864.64	10,750.00	42.37	75.97	89.489	-1,469.26	1,094.96	1,243.18	1,126.14	117.04	10.622	
11,800.00	10,359.50	17,964.20	10,750.00	43.10	76.71	89.489	-1,568.81	1,095.85	1,252.16	1,133.65	118.51	10.566	
11,900.00	10,359.50	18,063.76	10,750.00	43.85	77.45	89.489	-1,668.37	1,096.73	1,261.15	1,141.14	120.01	10.509	
12,000.00	10,359.50	18,163.32	10,750.00	44.65	78.20	89.489	-1,767.92	1,097.62	1,270.14	1,148.60	121.55	10.450	
12,100.00	10,359.50	18,262.88	10,750.00	45.47	78.95	89.489	-1,867.48	1,098.51	1,279.14	1,156.03	123.11	10.390	
12,200.00	10,359.50	18,362.43	10,750.00	46.32	79.70	89.489	-1,967.03	1,099.40	1,288.15	1,163.43	124.71	10.329	
12,300.00	10,360.11	18,461.99	10,750.00	47.20	80.45	89.489	-2,066.58	1,100.28	1,296.99	1,170.64	126.34	10.265	
12,400.00	10,360.98	18,561.55	10,750.00	48.11	81.21	89.489	-2,166.13	1,101.17	1,305.76	1,177.75	128.01	10.201	
12,500.00	10,361.85	18,661.10	10,750.00	49.04	81.96	89.489	-2,265.69	1,102.06	1,314.55	1,184.85	129.70	10.135	
12,600.00	10,362.72	18,760.66	10,750.00	49.99	82.72	89.489	-2,365.24	1,102.95	1,323.34	1,191.93	131.41	10.070	
12,700.00	10,363.59	18,860.21	10,750.00	50.97	83.48	89.489	-2,464.79	1,103.83	1,332.14	1,198.99	133.15	10.005	
12,800.00	10,364.46	18,959.76	10,750.00	51.97	84.25	89.489	-2,564.34	1,104.72	1,340.95	1,206.04	134.91	9.939	
12,900.00	10,365.33	19,059.32	10,750.00	52.99	85.01	89.489	-2,663.89	1,105.61	1,349.77	1,213.08	136.69	9.874	
13,000.00	10,366.20	19,158.87	10,750.00	54.02	85.77	89.489	-2,763.44	1,106.50	1,358.60	1,220.10	138.50	9.810	
13,100.00	10,367.07	19,258.43	10,750.00	55.08	86.54	89.489	-2,862.99	1,107.39	1,367.44	1,227.12	140.31	9.745	
13,200.00	10,367.94	19,357.98	10,750.00	56.15	87.31	89.489	-2,962.54	1,108.27	1,376.28	1,234.13	142.15	9.682	
13,300.00	10,368.81	19,457.54	10,750.00	57.23	88.08	89.489	-3,062.09	1,109.16	1,385.13	1,241.12	144.01	9.619	
13,400.00	10,369.68	19,557.09	10,750.00	58.33	88.85	89.489	-3,161.64	1,110.05	1,393.99	1,248.11	145.88	9.556	
13,500.00	10,370.55	19,656.65	10,750.00	59.44	89.63	89.489	-3,261.19	1,110.94	1,402.85	1,255.09	147.76	9.494	
13,600.00	10,371.42	19,756.20	10,750.00	60.57	90.40	89.489	-3,360.74	1,111.82	1,411.73	1,262.07	149.66	9.433	
13,700.00	10,372.29	19,855.76	10,750.00	61.71	91.18	89.489	-3,460.30	1,112.71	1,420.61	1,269.03	151.57	9.372	
13,800.00	10,373.17	19,955.31	10,750.00	62.86	91.96	89.489	-3,559.85	1,113.60	1,429.49	1,275.99	153.50	9.313	
13,900.00	10,374.04	20,054.87	10,750.00	64.02	92.74	89.489	-3,659.40	1,114.49	1,438.39	1,282.95	155.44	9.254	
14,000.00	10,374.91	20,154.42	10,750.00	65.19	93.52	89.489	-3,758.95	1,115.37	1,447.29	1,289.90	157.39	9.196	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 401H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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
14,100.00	10,375.78	20,253.98	10,750.00	66.37	94.30	89.489	-3,858.50	1,116.26	1,456.19	1,296.85	159.35	9.138	
14,200.00	10,376.65	20,353.53	10,750.00	67.57	95.08	89.489	-3,958.05	1,117.15	1,465.11	1,303.79	161.32	9.082	
14,300.00	10,377.52	20,453.09	10,750.00	68.77	95.87	89.489	-4,057.60	1,118.04	1,474.03	1,310.73	163.30	9.026	
14,400.00	10,378.39	20,552.64	10,750.00	69.97	96.65	89.489	-4,157.15	1,118.92	1,482.95	1,317.66	165.29	8.972	
14,500.00	10,379.26	20,652.20	10,750.00	71.19	97.44	89.489	-4,256.70	1,119.81	1,491.89	1,324.59	167.29	8.918	
14,600.00	10,380.13	20,751.75	10,750.00	72.42	98.23	89.489	-4,356.25	1,120.70	1,500.83	1,331.52	169.30	8.865	
14,700.00	10,381.01	20,851.10	10,750.00	73.64	99.02	89.489	-4,455.60	1,121.58	1,511.47	1,340.15	171.32	8.823	SF
14,800.00	10,381.92	20,948.07	10,750.00	74.85	99.78	89.489	-4,552.57	1,122.45	1,534.66	1,361.36	173.31	8.855	
14,900.00	10,382.86	21,040.31	10,750.00	76.01	100.52	89.489	-4,644.80	1,123.27	1,571.90	1,396.68	175.22	8.971	
15,000.00	10,383.80	21,125.70	10,750.00	77.10	101.20	89.489	-4,730.19	1,124.03	1,622.37	1,445.36	177.01	9.165	
15,100.00	10,384.73	21,202.29	10,750.00	78.09	101.81	89.489	-4,806.77	1,124.72	1,684.98	1,506.35	178.63	9.433	
15,200.00	10,385.62	21,268.32	10,750.00	78.98	102.33	89.489	-4,872.80	1,125.30	1,758.33	1,578.29	180.04	9.766	
15,300.00	10,386.48	21,322.28	10,750.00	79.75	102.76	89.489	-4,926.76	1,125.78	1,840.76	1,659.56	181.21	10.158	
15,400.00	10,387.31	21,362.94	10,750.00	80.38	103.09	89.489	-4,967.41	1,126.15	1,930.42	1,748.32	182.10	10.601	

Matador RESOURCES COMPANY

MS Directional

Anticollision Report

MS Directional

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 501H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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
9,400.00	9,396.94	16,582.93	11,050.00	33.56	65.18	89.495	110.16	1,081.88	1,991.52	1,909.90	81.62	24.401	
9,500.00	9,496.94	16,582.93	11,050.00	33.92	65.18	89.495	110.16	1,081.88	1,910.82	1,827.93	82.89	23.052	
9,600.00	9,596.94	16,582.93	11,050.00	34.27	65.18	89.495	110.16	1,081.88	1,832.02	1,747.78	84.25	21.746	
9,700.00	9,696.94	16,582.93	11,050.00	34.63	65.18	89.495	110.16	1,081.88	1,755.39	1,669.70	85.69	20.485	
9,800.00	9,796.94	16,583.02	11,050.00	34.99	65.18	89.495	110.06	1,081.88	1,681.21	1,593.99	87.22	19.276	
9,900.00	9,896.26	16,593.52	11,050.00	35.30	65.25	89.495	99.57	1,081.97	1,609.95	1,521.09	88.86	18.118	
10,000.00	9,992.24	16,621.08	11,050.00	35.60	65.44	89.495	72.01	1,082.22	1,543.40	1,452.77	90.62	17.031	
10,100.00	10,081.98	16,664.87	11,050.00	35.87	65.75	89.495	28.21	1,082.60	1,483.42	1,390.99	92.43	16.049	
10,200.00	10,162.74	16,723.57	11,050.00	36.11	66.15	89.495	-30.48	1,083.12	1,431.37	1,337.14	94.23	15.190	
10,300.00	10,232.06	16,795.37	11,050.00	36.36	66.65	89.495	-102.28	1,083.75	1,388.03	1,292.08	95.96	14.465	
10,400.00	10,287.85	16,878.12	11,050.00	36.61	67.23	89.495	-185.02	1,084.48	1,353.72	1,256.16	97.56	13.876	
10,500.00	10,328.41	16,969.28	11,050.00	36.86	67.87	89.495	-276.18	1,085.29	1,328.42	1,229.43	98.99	13.420	
10,600.00	10,352.51	17,066.09	11,050.00	37.12	68.55	89.495	-372.98	1,086.14	1,311.99	1,211.76	100.23	13.090	
10,700.00	10,359.50	17,165.61	11,050.00	37.38	69.25	89.495	-472.50	1,087.02	1,304.31	1,203.07	101.24	12.884	
10,800.00	10,359.50	17,265.57	11,050.00	37.68	69.96	89.495	-572.45	1,087.90	1,301.97	1,199.78	102.20	12.740	
10,827.76	10,359.50	17,293.32	11,050.00	37.77	70.16	89.495	-600.21	1,088.15	1,301.86	1,199.38	102.48	12.704	CC, ES
10,900.00	10,359.50	17,365.56	11,050.00	38.02	70.68	89.495	-672.44	1,088.78	1,302.64	1,199.41	103.23	12.619	
11,000.00	10,359.50	17,465.46	11,050.00	38.41	71.39	89.495	-772.34	1,089.66	1,306.32	1,201.98	104.34	12.520	
11,100.00	10,359.50	17,565.16	11,050.00	38.85	72.11	89.495	-872.03	1,090.54	1,313.00	1,207.48	105.52	12.443	
11,200.00	10,359.50	17,664.71	11,050.00	39.33	72.83	89.495	-971.59	1,091.42	1,321.11	1,214.35	106.76	12.375	
11,300.00	10,359.50	17,764.27	11,050.00	39.85	73.55	89.495	-1,071.14	1,092.30	1,329.23	1,221.19	108.04	12.303	
11,400.00	10,359.50	17,863.83	11,050.00	40.42	74.28	89.495	-1,170.70	1,093.18	1,337.37	1,228.01	109.36	12.229	
11,500.00	10,359.50	17,963.39	11,050.00	41.03	75.01	89.495	-1,270.25	1,094.05	1,345.52	1,234.81	110.72	12.153	
11,600.00	10,359.50	18,062.95	11,050.00	41.68	75.74	89.495	-1,369.81	1,094.93	1,353.70	1,241.58	112.12	12.074	
11,700.00	10,359.50	18,162.51	11,050.00	42.37	76.47	89.495	-1,469.37	1,095.81	1,361.88	1,248.33	113.55	11.993	
11,800.00	10,359.50	18,262.07	11,050.00	43.10	77.21	89.495	-1,568.92	1,096.69	1,370.08	1,255.06	115.02	11.911	
11,900.00	10,359.50	18,361.63	11,050.00	43.85	77.95	89.495	-1,668.48	1,097.57	1,378.30	1,261.77	116.53	11.828	
12,000.00	10,359.50	18,461.19	11,050.00	44.65	78.69	89.495	-1,768.03	1,098.44	1,386.53	1,268.47	118.06	11.744	
12,100.00	10,359.50	18,560.75	11,050.00	45.47	79.43	89.495	-1,867.59	1,099.32	1,394.78	1,275.15	119.63	11.659	
12,200.00	10,359.50	18,660.31	11,050.00	46.32	80.18	89.495	-1,967.14	1,100.20	1,403.04	1,281.81	121.23	11.574	
12,300.00	10,360.11	18,759.87	11,050.00	47.20	80.93	89.495	-2,066.70	1,101.08	1,411.02	1,288.17	122.86	11.485	
12,400.00	10,360.98	18,859.42	11,050.00	48.11	81.67	89.495	-2,166.25	1,101.96	1,418.91	1,294.38	124.52	11.395	
12,500.00	10,361.85	18,958.98	11,050.00	49.04	82.43	89.495	-2,265.80	1,102.83	1,426.81	1,300.60	126.21	11.305	
12,600.00	10,362.72	19,058.53	11,050.00	49.99	83.18	89.495	-2,365.35	1,103.71	1,434.73	1,306.80	127.93	11.215	
12,700.00	10,363.59	19,158.09	11,050.00	50.97	83.94	89.495	-2,464.90	1,104.59	1,442.67	1,313.01	129.66	11.126	
12,800.00	10,364.46	19,257.64	11,050.00	51.97	84.69	89.495	-2,564.46	1,105.47	1,450.62	1,319.20	131.42	11.038	
12,900.00	10,365.33	19,357.20	11,050.00	52.99	85.45	89.495	-2,664.01	1,106.35	1,458.60	1,325.40	133.20	10.951	
13,000.00	10,366.20	19,456.76	11,050.00	54.02	86.21	89.495	-2,763.56	1,107.22	1,466.59	1,331.59	134.99	10.864	
13,100.00	10,367.07	19,556.31	11,050.00	55.08	86.98	89.495	-2,863.11	1,108.10	1,474.60	1,337.78	136.81	10.778	
13,200.00	10,367.94	19,655.87	11,050.00	56.15	87.74	89.495	-2,962.66	1,108.98	1,482.62	1,343.98	138.64	10.694	
13,300.00	10,368.81	19,755.42	11,050.00	57.23	88.51	89.495	-3,062.22	1,109.86	1,490.66	1,350.17	140.49	10.610	
13,400.00	10,369.68	19,854.98	11,050.00	58.33	89.28	89.495	-3,161.77	1,110.74	1,498.72	1,356.36	142.36	10.528	
13,500.00	10,370.55	19,954.53	11,050.00	59.44	90.05	89.495	-3,261.32	1,111.61	1,506.79	1,362.55	144.24	10.447	
13,600.00	10,371.42	20,054.09	11,050.00	60.57	90.82	89.495	-3,360.87	1,112.49	1,514.87	1,368.74	146.13	10.366	
13,700.00	10,372.29	20,153.65	11,050.00	61.71	91.59	89.495	-3,460.42	1,113.37	1,522.98	1,374.94	148.04	10.288	
13,800.00	10,373.17	20,253.20	11,050.00	62.86	92.36	89.495	-3,559.97	1,114.25	1,531.10	1,381.13	149.96	10.210	
13,900.00	10,374.04	20,352.76	11,050.00	64.02	93.14	89.495	-3,659.53	1,115.13	1,539.23	1,387.33	151.89	10.134	
14,000.00	10,374.91	20,452.31	11,050.00	65.19	93.92	89.495	-3,759.08	1,116.00	1,547.38	1,393.54	153.84	10.058	
14,100.00	10,375.78	20,551.87	11,050.00	66.37	94.69	89.495	-3,858.63	1,116.88	1,555.54	1,399.74	155.79	9.985	
14,200.00	10,376.65	20,651.42	11,050.00	67.57	95.47	89.495	-3,958.18	1,117.76	1,563.71	1,405.95	157.76	9.912	
14,300.00	10,377.52	20,750.98	11,050.00	68.77	96.25	89.495	-4,057.73	1,118.64	1,571.90	1,412.16	159.74	9.840	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Million Dollar Man - Million Dollar Man Fed Com 501H - Wellbore #1 - Design #1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+FDIR

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	10,378.39	20,850.54	11,050.00	69.97	97.04	89.495	-4,157.29	1,119.52	1,580.10	1,418.38	161.73	9.770	
14,500.00	10,379.26	20,950.09	11,050.00	71.19	97.82	89.495	-4,256.84	1,120.39	1,588.32	1,424.60	163.72	9.701	
14,600.00	10,380.13	21,049.65	11,050.00	72.42	98.60	89.495	-4,356.39	1,121.27	1,596.55	1,430.82	165.73	9.634	
14,700.00	10,381.01	21,149.00	11,050.00	73.64	99.39	89.495	-4,455.73	1,122.15	1,606.39	1,438.64	167.75	9.576 SF	
14,800.00	10,381.92	21,245.97	11,050.00	74.85	100.15	89.495	-4,552.70	1,123.00	1,628.07	1,458.26	169.80	9.588	
14,900.00	10,382.86	21,338.21	11,050.00	76.01	100.88	89.495	-4,644.94	1,123.82	1,663.05	1,491.19	171.85	9.677	
15,000.00	10,383.80	21,423.61	11,050.00	77.10	101.56	89.495	-4,730.34	1,124.57	1,710.68	1,536.84	173.84	9.841	
15,100.00	10,384.73	21,500.20	11,050.00	78.09	102.17	89.495	-4,806.93	1,125.25	1,770.02	1,594.33	175.69	10.075	
15,200.00	10,385.62	21,566.24	11,050.00	78.98	102.69	89.495	-4,872.96	1,125.83	1,839.85	1,662.50	177.35	10.374	
15,300.00	10,386.48	21,620.21	11,050.00	79.75	103.12	89.495	-4,926.93	1,126.30	1,918.67	1,739.89	178.78	10.732	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon (119H, 129H) - Roger Donlon 129H - Wellbore #1 - Design #1

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)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.393	-0.21	-30.00	30.00				
100.00	100.00	100.00	100.00	0.26	0.26	-90.393	-0.21	-30.00	30.00	29.49	0.51	58.523	
200.00	200.00	200.00	200.00	0.61	0.61	-90.393	-0.21	-30.00	30.00	28.77	1.23	24.399	
300.00	300.00	300.00	300.00	0.97	0.97	-90.393	-0.21	-30.00	30.00	28.05	1.95	15.412	
400.00	400.00	400.00	400.00	1.33	1.33	-90.393	-0.21	-30.00	30.00	27.34	2.66	11.264	
500.00	500.00	500.00	500.00	1.69	1.69	-90.393	-0.21	-30.00	30.00	26.62	3.38	8.875	
600.00	600.00	600.00	600.00	2.05	2.05	-90.393	-0.21	-30.00	30.00	25.90	4.10	7.322	
700.00	700.00	700.00	700.00	2.41	2.41	-90.393	-0.21	-30.00	30.00	25.19	4.81	6.231	
800.00	800.00	800.00	800.00	2.77	2.77	-90.393	-0.21	-30.00	30.00	24.47	5.53	5.424	
900.00	900.00	900.00	900.00	3.12	3.12	-90.393	-0.21	-30.00	30.00	23.75	6.25	4.801	
1,000.00	1,000.00	1,000.00	1,000.00	3.48	3.48	-90.393	-0.21	-30.00	30.00	23.03	6.97	4.307	
1,100.00	1,099.99	1,099.99	1,099.99	3.84	3.84	-91.788	-0.21	-30.00	29.51	21.83	7.68	3.843	
1,200.00	1,199.96	1,199.96	1,199.96	4.20	4.20	-96.248	-0.21	-30.00	28.16	19.77	8.39	3.355	
1,300.02	1,299.89	1,299.89	1,299.89	4.55	4.56	-104.597	-0.21	-30.00	26.35	17.24	9.11	2.893	
1,400.00	1,399.73	1,399.73	1,399.73	4.91	4.92	-115.908	-0.21	-30.00	25.01	15.18	9.82	2.546	
1,475.44	1,475.06	1,475.06	1,475.06	5.18	5.19	-124.992	-0.21	-30.00	24.69	14.33	10.36	2.383	CC
1,500.00	1,499.59	1,499.59	1,499.59	5.27	5.27	-127.972	-0.21	-30.00	24.73	14.19	10.54	2.346	ES
1,600.00	1,599.45	1,599.45	1,599.45	5.63	5.63	-139.782	-0.21	-30.00	25.54	14.28	11.26	2.268	
1,700.00	1,699.31	1,699.31	1,699.31	5.99	5.99	-150.445	-0.21	-30.00	27.35	15.37	11.98	2.283	
1,800.00	1,799.18	1,799.18	1,799.18	6.35	6.35	-159.517	-0.21	-30.00	29.97	17.28	12.69	2.361	
1,900.00	1,899.04	1,899.04	1,899.04	6.71	6.71	-166.975	-0.21	-30.00	33.22	19.81	13.41	2.477	
2,000.00	1,998.90	1,998.90	1,998.90	7.07	7.06	-173.023	-0.21	-30.00	36.93	22.80	14.13	2.614	
2,100.00	2,098.77	2,098.77	2,098.77	7.43	7.42	-177.924	-0.21	-30.00	40.97	26.12	14.85	2.760	
2,200.00	2,198.63	2,198.63	2,198.63	7.79	7.78	178.078	-0.21	-30.00	45.26	29.69	15.56	2.908	
2,300.00	2,298.49	2,298.49	2,298.49	8.15	8.14	174.785	-0.21	-30.00	49.72	33.45	16.28	3.055	
2,400.00	2,398.36	2,398.36	2,398.36	8.52	8.50	172.043	-0.21	-30.00	54.33	37.33	16.99	3.197	
2,500.00	2,498.22	2,498.22	2,498.22	8.88	8.85	169.734	-0.21	-30.00	59.04	41.33	17.71	3.333	
2,600.00	2,598.08	2,598.08	2,598.08	9.24	9.21	167.768	-0.21	-30.00	63.83	45.40	18.43	3.464	
2,700.00	2,697.94	2,697.94	2,697.94	9.60	9.57	166.079	-0.21	-30.00	68.69	49.54	19.14	3.588	
2,800.00	2,797.81	2,797.81	2,797.81	9.97	9.93	164.614	-0.21	-30.00	73.59	53.73	19.86	3.705	
2,900.00	2,897.67	2,897.67	2,897.67	10.33	10.29	163.332	-0.21	-30.00	78.54	57.97	20.58	3.817	
3,000.00	2,997.53	2,997.53	2,997.53	10.69	10.64	162.204	-0.21	-30.00	83.53	62.23	21.30	3.922	
3,100.00	3,097.40	3,097.40	3,097.40	11.06	11.00	161.202	-0.21	-30.00	88.54	66.53	22.01	4.022	
3,200.00	3,197.26	3,197.26	3,197.26	11.42	11.36	160.308	-0.21	-30.00	93.58	70.85	22.73	4.117	
3,300.00	3,297.12	3,297.12	3,297.12	11.78	11.72	159.506	-0.21	-30.00	98.64	75.19	23.45	4.207	
3,400.00	3,397.00	3,397.00	3,397.00	12.14	12.08	158.835	-0.21	-30.00	103.32	79.16	24.16	4.276	
3,500.00	3,496.95	3,496.95	3,496.95	12.50	12.43	158.426	-0.21	-30.00	106.41	81.53	24.88	4.277	
3,600.00	3,596.94	3,596.94	3,596.94	12.86	12.79	158.250	-0.21	-30.00	107.81	82.21	25.60	4.212	
3,700.00	3,696.94	3,696.94	3,696.94	13.22	13.15	158.239	-0.21	-30.00	107.89	81.58	26.31	4.101	
3,800.00	3,796.94	3,796.94	3,796.94	13.57	13.51	158.239	-0.21	-30.00	107.89	80.87	27.02	3.992	
3,900.00	3,896.94	3,896.94	3,896.94	13.93	13.87	158.239	-0.21	-30.00	107.89	80.16	27.74	3.890	
4,000.00	3,996.94	3,996.94	3,996.94	14.28	14.23	158.239	-0.21	-30.00	107.89	79.44	28.45	3.792	
4,100.00	4,096.94	4,096.94	4,096.94	14.64	14.58	158.239	-0.21	-30.00	107.89	78.73	29.17	3.699	
4,200.00	4,196.94	4,196.94	4,196.94	14.99	14.94	158.239	-0.21	-30.00	107.89	78.01	29.88	3.611	
4,300.00	4,296.94	4,296.94	4,296.94	15.35	15.30	158.239	-0.21	-30.00	107.89	77.30	30.60	3.526	
4,400.00	4,396.94	4,396.94	4,396.94	15.70	15.66	158.239	-0.21	-30.00	107.89	76.58	31.31	3.446	
4,500.00	4,496.94	4,496.94	4,496.94	16.06	16.02	158.239	-0.21	-30.00	107.89	75.87	32.03	3.369	
4,600.00	4,596.94	4,596.94	4,596.94	16.41	16.38	158.239	-0.21	-30.00	107.89	75.15	32.74	3.295	
4,700.00	4,696.94	4,696.94	4,696.94	16.77	16.74	158.239	-0.21	-30.00	107.89	74.44	33.46	3.225	
4,800.00	4,796.94	4,796.94	4,796.94	17.12	17.09	158.239	-0.21	-30.00	107.89	73.72	34.17	3.157	
4,900.00	4,896.94	4,896.94	4,896.94	17.48	17.45	158.239	-0.21	-30.00	107.89	73.01	34.89	3.092	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon (119H, 129H) - Roger Donlon 129H - Wellbore #1 - Design #1

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)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,996.94	4,996.94	4,996.94	17.84	17.81	158.239	-0.21	-30.00	107.89	72.29	35.60	3.030	
5,100.00	5,096.94	5,096.94	5,096.94	18.19	18.17	158.239	-0.21	-30.00	107.89	71.57	36.32	2.971	
5,200.00	5,196.94	5,196.94	5,196.94	18.55	18.53	158.239	-0.21	-30.00	107.89	70.86	37.04	2.913	
5,300.00	5,296.94	5,296.94	5,296.94	18.91	18.89	158.239	-0.21	-30.00	107.89	70.14	37.75	2.858	
5,400.00	5,396.94	5,396.94	5,396.94	19.26	19.24	158.239	-0.21	-30.00	107.89	69.43	38.47	2.805	
5,500.00	5,496.94	5,496.94	5,496.94	19.62	19.60	158.239	-0.21	-30.00	107.89	68.71	39.18	2.754	
5,600.00	5,596.94	5,596.94	5,596.94	19.98	19.96	158.239	-0.21	-30.00	107.89	68.00	39.90	2.704	
5,700.00	5,696.94	5,696.94	5,696.94	20.33	20.32	158.239	-0.21	-30.00	107.89	67.28	40.61	2.657	
5,800.00	5,796.94	5,796.94	5,796.94	20.69	20.68	158.239	-0.21	-30.00	107.89	66.56	41.33	2.611	
5,900.00	5,896.94	5,897.68	5,897.67	21.05	21.03	158.428	-0.12	-30.42	107.66	65.61	42.05	2.560	
6,000.00	5,996.94	5,998.69	5,998.67	21.40	21.38	159.380	0.33	-32.50	106.50	63.75	42.75	2.491	
6,100.00	6,096.94	6,099.60	6,099.50	21.76	21.73	161.180	1.16	-36.31	104.46	61.00	43.46	2.404	
6,200.00	6,196.94	6,200.34	6,200.08	22.12	22.08	163.919	2.36	-41.85	101.67	57.51	44.16	2.302	
6,300.00	6,296.94	6,300.85	6,300.31	22.47	22.43	167.727	3.92	-49.10	98.38	53.51	44.87	2.193	
6,400.00	6,396.94	6,401.07	6,400.11	22.83	22.78	172.758	5.85	-58.04	94.96	49.38	45.58	2.083	
6,500.00	6,496.94	6,500.94	6,499.39	23.19	23.13	179.151	8.14	-68.64	91.90	45.60	46.30	1.985	
6,600.00	6,596.94	6,600.40	6,598.06	23.55	23.48	-173.049	10.79	-80.88	89.88	42.86	47.02	1.912	
6,660.03	6,656.97	6,659.88	6,656.97	23.76	23.69	-167.805	12.53	-88.90	89.49	42.05	47.44	1.886	
6,700.00	6,696.94	6,699.46	6,696.17	23.90	23.83	-164.282	13.69	-94.29	89.67	41.94	47.72	1.879 SF	
6,800.00	6,796.94	6,798.49	6,794.23	24.26	24.18	-155.640	16.60	-107.76	91.59	43.18	48.41	1.892	
6,900.00	6,896.94	6,897.52	6,892.29	24.62	24.54	-147.522	19.51	-121.23	95.52	46.43	49.09	1.946	
7,000.00	6,996.94	6,996.54	6,990.36	24.97	24.89	-140.170	22.42	-134.70	101.23	51.48	49.76	2.035	
7,100.00	7,096.94	7,095.57	7,088.42	25.33	25.25	-133.685	25.33	-148.17	108.44	58.02	50.42	2.151	
7,200.00	7,196.94	7,194.60	7,186.48	25.69	25.61	-128.059	28.25	-161.65	116.86	65.78	51.09	2.288	
7,300.00	7,296.94	7,293.62	7,284.54	26.05	25.97	-123.221	31.16	-175.12	126.26	74.51	51.76	2.440	
7,400.00	7,396.94	7,392.65	7,382.61	26.40	26.33	-119.072	34.07	-188.59	136.44	84.01	52.43	2.602	
7,500.00	7,496.94	7,491.68	7,480.67	26.76	26.69	-115.511	36.98	-202.06	147.23	94.12	53.11	2.772	
7,600.00	7,596.94	7,590.70	7,578.73	27.12	27.05	-112.442	39.89	-215.53	158.50	104.71	53.79	2.947	
7,700.00	7,696.94	7,689.73	7,676.80	27.48	27.42	-109.785	42.80	-229.00	170.17	115.70	54.48	3.124	
7,800.00	7,796.94	7,788.76	7,774.86	27.83	27.78	-107.471	45.72	-242.47	182.16	126.99	55.17	3.302	
7,900.00	7,896.94	7,887.78	7,872.92	28.19	28.15	-105.445	48.63	-255.94	194.40	138.54	55.86	3.480	
8,000.00	7,996.94	7,986.81	7,970.99	28.55	28.51	-103.659	51.54	-269.42	206.85	150.30	56.55	3.658	
8,100.00	8,096.94	8,085.84	8,069.05	28.91	28.88	-102.077	54.45	-282.89	219.48	162.24	57.25	3.834	
8,200.00	8,196.94	8,184.87	8,167.11	29.26	29.25	-100.668	57.36	-296.36	232.26	174.31	57.95	4.008	
8,300.00	8,296.94	8,283.89	8,265.17	29.62	29.62	-99.406	60.27	-309.83	245.16	186.52	58.65	4.180	
8,400.00	8,396.94	8,382.92	8,363.24	29.98	29.99	-98.270	63.18	-323.30	258.17	198.82	59.35	4.350	
8,500.00	8,496.94	8,481.95	8,461.30	30.34	30.36	-97.243	66.10	-336.77	271.27	211.22	60.05	4.517	
8,600.00	8,596.94	8,580.97	8,559.36	30.70	30.74	-96.311	69.01	-350.24	284.44	223.69	60.75	4.682	
8,700.00	8,696.94	8,680.00	8,657.43	31.05	31.11	-95.461	71.92	-363.71	297.69	236.23	61.46	4.844	
8,800.00	8,796.94	8,779.03	8,755.49	31.41	31.48	-94.684	74.83	-377.18	310.99	248.82	62.16	5.003	
8,900.00	8,896.94	8,878.05	8,853.55	31.77	31.86	-93.971	77.74	-390.66	324.34	261.47	62.87	5.159	
9,000.00	8,996.94	8,977.08	8,951.62	32.13	32.23	-93.314	80.65	-404.13	337.74	274.16	63.58	5.312	
9,100.00	9,096.94	9,076.11	9,049.68	32.48	32.61	-92.707	83.56	-417.60	351.18	286.90	64.29	5.463	
9,200.00	9,196.94	9,177.37	9,149.97	32.84	32.99	-92.137	86.52	-431.26	364.55	299.52	65.03	5.606	
9,300.00	9,296.94	9,283.25	9,255.04	33.20	33.39	-91.641	89.29	-444.07	376.56	310.71	65.85	5.718	
9,400.00	9,396.94	9,389.58	9,360.78	33.56	33.79	-91.242	91.65	-455.02	386.80	320.14	66.66	5.803	
9,500.00	9,496.94	9,496.29	9,467.08	33.92	34.18	-90.929	93.61	-464.07	395.25	327.80	67.45	5.860	
9,600.00	9,596.94	9,603.32	9,573.86	34.27	34.57	-90.692	95.15	-471.21	401.90	333.68	68.23	5.891	
9,700.00	9,696.94	9,710.58	9,680.98	34.63	34.96	-90.525	96.27	-476.41	406.74	337.75	68.99	5.896	
9,800.00	9,796.94	9,818.00	9,788.35	34.99	35.34	-90.410	96.97	-479.65	409.75	340.03	69.73	5.876	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon (119H, 129H) - Roger Donlon 129H - Wellbore #1 - Design #1

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)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,896.26	9,924.77	9,895.11	35.30	35.71	-88.909	97.25	-480.92	411.60	341.19	70.40	5.846	
10,000.00	9,992.24	10,021.90	9,992.24	35.60	36.05	-85.104	97.25	-480.94	414.63	343.60	71.03	5.837	
10,100.00	10,081.98	10,111.64	10,081.98	35.87	36.37	-79.216	97.25	-480.94	423.09	351.46	71.62	5.907	
10,200.00	10,162.74	10,192.39	10,162.74	36.11	36.65	-71.790	97.25	-480.94	441.06	368.87	72.19	6.110	
10,300.00	10,232.06	10,261.72	10,232.06	36.36	36.89	-63.644	97.25	-480.94	472.14	399.44	72.71	6.494	
10,400.00	10,287.85	10,317.51	10,287.85	36.61	37.09	-55.655	97.25	-480.94	518.12	444.96	73.16	7.082	
10,500.00	10,328.41	10,358.07	10,328.41	36.86	37.23	-48.474	97.25	-480.94	578.36	504.84	73.51	7.868	
10,600.00	10,352.51	10,383.89	10,354.24	37.12	37.32	-42.403	97.25	-480.94	650.29	576.54	73.75	8.817	
10,700.00	10,359.50	10,563.22	10,530.55	37.38	37.89	-38.977	68.80	-482.75	729.38	656.59	72.79	10.021	
10,800.00	10,359.50	11,374.26	10,925.00	37.68	39.75	-88.201	-566.99	-521.81	747.53	688.61	58.92	12.688	
10,900.00	10,359.50	11,494.86	10,925.00	38.02	40.14	-90.613	-687.58	-523.06	748.28	688.82	59.45	12.586	
11,000.00	10,359.50	11,594.12	10,925.00	38.41	40.52	-90.538	-786.84	-522.13	745.46	685.60	59.86	12.454	
11,100.00	10,359.50	11,693.81	10,925.00	38.85	40.94	-90.538	-886.52	-521.19	740.39	680.19	60.20	12.298	
11,200.00	10,359.50	11,793.37	10,925.00	39.33	41.40	-90.538	-986.07	-520.26	734.34	673.79	60.55	12.128	
11,300.00	10,359.50	11,892.92	10,925.00	39.85	41.91	-90.538	-1,085.62	-519.32	728.36	667.41	60.95	11.950	
11,400.00	10,359.50	11,992.47	10,925.00	40.42	42.46	-90.538	-1,185.17	-518.39	722.45	661.05	61.40	11.766	
11,500.00	10,359.50	12,092.03	10,925.00	41.03	43.06	-90.538	-1,284.72	-517.45	716.62	654.71	61.90	11.577	
11,600.00	10,359.50	12,191.58	10,925.00	41.68	43.69	-90.538	-1,384.27	-516.52	710.86	648.42	62.44	11.384	
11,700.00	10,359.50	12,291.14	10,925.00	42.37	44.35	-90.538	-1,483.82	-515.58	705.18	642.16	63.02	11.189	
11,800.00	10,359.50	12,390.69	10,925.00	43.10	45.05	-90.538	-1,583.37	-514.65	699.59	635.95	63.64	10.993	
11,900.00	10,359.50	12,490.24	10,925.00	43.85	45.79	-90.538	-1,682.92	-513.71	694.08	629.79	64.29	10.796	
12,000.00	10,359.50	12,589.80	10,925.00	44.65	46.56	-90.538	-1,782.47	-512.78	688.65	623.68	64.97	10.600	
12,100.00	10,359.50	12,689.35	10,925.00	45.47	47.36	-90.538	-1,882.02	-511.84	683.31	617.64	65.67	10.406	
12,200.00	10,359.50	12,788.91	10,925.00	46.32	48.18	-90.538	-1,981.57	-510.90	678.06	611.67	66.39	10.214	
12,300.00	10,360.11	12,888.46	10,925.00	47.20	49.04	-90.538	-2,081.12	-509.97	672.39	605.24	67.15	10.013	
12,400.00	10,360.98	12,988.01	10,925.00	48.11	49.92	-90.538	-2,180.66	-509.03	666.58	598.65	67.93	9.812	
12,500.00	10,361.85	13,087.56	10,925.00	49.04	50.83	-90.538	-2,280.21	-508.10	660.86	592.13	68.73	9.615	
12,600.00	10,362.72	13,187.11	10,925.00	49.99	51.76	-90.538	-2,379.75	-507.16	655.23	585.69	69.54	9.422	
12,700.00	10,363.59	13,286.66	10,925.00	50.97	52.71	-90.538	-2,479.30	-506.23	649.68	579.33	70.35	9.234	
12,800.00	10,364.46	13,386.21	10,925.00	51.97	53.69	-90.538	-2,578.85	-505.29	644.23	573.05	71.17	9.052	
12,900.00	10,365.33	13,485.76	10,925.00	52.99	54.68	-90.538	-2,678.39	-504.36	638.87	566.87	72.00	8.874	
13,000.00	10,366.20	13,585.31	10,925.00	54.02	55.70	-90.538	-2,777.94	-503.42	633.60	560.79	72.82	8.701	
13,100.00	10,367.07	13,684.86	10,925.00	55.08	56.73	-90.538	-2,877.48	-502.49	628.44	554.80	73.64	8.534	
13,200.00	10,367.94	13,784.41	10,925.00	56.15	57.77	-90.538	-2,977.03	-501.55	623.38	548.92	74.46	8.372	
13,300.00	10,368.81	13,883.96	10,925.00	57.23	58.84	-90.538	-3,076.57	-500.61	618.42	543.14	75.28	8.215	
13,400.00	10,369.68	13,983.51	10,925.00	58.33	59.92	-90.538	-3,176.12	-499.68	613.56	537.47	76.09	8.063	
13,500.00	10,370.55	14,083.06	10,925.00	59.44	61.01	-90.538	-3,275.67	-498.74	608.82	531.92	76.90	7.917	
13,600.00	10,371.42	14,182.61	10,925.00	60.57	62.12	-90.538	-3,375.21	-497.81	604.18	526.48	77.70	7.775	
13,700.00	10,372.29	14,282.16	10,925.00	61.71	63.24	-90.538	-3,474.76	-496.87	599.67	521.16	78.50	7.639	
13,800.00	10,373.17	14,381.71	10,925.00	62.86	64.38	-90.538	-3,574.30	-495.94	595.26	515.96	79.30	7.507	
13,900.00	10,374.04	14,481.26	10,925.00	64.02	65.52	-90.538	-3,673.85	-495.00	590.98	510.89	80.09	7.379	
14,000.00	10,374.91	14,580.81	10,925.00	65.19	66.68	-90.538	-3,773.40	-494.07	586.82	505.94	80.88	7.256	
14,100.00	10,375.78	14,680.36	10,925.00	66.37	67.84	-90.538	-3,872.94	-493.13	582.78	501.12	81.66	7.137	
14,200.00	10,376.65	14,779.91	10,925.00	67.57	69.02	-90.538	-3,972.49	-492.20	578.87	496.42	82.45	7.021	
14,300.00	10,377.52	14,879.46	10,925.00	68.77	70.21	-90.538	-4,072.03	-491.26	575.08	491.85	83.23	6.909	
14,400.00	10,378.39	14,979.01	10,925.00	69.97	71.40	-90.538	-4,171.58	-490.33	571.43	487.41	84.02	6.801	
14,500.00	10,379.26	15,078.56	10,925.00	71.19	72.60	-90.538	-4,271.12	-489.39	567.92	483.10	84.82	6.696	
14,600.00	10,380.13	15,176.33	10,925.00	72.42	73.79	-89.848	-4,368.89	-488.52	564.56	478.95	85.61	6.595	
14,700.00	10,381.01	15,258.16	10,925.00	73.64	74.78	-82.727	-4,450.50	-493.81	562.73	476.19	86.54	6.502	
14,800.00	10,381.92	15,340.33	10,925.00	74.85	75.75	-75.576	-4,531.15	-509.27	560.72	473.44	87.28	6.425	
14,900.00	10,382.86	15,422.98	10,925.00	76.01	76.69	-68.385	-4,609.68	-534.82	558.09	470.35	87.74	6.361	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon (119H, 129H) - Roger Donlon 129H - Wellbore #1 - Design #1

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)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,000.00	10,383.80	15,506.32	10,925.00	77.10	77.58	-61.132	-4,685.02	-570.33	554.96	466.94	88.03	6.304	
15,100.00	10,384.73	15,590.61	10,925.00	78.09	78.42	-53.797	-4,756.03	-615.63	551.52	463.23	88.29	6.246	
15,200.00	10,385.62	15,676.09	10,925.00	78.98	79.20	-46.358	-4,821.55	-670.46	547.96	459.27	88.69	6.179	
15,300.00	10,386.48	15,763.05	10,925.00	79.75	79.92	-38.791	-4,880.34	-734.45	544.47	455.14	89.33	6.095	
15,400.00	10,387.31	15,850.00	10,925.00	80.38	80.54	-29.422	-4,930.18	-805.61	541.28	451.03	90.25	5.998	
15,500.00	10,388.08	15,942.61	10,925.00	80.87	81.10	-23.165	-4,972.47	-887.92	538.60	447.02	91.58	5.881	
15,600.00	10,388.79	16,035.87	10,925.00	81.21	81.55	-15.049	-5,002.98	-975.96	536.65	443.56	93.09	5.765	
15,700.00	10,389.42	16,131.91	10,925.00	81.40	81.90	-6.560	-5,021.07	-1,070.19	535.58	440.88	94.71	5.655	
15,759.53	10,389.74	16,190.55	10,925.00	81.42	82.05	178.405	-5,025.31	-1,128.66	535.41	439.74	95.67	5.597	
15,800.00	10,389.94	16,231.09	10,925.00	81.44	82.12	-178.065	-5,025.19	-1,169.20	535.49	439.18	96.31	5.560	
15,900.00	10,390.35	16,333.77	10,925.00	81.33	82.21	-169.129	-5,013.74	-1,271.13	536.38	438.55	97.83	5.483	
16,000.00	10,390.64	16,440.23	10,925.00	81.09	82.16	-159.864	-4,985.32	-1,373.61	538.18	438.89	99.28	5.421	
16,100.00	10,390.81	16,550.70	10,925.00	80.74	81.96	-150.251	-4,938.78	-1,473.65	540.70	439.91	100.79	5.365	
16,200.00	10,390.81	16,665.25	10,925.00	80.30	81.61	-140.283	-4,873.60	-1,567.67	543.72	441.24	102.48	5.306	
16,300.00	10,390.64	16,783.74	10,925.00	79.79	81.14	-129.972	-4,790.11	-1,651.53	546.93	442.48	104.45	5.236	
16,400.00	10,390.30	16,905.78	10,925.00	79.22	80.55	-119.351	-4,689.87	-1,720.84	549.97	443.29	106.67	5.156	
16,500.00	10,389.80	17,030.70	10,925.00	78.62	79.88	-108.481	-4,575.85	-1,771.40	552.51	443.53	108.97	5.070	
16,600.00	10,389.15	17,157.52	10,925.00	78.00	79.14	-97.445	-4,452.46	-1,799.81	554.28	443.18	111.10	4.989	
16,700.00	10,388.37	17,274.63	10,925.00	77.38	78.43	-90.540	-4,335.58	-1,805.68	555.49	442.75	112.73	4.927	
16,800.00	10,387.50	17,374.22	10,925.00	76.76	77.84	-90.540	-4,236.00	-1,806.62	558.70	444.44	114.26	4.890	
16,900.00	10,386.63	17,473.77	10,925.00	76.17	77.26	-90.540	-4,136.45	-1,807.56	562.18	446.41	115.77	4.856	
17,000.00	10,385.75	17,573.32	10,925.00	75.59	76.71	-90.540	-4,036.91	-1,808.50	565.80	448.54	117.26	4.825	
17,100.00	10,384.88	17,672.87	10,925.00	75.04	76.18	-90.540	-3,937.36	-1,809.43	569.56	450.85	118.71	4.798	
17,200.00	10,384.01	17,772.42	10,925.00	74.51	75.68	-90.540	-3,837.82	-1,810.37	573.45	453.31	120.14	4.773	
17,300.00	10,383.13	17,871.97	10,925.00	74.00	75.19	-90.540	-3,738.27	-1,811.31	577.46	455.94	121.53	4.752	
17,400.00	10,382.26	17,971.52	10,925.00	73.51	74.73	-90.540	-3,638.72	-1,812.25	581.61	458.72	122.89	4.733	
17,500.00	10,381.39	18,071.07	10,925.00	73.05	74.29	-90.540	-3,539.18	-1,813.18	585.87	461.66	124.22	4.717	
17,600.00	10,380.52	18,170.62	10,925.00	72.62	73.88	-90.540	-3,439.63	-1,814.12	590.26	464.75	125.52	4.703	
17,700.00	10,379.64	18,270.17	10,925.00	72.20	73.49	-90.540	-3,340.09	-1,815.06	594.77	467.98	126.79	4.691	
17,800.00	10,378.77	18,369.72	10,925.00	71.82	73.13	-90.540	-3,240.54	-1,816.00	599.39	471.36	128.03	4.682	
17,900.00	10,377.90	18,469.27	10,925.00	71.46	72.80	-90.540	-3,141.00	-1,816.93	604.13	474.88	129.25	4.674	
18,000.00	10,377.02	18,568.82	10,925.00	71.12	72.49	-90.540	-3,041.45	-1,817.87	608.98	478.54	130.44	4.669	
18,100.00	10,376.15	18,668.37	10,925.00	70.82	72.21	-90.540	-2,941.90	-1,818.81	613.93	482.33	131.60	4.665	
18,200.00	10,375.28	18,767.92	10,925.00	70.54	71.96	-90.540	-2,842.36	-1,819.75	618.99	486.25	132.75	4.663	
18,300.00	10,374.41	18,867.47	10,925.00	70.28	71.74	-90.540	-2,742.81	-1,820.68	624.16	490.29	133.87	4.662	
18,400.00	10,373.53	18,967.02	10,925.00	70.06	71.55	-90.540	-2,643.27	-1,821.62	629.42	494.44	134.98	4.663	
18,500.00	10,372.66	19,066.57	10,925.00	69.87	71.39	-90.540	-2,543.72	-1,822.56	634.78	498.72	136.06	4.665	
18,600.00	10,371.79	19,166.12	10,925.00	69.70	71.26	-90.540	-2,444.18	-1,823.50	640.24	503.10	137.13	4.669	
18,700.00	10,370.91	19,265.67	10,925.00	69.57	71.17	-90.540	-2,344.63	-1,824.43	645.79	507.60	138.19	4.673	
18,800.00	10,370.04	19,365.22	10,925.00	69.47	71.10	-90.540	-2,245.08	-1,825.37	651.43	512.19	139.24	4.678	
18,900.00	10,369.17	19,464.77	10,925.00	69.39	71.07	-90.540	-2,145.54	-1,826.31	657.16	516.88	140.28	4.685	
19,000.00	10,368.29	19,564.32	10,925.00	69.35	71.08	-90.540	-2,045.99	-1,827.24	662.97	521.67	141.30	4.692	
19,100.00	10,367.42	19,663.87	10,925.00	69.34	71.12	-90.540	-1,946.45	-1,828.18	668.87	526.54	142.32	4.700	
19,200.00	10,366.55	19,763.42	10,925.00	69.36	71.19	-90.540	-1,846.90	-1,829.12	674.85	531.51	143.34	4.708	
19,300.00	10,365.68	19,862.97	10,925.00	69.41	71.30	-90.540	-1,747.36	-1,830.06	680.91	536.55	144.36	4.717	
19,400.00	10,364.80	19,962.52	10,925.00	69.49	71.44	-90.540	-1,647.81	-1,830.99	687.04	541.68	145.37	4.726	
19,500.00	10,363.93	20,062.07	10,925.00	69.60	71.61	-90.540	-1,548.27	-1,831.93	693.26	546.88	146.38	4.736	
19,600.00	10,363.06	20,161.62	10,925.00	69.75	71.82	-90.540	-1,448.72	-1,832.87	699.54	552.15	147.39	4.746	
19,700.00	10,362.18	20,261.17	10,925.00	69.92	72.06	-90.540	-1,349.17	-1,833.81	705.90	557.48	148.41	4.756	
19,800.00	10,361.31	20,360.72	10,925.00	70.13	72.34	-90.540	-1,249.63	-1,834.74	712.32	562.89	149.44	4.767	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon (119H, 129H) - Roger Donlon 129H - Wellbore #1 - Design #1

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
19,900.00	10,360.44	20,460.28	10,925.00	70.37	72.64	-90.540	-1,150.08	-1,835.68	718.81	568.35	150.46	4.777	
20,000.00	10,359.56	20,559.83	10,925.00	70.64	72.98	-90.540	-1,050.54	-1,836.62	725.37	573.87	151.50	4.788	
20,100.00	10,358.69	20,659.38	10,925.00	70.93	73.35	-90.540	-950.99	-1,837.56	732.00	579.45	152.55	4.799	
20,200.00	10,357.82	20,758.93	10,925.00	71.26	73.75	-90.540	-851.45	-1,838.49	738.68	585.08	153.60	4.809	
20,300.00	10,356.95	20,858.48	10,925.00	71.62	74.18	-90.540	-751.90	-1,839.43	745.42	590.76	154.67	4.820	
20,400.00	10,356.07	20,958.03	10,925.00	72.00	74.64	-90.540	-652.35	-1,840.37	752.23	596.48	155.75	4.830	
20,500.00	10,355.20	21,057.58	10,925.00	72.41	75.12	-90.540	-552.81	-1,841.31	759.09	602.25	156.84	4.840	
20,600.00	10,354.33	21,157.13	10,925.00	72.85	75.63	-90.540	-453.26	-1,842.24	766.01	608.06	157.94	4.850	
20,700.00	10,353.45	21,256.68	10,925.00	73.32	76.17	-90.540	-353.72	-1,843.18	772.98	613.91	159.07	4.860	
20,800.00	10,352.58	21,356.23	10,925.00	73.81	76.74	-90.540	-254.17	-1,844.12	780.00	619.80	160.20	4.869	
20,900.00	10,351.71	21,455.78	10,925.00	74.33	77.33	-90.540	-154.63	-1,845.05	787.08	625.72	161.36	4.878	
21,000.00	10,350.84	21,555.33	10,925.00	74.88	77.94	-90.540	-55.08	-1,845.99	794.20	631.67	162.53	4.887	
21,081.90	10,350.12	21,636.85	10,925.00	75.34	78.52	-90.540	26.44	-1,846.76	800.07	636.70	163.37	4.897	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #401H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 140-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	0.00	0.00	0.00	0.00	-29.499	887.68	-502.21	1,019.90				
100.00	100.00	101.51	101.50	0.26	0.15	-29.477	887.71	-501.76	1,019.71	1,019.30	0.41	2,511.269	
200.00	200.00	204.98	204.97	0.61	0.44	-29.421	887.68	-500.61	1,019.13	1,018.08	1.05	966.846	
300.00	300.00	307.13	307.12	0.97	0.81	-29.380	887.28	-499.54	1,018.28	1,016.51	1.78	572.655	
400.00	400.00	411.68	411.66	1.33	1.18	-29.335	886.64	-498.28	1,017.16	1,014.65	2.51	405.070	
500.00	500.00	509.73	509.69	1.69	1.53	-29.283	885.92	-496.81	1,015.79	1,012.57	3.22	315.382	
600.00	600.00	609.45	609.40	2.05	1.89	-29.233	885.34	-495.47	1,014.63	1,010.69	3.94	257.734	
700.00	700.00	711.37	711.31	2.41	2.26	-29.181	884.65	-494.03	1,013.34	1,008.68	4.66	217.428	
800.00	800.00	807.47	807.40	2.77	2.60	-29.132	884.13	-492.74	1,012.21	1,006.85	5.36	188.715	
900.00	900.00	910.53	910.44	3.12	2.97	-29.080	883.56	-491.37	1,011.08	1,004.99	6.09	165.976	
1,000.00	1,000.00	1,012.29	1,012.20	3.48	3.34	-29.018	882.82	-489.72	1,009.66	1,002.85	6.82	148.148	
1,100.00	1,099.99	1,105.64	1,105.53	3.84	3.67	-28.965	882.31	-488.48	1,007.67	1,000.16	7.51	134.230	
1,200.00	1,199.96	1,196.89	1,196.77	4.20	3.99	-28.946	882.00	-488.24	1,004.65	996.47	8.18	122.783	
1,300.02	1,299.89	1,286.40	1,286.23	4.55	4.29	-29.101	880.94	-491.26	1,000.91	992.07	8.84	113.252	
1,400.00	1,399.73	1,370.04	1,369.64	4.91	4.57	-29.411	879.29	-497.13	997.45	987.99	9.47	105.365	
1,497.57	1,497.16	1,443.64	1,442.73	5.26	4.82	-29.848	877.87	-505.62	996.30	986.25	10.05	99.112	
1,500.00	1,499.59	1,445.69	1,444.75	5.27	4.82	-29.862	877.83	-505.90	996.30	986.24	10.07	98.960	
1,600.00	1,599.45	1,529.65	1,527.79	5.63	5.11	-30.488	876.54	-518.22	997.18	986.48	10.70	93.165	
1,700.00	1,699.31	1,629.73	1,626.60	5.99	5.46	-31.292	875.10	-534.07	998.93	987.52	11.41	87.515	
1,800.00	1,799.18	1,726.50	1,722.09	6.35	5.81	-32.081	873.63	-549.67	1,000.96	988.84	12.12	82.575	
1,900.00	1,899.04	1,825.48	1,819.72	6.71	6.19	-32.899	872.08	-565.87	1,003.29	990.45	12.85	78.093	
2,000.00	1,998.90	1,925.05	1,917.89	7.07	6.57	-33.739	870.32	-582.45	1,005.82	992.24	13.58	74.047	
2,100.00	2,098.77	2,025.62	2,016.98	7.43	6.97	-34.610	868.09	-599.49	1,008.38	994.05	14.33	70.362	
2,200.00	2,198.63	2,122.73	2,112.65	7.79	7.36	-35.452	865.95	-616.04	1,011.22	996.15	15.07	67.109	
2,300.00	2,298.49	2,221.54	2,209.95	8.15	7.77	-36.313	863.76	-633.07	1,014.40	998.58	15.82	64.132	
2,400.00	2,398.36	2,321.33	2,308.18	8.52	8.18	-37.197	861.23	-650.49	1,017.69	1,001.11	16.58	61.398	
2,500.00	2,498.22	2,417.49	2,402.83	8.88	8.59	-38.044	858.84	-667.29	1,021.27	1,003.95	17.32	58.970	
2,600.00	2,598.08	2,512.46	2,496.23	9.24	8.99	-38.893	856.57	-684.36	1,025.48	1,007.42	18.06	56.788	
2,700.00	2,697.94	2,609.11	2,591.26	9.60	9.41	-39.749	854.46	-701.87	1,030.18	1,011.37	18.81	54.775	
2,800.00	2,797.81	2,708.43	2,688.92	9.97	9.84	-40.611	852.48	-719.82	1,035.24	1,015.67	19.57	52.901	
2,900.00	2,897.67	2,814.32	2,793.15	10.33	10.30	-41.494	850.39	-738.35	1,040.16	1,019.80	20.36	51.080	
3,000.00	2,997.53	2,923.08	2,900.47	10.69	10.76	-42.322	848.36	-755.84	1,044.41	1,023.24	21.17	49.343	
3,100.00	3,097.40	3,026.77	3,002.97	11.06	11.20	-43.066	846.38	-771.46	1,048.11	1,026.17	21.94	47.772	
3,200.00	3,197.26	3,136.52	3,111.59	11.42	11.65	-43.804	844.26	-786.95	1,051.29	1,028.56	22.74	46.237	
3,300.00	3,297.12	3,242.52	3,216.60	11.78	12.09	-44.509	841.58	-801.19	1,053.72	1,030.21	23.51	44.812	
3,400.00	3,397.00	3,342.50	3,315.62	12.14	12.51	-45.191	838.57	-814.69	1,056.41	1,032.14	24.26	43.537	
3,500.00	3,496.95	3,444.26	3,416.50	12.50	12.92	-45.821	835.99	-827.79	1,060.74	1,035.72	25.02	42.395	
3,600.00	3,596.94	3,547.83	3,519.12	12.86	13.35	-46.478	832.54	-841.37	1,066.53	1,040.74	25.79	41.361	
3,700.00	3,696.94	3,653.66	3,623.69	13.22	13.80	-47.263	826.82	-856.62	1,073.34	1,046.77	26.57	40.402	
3,800.00	3,796.94	3,766.14	3,734.92	13.57	14.27	-48.069	820.22	-871.84	1,079.45	1,052.07	27.37	39.434	
3,900.00	3,896.94	3,851.55	3,819.54	13.93	14.63	-48.627	815.72	-882.59	1,085.43	1,057.37	28.06	38.683	
4,000.00	3,996.94	3,928.62	3,895.81	14.28	14.95	-49.113	812.76	-893.21	1,093.36	1,064.65	28.70	38.094	
4,100.00	4,096.94	4,009.55	3,975.67	14.64	15.30	-49.657	810.15	-906.10	1,103.40	1,074.04	29.36	37.588	
4,200.00	4,196.94	4,099.65	4,064.36	14.99	15.70	-50.295	807.20	-921.69	1,114.65	1,084.59	30.06	37.084	
4,300.00	4,296.94	4,198.89	4,162.00	15.35	16.14	-50.981	804.35	-939.20	1,126.57	1,095.76	30.81	36.567	
4,400.00	4,396.94	4,319.20	4,280.78	15.70	16.67	-51.688	801.71	-958.13	1,137.58	1,105.91	31.67	35.924	
4,500.00	4,496.94	4,433.88	4,394.43	16.06	17.14	-52.251	799.40	-973.33	1,146.81	1,114.33	32.48	35.311	
4,600.00	4,596.94	4,537.42	4,497.15	16.41	17.57	-52.723	797.27	-986.07	1,155.35	1,122.12	33.23	34.769	
4,700.00	4,696.94	4,645.95	4,604.72	16.77	18.02	-53.290	793.41	-999.95	1,163.47	1,129.46	34.01	34.210	
4,800.00	4,796.94	4,758.92	4,716.70	17.12	18.48	-53.914	787.85	-1,013.77	1,170.42	1,135.61	34.81	33.624	
4,900.00	4,896.94	4,848.87	4,805.85	17.48	18.86	-54.419	783.08	-1,024.79	1,177.32	1,141.81	35.51	33.157	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #401H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 140-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
5,000.00	4,996.94	4,935.69	4,891.72	17.84	19.22	-54.929	778.75	-1,036.81	1,185.74	1,149.55	36.19	32.764	
5,100.00	5,096.94	5,054.35	5,009.25	18.19	19.72	-55.590	772.57	-1,051.88	1,193.19	1,156.17	37.02	32.230	
5,200.00	5,196.94	5,145.84	5,099.90	18.55	20.10	-56.091	767.71	-1,063.31	1,200.60	1,162.87	37.72	31.826	
5,300.00	5,296.94	5,230.66	5,183.86	18.91	20.46	-56.555	763.56	-1,074.64	1,209.07	1,170.67	38.39	31.492	
5,400.00	5,396.94	5,314.27	5,266.53	19.26	20.81	-57.003	760.17	-1,086.67	1,218.93	1,179.88	39.05	31.214	
5,500.00	5,496.94	5,406.55	5,357.67	19.62	21.21	-57.486	756.98	-1,100.69	1,229.90	1,190.14	39.75	30.939	
5,600.00	5,596.94	5,514.18	5,464.08	19.98	21.68	-58.019	753.41	-1,116.46	1,240.57	1,200.04	40.54	30.605	
5,700.00	5,696.94	5,616.68	5,565.47	20.33	22.11	-58.508	750.07	-1,131.13	1,251.09	1,209.80	41.29	30.301	
5,800.00	5,796.94	5,720.52	5,668.27	20.69	22.55	-58.981	746.63	-1,145.38	1,261.15	1,219.10	42.05	29.995	
5,900.00	5,896.94	5,822.34	5,769.13	21.05	22.98	-59.419	743.53	-1,158.99	1,271.12	1,228.33	42.79	29.705	
6,000.00	5,996.94	5,926.60	5,872.47	21.40	23.41	-59.847	740.45	-1,172.47	1,280.82	1,237.27	43.55	29.413	
6,100.00	6,096.94	6,021.98	5,967.04	21.76	23.81	-60.223	737.72	-1,184.59	1,290.44	1,246.18	44.26	29.159	
6,200.00	6,196.94	6,122.04	6,066.19	22.12	24.23	-60.627	734.72	-1,197.67	1,300.37	1,255.38	44.99	28.904	
6,300.00	6,296.94	6,224.11	6,167.35	22.47	24.65	-61.038	731.42	-1,210.90	1,310.15	1,264.42	45.73	28.648	
6,400.00	6,396.94	6,322.99	6,265.37	22.83	25.06	-61.423	728.32	-1,223.53	1,319.88	1,273.42	46.46	28.409	
6,500.00	6,496.94	6,421.22	6,362.73	23.19	25.47	-61.807	725.14	-1,236.20	1,329.73	1,282.54	47.18	28.182	
6,600.00	6,596.94	6,525.04	6,465.66	23.55	25.90	-62.201	721.78	-1,249.37	1,339.44	1,291.50	47.94	27.943	
6,700.00	6,696.94	6,617.20	6,557.00	23.90	26.29	-62.554	718.67	-1,261.20	1,349.30	1,300.67	48.63	27.748	
6,800.00	6,796.94	6,701.00	6,639.92	24.26	26.64	-62.896	715.67	-1,272.90	1,360.11	1,310.84	49.27	27.603	
6,900.00	6,896.94	6,791.32	6,729.19	24.62	27.03	-63.266	712.64	-1,286.29	1,371.86	1,321.90	49.96	27.462	
7,000.00	6,996.94	6,896.97	6,833.62	24.97	27.49	-63.686	709.22	-1,301.90	1,383.69	1,332.96	50.72	27.279	
7,100.00	7,096.94	6,996.07	6,931.61	25.33	27.92	-64.075	705.88	-1,316.37	1,395.37	1,343.91	51.45	27.118	
7,200.00	7,196.94	7,103.57	7,037.94	25.69	28.38	-64.488	702.14	-1,331.73	1,406.78	1,354.55	52.23	26.933	
7,300.00	7,296.94	7,210.63	7,143.94	26.05	28.83	-64.884	698.31	-1,346.30	1,417.60	1,364.59	53.00	26.745	
7,400.00	7,396.94	7,306.14	7,238.50	26.40	29.24	-65.236	694.68	-1,359.14	1,428.23	1,374.51	53.71	26.590	
7,500.00	7,496.94	7,395.51	7,326.95	26.76	29.62	-65.556	691.65	-1,371.62	1,439.56	1,385.17	54.39	26.469	
7,600.00	7,596.94	7,493.78	7,424.16	27.12	30.04	-65.900	688.54	-1,385.68	1,451.35	1,396.24	55.11	26.336	
7,700.00	7,696.94	7,607.22	7,536.45	27.48	30.52	-66.283	684.91	-1,401.36	1,462.73	1,406.82	55.92	26.160	
7,800.00	7,796.94	7,708.60	7,636.93	27.83	30.94	-66.606	681.63	-1,414.43	1,473.29	1,416.64	56.65	26.006	
7,900.00	7,896.94	7,801.05	7,728.56	28.19	31.33	-66.878	679.18	-1,426.44	1,484.21	1,426.87	57.34	25.885	
8,000.00	7,996.94	7,904.20	7,830.82	28.55	31.75	-67.159	676.98	-1,439.86	1,495.39	1,437.31	58.08	25.745	
8,100.00	8,096.94	8,001.85	7,927.65	28.91	32.16	-67.420	674.83	-1,452.31	1,506.33	1,447.53	58.80	25.619	
8,200.00	8,196.94	8,094.03	8,018.98	29.26	32.55	-67.684	672.40	-1,464.55	1,517.63	1,458.15	59.48	25.513	
8,300.00	8,296.94	8,204.03	8,127.94	29.62	33.01	-68.001	669.33	-1,479.23	1,528.98	1,468.71	60.27	25.370	
8,400.00	8,396.94	8,301.00	8,224.09	29.98	33.41	-68.274	666.44	-1,491.54	1,539.69	1,478.71	60.98	25.250	
8,500.00	8,496.94	8,376.01	8,298.39	30.34	33.73	-68.483	664.44	-1,501.65	1,551.34	1,489.77	61.57	25.198	
8,600.00	8,596.94	8,473.24	8,394.55	30.70	34.14	-68.743	662.49	-1,515.91	1,564.30	1,502.02	62.28	25.117	
8,700.00	8,696.94	8,597.21	8,517.36	31.05	34.66	-69.033	660.49	-1,532.64	1,576.33	1,513.19	63.14	24.965	
8,800.00	8,796.94	8,703.57	8,622.92	31.41	35.10	-69.256	658.87	-1,545.62	1,587.20	1,523.30	63.90	24.839	
8,900.00	8,896.94	8,799.78	8,718.39	31.77	35.49	-69.450	657.61	-1,557.46	1,598.27	1,533.67	64.60	24.740	
9,000.00	8,996.94	8,916.15	8,833.96	32.13	35.96	-69.682	655.78	-1,570.99	1,608.61	1,543.20	65.41	24.593	
9,100.00	9,096.94	9,005.30	8,922.46	32.48	36.33	-69.885	653.53	-1,581.40	1,618.74	1,552.66	66.08	24.497	
9,200.00	9,196.94	9,081.17	8,997.68	32.84	36.64	-70.065	651.70	-1,591.15	1,630.03	1,563.35	66.67	24.448	
9,300.00	9,296.94	9,152.68	9,068.44	33.20	36.94	-70.228	650.50	-1,601.42	1,642.98	1,575.75	67.23	24.438	
9,400.00	9,396.94	9,268.31	9,182.81	33.56	37.44	-70.470	649.23	-1,618.40	1,656.50	1,588.45	68.05	24.341	
9,500.00	9,496.94	9,424.07	9,337.44	33.92	38.07	-70.735	647.69	-1,637.00	1,667.36	1,598.29	69.07	24.139	
9,600.00	9,596.94	9,510.94	9,423.81	34.27	38.41	-70.873	646.66	-1,646.27	1,677.07	1,607.35	69.73	24.052	
9,700.00	9,696.94	9,583.20	9,495.53	34.63	38.71	-71.002	645.67	-1,654.93	1,688.00	1,617.69	70.30	24.010	
9,800.00	9,796.94	9,658.05	9,569.66	34.99	39.02	-71.147	644.62	-1,665.25	1,700.61	1,629.73	70.88	23.992	
9,900.00	9,896.26	9,737.61	9,648.30	35.30	39.37	-70.993	643.27	-1,677.25	1,718.20	1,646.73	71.47	24.041	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #401H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft
Offset Well Error: 0.00 usft

Survey Program: 140-MWD

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
10,000.00	9,992.24	9,817.39	9,726.99	35.60	39.72	-70.337	641.61	-1,690.30	1,742.87	1,670.78	72.08	24.179	
10,100.00	10,081.98	9,924.93	9,833.18	35.87	40.19	-69.235	640.65	-1,707.22	1,773.16	1,700.25	72.91	24.321	
10,200.00	10,162.74	10,018.39	9,925.57	36.11	40.59	-67.725	639.06	-1,721.19	1,808.31	1,734.64	73.67	24.547	
10,300.00	10,232.06	10,085.35	9,991.65	36.36	40.89	-65.898	636.46	-1,731.69	1,849.05	1,774.74	74.31	24.883	
10,400.00	10,287.85	10,179.67	10,084.74	36.61	41.30	-63.972	631.68	-1,746.11	1,894.69	1,819.55	75.14	25.216	
10,500.00	10,328.41	10,237.59	10,142.05	36.86	41.54	-61.792	628.92	-1,753.99	1,944.68	1,868.91	75.77	25.665	
10,600.00	10,352.51	10,272.24	10,176.40	37.12	41.69	-59.508	627.51	-1,758.37	1,998.91	1,922.61	76.29	26.201	
19,800.00	10,361.31	10,459.73	10,363.05	70.13	42.41	-11.371	623.06	-1,775.04	1,906.00	1,815.28	90.72	21.010	
19,900.00	10,360.44	10,457.05	10,360.38	70.37	42.40	-12.251	623.10	-1,774.89	1,810.21	1,719.31	90.90	19.914	
20,000.00	10,359.56	10,454.31	10,357.64	70.64	42.39	-13.229	623.13	-1,774.73	1,714.90	1,623.78	91.13	18.819	
20,100.00	10,358.69	10,451.52	10,354.85	70.93	42.38	-14.322	623.17	-1,774.57	1,620.15	1,528.75	91.40	17.725	
20,200.00	10,357.82	10,448.66	10,352.00	71.26	42.37	-15.550	623.22	-1,774.39	1,526.07	1,434.32	91.75	16.634	
20,300.00	10,356.95	10,445.75	10,349.09	71.62	42.36	-16.939	623.26	-1,774.22	1,432.78	1,340.61	92.17	15.545	
20,400.00	10,356.07	10,442.76	10,346.12	72.00	42.35	-18.519	623.30	-1,774.03	1,340.45	1,247.77	92.69	14.462	
20,500.00	10,355.20	10,439.72	10,343.08	72.41	42.34	-20.331	623.35	-1,773.84	1,249.30	1,155.96	93.34	13.385	
20,600.00	10,354.33	10,436.60	10,339.97	72.85	42.33	-22.426	623.40	-1,773.64	1,159.60	1,065.45	94.15	12.316	
20,700.00	10,353.45	10,433.42	10,336.79	73.32	42.31	-24.868	623.45	-1,773.44	1,071.72	976.55	95.17	11.261	
20,800.00	10,352.58	10,430.16	10,333.54	73.81	42.30	-27.739	623.50	-1,773.22	986.13	889.69	96.44	10.225	
20,900.00	10,351.71	10,426.82	10,330.21	74.33	42.29	-31.146	623.55	-1,773.00	903.51	805.47	98.04	9.216	
21,000.00	10,350.84	10,423.41	10,326.81	74.88	42.28	-35.220	623.61	-1,772.77	824.72	724.70	100.02	8.245	
21,081.90	10,350.12	10,420.56	10,323.96	75.34	42.27	-39.167	623.66	-1,772.57	763.90	661.92	101.98	7.491	CC, ES, SF

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #411H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 158-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	0.00	0.00	0.00	0.00	-28.434	901.98	-488.40	1,025.73				
100.00	100.00	98.07	98.07	0.26	0.15	-28.432	901.98	-488.35	1,025.70	1,025.29	0.40	2,537.200	
200.00	200.00	200.36	200.36	0.61	0.39	-28.423	901.95	-488.14	1,025.58	1,024.57	1.01	1,020.421	
300.00	300.00	302.48	302.48	0.97	0.76	-28.392	901.81	-487.45	1,025.13	1,023.40	1.73	592.821	
400.00	400.00	401.56	401.55	1.33	1.11	-28.372	901.60	-486.91	1,024.68	1,022.24	2.44	419.579	
500.00	500.00	504.51	504.51	1.69	1.48	-28.335	901.47	-486.10	1,024.20	1,021.03	3.17	323.149	
600.00	600.00	604.19	604.18	2.05	1.84	-28.302	901.13	-485.25	1,023.50	1,019.61	3.88	263.483	
700.00	700.00	702.13	702.12	2.41	2.19	-28.286	900.79	-484.74	1,022.94	1,018.35	4.59	222.706	
800.00	800.00	802.15	802.13	2.77	2.55	-28.266	900.56	-484.21	1,022.49	1,017.18	5.31	192.558	
900.00	900.00	901.33	901.31	3.12	2.90	-28.239	900.39	-483.58	1,022.04	1,016.02	6.02	169.738	
969.94	969.94	967.46	967.44	3.37	3.12	-28.232	900.34	-483.41	1,021.91	1,015.41	6.50	157.269	
1,000.00	1,000.00	995.88	995.86	3.48	3.22	-28.235	900.34	-483.46	1,021.94	1,015.23	6.70	152.468	
1,100.00	1,099.99	1,099.95	1,099.93	3.84	3.58	-28.229	900.35	-483.46	1,021.08	1,013.66	7.42	137.675	
1,200.00	1,199.96	1,205.27	1,205.25	4.20	3.95	-28.188	900.09	-482.85	1,017.98	1,009.84	8.14	125.059	
1,300.02	1,299.89	1,303.67	1,303.65	4.55	4.29	-28.175	899.26	-482.73	1,012.85	1,004.01	8.84	114.523	
1,400.00	1,399.73	1,403.65	1,403.62	4.91	4.65	-28.129	898.85	-482.30	1,007.10	997.55	9.56	105.383	
1,500.00	1,499.59	1,503.29	1,503.27	5.27	5.01	-28.077	898.41	-481.74	1,001.25	990.99	10.27	97.502	
1,600.00	1,599.45	1,598.95	1,598.92	5.63	5.35	-28.013	898.27	-481.13	995.62	984.66	10.97	90.780	
1,700.00	1,699.31	1,697.76	1,697.73	5.99	5.70	-27.960	898.30	-480.83	990.32	978.64	11.68	84.807	
1,800.00	1,799.18	1,800.40	1,800.36	6.35	6.07	-27.909	898.22	-480.50	984.90	972.50	12.40	79.416	
1,900.00	1,899.04	1,889.90	1,889.87	6.71	6.38	-27.898	898.11	-480.98	979.85	966.78	13.07	74.978	
2,000.00	1,998.90	1,975.09	1,975.00	7.07	6.66	-28.007	898.01	-483.75	976.08	962.37	13.71	71.200	
2,100.00	2,098.77	2,069.40	2,069.08	7.43	6.97	-28.330	897.26	-490.29	973.45	959.07	14.38	67.689	
2,200.00	2,198.63	2,166.84	2,165.92	7.79	7.30	-28.906	894.82	-500.74	971.20	956.13	15.07	64.450	
2,300.00	2,298.49	2,254.36	2,252.55	8.15	7.60	-29.584	891.77	-512.79	969.73	954.00	15.73	61.665	
2,400.00	2,398.36	2,365.38	2,362.27	8.52	8.00	-30.518	887.66	-529.17	968.77	952.29	16.48	58.784	
2,500.00	2,498.22	2,471.13	2,467.01	8.88	8.38	-31.337	883.22	-543.06	966.71	949.49	17.22	56.135	
2,600.00	2,598.08	2,568.27	2,563.26	9.24	8.73	-32.080	879.07	-555.55	964.64	946.70	17.93	53.788	
2,700.00	2,697.94	2,666.10	2,660.18	9.60	9.10	-32.830	875.10	-568.25	962.98	944.33	18.65	51.625	
2,800.00	2,797.81	2,770.65	2,763.87	9.97	9.49	-33.590	870.99	-581.01	961.17	941.77	19.40	49.541	
2,900.00	2,897.67	2,870.34	2,862.84	10.33	9.86	-34.272	867.25	-592.36	959.19	939.06	20.13	47.646	
3,000.00	2,997.53	2,967.99	2,959.85	10.69	10.23	-34.906	864.06	-603.09	957.53	936.68	20.85	45.914	
3,100.00	3,097.40	3,068.77	3,059.94	11.06	10.61	-35.574	860.65	-614.31	955.98	934.38	21.59	44.274	
3,200.00	3,197.26	3,166.79	3,157.24	11.42	10.98	-36.255	856.97	-625.54	954.45	932.13	22.32	42.760	
3,300.00	3,297.12	3,263.73	3,253.52	11.78	11.35	-36.902	853.87	-636.47	953.39	930.35	23.04	41.371	
3,373.95	3,370.98	3,335.37	3,324.74	12.05	11.62	-37.337	852.10	-644.01	953.10	929.52	23.58	40.422	
3,400.00	3,397.00	3,359.78	3,349.00	12.14	11.71	-37.481	851.57	-646.57	953.04	929.28	23.76	40.106	
3,500.00	3,496.95	3,451.69	3,440.35	12.50	12.07	-38.031	849.82	-656.57	955.04	930.58	24.46	39.040	
3,600.00	3,596.94	3,544.37	3,532.30	12.86	12.43	-38.642	847.97	-668.01	959.74	934.58	25.17	38.134	
3,700.00	3,696.94	3,641.45	3,628.52	13.22	12.81	-39.310	845.96	-680.78	966.36	940.47	25.89	37.324	
3,800.00	3,796.94	3,749.55	3,735.71	13.57	13.23	-40.024	843.72	-694.59	972.98	946.31	26.67	36.485	
3,900.00	3,896.94	3,868.43	3,853.57	13.93	13.70	-40.863	839.09	-709.39	978.14	950.64	27.49	35.578	
4,000.00	3,996.94	3,967.98	3,952.37	14.28	14.09	-41.532	834.69	-720.73	982.34	954.11	28.23	34.795	
4,100.00	4,096.94	4,068.31	4,051.97	14.64	14.48	-42.190	830.30	-731.95	986.57	957.59	28.97	34.050	
4,200.00	4,196.94	4,155.06	4,137.91	14.99	14.83	-42.831	826.00	-743.01	991.58	961.92	29.66	33.429	
4,300.00	4,296.94	4,261.04	4,242.80	15.35	15.26	-43.641	820.55	-757.14	997.00	966.57	30.44	32.755	
4,400.00	4,396.94	4,366.12	4,346.98	15.70	15.68	-44.366	815.52	-769.86	1,002.01	970.80	31.21	32.109	
4,500.00	4,496.94	4,470.08	4,450.25	16.06	16.09	-45.001	810.94	-780.96	1,006.41	974.44	31.96	31.485	
4,600.00	4,596.94	4,564.87	4,544.41	16.41	16.47	-45.569	806.94	-791.12	1,011.08	978.40	32.68	30.937	
4,700.00	4,696.94	4,665.98	4,644.87	16.77	16.86	-46.146	803.19	-801.90	1,016.18	982.75	33.43	30.401	
4,800.00	4,796.94	4,763.37	4,741.72	17.12	17.25	-46.669	799.61	-811.60	1,020.88	986.73	34.15	29.892	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #411H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 158-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
4,900.00	4,896.94	4,850.33	4,828.07	17.48	17.59	-47.165	796.63	-821.36	1,026.76	991.93	34.83	29.479	
5,000.00	4,996.94	4,955.33	4,932.34	17.84	18.00	-47.731	793.86	-833.36	1,033.45	997.86	35.59	29.037	
5,100.00	5,096.94	5,066.41	5,042.85	18.19	18.44	-48.267	790.51	-844.11	1,038.61	1,002.23	36.38	28.552	
5,200.00	5,196.94	5,148.84	5,124.77	18.55	18.76	-48.706	787.54	-852.78	1,044.18	1,007.15	37.03	28.196	
5,300.00	5,296.94	5,232.65	5,207.83	18.91	19.10	-49.203	784.94	-863.58	1,051.86	1,014.17	37.69	27.908	
5,400.00	5,396.94	5,331.09	5,305.36	19.26	19.50	-49.778	782.27	-876.72	1,060.29	1,021.87	38.42	27.595	
5,500.00	5,496.94	5,430.88	5,404.30	19.62	19.91	-50.318	779.92	-889.48	1,068.63	1,029.47	39.16	27.287	
5,600.00	5,596.94	5,523.26	5,495.83	19.98	20.28	-50.830	777.62	-901.73	1,077.34	1,037.48	39.86	27.028	
5,700.00	5,696.94	5,615.80	5,587.34	20.33	20.67	-51.396	774.86	-915.27	1,086.92	1,046.36	40.56	26.797	
5,800.00	5,796.94	5,713.60	5,684.02	20.69	21.08	-51.978	772.23	-929.74	1,096.92	1,055.63	41.29	26.565	
5,900.00	5,896.94	5,814.15	5,783.49	21.05	21.49	-52.543	769.84	-944.31	1,106.98	1,064.94	42.04	26.332	
6,000.00	5,996.94	5,917.76	5,885.99	21.40	21.92	-53.119	767.14	-959.16	1,116.89	1,074.09	42.80	26.094	
6,100.00	6,096.94	6,014.08	5,981.34	21.76	22.32	-53.630	764.73	-972.63	1,126.67	1,083.15	43.52	25.888	
6,200.00	6,196.94	6,131.94	6,098.07	22.12	22.81	-54.232	761.70	-988.57	1,136.18	1,091.82	44.36	25.611	
6,300.00	6,296.94	6,237.91	6,203.18	22.47	23.24	-54.755	758.32	-1,001.66	1,144.43	1,099.29	45.13	25.357	
6,400.00	6,396.94	6,344.39	6,308.81	22.83	23.67	-55.285	754.31	-1,014.42	1,152.12	1,106.22	45.90	25.099	
6,500.00	6,496.94	6,444.64	6,408.36	23.19	24.08	-55.750	750.73	-1,025.70	1,159.40	1,112.76	46.64	24.858	
6,600.00	6,596.94	6,534.75	6,497.75	23.55	24.44	-56.190	747.26	-1,036.51	1,167.24	1,119.91	47.33	24.663	
6,700.00	6,696.94	6,624.84	6,587.01	23.90	24.81	-56.649	743.83	-1,048.22	1,176.00	1,127.98	48.01	24.494	
6,800.00	6,796.94	6,722.99	6,684.21	24.26	25.22	-57.141	740.34	-1,061.37	1,185.33	1,136.59	48.74	24.319	
6,900.00	6,896.94	6,827.31	6,787.57	24.62	25.65	-57.654	736.46	-1,074.99	1,194.36	1,144.86	49.50	24.127	
7,000.00	6,996.94	6,926.31	6,885.70	24.97	26.06	-58.112	733.08	-1,087.57	1,203.35	1,153.12	50.23	23.955	
7,100.00	7,096.94	7,024.42	6,982.97	25.33	26.46	-58.556	729.81	-1,100.02	1,212.45	1,161.49	50.96	23.792	
7,200.00	7,196.94	7,127.27	7,084.91	25.69	26.89	-59.023	726.23	-1,113.18	1,221.63	1,169.92	51.71	23.624	
7,300.00	7,296.94	7,228.41	7,185.22	26.05	27.30	-59.463	722.72	-1,125.62	1,230.47	1,178.01	52.45	23.458	
7,400.00	7,396.94	7,334.35	7,290.35	26.40	27.73	-59.892	719.42	-1,138.23	1,239.20	1,185.98	53.22	23.285	
7,500.00	7,496.94	7,439.61	7,394.90	26.76	28.16	-60.301	716.02	-1,150.06	1,247.37	1,193.39	53.98	23.109	
7,600.00	7,596.94	7,535.52	7,490.19	27.12	28.54	-60.646	713.33	-1,160.51	1,255.49	1,200.80	54.69	22.958	
7,700.00	7,696.94	7,648.86	7,602.88	27.48	28.99	-61.030	710.21	-1,172.21	1,263.17	1,207.69	55.48	22.767	
7,800.00	7,796.94	7,740.31	7,693.79	27.83	29.35	-61.355	707.26	-1,181.71	1,270.75	1,214.58	56.17	22.624	
7,900.00	7,896.94	7,831.83	7,784.67	28.19	29.72	-61.704	704.06	-1,192.06	1,279.04	1,222.19	56.85	22.497	
8,000.00	7,996.94	7,934.94	7,887.05	28.55	30.14	-62.092	700.48	-1,203.74	1,287.43	1,229.83	57.60	22.351	
8,100.00	8,096.94	8,027.49	7,978.90	28.91	30.51	-62.453	697.01	-1,214.54	1,296.05	1,237.76	58.29	22.233	
8,200.00	8,196.94	8,121.80	8,072.40	29.26	30.90	-62.841	693.20	-1,226.27	1,305.28	1,246.28	59.00	22.125	
8,300.00	8,296.94	8,229.64	8,179.39	29.62	31.34	-63.256	689.15	-1,239.14	1,314.24	1,254.47	59.77	21.988	
8,400.00	8,396.94	8,330.27	8,279.30	29.98	31.75	-63.613	685.74	-1,250.65	1,322.98	1,262.48	60.51	21.866	
8,500.00	8,496.94	8,429.50	8,377.83	30.34	32.15	-63.963	682.30	-1,261.91	1,331.66	1,270.43	61.23	21.748	
8,600.00	8,596.94	8,523.10	8,470.76	30.70	32.53	-64.288	679.13	-1,272.71	1,340.60	1,278.68	61.93	21.649	
8,700.00	8,696.94	8,623.04	8,569.95	31.05	32.94	-64.623	676.13	-1,284.56	1,350.03	1,287.38	62.65	21.547	
8,800.00	8,796.94	8,717.06	8,663.29	31.41	33.32	-64.929	673.25	-1,295.36	1,359.16	1,295.81	63.35	21.454	
8,900.00	8,896.94	8,804.19	8,749.62	31.77	33.68	-65.256	669.98	-1,306.74	1,369.45	1,305.44	64.01	21.395	
9,000.00	8,996.94	8,913.55	8,857.93	32.13	34.14	-65.675	665.60	-1,321.22	1,379.89	1,315.09	64.80	21.296	
9,100.00	9,096.94	9,026.78	8,970.28	32.48	34.60	-66.065	661.35	-1,334.65	1,389.19	1,323.59	65.60	21.176	
9,200.00	9,196.94	9,145.82	9,088.59	32.84	35.08	-66.419	657.46	-1,347.15	1,397.52	1,331.10	66.43	21.039	
9,300.00	9,296.94	9,228.44	9,170.76	33.20	35.40	-66.641	655.21	-1,355.53	1,405.75	1,338.69	67.06	20.962	
9,400.00	9,396.94	9,339.46	9,281.17	33.56	35.84	-66.920	652.61	-1,366.83	1,414.20	1,346.36	67.84	20.845	
9,500.00	9,496.94	9,437.63	9,378.82	33.92	36.23	-67.178	649.80	-1,376.53	1,422.20	1,353.64	68.56	20.745	
9,600.00	9,596.94	9,524.56	9,465.20	34.27	36.58	-67.427	646.98	-1,385.82	1,430.83	1,361.62	69.21	20.672	
9,700.00	9,696.94	9,633.66	9,573.64	34.63	37.01	-67.721	643.80	-1,397.31	1,439.47	1,369.48	69.99	20.567	
9,800.00	9,796.94	9,728.92	9,668.34	34.99	37.39	-67.977	640.80	-1,407.22	1,447.98	1,377.29	70.69	20.484	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE #411H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 158-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
9,900.00	9,896.26	9,820.32	9,759.07	35.30	37.76	-67.893	637.09	-1,417.70	1,461.51	1,390.16	71.35	20.485	
10,000.00	9,992.24	9,924.22	9,862.18	35.60	38.19	-67.274	632.17	-1,429.43	1,481.72	1,409.63	72.09	20.553	
10,100.00	10,081.98	10,007.29	9,944.59	35.87	38.53	-66.049	628.36	-1,439.15	1,509.31	1,436.57	72.74	20.748	
10,200.00	10,162.74	10,106.06	10,042.71	36.11	38.92	-64.396	624.46	-1,449.76	1,543.39	1,469.90	73.49	21.001	
10,300.00	10,232.06	10,176.65	10,112.86	36.36	39.21	-62.320	621.63	-1,457.09	1,584.34	1,510.24	74.11	21.379	
10,400.00	10,287.85	10,271.59	10,207.32	36.61	39.58	-60.088	617.67	-1,465.83	1,631.64	1,556.81	74.83	21.804	
10,500.00	10,328.41	10,321.83	10,257.38	36.86	39.77	-57.604	615.85	-1,469.52	1,684.99	1,609.65	75.34	22.365	
10,600.00	10,352.51	10,352.31	10,287.79	37.12	39.88	-55.074	614.96	-1,471.51	1,744.12	1,668.37	75.75	23.024	
10,700.00	10,359.50	10,362.71	10,298.16	37.38	39.92	-52.608	614.69	-1,472.14	1,807.60	1,731.54	76.05	23.767	
10,800.00	10,359.50	10,365.22	10,300.67	37.68	39.93	-50.249	614.63	-1,472.29	1,872.69	1,796.38	76.32	24.538	
10,900.00	10,359.50	10,368.06	10,303.51	38.02	39.94	-47.981	614.56	-1,472.46	1,938.21	1,861.63	76.59	25.308	
19,700.00	10,362.18	10,467.25	10,402.52	69.92	40.30	-2.051	612.13	-1,477.86	1,959.02	1,872.93	86.08	22.758	
19,800.00	10,361.31	10,459.00	10,394.28	70.13	40.27	-2.409	612.33	-1,477.44	1,859.84	1,773.78	86.06	21.611	
19,900.00	10,360.44	10,459.00	10,394.28	70.37	40.27	-2.822	612.33	-1,477.44	1,760.73	1,674.64	86.10	20.451	
20,000.00	10,359.56	10,457.53	10,392.81	70.64	40.27	-3.281	612.37	-1,477.37	1,661.73	1,575.60	86.13	19.293	
20,100.00	10,358.69	10,453.77	10,389.06	70.93	40.25	-3.794	612.46	-1,477.18	1,562.85	1,476.68	86.17	18.137	
20,200.00	10,357.82	10,450.00	10,385.29	71.26	40.24	-4.377	612.55	-1,476.98	1,464.11	1,377.89	86.22	16.981	
20,300.00	10,356.95	10,446.22	10,381.52	71.62	40.23	-5.043	612.64	-1,476.79	1,365.55	1,279.25	86.30	15.824	
20,400.00	10,356.07	10,442.44	10,377.74	72.00	40.21	-5.813	612.73	-1,476.59	1,267.20	1,180.80	86.40	14.666	
20,500.00	10,355.20	10,438.65	10,373.96	72.41	40.20	-6.711	612.83	-1,476.40	1,169.12	1,082.57	86.55	13.509	
20,600.00	10,354.33	10,434.85	10,370.17	72.85	40.18	-7.775	612.92	-1,476.20	1,071.38	984.63	86.75	12.351	
20,700.00	10,353.45	10,431.04	10,366.37	73.32	40.17	-9.050	613.01	-1,475.99	974.08	887.05	87.03	11.193	
20,800.00	10,352.58	10,427.23	10,362.56	73.81	40.16	-10.608	613.11	-1,475.79	877.37	789.95	87.42	10.036	
20,900.00	10,351.71	10,423.41	10,358.74	74.33	40.14	-12.550	613.20	-1,475.59	781.48	693.48	87.99	8.881	
21,000.00	10,350.84	10,419.58	10,354.92	74.88	40.13	-15.030	613.29	-1,475.38	686.73	597.89	88.84	7.730	
21,081.90	10,350.12	10,416.44	10,351.79	75.34	40.12	-17.631	613.37	-1,475.21	610.37	520.52	89.85	6.793	CC, ES, SF

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE `15` WA AP FEE #002H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 1147-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	0.00	0.00	0.00	0.00	88.724	1.78	79.82	79.92				
100.00	100.00	96.23	96.23	0.26	0.13	88.606	1.94	79.86	79.88	79.50	0.38	209.512	
200.00	200.00	196.36	196.36	0.61	0.47	88.339	2.32	79.86	79.89	78.81	1.08	73.877	
300.00	300.00	296.47	296.47	0.97	0.82	87.997	2.79	79.70	79.75	77.96	1.79	44.561	
400.00	400.00	396.52	396.52	1.33	1.17	87.456	3.53	79.43	79.50	77.01	2.50	31.825	
500.00	500.00	496.52	496.51	1.69	1.52	86.645	4.64	79.10	79.23	76.03	3.21	24.704	
600.00	600.00	596.62	596.59	2.05	1.87	85.541	6.14	78.68	78.92	75.00	3.92	20.145	
700.00	700.00	697.05	697.01	2.41	2.22	84.234	7.87	77.89	78.29	73.66	4.63	16.912	
800.00	800.00	796.99	796.92	2.77	2.58	82.947	9.51	76.83	77.42	72.08	5.34	14.504	
900.00	900.00	897.35	897.27	3.12	2.93	81.715	11.01	75.59	76.39	70.34	6.05	12.631	
1,000.00	1,000.00	997.92	997.81	3.48	3.22	80.365	12.49	73.55	74.61	67.92	6.69	11.148	
1,100.00	1,099.99	1,097.98	1,097.83	3.84	3.40	79.899	13.50	71.27	72.92	65.69	7.23	10.081	
1,200.00	1,199.96	1,198.20	1,198.03	4.20	3.52	81.114	13.95	68.93	71.82	64.11	7.70	9.321	
1,275.58	1,275.48	1,273.59	1,273.39	4.47	3.57	83.069	14.03	66.98	71.32	63.30	8.02	8.889	CC
1,300.02	1,299.89	1,297.78	1,297.58	4.55	3.59	83.927	13.99	66.48	71.39	63.26	8.13	8.780	
1,400.00	1,399.73	1,396.69	1,396.48	4.91	3.69	88.188	13.02	65.25	72.80	64.21	8.59	8.475	
1,500.00	1,499.59	1,495.92	1,495.66	5.27	3.82	93.652	10.18	65.12	75.78	66.71	9.07	8.351	
1,600.00	1,599.45	1,595.41	1,595.08	5.63	3.97	99.300	6.39	65.28	79.84	70.25	9.59	8.326	
1,700.00	1,699.31	1,695.28	1,694.90	5.99	4.15	103.950	3.20	65.55	84.56	74.43	10.13	8.348	
1,800.00	1,799.18	1,795.14	1,794.74	6.35	4.36	107.095	1.59	65.96	89.43	78.74	10.69	8.365	
1,900.00	1,899.04	1,894.84	1,894.43	6.71	4.58	109.853	0.06	66.39	94.52	83.25	11.27	8.387	
2,000.00	1,998.90	1,994.55	1,994.12	7.07	4.82	112.315	-1.48	66.91	99.91	88.04	11.87	8.419	
2,100.00	2,098.77	2,094.39	2,093.95	7.43	5.07	114.432	-2.85	67.42	105.37	92.90	12.48	8.445	
2,200.00	2,198.63	2,193.81	2,193.36	7.79	5.33	116.170	-4.02	68.29	111.21	98.12	13.10	8.492	
2,300.00	2,298.49	2,293.53	2,293.08	8.15	5.60	117.736	-5.24	69.23	117.23	103.50	13.73	8.540	
2,400.00	2,398.36	2,392.98	2,392.51	8.52	5.89	119.182	-6.61	70.29	123.51	109.14	14.36	8.598	
2,500.00	2,498.22	2,492.36	2,491.87	8.88	6.17	120.469	-8.08	71.61	130.13	115.12	15.01	8.669	
2,600.00	2,598.08	2,592.84	2,592.33	9.24	6.47	121.554	-9.43	73.09	136.86	121.19	15.67	8.735	
2,700.00	2,697.94	2,692.94	2,692.42	9.60	6.77	122.355	-10.00	74.17	142.89	126.56	16.33	8.753	
2,800.00	2,797.81	2,791.70	2,791.17	9.97	7.07	122.886	-10.30	75.82	149.29	132.31	16.98	8.793	
2,900.00	2,897.67	2,892.76	2,892.20	10.33	7.38	123.245	-10.41	77.83	155.88	138.23	17.65	8.832	
3,000.00	2,997.53	2,992.79	2,992.22	10.69	7.69	123.516	-9.97	79.30	161.73	143.41	18.32	8.830	
3,100.00	3,097.40	3,091.06	3,090.46	11.06	7.99	123.558	-9.25	81.46	168.03	149.05	18.97	8.855	
3,200.00	3,197.26	3,192.93	3,192.29	11.42	8.31	123.306	-7.78	84.09	174.25	154.59	19.66	8.864	
3,300.00	3,297.12	3,295.30	3,294.63	11.78	8.63	123.130	-5.64	85.37	179.01	158.67	20.34	8.802	
3,400.00	3,397.00	3,395.41	3,394.70	12.14	8.94	122.919	-3.18	86.12	182.77	161.76	21.01	8.699	
3,500.00	3,496.95	3,495.92	3,495.16	12.50	9.26	122.311	-0.06	87.11	184.87	163.18	21.69	8.524	
3,600.00	3,596.94	3,596.29	3,595.49	12.86	9.58	121.606	3.01	87.55	184.94	162.57	22.37	8.269	
3,700.00	3,696.94	3,694.94	3,694.12	13.22	9.89	121.202	4.63	87.46	184.09	161.05	23.04	7.991	
3,742.83	3,739.77	3,736.89	3,736.07	13.37	10.03	121.095	4.98	87.55	183.99	160.66	23.32	7.888	
3,800.00	3,796.94	3,793.58	3,792.75	13.57	10.21	120.958	5.31	87.85	184.07	160.36	23.71	7.763	
3,900.00	3,896.94	3,893.20	3,892.37	13.93	10.54	120.617	6.05	88.76	184.48	160.08	24.40	7.562	
4,000.00	3,996.94	3,992.97	3,992.13	14.28	10.88	120.213	6.90	89.87	185.01	159.92	25.08	7.376	
4,100.00	4,096.94	4,093.35	4,092.51	14.64	11.21	120.167	6.76	90.42	185.55	159.78	25.78	7.199	
4,200.00	4,196.94	4,193.29	4,192.45	14.99	11.55	120.211	6.44	90.68	185.93	159.46	26.47	7.025	
4,300.00	4,296.94	4,293.01	4,292.16	15.35	11.89	120.167	6.32	91.18	186.43	159.27	27.16	6.864	
4,400.00	4,396.94	4,392.36	4,391.51	15.70	12.22	120.037	6.31	92.04	187.18	159.33	27.85	6.720	
4,500.00	4,496.94	4,491.95	4,491.09	16.06	12.56	119.857	6.33	93.18	188.17	159.62	28.55	6.591	
4,600.00	4,596.94	4,589.54	4,588.67	16.41	12.90	119.700	5.90	94.98	189.98	160.75	29.23	6.499	
4,700.00	4,696.94	4,688.89	4,687.98	16.77	13.24	119.558	4.98	97.55	192.69	162.77	29.92	6.439	
4,800.00	4,796.94	4,792.40	4,791.47	17.12	13.59	119.661	3.59	99.29	194.83	164.18	30.65	6.357	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE `15` WA AP FEE #002H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 1147-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
4,900.00	4,896.94	4,896.50	4,895.56	17.48	13.94	119.886	3.28	98.30	194.13	162.78	31.35	6.192	
5,000.00	4,996.94	4,994.37	4,993.42	17.84	14.26	120.054	3.18	97.34	193.33	161.29	32.03	6.035	
5,005.12	5,002.06	4,999.31	4,998.36	17.85	14.28	120.062	3.16	97.32	193.32	161.26	32.07	6.028	
5,100.00	5,096.94	5,091.41	5,090.46	18.19	14.60	120.235	2.29	97.64	194.06	161.34	32.72	5.932	
5,200.00	5,196.94	5,190.28	5,189.31	18.55	14.94	120.427	0.79	98.92	195.93	162.53	33.41	5.865	
5,300.00	5,296.94	5,292.87	5,291.87	18.91	15.29	120.709	-0.87	99.82	197.53	163.40	34.13	5.788	
5,400.00	5,396.94	5,394.68	5,393.68	19.26	15.63	121.017	-1.83	99.36	197.62	162.79	34.83	5.674	
5,500.00	5,496.94	5,494.46	5,493.46	19.62	15.97	121.241	-2.38	98.78	197.41	161.88	35.52	5.557	
5,594.43	5,591.37	5,588.68	5,587.67	19.96	16.29	121.407	-2.85	98.44	197.36	161.18	36.18	5.455	
5,600.00	5,596.94	5,594.24	5,593.23	19.98	16.31	121.417	-2.87	98.43	197.36	161.14	36.22	5.449	
5,700.00	5,696.94	5,694.31	5,693.30	20.33	16.65	121.618	-3.46	98.05	197.35	160.43	36.92	5.346	
5,800.00	5,796.94	5,794.44	5,793.43	20.69	16.99	121.840	-4.07	97.60	197.28	159.66	37.62	5.245	
5,900.00	5,896.94	5,894.46	5,893.45	21.05	17.33	122.048	-4.63	97.13	197.18	158.86	38.31	5.146	
6,000.00	5,996.94	5,994.49	5,993.48	21.40	17.67	122.281	-5.25	96.61	197.07	158.06	39.01	5.051	
6,100.00	6,096.94	6,094.49	6,093.47	21.76	18.01	122.577	-6.04	95.95	196.94	157.22	39.71	4.959	
6,200.00	6,196.94	6,194.27	6,193.24	22.12	18.36	122.892	-6.92	95.31	196.88	156.46	40.41	4.871	
6,204.45	6,201.39	6,198.71	6,197.68	22.13	18.37	122.907	-6.96	95.29	196.88	156.43	40.45	4.868	
6,300.00	6,296.94	6,294.23	6,293.20	22.47	18.70	123.221	-7.88	94.73	196.91	155.80	41.12	4.789	
6,400.00	6,396.94	6,394.21	6,393.17	22.83	19.05	123.542	-8.81	94.13	196.92	155.10	41.82	4.709	
6,500.00	6,496.94	6,494.38	6,493.33	23.19	19.39	123.875	-9.78	93.52	196.95	154.42	42.52	4.632	
6,583.00	6,579.94	6,577.29	6,576.24	23.48	19.68	124.153	-10.54	92.95	196.90	153.80	43.11	4.568	
6,600.00	6,596.94	6,594.24	6,593.19	23.55	19.74	124.209	-10.70	92.84	196.90	153.68	43.22	4.555	
6,700.00	6,696.94	6,694.21	6,693.15	23.90	20.08	124.551	-11.70	92.22	196.95	153.03	43.93	4.483	
6,800.00	6,796.94	6,794.45	6,793.38	24.26	20.43	124.926	-12.76	91.47	196.95	152.31	44.63	4.412	
6,879.94	6,876.88	6,874.26	6,873.18	24.55	20.71	125.232	-13.60	90.85	196.92	151.72	45.20	4.357	
6,900.00	6,896.94	6,894.29	6,893.22	24.62	20.78	125.303	-13.80	90.70	196.92	151.58	45.34	4.343	
7,000.00	6,996.94	6,994.54	6,993.45	24.97	21.12	125.674	-14.82	89.94	196.89	150.84	46.04	4.276	
7,100.00	7,096.94	7,095.32	7,094.22	25.33	21.47	126.043	-15.66	88.94	196.57	149.82	46.75	4.205	
7,200.00	7,196.94	7,195.75	7,194.64	25.69	21.82	126.422	-16.34	87.68	195.96	148.50	47.46	4.129	
7,300.00	7,296.94	7,296.05	7,294.93	26.05	22.17	126.839	-17.00	86.18	195.15	146.99	48.16	4.052	
7,400.00	7,396.94	7,396.03	7,394.90	26.40	22.51	127.244	-17.57	84.65	194.28	145.41	48.86	3.976	
7,500.00	7,496.94	7,496.26	7,495.11	26.76	22.86	127.661	-18.16	83.10	193.41	143.84	49.57	3.902	
7,600.00	7,596.94	7,596.30	7,595.15	27.12	23.20	127.985	-18.39	81.61	192.37	142.10	50.27	3.827	
7,700.00	7,696.94	7,696.03	7,694.86	27.48	23.54	128.277	-18.60	80.30	191.46	140.49	50.97	3.756	
7,800.00	7,796.94	7,795.95	7,794.77	27.83	23.89	128.624	-19.00	78.94	190.65	138.97	51.68	3.689	
7,900.00	7,896.94	7,895.83	7,894.64	28.19	24.24	128.977	-19.43	77.60	189.87	137.49	52.38	3.625	
8,000.00	7,996.94	7,995.50	7,994.31	28.55	24.58	129.241	-19.69	76.54	189.21	136.13	53.08	3.564	
8,100.00	8,096.94	8,095.68	8,094.48	28.91	24.93	129.533	-20.06	75.47	188.61	134.83	53.79	3.507	
8,200.00	8,196.94	8,195.73	8,194.52	29.26	25.28	129.858	-20.44	74.26	187.94	133.44	54.50	3.449	
8,300.00	8,296.94	8,295.41	8,294.19	29.62	25.62	130.247	-21.06	73.02	187.38	132.18	55.20	3.394	
8,400.00	8,396.94	8,396.10	8,394.87	29.98	25.98	130.788	-21.93	71.32	186.66	130.75	55.91	3.338	
8,500.00	8,496.94	8,496.12	8,494.86	30.34	26.33	131.448	-22.96	69.24	185.77	129.15	56.62	3.281	
8,600.00	8,596.94	8,595.85	8,594.57	30.70	26.68	131.980	-23.71	67.49	184.96	127.63	57.33	3.226	
8,700.00	8,696.94	8,695.29	8,694.00	31.05	27.02	132.460	-24.46	66.02	184.37	126.34	58.03	3.177	
8,800.00	8,796.94	8,794.97	8,793.65	31.41	27.37	133.057	-25.70	64.53	184.11	125.37	58.74	3.134	
8,900.00	8,896.94	8,895.07	8,893.73	31.77	27.73	133.732	-27.10	62.86	183.87	124.42	59.45	3.093	
9,000.00	8,996.94	8,995.69	8,994.31	32.13	28.08	134.558	-28.74	60.74	183.49	123.33	60.16	3.050	
9,100.00	9,096.94	9,096.05	9,094.64	32.48	28.43	135.409	-30.16	58.31	182.78	121.90	60.87	3.002	
9,200.00	9,196.94	9,195.41	9,193.97	32.84	28.78	136.199	-31.47	56.08	182.15	120.57	61.58	2.958	
9,257.88	9,254.82	9,252.58	9,251.12	33.05	28.99	136.544	-32.14	55.20	182.03	120.04	61.99	2.936	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OCOTILLO SUNRISE `15` WA AP FEE #002H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 1147-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
9,300.00	9,296.94	9,294.13	9,292.67	33.20	29.13	136.745	-32.62	54.78	182.10	119.81	62.29	2.923	
9,400.00	9,396.94	9,393.50	9,392.03	33.56	29.48	137.117	-33.79	54.25	182.59	119.59	62.99	2.898	
9,500.00	9,496.94	9,491.61	9,490.13	33.92	29.83	137.374	-35.23	54.46	183.81	120.12	63.69	2.886	
9,600.00	9,596.94	9,591.82	9,590.32	34.27	30.18	137.594	-36.89	55.03	185.42	121.01	64.40	2.879	
9,700.00	9,696.94	9,691.50	9,689.98	34.63	30.53	137.952	-38.92	55.30	187.11	122.00	65.11	2.874	
9,800.00	9,796.94	9,791.81	9,790.26	34.99	30.89	138.583	-41.60	54.83	188.71	122.89	65.82	2.867	
9,900.00	9,896.26	9,892.09	9,890.49	35.30	31.25	137.351	-44.36	53.83	181.89	115.39	66.50	2.735	
10,000.00	9,992.24	9,989.97	9,988.32	35.60	31.59	132.212	-47.00	52.18	162.02	94.87	67.15	2.413	
10,100.00	10,081.98	10,081.45	10,079.76	35.87	31.92	120.053	-48.77	50.23	133.51	65.76	67.75	1.971	
10,200.00	10,162.74	10,162.65	10,160.94	36.11	32.20	94.753	-49.76	48.55	110.92	42.62	68.30	1.624	
10,226.26	10,182.14	10,182.06	10,180.35	36.18	32.27	85.688	-50.00	48.21	109.50	41.07	68.44	1.600	ES, SF
10,300.00	10,232.06	10,232.31	10,230.58	36.36	32.45	59.665	-50.69	47.50	122.10	53.34	68.77	1.776	
10,400.00	10,287.85	10,289.47	10,287.74	36.61	32.65	34.892	-51.64	46.87	174.88	105.80	69.08	2.532	
10,500.00	10,328.41	10,331.55	10,329.80	36.86	32.80	22.002	-52.44	46.50	252.14	182.86	69.29	3.639	
10,600.00	10,352.51	10,356.65	10,354.90	37.12	32.89	15.039	-52.86	46.26	341.83	272.43	69.40	4.925	
10,700.00	10,359.50	10,364.86	10,363.11	37.38	32.92	10.932	-52.99	46.18	437.42	367.98	69.44	6.300	
10,800.00	10,359.50	10,366.27	10,364.52	37.68	32.93	8.523	-53.01	46.16	535.31	465.87	69.44	7.709	
10,900.00	10,359.50	10,367.68	10,365.93	38.02	32.93	7.174	-53.03	46.15	634.35	564.90	69.45	9.134	
11,000.00	10,359.50	10,369.11	10,367.35	38.41	32.94	6.461	-53.05	46.14	733.97	664.51	69.46	10.566	
11,100.00	10,359.50	10,370.54	10,368.79	38.85	32.94	6.158	-53.07	46.12	833.87	764.39	69.48	12.002	
11,200.00	10,359.50	10,371.96	10,370.21	39.33	32.95	6.019	-53.09	46.11	933.84	864.34	69.49	13.438	
11,300.00	10,359.50	10,373.35	10,371.60	39.85	32.95	5.908	-53.11	46.09	1,033.81	964.29	69.51	14.873	
11,400.00	10,359.50	10,374.73	10,372.98	40.42	32.96	5.816	-53.13	46.08	1,133.78	1,064.25	69.53	16.307	
11,500.00	10,359.50	10,376.08	10,374.33	41.03	32.96	5.739	-53.15	46.06	1,233.76	1,164.21	69.55	17.740	
11,600.00	10,359.50	10,377.41	10,375.66	41.68	32.96	5.674	-53.17	46.05	1,333.73	1,264.17	69.57	19.172	
11,700.00	10,359.50	10,378.72	10,376.97	42.37	32.97	5.618	-53.19	46.04	1,433.71	1,364.13	69.59	20.603	
11,800.00	10,359.50	10,380.01	10,378.26	43.10	32.97	5.569	-53.21	46.02	1,533.69	1,464.09	69.61	22.033	
11,900.00	10,359.50	10,381.28	10,379.53	43.85	32.98	5.526	-53.23	46.01	1,633.68	1,564.05	69.63	23.462	
12,000.00	10,359.50	10,382.53	10,380.78	44.65	32.98	5.488	-53.24	46.00	1,733.66	1,664.01	69.65	24.890	
12,100.00	10,359.50	10,383.76	10,382.01	45.47	32.99	5.454	-53.26	45.98	1,833.64	1,763.97	69.68	26.316	
12,200.00	10,359.50	10,384.98	10,383.22	46.32	32.99	5.424	-53.27	45.97	1,933.63	1,863.93	69.70	27.741	
19,700.00	10,362.18	10,392.45	10,390.70	69.92	33.02	48.374	-53.37	45.89	1,944.96	1,855.31	89.65	21.696	
19,800.00	10,361.31	10,390.37	10,388.61	70.13	33.01	50.479	-53.34	45.91	1,873.71	1,782.84	90.87	20.620	
19,900.00	10,360.44	10,388.24	10,386.49	70.37	33.00	52.748	-53.32	45.93	1,805.19	1,713.01	92.18	19.583	
20,000.00	10,359.56	10,386.08	10,384.33	70.64	33.00	55.191	-53.29	45.96	1,739.72	1,646.14	93.58	18.591	
20,100.00	10,358.69	10,383.89	10,382.13	70.93	32.99	57.820	-53.26	45.98	1,677.66	1,582.60	95.05	17.649	
20,200.00	10,357.82	10,381.65	10,379.90	71.26	32.98	60.645	-53.23	46.00	1,619.39	1,522.80	96.60	16.765	
20,300.00	10,356.95	10,379.38	10,377.63	71.62	32.97	63.672	-53.20	46.03	1,565.35	1,467.16	98.18	15.943	
20,400.00	10,356.07	10,377.07	10,375.31	72.00	32.96	66.906	-53.17	46.05	1,515.98	1,416.18	99.79	15.191	
20,500.00	10,355.20	10,374.71	10,372.96	72.41	32.96	70.346	-53.13	46.08	1,471.75	1,370.36	101.39	14.515	
20,600.00	10,354.33	10,372.31	10,370.56	72.85	32.95	73.985	-53.10	46.10	1,433.14	1,330.20	102.94	13.922	
20,700.00	10,353.45	10,369.87	10,368.12	73.32	32.94	77.809	-53.06	46.13	1,400.62	1,296.22	104.40	13.416	
20,800.00	10,352.58	10,367.39	10,365.64	73.81	32.93	81.795	-53.03	46.15	1,374.62	1,268.91	105.71	13.004	
20,900.00	10,351.71	10,364.86	10,363.10	74.33	32.92	85.915	-52.99	46.18	1,355.50	1,248.68	106.83	12.689	
21,000.00	10,350.84	10,362.28	10,360.53	74.88	32.91	90.130	-52.95	46.20	1,343.57	1,235.86	107.71	12.474	
21,081.90	10,350.12	10,360.13	10,358.38	75.34	32.90	93.622	-52.92	46.23	1,339.29	1,231.06	108.24	12.374	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #303H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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	0.00	0.00	0.00	0.00	-52.815	730.17	-962.48	1,208.11				
100.00	100.00	105.52	105.52	0.26	0.16	-52.847	729.41	-962.62	1,207.78	1,207.37	0.42	2,900.896	
200.00	200.00	235.26	235.22	0.61	0.52	-52.921	726.90	-961.87	1,206.23	1,205.09	1.14	1,058.169	
300.00	300.00	362.96	362.80	0.97	0.99	-52.956	723.02	-957.93	1,201.93	1,199.97	1.96	613.778	
400.00	400.00	455.07	454.76	1.33	1.32	-52.981	719.53	-954.19	1,196.44	1,193.80	2.64	452.561	
500.00	500.00	539.86	539.49	1.69	1.63	-53.011	716.97	-951.81	1,192.38	1,189.07	3.31	360.779	
600.00	600.00	633.49	633.07	2.05	1.97	-53.062	714.34	-950.09	1,189.21	1,185.21	4.00	297.343	
700.00	700.00	730.63	730.15	2.41	2.32	-53.147	711.26	-948.91	1,186.33	1,181.63	4.71	252.069	
800.00	800.00	829.77	829.22	2.77	2.68	-53.274	707.56	-948.36	1,183.65	1,178.23	5.42	218.322	
900.00	900.00	930.15	929.47	3.12	3.05	-53.468	702.74	-948.58	1,180.96	1,174.82	6.14	192.282	
1,000.00	1,000.00	1,028.19	1,027.36	3.48	3.40	-53.713	697.13	-949.48	1,178.30	1,171.45	6.86	171.889	
1,100.00	1,099.99	1,125.03	1,124.03	3.84	3.76	-53.975	691.64	-950.62	1,175.08	1,167.52	7.56	155.351	
1,200.00	1,199.96	1,221.84	1,220.70	4.20	4.11	-54.248	686.61	-951.73	1,170.49	1,162.22	8.27	141.499	
1,300.02	1,299.89	1,326.12	1,324.82	4.55	4.49	-54.585	680.92	-953.05	1,164.22	1,155.21	9.01	129.205	
1,400.00	1,399.73	1,428.49	1,426.95	4.91	4.87	-54.992	674.13	-954.66	1,156.76	1,147.02	9.74	118.733	
1,500.00	1,499.59	1,516.93	1,515.13	5.27	5.20	-55.406	667.73	-956.89	1,149.79	1,139.36	10.43	110.258	
1,600.00	1,599.45	1,607.00	1,604.88	5.63	5.53	-55.872	661.01	-960.33	1,143.83	1,132.71	11.12	102.872	
1,700.00	1,699.31	1,705.95	1,703.47	5.99	5.90	-56.393	653.67	-964.60	1,138.39	1,126.55	11.84	96.115	
1,800.00	1,799.18	1,806.74	1,803.93	6.35	6.28	-56.903	646.49	-968.59	1,132.91	1,120.33	12.58	90.042	
1,900.00	1,899.04	1,906.21	1,903.09	6.71	6.65	-57.395	639.67	-972.27	1,127.45	1,114.14	13.31	84.691	
2,000.00	1,998.90	2,005.82	2,002.42	7.07	7.02	-57.878	633.07	-975.80	1,122.07	1,108.03	14.04	79.894	
2,100.00	2,098.77	2,105.89	2,102.24	7.43	7.39	-58.343	626.82	-979.06	1,116.72	1,101.95	14.78	75.573	
2,200.00	2,198.63	2,206.28	2,202.42	7.79	7.77	-58.785	621.00	-981.99	1,111.38	1,095.87	15.51	71.657	
2,300.00	2,298.49	2,307.31	2,303.26	8.15	8.14	-59.210	615.45	-984.60	1,105.99	1,089.75	16.24	68.087	
2,400.00	2,398.36	2,408.42	2,404.21	8.52	8.52	-59.620	610.16	-986.90	1,100.52	1,083.55	16.98	64.823	
2,500.00	2,498.22	2,509.62	2,505.26	8.88	8.89	-60.015	605.10	-988.89	1,094.96	1,077.25	17.71	61.826	
2,600.00	2,598.08	2,611.86	2,607.36	9.24	9.27	-60.408	600.04	-990.66	1,089.27	1,070.82	18.45	59.045	
2,700.00	2,697.94	2,714.78	2,710.09	9.60	9.65	-60.852	594.07	-992.59	1,083.33	1,064.14	19.19	56.454	
2,800.00	2,797.81	2,813.23	2,808.27	9.97	10.02	-61.351	587.22	-994.86	1,077.30	1,057.37	19.92	54.072	
2,900.00	2,897.67	2,909.45	2,904.07	10.33	10.39	-61.950	578.93	-998.22	1,071.60	1,050.94	20.65	51.885	
3,000.00	2,997.53	3,010.75	3,004.77	10.69	10.79	-62.671	568.78	-1,002.63	1,066.14	1,044.73	21.41	49.798	
3,100.00	3,097.40	3,113.96	3,107.29	11.06	11.19	-63.439	557.78	-1,007.03	1,060.48	1,038.31	22.18	47.822	
3,200.00	3,197.26	3,197.05	3,189.75	11.42	11.53	-64.132	548.38	-1,011.21	1,055.44	1,032.56	22.87	46.140	
3,300.00	3,297.12	3,277.20	3,269.09	11.78	11.85	-64.885	538.70	-1,017.09	1,052.33	1,028.77	23.56	44.670	
3,400.00	3,397.00	3,369.09	3,359.86	12.14	12.22	-65.780	527.19	-1,025.53	1,051.28	1,026.99	24.29	43.283	
3,413.95	3,410.94	3,383.45	3,374.06	12.20	12.28	-65.910	525.46	-1,026.82	1,051.27	1,026.87	24.40	43.089	
3,500.00	3,496.95	3,472.31	3,462.02	12.50	12.64	-66.656	515.32	-1,034.33	1,051.76	1,026.69	25.07	41.952	
3,600.00	3,596.94	3,575.50	3,564.37	12.86	13.05	-67.391	504.78	-1,042.10	1,053.51	1,027.67	25.84	40.768	
3,700.00	3,696.94	3,678.89	3,667.13	13.22	13.45	-67.991	495.66	-1,048.87	1,056.16	1,029.55	26.61	39.694	
3,800.00	3,796.94	3,784.43	3,772.17	13.57	13.86	-68.532	487.30	-1,054.86	1,058.52	1,031.14	27.37	38.668	
3,900.00	3,896.94	3,890.42	3,877.70	13.93	14.27	-69.058	478.95	-1,060.19	1,060.36	1,032.22	28.14	37.680	
4,000.00	3,996.94	3,997.29	3,984.16	14.28	14.68	-69.553	470.86	-1,064.70	1,061.64	1,032.73	28.91	36.727	
4,100.00	4,096.94	4,102.80	4,089.34	14.64	15.09	-70.002	463.29	-1,068.25	1,062.31	1,032.64	29.67	35.805	
4,200.00	4,196.94	4,204.14	4,190.18	14.99	15.49	-70.545	453.96	-1,072.06	1,062.74	1,032.32	30.42	34.931	
4,300.00	4,296.94	4,304.61	4,289.83	15.35	15.89	-71.232	442.06	-1,076.61	1,063.15	1,031.97	31.18	34.095	
4,400.00	4,396.94	4,404.61	4,388.98	15.70	16.30	-71.934	429.84	-1,081.17	1,063.62	1,031.68	31.95	33.295	
4,500.00	4,496.94	4,508.92	4,492.44	16.06	16.72	-72.646	417.39	-1,085.64	1,064.07	1,031.35	32.72	32.518	
4,600.00	4,596.94	4,617.66	4,600.47	16.41	17.16	-73.317	405.41	-1,089.09	1,063.89	1,030.38	33.51	31.747	
4,700.00	4,696.94	4,733.41	4,715.51	16.77	17.62	-74.001	392.84	-1,091.33	1,062.69	1,028.37	34.32	30.964	
4,800.00	4,796.94	4,850.85	4,831.99	17.12	18.09	-74.792	377.86	-1,092.16	1,059.92	1,024.79	35.13	30.173	
4,900.00	4,896.94	4,930.02	4,910.22	17.48	18.43	-75.441	365.84	-1,093.57	1,057.65	1,021.80	35.85	29.503	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #303H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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
5,000.00	4,996.94	5,024.00	5,002.63	17.84	18.83	-76.366	349.16	-1,097.26	1,057.07	1,020.46	36.61	28.875	
5,008.19	5,005.13	5,024.00	5,002.63	17.87	18.83	-76.366	349.16	-1,097.26	1,057.04	1,020.40	36.64	28.848	
5,100.00	5,096.94	5,105.28	5,082.35	18.19	19.19	-77.225	333.89	-1,101.50	1,057.76	1,020.43	37.33	28.335	
5,200.00	5,196.94	5,199.14	5,174.53	18.55	19.61	-78.179	316.96	-1,106.62	1,059.27	1,021.17	38.10	27.802	
5,300.00	5,296.94	5,296.45	5,270.29	18.91	20.04	-79.105	300.56	-1,111.98	1,061.38	1,022.50	38.88	27.301	
5,400.00	5,396.94	5,378.42	5,351.18	19.26	20.39	-79.812	288.07	-1,116.56	1,064.21	1,024.64	39.57	26.894	
5,500.00	5,496.94	5,446.86	5,418.73	19.62	20.68	-80.365	278.59	-1,122.05	1,069.78	1,029.61	40.17	26.631	
5,600.00	5,596.94	5,531.00	5,501.70	19.98	21.04	-80.998	268.12	-1,131.28	1,078.51	1,037.67	40.84	26.407	
5,700.00	5,696.94	5,607.49	5,577.14	20.33	21.35	-81.513	259.79	-1,140.82	1,089.01	1,047.58	41.44	26.281	
5,800.00	5,796.94	5,707.52	5,676.01	20.69	21.76	-82.078	250.69	-1,152.96	1,099.79	1,057.60	42.19	26.069	
5,900.00	5,896.94	5,844.00	5,811.35	21.05	22.29	-82.713	240.28	-1,167.09	1,109.14	1,065.99	43.15	25.704	
6,000.00	5,996.94	5,962.28	5,929.03	21.40	22.75	-83.192	231.98	-1,175.53	1,115.30	1,071.33	43.98	25.361	
6,100.00	6,096.94	6,059.00	6,025.38	21.76	23.11	-83.500	226.70	-1,181.99	1,121.32	1,076.63	44.68	25.095	
6,200.00	6,196.94	6,160.89	6,126.96	22.12	23.49	-83.748	222.57	-1,188.77	1,127.49	1,082.08	45.41	24.830	
6,300.00	6,296.94	6,266.73	6,232.53	22.47	23.87	-83.983	218.60	-1,195.29	1,133.21	1,087.06	46.15	24.556	
6,400.00	6,396.94	6,369.18	6,334.75	22.83	24.24	-84.199	214.91	-1,201.15	1,138.54	1,091.67	46.87	24.292	
6,500.00	6,496.94	6,470.85	6,436.20	23.19	24.61	-84.406	211.35	-1,206.78	1,143.70	1,096.12	47.59	24.034	
6,600.00	6,596.94	6,575.34	6,540.51	23.55	24.98	-84.578	208.40	-1,212.21	1,148.60	1,100.30	48.31	23.776	
6,700.00	6,696.94	6,679.50	6,644.54	23.90	25.34	-84.675	206.90	-1,217.04	1,153.09	1,104.07	49.03	23.519	
6,800.00	6,796.94	6,779.24	6,744.18	24.26	25.68	-84.743	205.94	-1,221.47	1,157.43	1,107.71	49.72	23.279	
6,900.00	6,896.94	6,881.62	6,846.46	24.62	26.03	-84.816	204.88	-1,226.01	1,161.75	1,111.33	50.42	23.041	
7,000.00	6,996.94	6,993.40	6,958.16	24.97	26.40	-84.844	204.68	-1,230.10	1,165.38	1,114.22	51.15	22.783	
7,100.00	7,096.94	7,106.75	7,071.47	25.33	26.77	-84.805	205.74	-1,232.92	1,167.95	1,116.07	51.87	22.515	
7,200.00	7,196.94	7,221.53	7,186.23	25.69	27.12	-84.748	207.02	-1,234.34	1,169.28	1,116.69	52.59	22.235	
7,300.00	7,296.94	7,328.18	7,292.87	26.05	27.45	-84.693	208.18	-1,234.64	1,169.65	1,116.38	53.27	21.958	
7,400.00	7,396.94	7,433.26	7,397.95	26.40	27.77	-84.646	209.14	-1,234.45	1,169.56	1,115.62	53.94	21.682	
7,500.00	7,496.94	7,533.69	7,498.38	26.76	28.07	-84.608	209.87	-1,234.06	1,169.24	1,114.63	54.61	21.413	
7,600.00	7,596.94	7,634.06	7,598.74	27.12	28.37	-84.581	210.39	-1,233.65	1,168.88	1,113.61	55.27	21.149	
7,700.00	7,696.94	7,734.09	7,698.77	27.48	28.68	-84.561	210.76	-1,233.25	1,168.51	1,112.58	55.94	20.890	
7,800.00	7,796.94	7,833.25	7,797.93	27.83	28.99	-84.547	211.01	-1,232.86	1,168.15	1,111.55	56.61	20.636	
7,900.00	7,896.94	7,930.10	7,894.78	28.19	29.30	-84.539	211.15	-1,232.69	1,167.99	1,110.71	57.28	20.391	
7,910.82	7,907.76	7,940.58	7,905.26	28.23	29.33	-84.539	211.16	-1,232.69	1,167.99	1,110.64	57.35	20.366	
8,000.00	7,996.94	8,029.59	7,994.27	28.55	29.62	-84.539	211.17	-1,232.76	1,168.06	1,110.10	57.96	20.153	
8,100.00	8,096.94	8,134.95	8,099.63	28.91	29.97	-84.556	210.80	-1,232.57	1,167.85	1,109.18	58.67	19.907	
8,200.00	8,196.94	8,238.20	8,202.87	29.26	30.32	-84.593	209.99	-1,231.99	1,167.22	1,107.85	59.37	19.661	
8,300.00	8,296.94	8,339.39	8,304.06	29.62	30.66	-84.646	208.84	-1,231.31	1,166.44	1,106.38	60.07	19.419	
8,400.00	8,396.94	8,438.75	8,403.40	29.98	30.99	-84.711	207.44	-1,230.62	1,165.62	1,104.85	60.77	19.182	
8,500.00	8,496.94	8,537.03	8,501.67	30.34	31.33	-84.781	205.97	-1,230.07	1,164.92	1,103.46	61.46	18.954	
8,600.00	8,596.94	8,636.05	8,600.68	30.70	31.67	-84.854	204.42	-1,229.65	1,164.36	1,102.19	62.16	18.731	
8,700.00	8,696.94	8,735.40	8,700.01	31.05	32.01	-84.932	202.82	-1,229.28	1,163.85	1,100.98	62.86	18.514	
8,800.00	8,796.94	8,834.98	8,799.58	31.41	32.36	-85.012	201.16	-1,228.97	1,163.39	1,099.82	63.57	18.301	
8,900.00	8,896.94	8,934.61	8,899.20	31.77	32.70	-85.092	199.50	-1,228.69	1,162.96	1,098.69	64.27	18.094	
9,000.00	8,996.94	9,033.89	8,998.46	32.13	33.04	-85.171	197.87	-1,228.45	1,162.59	1,097.61	64.98	17.892	
9,100.00	9,096.94	9,133.11	9,097.67	32.48	33.39	-85.247	196.31	-1,228.27	1,162.27	1,096.59	65.68	17.696	
9,200.00	9,196.94	9,233.05	9,197.60	32.84	33.73	-85.312	194.96	-1,228.11	1,162.00	1,095.62	66.38	17.504	
9,300.00	9,296.94	9,332.70	9,297.25	33.20	34.08	-85.360	193.99	-1,227.92	1,161.73	1,094.64	67.09	17.316	
9,363.21	9,360.16	9,393.12	9,357.66	33.43	34.29	-85.383	193.51	-1,227.89	1,161.66	1,094.13	67.53	17.203	
9,400.00	9,396.94	9,428.53	9,393.07	33.56	34.41	-85.396	193.24	-1,227.93	1,161.68	1,093.90	67.78	17.139	
9,500.00	9,496.94	9,526.29	9,490.83	33.92	34.75	-85.430	192.57	-1,228.15	1,161.85	1,093.37	68.48	16.966	
9,600.00	9,596.94	9,612.00	9,576.53	34.27	35.04	-85.457	192.09	-1,228.90	1,162.69	1,093.55	69.14	16.817	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #303H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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
9,700.00	9,696.94	9,694.69	9,659.20	34.63	35.33	-85.463	192.10	-1,230.71	1,164.89	1,095.12	69.77	16.696	
9,800.00	9,796.94	9,782.60	9,747.07	34.99	35.62	-85.442	192.66	-1,233.56	1,168.22	1,097.81	70.41	16.592	
9,900.00	9,896.26	9,887.66	9,851.74	35.30	35.95	-84.629	199.20	-1,237.07	1,173.57	1,102.51	71.06	16.514	
10,000.00	9,992.24	9,978.28	9,940.11	35.60	36.17	-82.378	218.56	-1,238.70	1,182.36	1,110.76	71.61	16.512	
10,100.00	10,081.98	10,040.90	9,997.97	35.87	36.30	-79.171	242.37	-1,237.79	1,196.51	1,124.52	71.99	16.620	
10,200.00	10,162.74	10,071.09	10,024.99	36.11	36.36	-75.847	255.81	-1,237.31	1,219.65	1,147.49	72.15	16.903	
10,300.00	10,232.06	10,088.18	10,040.06	36.36	36.39	-72.304	263.89	-1,237.07	1,252.19	1,180.00	72.18	17.347	
10,400.00	10,287.85	10,108.00	10,057.29	36.61	36.42	-68.398	273.66	-1,236.83	1,293.37	1,221.13	72.24	17.904	
10,500.00	10,328.41	10,088.57	10,040.40	36.86	36.39	-65.168	264.07	-1,237.06	1,341.00	1,268.97	72.04	18.616	
10,600.00	10,352.51	10,076.06	10,029.39	37.12	36.36	-61.785	258.12	-1,237.23	1,393.32	1,321.34	71.98	19.357	
10,700.00	10,359.50	10,040.90	9,997.97	37.38	36.30	-58.891	242.37	-1,237.79	1,447.99	1,376.16	71.83	20.158	
10,800.00	10,359.50	10,040.90	9,997.97	37.68	36.30	-55.604	242.37	-1,237.79	1,503.39	1,431.31	72.08	20.856	
10,900.00	10,359.50	10,013.00	9,972.54	38.02	36.25	-52.849	230.89	-1,238.32	1,560.27	1,488.19	72.08	21.647	
11,000.00	10,359.50	10,013.00	9,972.54	38.41	36.25	-49.870	230.89	-1,238.32	1,618.27	1,545.94	72.33	22.374	
11,100.00	10,359.50	10,013.00	9,972.54	38.85	36.25	-47.037	230.89	-1,238.32	1,677.63	1,605.06	72.57	23.117	
11,200.00	10,359.50	10,013.00	9,972.54	39.33	36.25	-44.378	230.89	-1,238.32	1,739.51	1,666.71	72.81	23.892	
11,300.00	10,359.50	9,975.20	9,937.18	39.85	36.16	-42.215	217.60	-1,238.71	1,803.34	1,730.61	72.73	24.796	
11,400.00	10,359.50	9,967.51	9,929.83	40.42	36.15	-39.959	215.30	-1,238.69	1,870.99	1,798.09	72.90	25.666	
11,500.00	10,359.50	9,960.69	9,923.29	41.03	36.13	-37.860	213.38	-1,238.66	1,941.33	1,868.26	73.07	26.569	
19,400.00	10,364.80	9,918.00	9,881.70	69.49	36.03	6.036	203.89	-1,237.86	1,919.40	1,838.57	80.83	23.748	
19,500.00	10,363.93	9,918.00	9,881.70	69.60	36.03	6.102	203.89	-1,237.86	1,822.55	1,741.55	81.00	22.502	
19,600.00	10,363.06	9,918.00	9,881.70	69.75	36.03	6.176	203.89	-1,237.86	1,726.06	1,644.86	81.21	21.256	
19,700.00	10,362.18	9,959.65	9,922.29	69.92	36.13	6.194	213.09	-1,238.65	1,627.29	1,546.02	81.28	20.022	
19,800.00	10,361.31	9,965.04	9,927.47	70.13	36.14	6.276	214.59	-1,238.68	1,530.94	1,449.43	81.51	18.782	
19,900.00	10,360.44	9,970.99	9,933.16	70.37	36.16	6.370	216.32	-1,238.70	1,434.99	1,353.19	81.79	17.544	
20,000.00	10,359.56	10,013.00	9,972.54	70.64	36.25	6.431	230.89	-1,238.32	1,341.52	1,259.68	81.85	16.391	
20,100.00	10,358.69	10,013.00	9,972.54	70.93	36.25	6.562	230.89	-1,238.32	1,245.82	1,163.57	82.25	15.146	
20,200.00	10,357.82	10,013.00	9,972.54	71.26	36.25	6.718	230.89	-1,238.32	1,150.85	1,068.08	82.77	13.904	
20,300.00	10,356.95	10,013.00	9,972.54	71.62	36.25	6.905	230.89	-1,238.32	1,056.81	973.36	83.44	12.665	
20,400.00	10,356.07	10,013.00	9,972.54	72.00	36.25	7.134	230.89	-1,238.32	963.97	879.65	84.32	11.433	
20,500.00	10,355.20	10,031.71	9,989.63	72.41	36.29	7.376	238.49	-1,237.96	872.28	787.26	85.03	10.259	
20,600.00	10,354.33	10,040.90	9,997.97	72.85	36.30	7.708	242.37	-1,237.79	781.79	695.62	86.17	9.072	
20,700.00	10,353.45	10,075.34	10,028.75	73.32	36.36	8.027	257.79	-1,237.24	692.17	605.34	86.84	7.971	
20,800.00	10,352.58	10,108.00	10,057.29	73.81	36.42	8.427	273.66	-1,236.83	604.23	516.51	87.71	6.889	
20,900.00	10,351.71	10,108.00	10,057.29	74.33	36.42	9.255	273.66	-1,236.83	518.72	428.29	90.43	5.736	
21,000.00	10,350.84	10,153.97	10,095.81	74.88	36.48	9.929	298.72	-1,236.27	434.78	343.29	91.49	4.752	
21,081.90	10,350.12	10,180.70	10,117.03	75.34	36.52	10.880	314.95	-1,235.89	369.29	275.91	93.38	3.955	CC, ES, SF

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #304H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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	0.00	0.00	0.00	0.00	-51.251	755.02	-940.77	1,206.27				
100.00	100.00	108.49	108.49	0.26	0.16	-51.243	754.84	-940.27	1,205.83	1,205.41	0.42	2,868.243	
200.00	200.00	219.35	219.34	0.61	0.47	-51.222	754.24	-938.81	1,204.46	1,203.38	1.08	1,114.920	
300.00	300.00	329.78	329.74	0.97	0.86	-51.205	752.95	-936.66	1,202.21	1,200.37	1.83	655.172	
400.00	400.00	439.74	439.64	1.33	1.26	-51.187	751.12	-933.76	1,199.11	1,196.52	2.59	463.288	
500.00	500.00	550.93	550.75	1.69	1.67	-51.158	748.82	-929.95	1,195.15	1,191.80	3.35	357.203	
600.00	600.00	678.69	678.31	2.05	2.14	-51.095	745.42	-923.65	1,189.67	1,185.51	4.16	285.659	
700.00	700.00	800.51	799.72	2.41	2.59	-51.006	740.77	-914.95	1,181.66	1,176.70	4.96	238.226	
800.00	800.00	900.47	899.30	2.77	2.97	-50.942	736.33	-907.40	1,172.99	1,167.32	5.68	206.565	
900.00	900.00	997.30	995.76	3.12	3.34	-50.897	731.75	-900.33	1,164.35	1,157.96	6.38	182.367	
1,000.00	1,000.00	1,091.49	1,089.62	3.48	3.70	-50.838	727.84	-893.63	1,156.21	1,149.12	7.08	163.209	
1,100.00	1,099.99	1,186.27	1,184.10	3.84	4.06	-50.771	724.40	-886.90	1,147.57	1,139.79	7.78	147.411	
1,200.00	1,199.96	1,279.74	1,277.31	4.20	4.41	-50.737	721.17	-880.76	1,137.79	1,129.31	8.48	134.172	
1,300.02	1,299.89	1,374.15	1,371.50	4.55	4.77	-50.731	718.13	-874.97	1,126.82	1,117.64	9.18	122.772	
1,400.00	1,399.73	1,471.59	1,468.73	4.91	5.13	-50.728	715.30	-869.19	1,115.36	1,105.48	9.89	112.829	
1,500.00	1,499.59	1,571.30	1,568.23	5.27	5.50	-50.742	712.12	-863.50	1,103.92	1,093.32	10.60	104.143	
1,600.00	1,599.45	1,668.49	1,665.21	5.63	5.87	-50.768	708.92	-858.10	1,092.51	1,081.20	11.31	96.626	
1,700.00	1,699.31	1,763.35	1,759.89	5.99	6.22	-50.790	706.07	-853.01	1,081.44	1,069.43	12.01	90.078	
1,800.00	1,799.18	1,857.81	1,854.19	6.35	6.57	-50.804	703.62	-848.18	1,070.81	1,058.11	12.70	84.292	
1,900.00	1,899.04	1,975.86	1,972.02	6.71	7.01	-50.764	700.91	-841.42	1,059.97	1,046.49	13.48	78.632	
2,000.00	1,998.90	2,118.36	2,113.84	7.07	7.56	-50.541	697.14	-828.15	1,046.20	1,031.88	14.32	73.046	
2,100.00	2,098.77	2,303.46	2,296.53	7.43	8.32	-50.204	684.69	-801.53	1,025.83	1,010.61	15.22	67.390	
2,200.00	2,198.63	2,406.67	2,397.72	7.79	8.79	-50.023	675.42	-783.42	1,001.70	985.75	15.95	62.818	
2,300.00	2,298.49	2,513.25	2,501.84	8.15	9.27	-49.786	665.28	-763.06	976.00	959.33	16.67	58.544	
2,400.00	2,398.36	2,612.49	2,598.68	8.52	9.72	-49.533	655.84	-743.49	949.86	932.47	17.39	54.626	
2,500.00	2,498.22	2,711.40	2,695.10	8.88	10.19	-49.245	646.52	-723.55	923.46	905.35	18.11	51.000	
2,600.00	2,598.08	2,810.03	2,791.18	9.24	10.65	-48.917	637.34	-703.24	896.83	878.01	18.83	47.634	
2,700.00	2,697.94	2,903.97	2,882.65	9.60	11.10	-48.565	628.82	-683.61	870.15	850.60	19.55	44.513	
2,800.00	2,797.81	2,995.81	2,972.14	9.97	11.54	-48.178	621.04	-664.51	843.97	823.70	20.27	41.633	
2,900.00	2,897.67	3,087.18	3,061.26	10.33	11.98	-47.747	613.86	-645.66	818.37	797.37	21.00	38.972	
3,000.00	2,997.53	3,178.36	3,150.30	10.69	12.41	-47.278	607.23	-627.17	793.45	771.72	21.73	36.515	
3,100.00	3,097.40	3,269.38	3,239.28	11.06	12.84	-46.766	601.19	-609.03	769.27	746.81	22.46	34.244	
3,200.00	3,197.26	3,360.23	3,328.20	11.42	13.27	-46.186	595.99	-591.10	745.92	722.72	23.20	32.146	
3,300.00	3,297.12	3,454.85	3,420.86	11.78	13.71	-45.495	591.45	-572.50	723.35	699.40	23.95	30.201	
3,400.00	3,397.00	3,554.05	3,517.92	12.14	14.18	-44.658	587.10	-552.44	701.15	676.45	24.71	28.379	
3,500.00	3,496.95	3,656.55	3,618.06	12.50	14.67	-43.669	582.65	-531.05	680.30	654.83	25.47	26.710	
3,600.00	3,596.94	3,762.04	3,721.01	12.86	15.18	-42.636	576.64	-508.86	660.24	634.01	26.23	25.167	
3,700.00	3,696.94	3,879.72	3,835.62	13.22	15.77	-41.565	566.90	-484.02	639.79	612.83	26.97	23.724	
3,800.00	3,796.94	4,000.76	3,952.84	13.57	16.38	-40.755	550.86	-458.56	615.90	588.26	27.65	22.279	
3,900.00	3,896.94	4,096.50	4,045.32	13.93	16.89	-40.225	535.96	-438.74	590.59	562.20	28.39	20.802	
4,000.00	3,996.94	4,194.02	4,139.44	14.28	17.39	-39.732	519.86	-418.98	564.88	535.75	29.13	19.393	
4,100.00	4,096.94	4,286.98	4,229.27	14.64	17.88	-39.255	504.54	-400.58	539.55	509.66	29.89	18.051	
4,200.00	4,196.94	4,379.93	4,319.24	14.99	18.36	-38.747	489.62	-382.66	514.91	484.25	30.66	16.796	
4,300.00	4,296.94	4,471.91	4,408.48	15.35	18.83	-38.184	475.54	-365.35	491.18	459.74	31.44	15.624	
4,400.00	4,396.94	4,564.86	4,498.86	15.70	19.30	-37.536	462.14	-348.24	468.48	436.26	32.22	14.539	
4,500.00	4,496.94	4,661.24	4,592.63	16.06	19.79	-36.715	449.02	-330.29	446.33	413.33	33.00	13.525	
4,600.00	4,596.94	4,757.15	4,685.94	16.41	20.28	-35.694	436.66	-311.86	424.51	390.71	33.79	12.562	
4,700.00	4,696.94	4,851.26	4,777.60	16.77	20.75	-34.569	425.06	-293.99	403.42	368.81	34.61	11.655	
4,800.00	4,796.94	4,946.33	4,870.38	17.12	21.23	-33.355	413.79	-276.56	383.27	347.83	35.44	10.815	
4,900.00	4,896.94	5,044.53	4,966.25	17.48	21.71	-31.960	402.31	-258.61	363.48	327.23	36.26	10.025	
5,000.00	4,996.94	5,141.51	5,060.87	17.84	22.20	-30.393	390.98	-240.67	343.82	306.72	37.10	9.267	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #304H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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
5,100.00	5,096.94	5,235.03	5,152.32	18.19	22.65	-28.778	380.54	-224.09	325.26	287.27	37.99	8.562	
5,200.00	5,196.94	5,328.49	5,243.98	18.55	23.10	-27.114	370.82	-208.67	308.26	269.38	38.88	7.928	
5,300.00	5,296.94	5,421.00	5,335.06	18.91	23.52	-25.491	362.20	-195.01	293.30	253.52	39.78	7.374	
5,400.00	5,396.94	5,519.86	5,432.58	19.26	23.97	-23.630	353.85	-181.06	279.70	239.04	40.65	6.880	
5,500.00	5,496.94	5,619.37	5,530.52	19.62	24.42	-21.237	345.72	-165.49	266.08	224.51	41.57	6.401	
5,600.00	5,596.94	5,716.81	5,626.24	19.98	24.88	-18.313	338.25	-148.86	252.97	210.40	42.57	5.943	
5,700.00	5,696.94	5,813.83	5,721.39	20.33	25.34	-14.779	331.62	-131.11	241.06	197.43	43.63	5.526	
5,800.00	5,796.94	5,910.50	5,816.16	20.69	25.80	-10.777	325.67	-112.95	230.75	186.01	44.74	5.158	
5,900.00	5,896.94	6,007.48	5,911.30	21.05	26.26	-6.482	320.21	-95.02	222.27	176.40	45.87	4.846	
6,000.00	5,996.94	6,109.89	6,011.76	21.40	26.75	-1.677	313.63	-76.26	214.43	167.43	47.00	4.563	
6,100.00	6,096.94	6,211.18	6,110.99	21.76	27.23	3.410	305.16	-57.77	206.19	158.07	48.13	4.284	
6,200.00	6,196.94	6,308.20	6,206.02	22.12	27.70	8.637	296.67	-40.13	199.26	150.00	49.26	4.045	
6,300.00	6,296.94	6,405.70	6,301.56	22.47	28.17	14.156	288.56	-22.44	194.59	144.24	50.35	3.865	
6,400.00	6,396.94	6,504.67	6,398.55	22.83	28.65	19.930	280.16	-4.67	191.69	140.32	51.37	3.732	
6,500.00	6,496.94	6,603.70	6,495.64	23.19	29.12	25.786	271.36	12.79	190.31	138.01	52.30	3.639	
6,551.95	6,548.89	6,655.37	6,546.39	23.37	29.36	28.714	266.77	21.36	190.15	137.42	52.74	3.606	
6,600.00	6,596.94	6,703.34	6,593.58	23.55	29.58	31.301	262.57	28.85	190.27	137.15	53.12	3.582	
6,700.00	6,696.94	6,803.72	6,692.57	23.90	30.04	36.297	253.96	43.08	191.04	137.18	53.86	3.547	
6,800.00	6,796.94	6,904.79	6,792.50	24.26	30.47	40.813	245.36	55.52	192.06	137.53	54.53	3.522	
6,900.00	6,896.94	7,005.52	6,892.32	24.62	30.89	44.817	236.93	66.06	193.05	137.90	55.15	3.501	
7,000.00	6,996.94	7,105.94	6,992.08	24.97	31.28	48.200	229.45	74.79	194.23	138.50	55.74	3.485	
7,100.00	7,096.94	7,208.54	7,094.25	25.33	31.65	50.926	222.97	81.46	195.09	138.79	56.30	3.465	
7,200.00	7,196.94	7,312.74	7,198.28	25.69	31.99	52.613	217.88	84.26	194.18	137.31	56.87	3.414	
7,300.00	7,296.94	7,412.08	7,297.57	26.05	32.27	53.324	214.73	84.05	192.10	134.62	57.48	3.342	
7,400.00	7,396.94	7,510.13	7,395.61	26.40	32.54	53.408	213.85	83.34	190.98	132.86	58.13	3.286	
7,500.00	7,496.94	7,609.78	7,495.26	26.76	32.79	53.117	214.35	82.39	190.52	131.76	58.77	3.242	
7,600.00	7,596.94	7,709.70	7,595.17	27.12	33.05	52.866	214.77	81.57	190.12	130.72	59.40	3.201	
7,700.00	7,696.94	7,809.84	7,695.31	27.48	33.30	52.655	215.07	80.81	189.70	129.67	60.03	3.160	
7,800.00	7,796.94	7,909.98	7,795.44	27.83	33.56	52.473	215.25	80.05	189.21	128.54	60.66	3.119	
7,900.00	7,896.94	8,009.89	7,895.35	28.19	33.82	52.326	215.33	79.36	188.70	127.40	61.30	3.078	
8,000.00	7,996.94	8,109.88	7,995.34	28.55	34.09	52.216	215.33	78.77	188.24	126.31	61.93	3.040	
8,100.00	8,096.94	8,210.31	8,095.77	28.91	34.36	52.104	215.26	78.08	187.65	125.09	62.57	2.999	
8,200.00	8,196.94	8,310.65	8,196.10	29.26	34.63	51.972	215.09	77.17	186.83	123.63	63.20	2.956	
8,300.00	8,296.94	8,410.73	8,296.17	29.62	34.90	51.948	214.59	76.40	185.92	122.08	63.85	2.912	
8,400.00	8,396.94	8,510.78	8,396.22	29.98	35.18	52.073	213.69	75.90	184.97	120.49	64.49	2.868	
8,500.00	8,496.94	8,610.81	8,496.24	30.34	35.47	52.242	212.66	75.47	184.00	118.87	65.13	2.825	
8,600.00	8,596.94	8,711.15	8,596.58	30.70	35.76	52.437	211.54	75.03	182.98	117.20	65.77	2.782	
8,700.00	8,696.94	8,811.84	8,697.26	31.05	36.06	52.720	209.99	74.49	181.62	115.21	66.41	2.735	
8,800.00	8,796.94	8,911.93	8,797.32	31.41	36.35	53.084	208.09	73.87	179.97	112.92	67.05	2.684	
8,900.00	8,896.94	9,011.59	8,896.97	31.77	36.65	53.450	206.27	73.35	178.46	110.77	67.70	2.636	
9,000.00	8,996.94	9,110.99	8,996.35	32.13	36.95	53.820	204.60	73.02	177.19	108.85	68.35	2.593	
9,100.00	9,096.94	9,210.27	9,095.62	32.48	37.25	54.227	203.07	73.05	176.32	107.32	69.00	2.555	
9,200.00	9,196.94	9,309.96	9,195.29	32.84	37.56	54.663	201.66	73.38	175.77	106.11	69.65	2.523	
9,300.00	9,296.94	9,409.76	9,295.09	33.20	37.87	55.099	200.32	73.80	175.34	105.03	70.31	2.494	
9,400.00	9,396.94	9,509.24	9,394.56	33.56	38.18	55.515	199.15	74.34	175.11	104.14	70.97	2.467	
9,420.53	9,417.47	9,529.65	9,414.97	33.63	38.25	55.594	198.94	74.47	175.10	104.00	71.10	2.463	
9,500.00	9,496.94	9,608.67	9,493.99	33.92	38.50	55.883	198.27	75.05	175.21	103.58	71.63	2.446	
9,600.00	9,596.94	9,709.08	9,594.39	34.27	38.81	56.195	197.56	75.71	175.36	103.07	72.29	2.426	
9,700.00	9,696.94	9,809.54	9,694.85	34.63	39.13	56.442	196.88	76.05	175.26	102.30	72.95	2.402	
9,777.81	9,774.75	9,887.71	9,773.02	34.91	39.37	56.409	196.42	76.03	175.27	101.80	73.47	2.386	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #304H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 155-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
9,800.00	9,796.94	9,909.21	9,794.51	34.99	39.43	56.530	196.40	75.96	174.97	101.36	73.61	2.377	CC, ES, SF
9,900.00	9,896.26	10,001.51	9,886.60	35.30	39.68	51.937	201.76	74.08	182.37	107.94	74.43	2.450	
10,000.00	9,992.24	10,070.89	9,954.80	35.60	39.83	42.538	213.87	71.65	209.23	134.64	74.60	2.805	
10,100.00	10,081.98	10,120.02	10,001.53	35.87	39.92	32.744	228.89	70.24	262.47	189.08	73.38	3.577	
10,200.00	10,162.74	10,150.18	10,029.21	36.11	39.97	25.050	240.82	69.55	337.12	265.44	71.68	4.703	
10,300.00	10,232.06	10,173.10	10,049.61	36.36	40.00	19.253	251.26	69.12	425.11	354.28	70.83	6.001	
10,400.00	10,287.85	10,173.10	10,049.61	36.61	40.00	15.321	251.26	69.12	519.34	449.40	69.94	7.425	
10,500.00	10,328.41	10,173.10	10,049.61	36.86	40.00	12.289	251.26	69.12	615.53	545.53	69.99	8.794	
10,600.00	10,352.51	10,173.10	10,049.61	37.12	40.00	9.975	251.26	69.12	710.55	639.94	70.61	10.063	
10,700.00	10,359.50	10,145.89	10,025.33	37.38	39.96	8.390	239.00	69.63	801.09	730.38	70.72	11.328	
10,800.00	10,359.50	10,132.80	10,013.37	37.68	39.94	7.200	233.69	69.93	891.41	820.05	71.36	12.492	
10,900.00	10,359.50	10,107.00	9,989.32	38.02	39.90	6.521	224.38	70.58	983.91	912.32	71.58	13.745	
11,000.00	10,359.50	10,107.00	9,989.32	38.41	39.90	6.069	224.38	70.58	1,077.03	1,004.74	72.29	14.898	
11,100.00	10,359.50	10,107.00	9,989.32	38.85	39.90	5.877	224.38	70.58	1,171.46	1,098.60	72.86	16.078	
11,200.00	10,359.50	10,107.00	9,989.32	39.33	39.90	5.795	224.38	70.58	1,266.78	1,193.46	73.32	17.277	
11,300.00	10,359.50	10,107.00	9,989.32	39.85	39.90	5.725	224.38	70.58	1,362.77	1,289.08	73.69	18.493	
11,400.00	10,359.50	10,107.00	9,989.32	40.42	39.90	5.664	224.38	70.58	1,459.31	1,385.30	74.00	19.720	
11,500.00	10,359.50	10,107.00	9,989.32	41.03	39.90	5.612	224.38	70.58	1,556.27	1,482.02	74.26	20.958	
11,600.00	10,359.50	10,107.00	9,989.32	41.68	39.90	5.566	224.38	70.58	1,653.60	1,579.13	74.48	22.203	
11,700.00	10,359.50	10,064.59	9,948.70	42.37	39.81	5.608	212.33	71.85	1,748.66	1,674.38	74.28	23.541	
11,800.00	10,359.50	10,060.13	9,944.36	43.10	39.81	5.575	211.29	72.00	1,846.01	1,771.57	74.44	24.799	
11,900.00	10,359.50	10,056.02	9,940.36	43.85	39.80	5.545	210.38	72.13	1,943.58	1,869.00	74.58	26.060	
20,000.00	10,359.56	10,107.00	9,989.32	70.64	39.90	48.828	224.38	70.58	1,964.83	1,867.17	97.66	20.119	
20,100.00	10,358.69	10,107.00	9,989.32	70.93	39.90	50.967	224.38	70.58	1,895.26	1,796.37	98.89	19.165	
20,200.00	10,357.82	10,107.00	9,989.32	71.26	39.90	53.271	224.38	70.58	1,828.52	1,728.32	100.20	18.248	
20,300.00	10,356.95	10,107.00	9,989.32	71.62	39.90	55.753	224.38	70.58	1,764.92	1,663.35	101.58	17.375	
20,400.00	10,356.07	10,133.36	10,013.88	72.00	39.94	58.133	233.91	69.91	1,704.09	1,601.20	102.89	16.562	
20,500.00	10,355.20	10,144.71	10,024.26	72.41	39.96	60.835	238.50	69.66	1,647.16	1,542.84	104.31	15.791	
20,600.00	10,354.33	10,173.10	10,049.61	72.85	40.00	63.451	251.26	69.12	1,594.39	1,488.72	105.67	15.088	
20,700.00	10,353.45	10,173.10	10,049.61	73.32	40.00	66.678	251.26	69.12	1,545.42	1,438.24	107.17	14.420	
20,800.00	10,352.58	10,190.16	10,064.39	73.81	40.02	69.798	259.77	68.87	1,501.26	1,392.70	108.56	13.829	
20,900.00	10,351.71	10,201.00	10,073.59	74.33	40.03	73.198	265.50	68.73	1,462.03	1,352.10	109.93	13.300	
21,000.00	10,350.84	10,241.21	10,106.78	74.88	40.05	76.095	288.19	68.44	1,427.55	1,316.48	111.08	12.852	
21,081.90	10,350.12	10,267.33	10,127.61	75.34	40.07	78.669	303.95	68.45	1,403.16	1,291.17	111.99	12.529	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #706H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 147-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	0.00	0.00	0.00	0.00	-62.744	468.77	-909.95	1,023.60				
100.00	100.00	96.50	96.50	0.26	0.29	-62.744	468.77	-909.95	1,023.60	1,023.05	0.54	1,883.681	
110.00	110.00	106.50	106.50	0.29	0.32	-62.744	468.77	-909.95	1,023.60	1,022.99	0.61	1,680.782	
200.00	200.00	185.31	185.31	0.61	0.58	-62.727	469.15	-909.99	1,023.87	1,022.68	1.19	860.036	
300.00	300.00	279.04	278.98	0.97	0.92	-62.572	472.40	-910.25	1,025.68	1,023.79	1.89	543.997	
400.00	400.00	393.38	393.26	1.33	1.32	-62.378	476.00	-909.67	1,026.69	1,024.04	2.65	386.787	
500.00	500.00	497.92	497.77	1.69	1.70	-62.230	478.40	-908.51	1,026.77	1,023.38	3.39	303.175	
600.00	600.00	601.87	601.70	2.05	2.07	-62.111	480.13	-907.22	1,026.45	1,022.33	4.12	249.320	
700.00	700.00	702.30	702.11	2.41	2.43	-62.011	481.43	-905.84	1,025.84	1,021.00	4.83	212.235	
780.94	780.94	777.52	777.32	2.70	2.69	-61.969	482.00	-905.31	1,025.63	1,020.24	5.39	190.218	
800.00	800.00	796.18	795.98	2.77	2.76	-61.964	482.08	-905.28	1,025.63	1,020.11	5.52	185.659	
900.00	900.00	894.09	893.89	3.12	3.10	-61.959	482.22	-905.37	1,025.79	1,019.57	6.22	164.939	
1,000.00	1,000.00	990.34	990.14	3.48	3.42	-61.989	481.92	-905.95	1,026.17	1,019.27	6.90	148.617	
1,100.00	1,099.99	1,086.85	1,086.63	3.84	3.75	-62.096	480.98	-907.42	1,026.28	1,018.70	7.59	135.299	
1,200.00	1,199.96	1,189.51	1,189.27	4.20	4.09	-62.282	479.50	-909.16	1,024.78	1,016.50	8.29	123.639	
1,300.02	1,299.89	1,288.15	1,287.87	4.55	4.43	-62.522	477.79	-910.80	1,021.58	1,012.60	8.98	113.756	
1,400.00	1,399.73	1,386.03	1,385.73	4.91	4.77	-62.780	476.32	-912.68	1,017.96	1,008.28	9.67	105.231	
1,500.00	1,499.59	1,484.84	1,484.51	5.27	5.11	-63.033	474.97	-914.52	1,014.37	1,003.99	10.37	97.787	
1,600.00	1,599.45	1,587.01	1,586.67	5.63	5.47	-63.244	474.36	-916.12	1,010.88	999.79	11.09	91.170	
1,700.00	1,699.31	1,688.60	1,688.24	5.99	5.82	-63.442	473.83	-917.27	1,007.05	995.25	11.80	85.330	
1,800.00	1,799.18	1,791.22	1,790.86	6.35	6.19	-63.640	473.25	-918.30	1,003.10	990.58	12.52	80.119	
1,900.00	1,899.04	1,892.99	1,892.63	6.71	6.54	-63.841	472.52	-919.09	998.89	985.65	13.24	75.470	
2,000.00	1,998.90	1,996.95	1,996.58	7.07	6.91	-64.048	471.61	-919.64	994.40	980.45	13.96	71.245	
2,100.00	2,098.77	2,100.02	2,099.64	7.43	7.27	-64.257	470.53	-919.85	989.55	974.88	14.68	67.431	
2,200.00	2,198.63	2,202.83	2,202.45	7.79	7.62	-64.466	469.34	-919.73	984.39	969.00	15.39	63.957	
2,300.00	2,298.49	2,304.72	2,304.33	8.15	7.98	-64.668	468.17	-919.34	979.00	962.89	16.10	60.792	
2,400.00	2,398.36	2,407.09	2,406.69	8.52	8.33	-64.854	467.18	-918.58	973.37	956.56	16.82	57.879	
2,500.00	2,498.22	2,509.05	2,508.65	8.88	8.69	-65.019	466.44	-917.41	967.49	949.96	17.53	55.196	
2,600.00	2,598.08	2,612.12	2,611.70	9.24	9.04	-65.159	466.01	-915.87	961.43	943.19	18.24	52.703	
2,700.00	2,697.94	2,720.41	2,719.96	9.60	9.42	-65.268	465.74	-913.33	954.69	935.72	18.97	50.322	
2,800.00	2,797.81	2,827.02	2,826.52	9.97	9.79	-65.347	465.58	-909.82	947.12	927.42	19.70	48.088	
2,900.00	2,897.67	2,932.61	2,932.02	10.33	10.15	-65.399	465.58	-905.50	938.89	918.47	20.42	45.988	
3,000.00	2,997.53	3,039.87	3,039.15	10.69	10.53	-65.422	465.69	-900.27	930.00	908.86	21.14	43.992	
3,100.00	3,097.40	3,194.85	3,193.64	11.06	11.07	-65.346	464.47	-888.33	918.46	896.52	21.94	41.864	
3,200.00	3,197.26	3,323.68	3,321.37	11.42	11.53	-65.427	458.78	-872.61	900.93	878.27	22.66	39.759	
3,300.00	3,297.12	3,431.52	3,428.01	11.78	11.93	-65.515	453.31	-857.50	881.63	858.27	23.36	37.743	
3,400.00	3,397.00	3,520.82	3,516.30	12.14	12.25	-65.707	447.43	-845.56	862.65	838.59	24.06	35.855	
3,500.00	3,496.95	3,604.00	3,598.79	12.50	12.56	-65.934	441.54	-836.67	847.19	822.43	24.76	34.216	
3,600.00	3,596.94	3,683.82	3,678.14	12.86	12.85	-66.117	436.33	-829.72	835.22	809.77	25.46	32.811	
3,700.00	3,696.94	3,790.54	3,784.24	13.22	13.25	-66.306	429.40	-820.61	824.72	798.56	26.17	31.517	
3,800.00	3,796.94	3,871.04	3,864.29	13.57	13.54	-66.505	423.62	-814.44	814.83	787.97	26.86	30.336	
3,900.00	3,896.94	3,976.37	3,969.10	13.93	13.93	-66.871	415.24	-808.03	806.10	778.52	27.58	29.231	
4,000.00	3,996.94	4,074.52	4,066.71	14.28	14.30	-67.207	407.37	-801.44	796.77	768.49	28.29	28.168	
4,100.00	4,096.94	4,175.83	4,167.49	14.64	14.67	-67.511	399.88	-794.36	787.46	758.46	29.00	27.154	
4,200.00	4,196.94	4,273.94	4,265.12	14.99	15.04	-67.758	393.30	-787.20	778.17	748.45	29.71	26.191	
4,300.00	4,296.94	4,373.77	4,364.49	15.35	15.41	-67.944	387.52	-779.64	768.96	738.53	30.42	25.274	
4,400.00	4,396.94	4,480.84	4,470.98	15.70	15.82	-68.278	379.62	-771.89	759.51	728.37	31.14	24.388	
4,500.00	4,496.94	4,609.44	4,598.52	16.06	16.31	-68.680	369.05	-759.35	747.41	715.57	31.84	23.472	
4,600.00	4,596.94	4,730.65	4,718.20	16.41	16.79	-68.921	359.32	-742.76	731.72	699.20	32.51	22.505	
4,700.00	4,696.94	4,808.39	4,794.86	16.77	17.10	-69.190	351.76	-732.43	715.88	682.62	33.27	21.518	
4,800.00	4,796.94	4,907.30	4,892.67	17.12	17.49	-69.700	341.23	-722.11	702.34	668.35	33.99	20.664	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #706H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 147-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
4,900.00	4,896.94	5,029.44	5,013.11	17.48	17.98	-70.260	328.39	-706.46	686.70	652.05	34.65	19.818	
5,000.00	4,996.94	5,104.92	5,087.50	17.84	18.29	-70.709	319.54	-697.22	671.15	635.72	35.43	18.942	
5,100.00	5,096.94	5,189.57	5,171.17	18.19	18.63	-71.311	309.47	-689.25	658.32	622.14	36.18	18.196	
5,200.00	5,196.94	5,276.64	5,257.51	18.55	18.97	-71.847	300.73	-682.24	647.48	610.57	36.91	17.540	
5,300.00	5,296.94	5,365.23	5,345.59	18.91	19.31	-72.310	293.36	-676.25	638.47	600.84	37.64	16.963	
5,400.00	5,396.94	5,455.74	5,435.74	19.26	19.65	-72.713	287.11	-671.21	631.08	592.72	38.36	16.453	
5,500.00	5,496.94	5,551.84	5,531.58	19.62	20.01	-73.050	281.82	-666.58	624.84	585.76	39.07	15.991	
5,600.00	5,596.94	5,652.47	5,631.95	19.98	20.39	-73.391	276.50	-661.74	618.70	578.90	39.80	15.546	
5,700.00	5,696.94	5,752.11	5,731.34	20.33	20.76	-73.707	271.49	-656.73	612.45	571.93	40.52	15.115	
5,800.00	5,796.94	5,849.96	5,828.96	20.69	21.13	-74.012	266.74	-651.95	606.41	565.17	41.24	14.705	
5,900.00	5,896.94	5,945.95	5,924.75	21.05	21.48	-74.298	262.39	-647.63	600.84	558.89	41.95	14.322	
6,000.00	5,996.94	6,046.68	6,025.32	21.40	21.85	-74.557	258.39	-643.33	595.66	552.98	42.67	13.958	
6,100.00	6,096.94	6,147.39	6,125.85	21.76	22.23	-74.786	254.65	-638.67	590.22	546.82	43.40	13.601	
6,200.00	6,196.94	6,246.52	6,224.81	22.12	22.59	-74.997	251.17	-634.03	584.78	540.67	44.11	13.256	
6,300.00	6,296.94	6,346.00	6,324.06	22.47	22.96	-75.380	246.03	-629.83	579.37	534.53	44.84	12.922	
6,400.00	6,396.94	6,440.39	6,418.13	22.83	23.31	-75.994	238.91	-626.90	574.49	528.94	45.56	12.610	
6,500.00	6,496.94	6,542.29	6,519.67	23.19	23.69	-76.717	230.83	-624.18	570.02	523.73	46.30	12.313	
6,600.00	6,596.94	6,641.21	6,618.27	23.55	24.06	-77.385	223.39	-621.35	565.54	518.51	47.03	12.026	
6,700.00	6,696.94	6,741.12	6,717.89	23.90	24.43	-78.019	216.38	-618.42	561.16	513.41	47.76	11.750	
6,800.00	6,796.94	6,841.53	6,818.04	24.26	24.81	-78.617	209.79	-615.32	556.81	508.32	48.49	11.483	
6,900.00	6,896.94	6,943.04	6,919.30	24.62	25.19	-79.176	203.59	-611.82	552.24	503.01	49.23	11.219	
7,000.00	6,996.94	7,043.39	7,019.41	24.97	25.56	-79.712	197.67	-608.09	547.50	497.54	49.96	10.959	
7,100.00	7,096.94	7,141.64	7,117.42	25.33	25.93	-80.241	191.93	-604.47	542.85	492.16	50.69	10.710	
7,200.00	7,196.94	7,239.22	7,214.80	25.69	26.29	-80.739	186.63	-601.27	538.71	487.30	51.41	10.478	
7,300.00	7,296.94	7,338.07	7,313.48	26.05	26.65	-81.219	181.60	-598.21	534.85	482.72	52.14	10.258	
7,400.00	7,396.94	7,436.37	7,411.62	26.40	27.01	-81.685	176.78	-595.35	531.25	478.38	52.86	10.049	
7,500.00	7,496.94	7,528.43	7,503.58	26.76	27.35	-82.051	173.05	-593.17	528.34	474.78	53.57	9.863	
7,600.00	7,596.94	7,622.56	7,597.69	27.12	27.68	-82.181	171.73	-592.36	527.28	473.02	54.26	9.718	
7,700.00	7,696.94	7,723.53	7,698.65	27.48	28.03	-82.279	170.72	-591.61	526.41	471.43	54.98	9.575	
7,800.00	7,796.94	7,823.53	7,798.64	27.83	28.39	-82.364	169.80	-590.65	525.34	469.65	55.69	9.433	
7,900.00	7,896.94	7,921.35	7,896.46	28.19	28.73	-82.419	169.20	-589.95	524.54	468.15	56.39	9.302	
7,998.99	7,995.93	8,017.33	7,992.43	28.55	29.06	-82.455	168.84	-589.70	524.24	467.16	57.08	9.184 CC	
8,000.00	7,996.94	8,018.30	7,993.41	28.55	29.06	-82.455	168.83	-589.70	524.24	467.15	57.09	9.183	
8,100.00	8,096.94	8,117.07	8,092.18	28.91	29.40	-82.507	168.39	-589.94	524.42	466.63	57.78	9.075	
8,200.00	8,196.94	8,216.27	8,191.37	29.26	29.73	-82.574	167.82	-590.32	524.73	466.24	58.48	8.972 ES	
8,300.00	8,296.94	8,311.87	8,286.97	29.62	30.05	-82.629	167.41	-591.10	525.49	466.33	59.16	8.883	
8,400.00	8,396.94	8,409.78	8,384.86	29.98	30.36	-82.575	168.09	-592.47	526.96	467.13	59.83	8.808	
8,500.00	8,496.94	8,509.49	8,484.56	30.34	30.68	-82.494	169.04	-594.02	528.63	468.12	60.51	8.736	
8,600.00	8,596.94	8,613.16	8,588.22	30.70	31.02	-82.485	169.31	-595.40	529.97	468.75	61.22	8.657	
8,700.00	8,696.94	8,713.90	8,688.95	31.05	31.35	-82.546	168.86	-596.32	530.83	468.90	61.92	8.573	
8,800.00	8,796.94	8,808.26	8,783.30	31.41	31.66	-82.564	168.88	-597.68	532.25	469.67	62.58	8.505	
8,900.00	8,896.94	8,908.31	8,883.34	31.77	31.99	-82.532	169.41	-599.52	534.15	470.88	63.27	8.442	
9,000.00	8,996.94	9,008.26	8,983.27	32.13	32.31	-82.499	169.97	-601.36	536.04	472.08	63.96	8.381	
9,100.00	9,096.94	9,109.32	9,084.31	32.48	32.64	-82.472	170.46	-603.20	537.92	473.26	64.66	8.320	
9,200.00	9,196.94	9,211.88	9,186.86	32.84	32.97	-82.460	170.76	-604.58	539.29	473.92	65.36	8.251	
9,300.00	9,296.94	9,313.22	9,288.19	33.20	33.31	-82.459	170.93	-605.75	540.45	474.39	66.06	8.181	
9,400.00	9,396.94	9,416.73	9,391.70	33.56	33.65	-82.476	170.85	-606.45	541.12	474.34	66.78	8.103	
9,500.00	9,496.94	9,519.31	9,494.28	33.92	34.01	-82.527	170.38	-606.56	541.15	473.65	67.50	8.017	
9,600.00	9,596.94	9,620.43	9,595.39	34.27	34.36	-82.573	169.91	-606.34	540.88	472.66	68.22	7.929	
9,700.00	9,696.94	9,724.49	9,699.45	34.63	34.73	-82.648	169.13	-605.74	540.22	471.27	68.95	7.835	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - OSPREY 10 #706H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 147-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
9,800.00	9,796.94	9,826.37	9,801.31	34.99	35.09	-82.793	167.50	-604.58	538.90	469.23	69.67	7.735	
9,851.20	9,848.02	9,880.42	9,855.36	35.15	35.28	-82.527	166.74	-603.75	538.63	468.61	70.02	7.693	
9,900.00	9,896.26	9,932.01	9,906.93	35.30	35.47	-81.787	166.37	-602.60	538.91	468.57	70.34	7.662	
10,000.00	9,992.24	10,027.00	10,001.88	35.60	35.80	-78.826	166.99	-600.00	542.62	471.69	70.93	7.650	
10,100.00	10,081.98	10,114.41	10,089.24	35.87	36.09	-74.219	168.53	-597.64	553.27	481.81	71.46	7.742	
10,200.00	10,162.74	10,192.60	10,167.40	36.11	36.36	-68.480	169.92	-595.79	573.87	501.94	71.94	7.978	
10,300.00	10,232.06	10,260.49	10,235.26	36.36	36.59	-62.167	170.93	-594.40	606.76	534.40	72.36	8.386	
10,400.00	10,287.85	10,315.66	10,290.42	36.61	36.78	-55.845	171.50	-593.41	652.90	580.19	72.71	8.979	
10,500.00	10,328.41	10,355.24	10,330.00	36.86	36.92	-49.951	171.80	-592.78	711.76	638.77	72.98	9.752	
10,600.00	10,352.51	10,378.66	10,353.41	37.12	37.00	-44.747	171.95	-592.43	781.30	708.13	73.17	10.678	
10,700.00	10,359.50	10,385.12	10,359.88	37.38	37.02	-40.331	171.99	-592.34	858.44	785.18	73.26	11.717	
10,800.00	10,359.50	10,384.59	10,359.34	37.68	37.02	-36.550	171.99	-592.35	938.99	865.67	73.32	12.807	
10,900.00	10,359.50	10,384.00	10,358.76	38.02	37.02	-33.212	171.98	-592.36	1,021.12	947.74	73.38	13.915	
11,000.00	10,359.50	10,383.36	10,358.12	38.41	37.01	-30.224	171.98	-592.37	1,104.38	1,030.94	73.44	15.038	
11,100.00	10,359.50	10,382.67	10,357.43	38.85	37.01	-27.516	171.97	-592.38	1,188.45	1,114.95	73.50	16.170	
11,200.00	10,359.50	10,381.95	10,356.71	39.33	37.01	-25.107	171.97	-592.39	1,274.01	1,200.46	73.56	17.320	
11,300.00	10,359.50	10,381.23	10,355.98	39.85	37.01	-23.004	171.97	-592.40	1,361.55	1,287.94	73.61	18.496	
11,400.00	10,359.50	10,380.49	10,355.25	40.42	37.01	-21.157	171.96	-592.41	1,450.70	1,377.03	73.66	19.693	
11,500.00	10,359.50	10,379.75	10,354.51	41.03	37.00	-19.526	171.96	-592.42	1,541.18	1,467.46	73.71	20.908	
11,600.00	10,359.50	10,379.01	10,353.76	41.68	37.00	-18.077	171.95	-592.43	1,632.77	1,559.01	73.76	22.136	
11,700.00	10,359.50	10,378.26	10,353.01	42.37	37.00	-16.782	171.95	-592.44	1,725.29	1,651.49	73.81	23.376	
11,800.00	10,359.50	10,377.50	10,352.25	43.10	36.99	-15.619	171.94	-592.45	1,818.61	1,744.76	73.85	24.626	
11,900.00	10,359.50	10,376.74	10,351.49	43.85	36.99	-14.571	171.94	-592.46	1,912.60	1,838.71	73.89	25.885	
19,500.00	10,363.93	10,361.84	10,336.60	69.60	36.94	25.865	171.84	-592.68	1,907.49	1,823.23	84.26	22.639	
19,600.00	10,363.06	10,361.75	10,336.51	69.75	36.94	26.996	171.84	-592.68	1,814.48	1,729.71	84.77	21.405	
19,700.00	10,362.18	10,361.66	10,336.42	69.92	36.94	28.249	171.84	-592.68	1,722.25	1,636.89	85.36	20.176	
19,800.00	10,361.31	10,361.58	10,336.33	70.13	36.94	29.643	171.84	-592.68	1,630.94	1,544.89	86.05	18.953	
19,900.00	10,360.44	10,361.49	10,336.24	70.37	36.94	31.201	171.84	-592.68	1,540.71	1,453.86	86.85	17.740	
20,000.00	10,359.56	10,361.40	10,336.16	70.64	36.94	32.952	171.84	-592.68	1,451.76	1,363.98	87.78	16.538	
20,100.00	10,358.69	10,361.32	10,336.07	70.93	36.94	34.929	171.84	-592.69	1,364.34	1,275.47	88.87	15.352	
20,200.00	10,357.82	10,361.23	10,335.99	71.26	36.94	37.173	171.84	-592.69	1,278.77	1,188.63	90.14	14.187	
20,300.00	10,356.95	10,361.15	10,335.90	71.62	36.94	39.735	171.84	-592.69	1,195.43	1,103.81	91.62	13.047	
20,400.00	10,356.07	10,361.06	10,335.82	72.00	36.94	42.675	171.84	-592.69	1,114.84	1,021.50	93.35	11.943	
20,500.00	10,355.20	10,360.98	10,335.73	72.41	36.94	46.061	171.84	-592.69	1,037.64	942.29	95.35	10.883	
20,600.00	10,354.33	10,360.90	10,335.65	72.85	36.94	49.976	171.84	-592.69	964.63	867.00	97.63	9.881	
20,700.00	10,353.45	10,360.81	10,335.57	73.32	36.94	54.506	171.84	-592.69	896.84	796.66	100.19	8.952	
20,800.00	10,352.58	10,360.73	10,335.49	73.81	36.94	59.738	171.84	-592.69	835.55	732.58	102.97	8.115	
20,900.00	10,351.71	10,360.65	10,335.41	74.33	36.94	65.740	171.84	-592.70	782.28	676.43	105.85	7.391	
21,000.00	10,350.84	10,360.57	10,335.33	74.88	36.94	72.530	171.83	-592.70	738.77	630.16	108.61	6.802	
21,081.90	10,350.12	10,360.51	10,335.27	75.34	36.94	78.641	171.83	-592.70	711.67	601.09	110.57	6.436	SF

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - SIDEWINDER SWD #001 - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.00 usft

Survey Program: 985-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	0.00	0.00	0.00	0.00	165.724	-1,601.45	407.50	1,652.49				
100.00	100.00	98.50	98.50	0.26	0.34	165.724	-1,601.45	407.50	1,652.49	1,651.89	0.60	2,760.362	
200.00	200.00	198.50	198.50	0.61	0.69	165.724	-1,601.45	407.50	1,652.49	1,651.18	1.30	1,266.589	
300.00	300.00	298.50	298.50	0.97	1.04	165.724	-1,601.45	407.50	1,652.49	1,650.47	2.01	821.846	
400.00	400.00	398.50	398.50	1.33	1.39	165.724	-1,601.45	407.50	1,652.49	1,649.77	2.72	608.264	
500.00	500.00	498.50	498.50	1.69	1.73	165.724	-1,601.45	407.50	1,652.49	1,649.06	3.42	482.795	
600.00	600.00	598.50	598.50	2.05	2.08	165.724	-1,601.45	407.50	1,652.49	1,648.36	4.13	400.236	
700.00	700.00	698.50	698.50	2.41	2.43	165.724	-1,601.45	407.50	1,652.49	1,647.65	4.83	341.790	
800.00	800.00	798.50	798.50	2.77	2.78	165.724	-1,601.45	407.50	1,652.49	1,646.94	5.54	298.238	
900.00	900.00	898.50	898.50	3.12	3.12	165.724	-1,601.45	407.50	1,652.49	1,646.24	6.25	264.531	
911.46	911.46	909.96	909.96	3.17	3.16	165.724	-1,601.45	407.50	1,652.49	1,646.16	6.33	261.147	
1,000.00	1,000.00	995.64	995.64	3.48	3.46	165.724	-1,601.46	407.50	1,652.50	1,645.55	6.94	238.037	
1,100.00	1,099.99	1,085.35	1,085.34	3.84	3.76	165.725	-1,602.12	407.32	1,653.96	1,646.36	7.60	217.678	
1,200.00	1,199.96	1,185.41	1,185.40	4.20	4.09	165.705	-1,602.97	407.18	1,657.20	1,648.92	8.28	200.080	
1,300.02	1,299.89	1,280.62	1,280.60	4.55	4.41	165.660	-1,603.89	407.15	1,662.20	1,653.24	8.96	185.544	
1,400.00	1,399.73	1,376.00	1,375.98	4.91	4.73	165.604	-1,605.07	407.24	1,668.31	1,658.68	9.64	173.151	
1,500.00	1,499.59	1,474.98	1,474.95	5.27	5.06	165.544	-1,606.40	407.50	1,674.58	1,664.26	10.33	162.134	
1,600.00	1,599.45	1,573.72	1,573.68	5.63	5.40	165.483	-1,607.76	407.80	1,680.90	1,669.87	11.02	152.479	
1,700.00	1,699.31	1,672.53	1,672.48	5.99	5.74	165.427	-1,609.22	408.00	1,687.27	1,675.55	11.72	143.948	
1,800.00	1,799.18	1,770.30	1,770.24	6.35	6.08	165.375	-1,610.77	408.08	1,693.73	1,681.31	12.42	136.401	
1,900.00	1,899.04	1,868.03	1,867.96	6.71	6.42	165.325	-1,612.44	408.18	1,700.32	1,687.20	13.11	129.651	
2,000.00	1,998.90	1,970.10	1,970.01	7.07	6.78	165.269	-1,614.14	408.47	1,706.91	1,693.08	13.83	123.430	
2,100.00	2,098.77	2,066.00	2,065.90	7.43	7.11	165.209	-1,615.74	408.87	1,713.53	1,699.01	14.52	117.995	
2,200.00	2,198.63	2,165.89	2,165.77	7.79	7.46	165.145	-1,617.47	409.44	1,720.27	1,705.04	15.23	112.946	
2,300.00	2,298.49	2,266.71	2,266.57	8.15	7.82	165.073	-1,619.12	410.26	1,726.97	1,711.02	15.94	108.315	
2,400.00	2,398.36	2,365.66	2,365.50	8.52	8.17	164.993	-1,620.66	411.32	1,733.66	1,717.01	16.65	104.118	
2,500.00	2,498.22	2,464.07	2,463.89	8.88	8.51	164.902	-1,622.17	412.74	1,740.44	1,723.08	17.36	100.276	
2,600.00	2,598.08	2,560.87	2,560.66	9.24	8.86	164.791	-1,623.52	414.75	1,747.25	1,729.19	18.06	96.768	
2,700.00	2,697.94	2,653.19	2,652.92	9.60	9.18	164.655	-1,625.06	417.64	1,754.59	1,735.86	18.74	93.634	
2,800.00	2,797.81	2,771.99	2,771.63	9.97	9.60	164.474	-1,626.31	421.93	1,761.50	1,741.98	19.52	90.229	
2,900.00	2,897.67	2,883.02	2,882.63	10.33	10.00	164.325	-1,626.59	424.98	1,767.41	1,747.13	20.28	87.167	
3,000.00	2,997.53	2,985.65	2,985.23	10.69	10.36	164.211	-1,626.77	426.88	1,773.02	1,752.02	21.00	84.434	
3,100.00	3,097.40	3,093.24	3,092.82	11.06	10.74	164.120	-1,626.90	428.07	1,778.39	1,756.65	21.74	81.802	
3,200.00	3,197.26	3,196.92	3,196.50	11.42	11.10	164.053	-1,626.85	428.44	1,783.39	1,760.92	22.46	79.386	
3,300.00	3,297.12	3,312.56	3,312.14	11.78	11.50	163.998	-1,626.23	428.28	1,787.76	1,764.54	23.23	76.973	
3,400.00	3,397.00	3,411.32	3,410.89	12.14	11.84	163.956	-1,625.43	427.78	1,791.42	1,767.49	23.93	74.876	
3,500.00	3,496.95	3,503.98	3,503.55	12.50	12.16	163.930	-1,624.84	427.40	1,793.71	1,769.11	24.60	72.906	
3,600.00	3,596.94	3,589.50	3,589.07	12.86	12.46	163.916	-1,624.85	427.34	1,795.05	1,769.79	25.26	71.072	
3,700.00	3,696.94	3,683.97	3,683.54	13.22	12.79	163.908	-1,625.25	427.72	1,795.65	1,769.70	25.94	69.212	
3,800.00	3,796.94	3,781.85	3,781.42	13.57	13.14	163.885	-1,625.78	428.60	1,796.41	1,769.77	26.65	67.419	
3,900.00	3,896.94	3,891.83	3,891.39	13.93	13.53	163.856	-1,626.09	429.63	1,796.95	1,769.56	27.39	65.601	
4,000.00	3,996.94	4,001.80	4,001.36	14.28	13.91	163.839	-1,625.82	430.13	1,796.83	1,768.70	28.14	63.864	
4,100.00	4,096.94	4,105.39	4,104.95	14.64	14.27	163.837	-1,625.36	430.06	1,796.39	1,767.54	28.85	62.264	
4,200.00	4,196.94	4,204.45	4,204.01	14.99	14.61	163.832	-1,624.80	430.06	1,795.85	1,766.30	29.55	60.771	
4,300.00	4,296.94	4,303.66	4,303.22	15.35	14.96	163.824	-1,624.32	430.19	1,795.42	1,765.16	30.25	59.346	
4,400.00	4,396.94	4,402.57	4,402.12	15.70	15.31	163.807	-1,623.78	430.56	1,795.00	1,764.04	30.96	57.984	
4,500.00	4,496.94	4,495.89	4,495.44	16.06	15.64	163.794	-1,623.46	430.91	1,794.77	1,763.13	31.64	56.722	
4,504.45	4,501.39	4,499.96	4,499.50	16.07	15.65	163.793	-1,623.45	430.92	1,794.77	1,763.10	31.67	56.668	
4,600.00	4,596.94	4,589.91	4,589.46	16.41	15.97	163.782	-1,623.53	431.30	1,794.97	1,762.64	32.33	55.521	
4,700.00	4,696.94	4,685.32	4,684.87	16.77	16.31	163.760	-1,623.76	432.09	1,795.43	1,762.40	33.02	54.370	
4,800.00	4,796.94	4,782.19	4,781.73	17.12	16.65	163.734	-1,624.17	433.08	1,796.12	1,762.39	33.72	53.263	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - SIDEWINDER SWD #001 - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.00 usft

Survey Program: 985-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
4,900.00	4,896.94	4,882.32	4,881.85	17.48	17.00	163.703	-1,624.64	434.24	1,796.90	1,762.46	34.43	52.185	
5,000.00	4,996.94	4,984.98	4,984.51	17.84	17.37	163.667	-1,625.02	435.50	1,797.59	1,762.44	35.15	51.134	
5,100.00	5,096.94	5,084.08	5,083.60	18.19	17.72	163.644	-1,625.40	436.37	1,798.20	1,762.34	35.86	50.142	
5,200.00	5,196.94	5,186.36	5,185.88	18.55	18.08	163.639	-1,625.95	436.71	1,798.81	1,762.24	36.58	49.176	
5,300.00	5,296.94	5,293.08	5,292.59	18.91	18.45	163.648	-1,626.38	436.52	1,799.16	1,761.85	37.31	48.226	
5,400.00	5,396.94	5,393.64	5,393.15	19.26	18.79	163.664	-1,626.65	436.08	1,799.29	1,761.28	38.01	47.339	
5,500.00	5,496.94	5,493.51	5,493.02	19.62	19.14	163.681	-1,626.93	435.62	1,799.42	1,760.72	38.71	46.486	
5,600.00	5,596.94	5,599.92	5,599.43	19.98	19.50	163.696	-1,627.02	435.13	1,799.38	1,759.95	39.43	45.633	
5,700.00	5,696.94	5,698.63	5,698.14	20.33	19.84	163.712	-1,626.98	434.60	1,799.20	1,759.07	40.13	44.837	
5,800.00	5,796.94	5,796.92	5,796.43	20.69	20.18	163.727	-1,627.03	434.14	1,799.11	1,758.28	40.82	44.071	
5,900.00	5,896.94	5,898.56	5,898.07	21.05	20.52	163.745	-1,627.07	433.55	1,798.99	1,757.46	41.53	43.318	
6,000.00	5,996.94	5,997.50	5,997.00	21.40	20.87	163.767	-1,627.17	432.87	1,798.89	1,756.66	42.23	42.599	
6,100.00	6,096.94	6,099.27	6,098.77	21.76	21.22	163.786	-1,627.19	432.26	1,798.74	1,755.80	42.94	41.892	
6,200.00	6,196.94	6,198.78	6,198.27	22.12	21.56	163.812	-1,627.26	431.42	1,798.57	1,754.93	43.64	41.215	
6,300.00	6,296.94	6,299.52	6,299.01	22.47	21.91	163.849	-1,627.43	430.26	1,798.41	1,754.06	44.34	40.555	
6,400.00	6,396.94	6,404.69	6,404.17	22.83	22.27	163.889	-1,627.47	428.96	1,798.11	1,753.04	45.07	39.899	
6,500.00	6,496.94	6,507.73	6,507.20	23.19	22.63	163.931	-1,627.21	427.52	1,797.47	1,751.69	45.78	39.262	
6,600.00	6,596.94	6,605.20	6,604.66	23.55	22.97	163.970	-1,626.99	426.17	1,796.87	1,750.40	46.48	38.662	
6,700.00	6,696.94	6,703.89	6,703.34	23.90	23.31	164.014	-1,626.94	424.72	1,796.42	1,749.24	47.18	38.078	
6,800.00	6,796.94	6,806.59	6,806.03	24.26	23.66	164.063	-1,626.87	423.11	1,795.93	1,748.04	47.89	37.500	
6,900.00	6,896.94	6,907.76	6,907.18	24.62	24.02	164.114	-1,626.69	421.39	1,795.29	1,746.69	48.60	36.939	
7,000.00	6,996.94	7,010.49	7,009.90	24.97	24.37	164.164	-1,626.40	419.69	1,794.57	1,745.25	49.32	36.389	
7,100.00	7,096.94	7,112.62	7,112.02	25.33	24.73	164.210	-1,625.95	418.06	1,793.70	1,743.67	50.03	35.853	
7,200.00	7,196.94	7,209.94	7,209.32	25.69	25.07	164.258	-1,625.55	416.39	1,792.85	1,742.12	50.73	35.343	
7,300.00	7,296.94	7,312.65	7,312.01	26.05	25.42	164.308	-1,625.14	414.66	1,792.00	1,740.56	51.44	34.835	
7,400.00	7,396.94	7,415.11	7,414.46	26.40	25.78	164.358	-1,624.55	412.86	1,790.97	1,738.81	52.16	34.337	
7,500.00	7,496.94	7,508.85	7,508.18	26.76	26.11	164.408	-1,624.19	411.16	1,790.11	1,737.27	52.84	33.875	
7,600.00	7,596.94	7,611.20	7,610.52	27.12	26.47	164.467	-1,623.92	409.14	1,789.33	1,735.77	53.56	33.408	
7,700.00	7,696.94	7,709.76	7,709.05	27.48	26.81	164.525	-1,623.60	407.17	1,788.49	1,734.22	54.26	32.959	
7,800.00	7,796.94	7,805.06	7,804.33	27.83	27.14	164.588	-1,623.60	405.13	1,787.92	1,732.96	54.96	32.534	
7,900.00	7,896.94	7,908.14	7,907.38	28.19	27.51	164.663	-1,623.60	402.73	1,787.29	1,731.61	55.67	32.102	
8,000.00	7,996.94	8,004.59	8,003.81	28.55	27.84	164.734	-1,623.63	400.44	1,786.69	1,730.32	56.37	31.695	
8,100.00	8,096.94	8,100.69	8,099.87	28.91	28.18	164.812	-1,623.98	398.02	1,786.39	1,729.32	57.07	31.304	
8,200.00	8,196.94	8,200.59	8,199.74	29.26	28.53	164.895	-1,624.39	395.45	1,786.11	1,728.33	57.78	30.914	
8,300.00	8,296.94	8,300.66	8,299.78	29.62	28.89	164.979	-1,624.90	392.85	1,785.92	1,727.44	58.49	30.536	
8,400.00	8,396.94	8,402.66	8,401.75	29.98	29.24	165.058	-1,625.19	390.41	1,785.58	1,726.38	59.20	30.160	
8,500.00	8,496.94	8,498.20	8,497.26	30.34	29.58	165.128	-1,625.51	388.21	1,785.31	1,725.41	59.90	29.806	
8,524.00	8,520.94	8,520.45	8,519.51	30.42	29.66	165.144	-1,625.62	387.74	1,785.30	1,725.24	60.06	29.725	
8,600.00	8,596.94	8,591.66	8,590.70	30.70	29.91	165.192	-1,626.10	386.31	1,785.40	1,724.82	60.58	29.470	
8,700.00	8,696.94	8,689.81	8,688.82	31.05	30.26	165.260	-1,626.99	384.36	1,785.77	1,724.49	61.29	29.138	
8,800.00	8,796.94	8,789.53	8,788.52	31.41	30.61	165.328	-1,627.87	382.40	1,786.13	1,724.13	62.00	28.810	
8,900.00	8,896.94	8,887.78	8,886.75	31.77	30.96	165.394	-1,628.81	380.53	1,786.57	1,723.87	62.70	28.494	
9,000.00	8,996.94	8,988.13	8,987.08	32.13	31.31	165.457	-1,629.79	378.73	1,787.06	1,723.65	63.41	28.181	
9,100.00	9,096.94	9,092.11	9,091.05	32.48	31.68	165.516	-1,630.63	377.06	1,787.44	1,723.30	64.14	27.868	
9,200.00	9,196.94	9,192.83	9,191.75	32.84	32.03	165.561	-1,631.18	375.74	1,787.64	1,722.79	64.85	27.565	
9,300.00	9,296.94	9,288.84	9,287.75	33.20	32.37	165.595	-1,631.72	374.80	1,787.95	1,722.40	65.55	27.277	
9,400.00	9,396.94	9,385.38	9,384.29	33.56	32.71	165.611	-1,632.34	374.42	1,788.48	1,722.23	66.25	26.998	
9,500.00	9,496.94	9,486.26	9,485.17	33.92	33.06	165.611	-1,632.94	374.58	1,789.09	1,722.14	66.96	26.721	
9,600.00	9,596.94	9,585.66	9,584.57	34.27	33.41	165.594	-1,633.37	375.25	1,789.68	1,722.02	67.66	26.452	
9,700.00	9,696.94	9,684.00	9,682.90	34.63	33.75	165.572	-1,633.84	376.07	1,790.34	1,721.99	68.35	26.192	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - SIDEWINDER SWD #001 - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.00 usft

Survey Program: 985-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
9,800.00	9,796.94	9,781.40	9,780.30	34.99	34.08	165.549	-1,634.40	376.95	1,791.03	1,721.98	69.05	25.939	
9,900.00	9,896.26	9,881.75	9,880.64	35.30	34.43	165.454	-1,634.98	378.05	1,781.55	1,711.84	69.71	25.555	
10,000.00	9,992.24	9,988.00	9,986.88	35.60	34.80	165.239	-1,635.23	379.32	1,755.01	1,684.63	70.38	24.935	
10,100.00	10,081.98	10,088.18	10,087.05	35.87	35.14	164.911	-1,634.80	380.31	1,711.92	1,640.92	71.00	24.111	
10,200.00	10,162.74	10,168.85	10,167.72	36.11	35.42	164.460	-1,634.25	381.19	1,654.15	1,582.65	71.51	23.133	
10,300.00	10,232.06	10,241.52	10,240.38	36.36	35.67	163.864	-1,633.57	382.23	1,583.64	1,511.70	71.94	22.014	
10,400.00	10,287.85	10,299.97	10,298.82	36.61	35.88	163.121	-1,632.87	383.13	1,502.60	1,430.32	72.28	20.790	
10,500.00	10,328.41	10,342.08	10,340.92	36.86	36.02	162.218	-1,632.26	383.78	1,413.70	1,341.18	72.52	19.495	
10,600.00	10,352.51	10,366.30	10,365.13	37.12	36.10	161.142	-1,631.87	384.17	1,319.86	1,247.19	72.66	18.164	
10,700.00	10,359.50	10,372.03	10,370.86	37.38	36.12	159.882	-1,631.77	384.26	1,224.12	1,151.38	72.74	16.830	
10,800.00	10,359.50	10,370.28	10,369.11	37.68	36.12	158.311	-1,631.80	384.24	1,129.48	1,056.68	72.79	15.516	
10,900.00	10,359.50	10,368.49	10,367.32	38.02	36.11	156.276	-1,631.83	384.21	1,037.18	964.30	72.88	14.231	
11,000.00	10,359.50	10,366.66	10,365.49	38.41	36.11	153.661	-1,631.86	384.18	948.04	875.02	73.02	12.983	
11,100.00	10,359.50	10,364.80	10,363.63	38.85	36.10	150.315	-1,631.90	384.15	863.16	789.92	73.24	11.785	
11,200.00	10,359.50	10,362.93	10,361.76	39.33	36.09	146.163	-1,631.93	384.12	782.87	709.29	73.58	10.640	
11,300.00	10,359.50	10,361.09	10,359.92	39.85	36.09	141.095	-1,631.96	384.09	707.60	633.54	74.07	9.553	
11,400.00	10,359.50	10,359.27	10,358.10	40.42	36.08	134.885	-1,631.99	384.06	639.16	564.40	74.76	8.550	
11,500.00	10,359.50	10,357.47	10,356.30	41.03	36.07	127.299	-1,632.02	384.03	579.94	504.26	75.68	7.663	
11,600.00	10,359.50	10,355.69	10,354.52	41.68	36.07	118.192	-1,632.05	384.00	533.05	456.22	76.82	6.939	
11,700.00	10,359.50	10,353.93	10,352.77	42.37	36.06	107.654	-1,632.08	383.97	501.93	423.88	78.05	6.431	
11,800.00	10,359.50	10,352.20	10,351.03	43.10	36.06	96.168	-1,632.10	383.94	489.62	410.51	79.11	6.189	
11,811.05	10,359.50	10,352.01	10,350.84	43.18	36.06	94.875	-1,632.11	383.94	489.50	410.29	79.21	6.180	CC, ES, SF
11,900.00	10,359.50	10,350.48	10,349.32	43.85	36.05	84.577	-1,632.13	383.91	497.51	417.76	79.75	6.238	
12,000.00	10,359.50	10,348.78	10,347.62	44.65	36.04	73.770	-1,632.16	383.89	524.69	444.80	79.89	6.568	
12,100.00	10,359.50	10,347.11	10,345.94	45.47	36.04	64.323	-1,632.18	383.86	568.40	488.77	79.63	7.138	
12,200.00	10,359.50	10,345.45	10,344.29	46.32	36.03	56.404	-1,632.21	383.83	625.17	546.02	79.16	7.898	
12,300.00	10,360.11	10,344.40	10,343.23	47.20	36.03	49.905	-1,632.23	383.82	691.83	613.20	78.62	8.799	
12,400.00	10,360.98	10,343.61	10,342.45	48.11	36.03	44.603	-1,632.24	383.80	765.77	687.66	78.11	9.804	
12,500.00	10,361.85	10,342.83	10,341.67	49.04	36.02	40.265	-1,632.25	383.79	845.10	767.45	77.65	10.883	
12,600.00	10,362.72	10,342.06	10,340.90	49.99	36.02	36.688	-1,632.26	383.78	928.43	851.17	77.25	12.018	
12,700.00	10,363.59	10,341.30	10,340.13	50.97	36.02	33.709	-1,632.27	383.77	1,014.77	937.85	76.91	13.193	
12,800.00	10,364.46	10,340.54	10,339.38	51.97	36.02	31.204	-1,632.29	383.76	1,103.42	1,026.79	76.63	14.399	
12,900.00	10,365.33	10,339.80	10,338.64	52.99	36.01	29.074	-1,632.30	383.74	1,193.87	1,117.47	76.39	15.628	
13,000.00	10,366.20	10,339.06	10,337.90	54.02	36.01	27.246	-1,632.31	383.73	1,285.73	1,209.53	76.19	16.875	
13,100.00	10,367.07	10,338.33	10,337.17	55.08	36.01	25.664	-1,632.32	383.72	1,378.72	1,302.70	76.02	18.135	
13,200.00	10,367.94	10,337.61	10,336.45	56.15	36.01	24.283	-1,632.33	383.71	1,472.63	1,396.75	75.88	19.407	
13,300.00	10,368.81	10,336.90	10,335.73	57.23	36.00	23.067	-1,632.34	383.70	1,567.30	1,491.53	75.76	20.686	
13,400.00	10,369.68	10,336.19	10,335.03	58.33	36.00	21.991	-1,632.35	383.69	1,662.59	1,586.92	75.67	21.973	
13,500.00	10,370.55	10,335.49	10,334.33	59.44	36.00	21.032	-1,632.36	383.68	1,758.40	1,682.82	75.58	23.264	
13,600.00	10,371.42	10,334.80	10,333.64	60.57	36.00	20.172	-1,632.37	383.67	1,854.65	1,779.14	75.51	24.560	
13,700.00	10,372.29	10,334.12	10,332.96	61.71	35.99	19.397	-1,632.38	383.66	1,951.28	1,875.83	75.46	25.859	
18,800.00	10,370.04	10,331.40	10,330.24	69.47	35.98	71.929	-1,632.42	383.61	1,965.14	1,865.09	100.05	19.641	
18,900.00	10,369.17	10,332.10	10,330.94	69.39	35.99	74.667	-1,632.41	383.62	1,928.35	1,827.34	101.01	19.091	
19,000.00	10,368.29	10,332.81	10,331.64	69.35	35.99	77.504	-1,632.40	383.63	1,896.12	1,794.19	101.92	18.603	
19,100.00	10,367.42	10,333.52	10,332.36	69.34	35.99	80.432	-1,632.39	383.65	1,868.69	1,765.90	102.79	18.180	
19,200.00	10,366.55	10,334.24	10,333.08	69.36	35.99	83.438	-1,632.38	383.66	1,846.28	1,742.70	103.57	17.826	
19,300.00	10,365.68	10,334.97	10,333.80	69.41	36.00	86.510	-1,632.37	383.67	1,829.07	1,724.79	104.27	17.541	
19,400.00	10,364.80	10,335.70	10,334.54	69.49	36.00	89.631	-1,632.36	383.68	1,817.20	1,712.33	104.87	17.328	
19,500.00	10,363.93	10,336.45	10,335.29	69.60	36.00	92.783	-1,632.35	383.69	1,810.79	1,705.44	105.35	17.189	
19,566.32	10,363.35	10,336.95	10,335.79	69.70	36.00	94.882	-1,632.34	383.70	1,809.58	1,703.98	105.60	17.136	
19,600.00	10,363.06	10,337.20	10,336.04	69.75	36.00	95.948	-1,632.34	383.70	1,809.89	1,704.19	105.70	17.123	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - SIDEWINDER SWD #001 - Wellbore #1 - Wellbore #1

Offset Site Error: 0.00 usft

Survey Program: 985-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
19,700.00	10,362.18	10,337.97	10,336.80	69.92	36.01	99.107	-1,632.33	383.72	1,814.51	1,708.58	105.93	17.130	
19,800.00	10,361.31	10,338.74	10,337.57	70.13	36.01	102.240	-1,632.31	383.73	1,824.60	1,718.58	106.02	17.210	
19,900.00	10,360.44	10,339.52	10,338.35	70.37	36.01	105.329	-1,632.30	383.74	1,840.08	1,734.10	105.99	17.361	
20,000.00	10,359.56	10,340.31	10,339.14	70.64	36.01	108.358	-1,632.29	383.75	1,860.82	1,754.98	105.83	17.583	
20,100.00	10,358.69	10,341.11	10,339.94	70.93	36.02	111.312	-1,632.28	383.77	1,886.63	1,781.06	105.56	17.872	
20,200.00	10,357.82	10,341.91	10,340.75	71.26	36.02	114.179	-1,632.27	383.78	1,917.31	1,812.12	105.20	18.226	
20,300.00	10,356.95	10,342.73	10,341.57	71.62	36.02	116.949	-1,632.25	383.79	1,952.64	1,847.90	104.75	18.642	
20,400.00	10,356.07	10,343.56	10,342.40	72.00	36.03	119.614	-1,632.24	383.80	1,992.37	1,888.15	104.22	19.117	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 15 FED COM #707H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 200-MWD+IFR1 — **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
13,100.00	10,367.07	10,198.00	10,068.99	55.08	37.43	-173.261	-4,827.15	-443.96	1,989.73	1,916.03	73.69	27.000	
13,200.00	10,367.94	10,198.00	10,068.99	56.15	37.43	-173.161	-4,827.15	-443.96	1,891.19	1,817.52	73.66	25.673	
13,300.00	10,368.81	10,237.38	10,108.04	57.23	37.55	-172.969	-4,831.14	-446.96	1,790.78	1,716.86	73.93	24.224	
13,400.00	10,369.68	10,240.86	10,111.47	58.33	37.56	-172.831	-4,831.64	-447.29	1,692.19	1,618.26	73.92	22.891	
13,500.00	10,370.55	10,244.66	10,115.21	59.44	37.57	-172.675	-4,832.21	-447.65	1,593.73	1,519.81	73.92	21.560	
13,600.00	10,371.42	10,248.84	10,119.32	60.57	37.58	-172.496	-4,832.87	-448.06	1,495.43	1,421.52	73.91	20.232	
13,700.00	10,372.29	10,253.45	10,123.84	61.71	37.60	-172.290	-4,833.64	-448.52	1,397.32	1,323.41	73.91	18.907	
13,800.00	10,373.17	10,293.00	10,162.23	62.86	37.71	-171.914	-4,841.92	-453.15	1,301.10	1,226.87	74.23	17.528	
13,900.00	10,374.04	10,293.00	10,162.23	64.02	37.71	-171.642	-4,841.92	-453.15	1,202.98	1,128.80	74.18	16.216	
14,000.00	10,374.91	10,293.00	10,162.23	65.19	37.71	-171.321	-4,841.92	-453.15	1,105.20	1,031.08	74.12	14.910	
14,100.00	10,375.78	10,293.00	10,162.23	66.37	37.71	-170.934	-4,841.92	-453.15	1,007.85	933.81	74.04	13.612	
14,200.00	10,376.65	10,293.00	10,162.23	67.57	37.71	-170.460	-4,841.92	-453.15	911.08	837.14	73.94	12.322	
14,300.00	10,377.52	10,293.00	10,162.23	68.77	37.71	-169.865	-4,841.92	-453.15	815.09	741.29	73.80	11.045	
14,400.00	10,378.39	10,293.00	10,162.23	69.97	37.71	-169.098	-4,841.92	-453.15	720.19	646.59	73.60	9.785	
14,500.00	10,379.26	10,325.53	10,193.23	71.19	37.80	-167.791	-4,850.52	-457.92	625.34	551.29	74.05	8.445	
14,600.00	10,380.13	10,343.21	10,209.88	72.42	37.85	-166.118	-4,855.66	-460.93	531.94	457.63	74.31	7.158	
14,700.00	10,381.01	10,363.53	10,228.81	73.64	37.91	-163.862	-4,861.97	-464.76	439.79	365.02	74.77	5.882	
14,800.00	10,381.92	10,388.00	10,251.30	74.85	37.97	-162.528	-4,870.14	-469.88	347.97	273.04	74.93	4.644	
14,900.00	10,382.86	10,423.63	10,283.72	76.01	38.07	-163.827	-4,883.18	-476.82	257.53	183.04	74.49	3.457	
15,000.00	10,383.80	10,460.62	10,317.11	77.10	38.16	-172.830	-4,898.16	-482.09	172.31	99.32	72.99	2.361	
15,100.00	10,384.73	10,494.76	10,347.54	78.09	38.25	155.946	-4,913.31	-485.22	110.44	25.28	85.17	1.297	Level 3
15,136.74	10,385.06	10,506.30	10,357.64	78.42	38.28	137.151	-4,918.85	-485.97	104.00	5.43	98.57	1.055	Level 2, CC, ES, SF
15,200.00	10,385.62	10,525.66	10,374.27	78.98	38.32	109.620	-4,928.70	-486.92	122.28	8.14	114.14	1.071	Level 2
15,300.00	10,386.48	10,553.02	10,397.08	79.75	38.39	90.256	-4,943.78	-487.62	196.56	80.10	116.46	1.688	
15,400.00	10,387.31	10,577.00	10,416.35	80.38	38.45	84.770	-4,958.05	-487.59	289.39	173.90	115.49	2.506	
15,500.00	10,388.08	10,588.20	10,425.16	80.87	38.47	83.065	-4,964.96	-487.42	387.62	272.40	115.22	3.364	
15,600.00	10,388.79	10,594.07	10,429.77	81.21	38.48	83.445	-4,968.60	-487.32	487.22	371.79	115.44	4.221	
15,700.00	10,389.42	10,591.47	10,427.73	81.40	38.48	84.661	-4,966.99	-487.37	586.08	470.27	115.81	5.061	
15,800.00	10,389.94	10,577.00	10,416.35	81.44	38.45	86.159	-4,958.05	-487.59	682.65	566.51	116.14	5.878	
15,900.00	10,390.35	10,577.00	10,416.35	81.33	38.45	89.010	-4,958.05	-487.59	775.73	659.11	116.62	6.652	
16,000.00	10,390.64	10,553.44	10,397.43	81.09	38.39	91.246	-4,944.02	-487.62	864.16	747.36	116.80	7.398	
16,100.00	10,390.81	10,537.79	10,384.49	80.74	38.35	94.180	-4,935.23	-487.32	947.47	830.52	116.95	8.101	
16,200.00	10,390.81	10,521.85	10,371.03	80.30	38.31	97.350	-4,926.71	-486.76	1,024.95	908.00	116.95	8.764	
16,300.00	10,390.64	10,483.00	10,337.13	79.79	38.22	100.135	-4,907.92	-484.31	1,096.73	980.08	116.65	9.402	
16,400.00	10,390.30	10,483.00	10,337.13	79.22	38.22	104.038	-4,907.92	-484.31	1,160.61	1,044.26	116.36	9.975	
16,500.00	10,389.80	10,483.00	10,337.13	78.62	38.22	107.984	-4,907.92	-484.31	1,217.93	1,102.12	115.81	10.517	
16,600.00	10,389.15	10,483.00	10,337.13	78.00	38.22	111.963	-4,907.92	-484.31	1,268.33	1,153.32	115.01	11.028	
16,700.00	10,388.37	10,483.00	10,337.13	77.38	38.22	115.968	-4,907.92	-484.31	1,311.52	1,197.56	113.96	11.509	
16,800.00	10,387.50	10,438.60	10,297.27	76.76	38.11	119.119	-4,889.07	-479.19	1,348.61	1,235.91	112.70	11.966	
16,900.00	10,386.63	10,426.64	10,286.44	76.17	38.07	122.677	-4,884.34	-477.32	1,392.31	1,280.96	111.35	12.504	
17,000.00	10,385.75	10,388.00	10,251.30	75.59	37.97	125.572	-4,870.14	-469.88	1,442.24	1,332.31	109.93	13.120	
17,100.00	10,384.88	10,388.00	10,251.30	75.04	37.97	128.883	-4,870.14	-469.88	1,495.43	1,386.95	108.48	13.785	
17,200.00	10,384.01	10,388.00	10,251.30	74.51	37.97	131.955	-4,870.14	-469.88	1,553.25	1,446.23	107.02	14.513	
17,300.00	10,383.13	10,377.10	10,241.32	74.00	37.94	134.644	-4,866.42	-467.53	1,615.15	1,509.56	105.60	15.296	
17,400.00	10,382.26	10,349.24	10,215.52	73.51	37.87	136.929	-4,857.49	-462.03	1,680.23	1,576.02	104.22	16.122	
17,500.00	10,381.39	10,325.80	10,193.48	73.05	37.80	139.125	-4,850.59	-457.96	1,748.13	1,645.25	102.89	16.991	
17,600.00	10,380.52	10,293.00	10,162.23	72.62	37.71	141.104	-4,841.92	-453.15	1,818.70	1,717.11	101.60	17.901	
17,700.00	10,379.64	10,293.00	10,162.23	72.20	37.71	143.215	-4,841.92	-453.15	1,891.53	1,791.14	100.40	18.841	
17,800.00	10,378.77	10,293.00	10,162.23	71.82	37.71	145.165	-4,841.92	-453.15	1,966.75	1,867.49	99.26	19.814	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 15 FEDERAL COM #706H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 200-MWD+IFR1 — **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
13,100.00	10,367.07	10,105.00	9,903.25	55.08	38.58	174.665	-4,794.86	-33.95	1,985.45	1,910.89	74.56	26.629	
13,200.00	10,367.94	10,105.00	9,903.25	56.15	38.58	174.110	-4,794.86	-33.95	1,890.31	1,815.73	74.58	25.347	
13,300.00	10,368.81	10,105.00	9,903.25	57.23	38.58	173.492	-4,794.86	-33.95	1,795.69	1,721.09	74.61	24.069	
13,400.00	10,369.68	10,105.00	9,903.25	58.33	38.58	172.800	-4,794.86	-33.95	1,701.70	1,627.05	74.65	22.797	
13,500.00	10,370.55	10,105.00	9,903.25	59.44	38.58	172.020	-4,794.86	-33.95	1,608.42	1,533.72	74.70	21.531	
13,600.00	10,371.42	10,105.00	9,903.25	60.57	38.58	171.134	-4,794.86	-33.95	1,516.01	1,441.23	74.78	20.272	
13,700.00	10,372.29	10,105.00	9,903.25	61.71	38.58	170.120	-4,794.86	-33.95	1,424.62	1,349.73	74.89	19.022	
13,800.00	10,373.17	10,136.84	9,933.38	62.86	38.67	169.020	-4,805.13	-33.54	1,333.52	1,258.08	75.44	17.676	
13,900.00	10,374.04	10,151.54	9,947.16	64.02	38.71	167.720	-4,810.25	-33.45	1,243.76	1,167.89	75.87	16.394	
14,000.00	10,374.91	10,167.69	9,962.19	65.19	38.75	166.214	-4,816.15	-33.42	1,155.19	1,078.78	76.41	15.117	
14,100.00	10,375.78	10,200.00	9,991.92	66.37	38.84	164.553	-4,828.81	-33.60	1,068.25	990.93	77.32	13.815	
14,200.00	10,376.65	10,200.00	9,991.92	67.57	38.84	162.343	-4,828.81	-33.60	982.60	904.64	77.96	12.604	
14,300.00	10,377.52	10,200.00	9,991.92	68.77	38.84	159.628	-4,828.81	-33.60	899.91	821.13	78.79	11.422	
14,400.00	10,378.39	10,245.47	10,032.97	69.97	38.96	156.799	-4,848.34	-33.00	818.48	737.74	80.74	10.138	
14,500.00	10,379.26	10,268.23	10,053.15	71.19	39.02	152.988	-4,858.80	-31.89	741.13	658.37	82.76	8.955	
14,600.00	10,380.13	10,295.00	10,076.54	72.42	39.09	148.255	-4,871.67	-29.90	668.14	582.67	85.47	7.817	
14,700.00	10,381.01	10,295.00	10,076.54	73.64	39.09	141.452	-4,871.67	-29.90	602.83	514.60	88.22	6.833	
14,800.00	10,381.92	10,339.68	10,114.14	74.85	39.20	133.379	-4,895.36	-25.47	553.55	459.74	93.82	5.900	
14,900.00	10,382.86	10,365.38	10,134.70	76.01	39.27	122.923	-4,910.48	-22.47	529.94	429.97	99.98	5.301	
14,936.30	10,383.20	10,389.00	10,152.85	76.40	39.33	119.840	-4,925.29	-19.44	528.82	426.11	102.70	5.149	CC, ES
15,000.00	10,383.80	10,389.00	10,152.85	77.10	39.33	112.205	-4,925.29	-19.44	535.35	429.41	105.94	5.053	SF
15,100.00	10,384.73	10,428.83	10,182.33	78.09	39.42	104.254	-4,951.55	-14.21	568.79	457.72	111.07	5.121	
15,200.00	10,385.62	10,461.52	10,205.78	78.98	39.49	98.263	-4,973.94	-10.08	625.71	511.40	114.31	5.474	
15,300.00	10,386.48	10,484.00	10,221.51	79.75	39.55	93.961	-4,989.77	-7.31	700.29	584.24	116.05	6.034	
15,400.00	10,387.31	10,504.37	10,235.43	80.38	39.59	91.493	-5,004.44	-4.84	786.99	669.94	117.05	6.724	
15,500.00	10,388.08	10,512.04	10,240.57	80.87	39.60	89.895	-5,010.05	-3.91	881.17	763.71	117.46	7.502	
15,600.00	10,388.79	10,509.92	10,239.16	81.21	39.60	89.075	-5,008.49	-4.17	979.09	861.51	117.58	8.327	
15,700.00	10,389.42	10,497.87	10,231.03	81.40	39.57	88.830	-4,999.72	-5.63	1,077.74	960.22	117.52	9.171	
15,800.00	10,389.94	10,475.09	10,215.32	81.44	39.53	88.997	-4,983.46	-8.40	1,174.61	1,057.31	117.30	10.013	
15,900.00	10,390.35	10,439.53	10,190.08	81.33	39.44	89.420	-4,958.80	-12.85	1,267.53	1,150.60	116.93	10.840	
16,000.00	10,390.64	10,396.12	10,158.19	81.09	39.35	90.201	-4,929.90	-18.49	1,354.69	1,238.20	116.49	11.629	
16,100.00	10,390.81	10,389.00	10,152.85	80.74	39.33	92.396	-4,925.29	-19.44	1,435.27	1,318.71	116.56	12.314	
16,200.00	10,390.81	10,345.55	10,118.91	80.30	39.22	93.989	-4,898.72	-24.81	1,507.98	1,391.86	116.12	12.986	
16,300.00	10,390.64	10,323.28	10,100.60	79.79	39.16	96.358	-4,886.27	-27.21	1,573.07	1,457.18	115.90	13.573	
16,400.00	10,390.30	10,295.00	10,076.54	79.22	39.09	98.817	-4,871.67	-29.90	1,629.83	1,514.30	115.52	14.108	
16,500.00	10,389.80	10,295.00	10,076.54	78.62	39.09	101.891	-4,871.67	-29.90	1,677.85	1,562.55	115.31	14.551	
16,600.00	10,389.15	10,295.00	10,076.54	78.00	39.09	105.033	-4,871.67	-29.90	1,717.38	1,602.45	114.93	14.943	
16,700.00	10,388.37	10,255.56	10,041.95	77.38	38.99	107.656	-4,852.92	-32.57	1,746.62	1,632.52	114.10	15.307	
16,800.00	10,387.50	10,241.98	10,029.85	76.76	38.95	110.689	-4,846.77	-33.12	1,771.09	1,657.73	113.35	15.625	
16,900.00	10,386.63	10,200.00	9,991.92	76.17	38.84	113.288	-4,828.81	-33.60	1,800.80	1,688.48	112.33	16.032	
17,000.00	10,385.75	10,200.00	9,991.92	75.59	38.84	116.328	-4,828.81	-33.60	1,833.86	1,722.36	111.51	16.446	
17,100.00	10,384.88	10,200.00	9,991.92	75.04	38.84	119.246	-4,828.81	-33.60	1,871.69	1,761.08	110.61	16.922	
17,200.00	10,384.01	10,200.00	9,991.92	74.51	38.84	122.035	-4,828.81	-33.60	1,914.00	1,804.35	109.65	17.455	
17,300.00	10,383.13	10,165.36	9,960.03	74.00	38.75	124.356	-4,815.28	-33.42	1,959.92	1,851.40	108.51	18.062	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 15 FEDERAL COM #710H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 200-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
13,000.00	10,366.20	10,577.00	10,388.36	54.02	44.64	178.467	-4,754.90	-151.80	1,980.53	1,898.73	81.80	24.213	
13,100.00	10,367.07	10,577.00	10,388.36	55.08	44.64	178.127	-4,754.90	-151.80	1,881.18	1,799.32	81.87	22.978	
13,200.00	10,367.94	10,577.00	10,388.36	56.15	44.64	177.750	-4,754.90	-151.80	1,781.92	1,699.97	81.95	21.744	
13,300.00	10,368.81	10,577.00	10,388.36	57.23	44.64	177.327	-4,754.90	-151.80	1,682.73	1,600.69	82.04	20.510	
13,400.00	10,369.68	10,577.00	10,388.36	58.33	44.64	176.852	-4,754.90	-151.80	1,583.66	1,501.50	82.15	19.277	
13,500.00	10,370.55	10,577.00	10,388.36	59.44	44.64	176.314	-4,754.90	-151.80	1,484.70	1,402.42	82.28	18.044	
13,600.00	10,371.42	10,577.00	10,388.36	60.57	44.64	175.698	-4,754.90	-151.80	1,385.89	1,303.46	82.43	16.812	
13,700.00	10,372.29	10,577.00	10,388.36	61.71	44.64	174.988	-4,754.90	-151.80	1,287.27	1,204.65	82.62	15.581	
13,800.00	10,373.17	10,577.00	10,388.36	62.86	44.64	174.161	-4,754.90	-151.80	1,188.88	1,106.03	82.85	14.350	
13,900.00	10,374.04	10,577.00	10,388.36	64.02	44.64	173.184	-4,754.90	-151.80	1,090.78	1,007.64	83.14	13.120	
14,000.00	10,374.91	10,577.00	10,388.36	65.19	44.64	172.015	-4,754.90	-151.80	993.07	909.55	83.52	11.891	
14,100.00	10,375.78	10,577.00	10,388.36	66.37	44.64	170.592	-4,754.90	-151.80	895.85	811.84	84.01	10.663	
14,200.00	10,376.65	10,577.00	10,388.36	67.57	44.64	168.823	-4,754.90	-151.80	799.32	714.63	84.69	9.438	
14,300.00	10,377.52	10,577.00	10,388.36	68.77	44.64	166.571	-4,754.90	-151.80	703.77	618.12	85.65	8.217	
14,400.00	10,378.39	10,577.00	10,388.36	69.97	44.64	163.618	-4,754.90	-151.80	609.64	522.60	87.04	7.004	
14,500.00	10,379.26	10,577.00	10,388.36	71.19	44.64	159.603	-4,754.90	-151.80	517.71	428.59	89.12	5.809	
14,600.00	10,380.13	10,577.00	10,388.36	72.42	44.64	153.898	-4,754.90	-151.80	429.42	337.07	92.35	4.650	
14,700.00	10,381.01	10,577.00	10,388.36	73.64	44.64	145.163	-4,754.90	-151.80	348.67	251.20	97.47	3.577	
14,800.00	10,381.92	10,577.00	10,388.36	74.85	44.64	130.368	-4,754.90	-151.80	291.80	186.38	105.42	2.768	
14,879.35	10,382.67	10,577.00	10,388.36	75.77	44.64	114.628	-4,754.90	-151.80	276.09	164.54	111.55	2.475	CC
14,900.00	10,382.86	10,577.00	10,388.36	76.01	44.64	110.356	-4,754.90	-151.80	277.19	164.50	112.69	2.460	ES, SF
15,000.00	10,383.80	10,579.63	10,390.99	77.10	44.65	91.944	-4,754.89	-151.79	311.14	196.34	114.80	2.710	
15,100.00	10,384.73	10,580.17	10,391.53	78.09	44.65	79.913	-4,754.89	-151.78	380.30	266.53	113.76	3.343	
15,200.00	10,385.62	10,580.78	10,392.14	78.98	44.66	73.457	-4,754.89	-151.78	468.18	355.74	112.43	4.164	
15,300.00	10,386.48	10,581.48	10,392.83	79.75	44.66	70.550	-4,754.89	-151.78	564.61	452.95	111.67	5.056	
15,400.00	10,387.31	10,582.22	10,393.57	80.38	44.66	69.788	-4,754.89	-151.77	664.18	552.73	111.46	5.959	
15,500.00	10,388.08	10,582.91	10,394.26	80.87	44.66	70.359	-4,754.89	-151.77	763.83	652.19	111.64	6.842	
15,600.00	10,388.79	10,583.42	10,394.78	81.21	44.66	71.794	-4,754.89	-151.77	861.65	749.57	112.08	7.688	
15,700.00	10,389.42	10,583.66	10,395.02	81.40	44.66	73.815	-4,754.90	-151.77	956.29	843.64	112.65	8.489	
15,800.00	10,389.94	10,583.62	10,394.98	81.44	44.66	76.245	-4,754.90	-151.77	1,046.73	933.45	113.28	9.240	
15,900.00	10,390.35	10,583.34	10,394.70	81.33	44.66	78.973	-4,754.89	-151.77	1,132.15	1,018.23	113.92	9.938	
16,000.00	10,390.64	10,582.93	10,394.29	81.09	44.66	81.920	-4,754.89	-151.77	1,211.84	1,097.32	114.52	10.582	
16,100.00	10,390.81	10,582.45	10,393.81	80.74	44.66	85.033	-4,754.89	-151.77	1,285.22	1,170.16	115.06	11.170	
16,200.00	10,390.81	10,581.95	10,393.30	80.30	44.66	88.273	-4,754.89	-151.78	1,351.76	1,236.25	115.51	11.703	
16,300.00	10,390.64	10,577.00	10,388.36	79.79	44.64	91.611	-4,754.90	-151.80	1,411.00	1,295.16	115.84	12.181	
16,400.00	10,390.30	10,577.00	10,388.36	79.22	44.64	95.025	-4,754.90	-151.80	1,462.54	1,346.50	116.04	12.604	
16,500.00	10,389.80	10,577.00	10,388.36	78.62	44.64	98.498	-4,754.90	-151.80	1,506.05	1,389.94	116.10	12.972	
16,600.00	10,389.15	10,577.00	10,388.36	78.00	44.64	102.014	-4,754.90	-151.80	1,541.24	1,425.23	116.01	13.286	
16,700.00	10,388.37	10,577.00	10,388.36	77.38	44.64	105.563	-4,754.90	-151.80	1,567.91	1,452.15	115.76	13.544	
16,800.00	10,387.50	10,577.00	10,388.36	76.76	44.64	109.103	-4,754.90	-151.80	1,589.97	1,474.61	115.36	13.783	
16,900.00	10,386.63	10,577.00	10,388.36	76.17	44.64	112.539	-4,754.90	-151.80	1,617.45	1,502.62	114.83	14.086	
17,000.00	10,385.75	10,577.00	10,388.36	75.59	44.64	115.848	-4,754.90	-151.80	1,650.54	1,536.36	114.18	14.456	
17,100.00	10,384.88	10,577.00	10,388.36	75.04	44.64	119.017	-4,754.90	-151.80	1,688.91	1,575.48	113.43	14.889	
17,200.00	10,384.01	10,577.00	10,388.36	74.51	44.64	122.037	-4,754.90	-151.80	1,732.21	1,619.60	112.61	15.382	
17,300.00	10,383.13	10,577.00	10,388.36	74.00	44.64	124.902	-4,754.90	-151.80	1,780.09	1,668.35	111.73	15.932	
17,400.00	10,382.26	10,577.00	10,388.36	73.51	44.64	127.610	-4,754.90	-151.80	1,832.17	1,721.35	110.82	16.533	
17,500.00	10,381.39	10,577.00	10,388.36	73.05	44.64	130.163	-4,754.90	-151.80	1,888.12	1,778.23	109.88	17.183	
17,600.00	10,380.52	10,577.00	10,388.36	72.62	44.64	132.565	-4,754.90	-151.80	1,947.60	1,838.65	108.94	17.877	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #701H - Wellbore #1 - Surveys

Offset Site Error: 0.00 usft

Survey Program: 200-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
13,500.00	10,370.55	10,450.80	10,431.47	59.44	36.39	168.504	-5,168.16	138.13	1,935.16	1,859.65	75.50	25.630	
13,600.00	10,371.42	10,447.93	10,428.61	60.57	36.38	167.625	-5,168.27	138.15	1,839.47	1,763.58	75.89	24.237	
13,700.00	10,372.29	10,445.04	10,425.72	61.71	36.37	166.651	-5,168.38	138.16	1,744.27	1,667.91	76.35	22.844	
13,800.00	10,373.17	10,442.13	10,422.81	62.86	36.36	165.564	-5,168.50	138.18	1,649.62	1,572.72	76.90	21.451	
13,900.00	10,374.04	10,439.20	10,419.88	64.02	36.35	164.345	-5,168.61	138.20	1,555.64	1,478.09	77.55	20.059	
14,000.00	10,374.91	10,436.24	10,416.93	65.19	36.34	162.971	-5,168.73	138.21	1,462.45	1,384.12	78.33	18.670	
14,100.00	10,375.78	10,433.27	10,413.96	66.37	36.33	161.411	-5,168.85	138.23	1,370.22	1,290.95	79.27	17.285	
14,200.00	10,376.65	10,430.27	10,410.96	67.57	36.32	159.627	-5,168.97	138.24	1,279.15	1,198.74	80.41	15.908	
14,300.00	10,377.52	10,427.25	10,407.94	68.77	36.31	157.572	-5,169.09	138.25	1,189.50	1,107.72	81.79	14.544	
14,400.00	10,378.39	10,424.20	10,404.90	69.97	36.30	155.185	-5,169.21	138.27	1,101.64	1,018.16	83.47	13.197	
14,500.00	10,379.26	10,421.14	10,401.84	71.19	36.29	152.392	-5,169.33	138.28	1,016.00	930.47	85.53	11.878	
14,600.00	10,380.13	10,418.05	10,398.75	72.42	36.27	149.093	-5,169.46	138.29	933.22	845.17	88.05	10.599	
14,700.00	10,381.01	10,414.96	10,395.66	73.64	36.26	145.080	-5,169.58	138.31	855.28	764.11	91.17	9.381	
14,800.00	10,381.92	10,412.02	10,392.72	74.85	36.25	139.679	-5,169.70	138.32	792.36	697.01	95.35	8.310	
14,900.00	10,382.86	10,409.32	10,390.03	76.01	36.24	132.914	-5,169.81	138.33	751.30	650.89	100.41	7.482	
15,000.00	10,383.80	10,406.92	10,387.63	77.10	36.24	125.299	-5,169.90	138.33	736.73	631.12	105.61	6.976	CC
15,004.45	10,383.85	10,406.82	10,387.53	77.14	36.24	124.953	-5,169.91	138.33	736.74	630.91	105.83	6.962	ES
15,100.00	10,384.73	10,404.88	10,385.59	78.09	36.23	117.673	-5,169.99	138.34	750.55	640.46	110.09	6.818	SF
15,200.00	10,385.62	10,403.25	10,383.96	78.98	36.22	110.880	-5,170.05	138.35	790.98	677.64	113.33	6.979	
15,300.00	10,386.48	10,402.10	10,382.82	79.75	36.22	105.442	-5,170.10	138.35	853.40	738.05	115.35	7.398	
15,400.00	10,387.31	10,401.50	10,382.22	80.38	36.22	101.496	-5,170.12	138.35	932.16	815.69	116.47	8.003	
15,500.00	10,388.08	10,401.46	10,382.18	80.87	36.22	98.922	-5,170.13	138.35	1,021.92	904.88	117.04	8.731	
15,600.00	10,388.79	10,402.00	10,382.71	81.21	36.22	97.503	-5,170.10	138.35	1,118.24	1,000.95	117.30	9.534	
15,700.00	10,389.42	10,403.11	10,383.82	81.40	36.22	97.010	-5,170.06	138.35	1,217.64	1,100.26	117.38	10.374	
15,800.00	10,389.94	10,404.78	10,385.49	81.44	36.23	97.249	-5,169.99	138.34	1,317.39	1,200.04	117.35	11.226	
15,900.00	10,390.35	10,406.97	10,387.68	81.33	36.24	98.061	-5,169.90	138.33	1,415.38	1,298.13	117.25	12.072	
16,000.00	10,390.64	10,409.64	10,390.35	81.09	36.25	99.322	-5,169.79	138.32	1,509.92	1,392.85	117.07	12.898	
16,100.00	10,390.81	10,412.72	10,393.42	80.74	36.26	100.938	-5,169.67	138.31	1,599.63	1,482.82	116.81	13.695	
16,200.00	10,390.81	10,416.10	10,396.80	80.30	36.27	102.834	-5,169.53	138.30	1,683.39	1,566.93	116.46	14.454	
16,300.00	10,390.64	10,419.69	10,400.39	79.79	36.28	104.953	-5,169.39	138.29	1,760.27	1,644.25	116.02	15.172	
16,400.00	10,390.30	10,423.38	10,404.08	79.22	36.29	107.250	-5,169.24	138.27	1,829.46	1,713.99	115.47	15.843	
16,500.00	10,389.80	10,427.09	10,407.79	78.62	36.31	109.688	-5,169.09	138.25	1,890.31	1,775.51	114.81	16.465	
16,600.00	10,389.15	10,430.72	10,411.41	78.00	36.32	112.236	-5,168.95	138.24	1,942.27	1,828.25	114.02	17.034	
16,700.00	10,388.37	10,434.18	10,414.87	77.38	36.33	114.870	-5,168.81	138.22	1,984.89	1,871.77	113.12	17.547	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #702H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 200-MWD — **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
13,500.00	10,370.55	10,382.96	10,355.40	59.44	36.26	-178.670	-5,179.64	-291.51	1,906.92	1,833.66	73.26	26.029	
13,600.00	10,371.42	10,384.38	10,356.82	60.57	36.27	-178.868	-5,179.65	-291.46	1,807.14	1,733.82	73.32	24.648	
13,700.00	10,372.29	10,385.82	10,358.26	61.71	36.27	-179.088	-5,179.66	-291.42	1,707.38	1,634.00	73.38	23.269	
13,800.00	10,373.17	10,387.28	10,359.71	62.86	36.28	-179.336	-5,179.68	-291.38	1,607.65	1,534.21	73.44	21.891	
13,900.00	10,374.04	10,388.74	10,361.18	64.02	36.28	-179.617	-5,179.69	-291.33	1,507.95	1,434.44	73.51	20.513	
14,000.00	10,374.91	10,390.23	10,362.66	65.19	36.29	-179.937	-5,179.71	-291.29	1,408.30	1,334.71	73.59	19.137	
14,100.00	10,375.78	10,391.73	10,364.16	66.37	36.29	179.693	-5,179.72	-291.24	1,308.69	1,235.01	73.68	17.761	
14,200.00	10,376.65	10,393.24	10,365.67	67.57	36.30	179.263	-5,179.74	-291.19	1,209.15	1,135.36	73.79	16.386	
14,300.00	10,377.52	10,394.77	10,367.21	68.77	36.30	178.756	-5,179.75	-291.15	1,109.70	1,035.77	73.92	15.012	
14,400.00	10,378.39	10,396.32	10,368.75	69.97	36.31	178.149	-5,179.77	-291.10	1,010.34	936.26	74.08	13.638	
14,500.00	10,379.26	10,397.89	10,370.32	71.19	36.31	177.410	-5,179.78	-291.06	911.12	836.83	74.29	12.264	
14,600.00	10,380.13	10,399.47	10,371.89	72.42	36.32	176.490	-5,179.80	-291.01	812.10	737.53	74.57	10.891	
14,700.00	10,381.01	10,401.02	10,373.45	73.64	36.32	175.176	-5,179.81	-290.96	713.67	638.67	75.00	9.516	
14,800.00	10,381.92	10,402.24	10,374.66	74.85	36.33	172.284	-5,179.83	-290.93	619.59	543.48	76.11	8.141	
14,900.00	10,382.86	10,403.04	10,375.46	76.01	36.33	166.960	-5,179.83	-290.91	535.22	456.43	78.80	6.793	
15,000.00	10,383.80	10,403.40	10,375.82	77.10	36.33	158.466	-5,179.84	-290.90	468.28	383.89	84.39	5.549	
15,100.00	10,384.73	10,403.29	10,375.72	78.09	36.33	146.710	-5,179.84	-290.90	428.82	335.51	93.31	4.596	
15,158.55	10,385.26	10,403.02	10,375.44	78.61	36.33	138.871	-5,179.83	-290.91	422.22	323.00	99.22	4.255	CC
15,200.00	10,385.62	10,402.72	10,375.14	78.98	36.33	133.284	-5,179.83	-290.92	425.54	322.36	103.18	4.124	ES, SF
15,300.00	10,386.48	10,401.70	10,374.12	79.75	36.32	121.070	-5,179.82	-290.95	459.29	348.73	110.56	4.154	
15,400.00	10,387.31	10,400.25	10,372.68	80.38	36.32	111.986	-5,179.81	-290.99	522.28	407.70	114.58	4.558	
15,500.00	10,388.08	10,398.39	10,370.82	80.87	36.31	106.164	-5,179.79	-291.04	604.29	487.90	116.39	5.192	
15,600.00	10,388.79	10,396.16	10,368.59	81.21	36.31	102.909	-5,179.76	-291.11	697.12	580.01	117.11	5.953	
15,700.00	10,389.42	10,393.58	10,366.02	81.40	36.30	101.486	-5,179.74	-291.18	795.27	677.91	117.36	6.776	
15,800.00	10,389.94	10,390.73	10,363.16	81.44	36.29	101.341	-5,179.71	-291.27	895.12	777.75	117.37	7.626	
15,900.00	10,390.35	10,387.65	10,360.08	81.33	36.28	102.096	-5,179.68	-291.36	994.21	876.96	117.25	8.480	
16,000.00	10,390.64	10,384.43	10,356.87	81.09	36.27	103.495	-5,179.65	-291.46	1,090.78	973.78	117.00	9.323	
16,100.00	10,390.81	10,381.16	10,353.60	80.74	36.26	105.366	-5,179.62	-291.56	1,183.51	1,066.88	116.63	10.147	
16,200.00	10,390.81	10,377.88	10,350.33	80.30	36.25	107.588	-5,179.59	-291.67	1,271.33	1,155.20	116.13	10.947	
16,300.00	10,390.64	10,374.70	10,347.14	79.79	36.23	110.077	-5,179.56	-291.77	1,353.37	1,237.89	115.48	11.719	
16,400.00	10,390.30	10,371.69	10,344.13	79.22	36.22	112.770	-5,179.53	-291.87	1,428.91	1,314.23	114.68	12.460	
16,500.00	10,389.80	10,368.95	10,341.39	78.62	36.22	115.623	-5,179.51	-291.96	1,497.32	1,383.60	113.72	13.167	
16,600.00	10,389.15	10,366.55	10,339.00	78.00	36.21	118.599	-5,179.49	-292.03	1,558.07	1,445.47	112.60	13.838	
16,700.00	10,388.37	10,364.57	10,337.02	77.38	36.20	121.671	-5,179.47	-292.10	1,610.71	1,499.39	111.32	14.469	
16,800.00	10,387.50	10,362.92	10,335.37	76.76	36.20	124.750	-5,179.46	-292.16	1,658.57	1,548.64	109.92	15.088	
16,900.00	10,386.63	10,361.31	10,333.76	76.17	36.19	127.658	-5,179.44	-292.21	1,710.52	1,602.03	108.50	15.766	
17,000.00	10,385.75	10,359.72	10,332.17	75.59	36.18	130.388	-5,179.43	-292.26	1,766.61	1,659.55	107.06	16.501	
17,100.00	10,384.88	10,358.15	10,330.60	75.04	36.18	132.944	-5,179.41	-292.32	1,826.46	1,720.82	105.64	17.289	
17,200.00	10,384.01	10,356.60	10,329.05	74.51	36.17	135.333	-5,179.40	-292.37	1,889.71	1,785.45	104.25	18.126	
17,300.00	10,383.13	10,355.06	10,327.51	74.00	36.17	137.564	-5,179.39	-292.42	1,956.02	1,853.11	102.91	19.007	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #704H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 218-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
13,600.00	10,371.42	10,419.86	10,408.69	60.57	36.18	-164.701	-5,241.60	-766.92	1,937.68	1,863.18	74.50	26.009	
13,700.00	10,372.29	10,418.64	10,407.47	61.71	36.17	-164.138	-5,241.63	-766.92	1,839.43	1,764.71	74.72	24.618	
13,800.00	10,373.17	10,417.41	10,406.25	62.86	36.17	-163.511	-5,241.65	-766.91	1,741.37	1,666.40	74.97	23.226	
13,900.00	10,374.04	10,416.18	10,405.02	64.02	36.16	-162.810	-5,241.68	-766.90	1,643.55	1,568.27	75.27	21.834	
14,000.00	10,374.91	10,414.95	10,403.79	65.19	36.16	-162.020	-5,241.71	-766.90	1,546.00	1,470.37	75.63	20.442	
14,100.00	10,375.78	10,413.72	10,402.56	66.37	36.15	-161.123	-5,241.73	-766.89	1,448.79	1,372.73	76.05	19.050	
14,200.00	10,376.65	10,412.49	10,401.33	67.57	36.15	-160.098	-5,241.76	-766.89	1,351.98	1,275.41	76.57	17.657	
14,300.00	10,377.52	10,411.25	10,400.09	68.77	36.14	-158.916	-5,241.79	-766.88	1,255.67	1,178.47	77.20	16.265	
14,400.00	10,378.39	10,410.01	10,398.85	69.97	36.14	-157.537	-5,241.81	-766.87	1,159.99	1,082.00	77.98	14.875	
14,500.00	10,379.26	10,408.77	10,397.61	71.19	36.14	-155.912	-5,241.84	-766.87	1,065.09	986.12	78.97	13.488	
14,600.00	10,380.13	10,407.53	10,396.37	72.42	36.13	-153.971	-5,241.87	-766.86	971.22	891.00	80.22	12.107	
14,700.00	10,381.01	10,406.30	10,395.14	73.64	36.13	-151.724	-5,241.89	-766.86	878.04	796.28	81.77	10.738	
14,800.00	10,381.92	10,405.23	10,394.07	74.85	36.12	-149.845	-5,241.92	-766.85	781.91	698.78	83.13	9.405	
14,900.00	10,382.86	10,404.35	10,393.19	76.01	36.12	-148.668	-5,241.94	-766.85	683.15	599.12	84.03	8.130	
15,000.00	10,383.80	10,403.69	10,392.53	77.10	36.12	-148.570	-5,241.95	-766.84	583.25	499.12	84.14	6.932	
15,100.00	10,384.73	10,403.27	10,392.11	78.09	36.12	-150.217	-5,241.96	-766.84	484.52	401.54	82.98	5.839	
15,200.00	10,385.62	10,403.09	10,391.93	78.98	36.12	-154.828	-5,241.96	-766.84	390.95	311.01	79.95	4.890	
15,300.00	10,386.48	10,403.20	10,392.04	79.75	36.12	-164.546	-5,241.96	-766.84	310.34	234.98	75.36	4.118	
15,400.00	10,387.31	10,403.59	10,392.43	80.38	36.12	178.174	-5,241.95	-766.84	257.78	181.43	76.34	3.377	
15,459.09	10,387.77	10,403.96	10,392.80	80.67	36.12	164.937	-5,241.94	-766.84	248.29	164.13	84.16	2.950 CC	
15,500.00	10,388.08	10,404.26	10,393.10	80.87	36.12	155.632	-5,241.94	-766.85	252.88	161.63	91.25	2.771 ES, SF	
15,600.00	10,388.79	10,405.20	10,394.04	81.21	36.12	136.956	-5,241.92	-766.85	298.10	192.82	105.28	2.831	
15,700.00	10,389.42	10,406.37	10,395.21	81.40	36.13	126.010	-5,241.89	-766.86	374.99	263.14	111.86	3.352	
15,800.00	10,389.94	10,407.75	10,396.59	81.44	36.13	120.661	-5,241.86	-766.86	466.94	352.55	114.39	4.082	
15,900.00	10,390.35	10,409.30	10,398.14	81.33	36.14	118.589	-5,241.83	-766.87	565.09	449.85	115.23	4.904	
16,000.00	10,390.64	10,410.99	10,399.83	81.09	36.14	118.432	-5,241.79	-766.88	664.96	549.67	115.30	5.767	
16,100.00	10,390.81	10,412.78	10,401.62	80.74	36.15	119.447	-5,241.75	-766.89	764.05	649.14	114.90	6.649	
16,200.00	10,390.81	10,414.59	10,403.43	80.30	36.16	121.219	-5,241.71	-766.90	860.74	746.55	114.19	7.538	
16,300.00	10,390.64	10,416.38	10,405.22	79.79	36.16	123.503	-5,241.68	-766.90	953.87	840.67	113.20	8.426	
16,400.00	10,390.30	10,418.11	10,406.94	79.22	36.17	126.145	-5,241.64	-766.91	1,042.54	930.57	111.97	9.311	
16,500.00	10,389.80	10,419.73	10,408.57	78.62	36.17	129.047	-5,241.60	-766.92	1,126.01	1,015.49	110.52	10.188	
16,600.00	10,389.15	10,421.22	10,410.06	78.00	36.18	132.142	-5,241.57	-766.93	1,203.63	1,094.77	108.86	11.056	
16,700.00	10,388.37	10,422.55	10,411.38	77.38	36.18	135.383	-5,241.54	-766.93	1,274.86	1,167.83	107.03	11.911	
16,800.00	10,387.50	10,423.73	10,412.57	76.76	36.19	138.616	-5,241.52	-766.94	1,342.32	1,237.22	105.10	12.771	
16,900.00	10,386.63	10,424.91	10,413.74	76.17	36.19	141.546	-5,241.49	-766.94	1,413.31	1,310.04	103.28	13.685	
17,000.00	10,385.75	10,426.08	10,414.92	75.59	36.20	144.190	-5,241.47	-766.95	1,487.64	1,386.07	101.57	14.647	
17,100.00	10,384.88	10,427.26	10,416.09	75.04	36.20	146.577	-5,241.44	-766.95	1,564.83	1,464.85	99.98	15.652	
17,200.00	10,384.01	10,428.43	10,417.26	74.51	36.21	148.737	-5,241.42	-766.96	1,644.47	1,545.96	98.52	16.692	
17,300.00	10,383.13	10,429.59	10,418.43	74.00	36.21	150.695	-5,241.39	-766.96	1,726.24	1,629.06	97.17	17.764	
17,400.00	10,382.26	10,430.76	10,419.59	73.51	36.21	152.474	-5,241.37	-766.97	1,809.84	1,713.89	95.94	18.863	
17,500.00	10,381.39	10,431.92	10,420.76	73.05	36.22	154.094	-5,241.34	-766.97	1,895.02	1,800.20	94.82	19.985	
17,600.00	10,380.52	10,433.09	10,421.92	72.62	36.22	155.574	-5,241.32	-766.98	1,981.59	1,887.80	93.79	21.128	

MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #705H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 128-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
14,100.00	10,375.78	10,434.09	10,343.09	66.37	40.89	-134.436	-5,266.27	-1,721.14	1,993.02	1,901.31	91.71	21.733	
14,200.00	10,376.65	10,435.50	10,344.50	67.57	40.90	-132.488	-5,266.27	-1,721.17	1,918.33	1,825.06	93.27	20.567	
14,300.00	10,377.52	10,436.92	10,345.92	68.77	40.90	-130.384	-5,266.28	-1,721.19	1,846.04	1,751.06	94.98	19.437	
14,400.00	10,378.39	10,438.36	10,347.36	69.97	40.91	-128.113	-5,266.28	-1,721.22	1,776.43	1,679.61	96.82	18.348	
14,500.00	10,379.26	10,439.82	10,348.82	71.19	40.91	-125.660	-5,266.28	-1,721.25	1,709.84	1,611.04	98.80	17.306	
14,600.00	10,380.13	10,441.29	10,350.29	72.42	40.92	-123.014	-5,266.29	-1,721.28	1,646.63	1,545.72	100.91	16.317	
14,700.00	10,381.01	10,442.83	10,351.83	73.64	40.92	-120.200	-5,266.29	-1,721.31	1,585.80	1,482.68	103.12	15.379	
14,800.00	10,381.92	10,444.68	10,353.68	74.85	40.93	-117.469	-5,266.30	-1,721.34	1,518.67	1,413.47	105.20	14.436	
14,900.00	10,382.86	10,446.87	10,355.87	76.01	40.93	-114.895	-5,266.31	-1,721.39	1,444.14	1,337.05	107.09	13.485	
15,000.00	10,383.80	10,449.31	10,358.31	77.10	40.94	-112.524	-5,266.32	-1,721.43	1,362.86	1,254.09	108.77	12.530	
15,100.00	10,384.73	10,451.95	10,360.95	78.09	40.95	-110.413	-5,266.32	-1,721.48	1,275.58	1,165.39	110.20	11.575	
15,200.00	10,385.62	10,454.70	10,363.70	78.98	40.96	-108.641	-5,266.34	-1,721.53	1,183.21	1,071.86	111.35	10.626	
15,300.00	10,386.48	10,457.53	10,366.52	79.75	40.97	-107.317	-5,266.35	-1,721.58	1,086.84	974.65	112.19	9.687	
15,400.00	10,387.31	10,460.36	10,369.35	80.38	40.98	-106.589	-5,266.36	-1,721.63	987.84	875.19	112.65	8.769	
15,500.00	10,388.08	10,463.11	10,372.11	80.87	40.99	-106.673	-5,266.37	-1,721.67	887.98	775.36	112.62	7.885	
15,600.00	10,388.79	10,465.72	10,374.72	81.21	41.00	-107.871	-5,266.38	-1,721.72	789.65	677.71	111.94	7.054	
15,700.00	10,389.42	10,468.12	10,377.12	81.40	41.00	-110.601	-5,266.39	-1,721.76	696.23	585.91	110.31	6.311	
15,800.00	10,389.94	10,470.26	10,379.25	81.44	41.01	-115.392	-5,266.40	-1,721.79	612.57	505.26	107.31	5.708	
15,900.00	10,390.35	10,472.09	10,381.09	81.33	41.02	-122.736	-5,266.41	-1,721.82	545.52	443.09	102.43	5.326	
16,000.00	10,390.64	10,473.59	10,382.58	81.09	41.02	-132.659	-5,266.42	-1,721.84	503.56	407.85	95.71	5.261	SF
16,076.92	10,390.78	10,474.50	10,383.49	80.82	41.02	-141.426	-5,266.42	-1,721.86	493.20	402.93	90.27	5.464	CC, ES
16,100.00	10,390.81	10,474.73	10,383.72	80.74	41.03	-144.103	-5,266.43	-1,721.86	494.14	405.33	88.81	5.564	
16,200.00	10,390.81	10,475.47	10,384.46	80.30	41.03	-155.056	-5,266.43	-1,721.87	519.26	434.65	84.61	6.137	
16,300.00	10,390.64	10,475.79	10,384.79	79.79	41.03	-163.844	-5,266.43	-1,721.88	573.89	489.95	83.94	6.837	
16,400.00	10,390.30	10,475.72	10,384.71	79.22	41.03	-169.964	-5,266.43	-1,721.88	649.59	564.57	85.02	7.640	
16,500.00	10,389.80	10,475.25	10,384.24	78.62	41.03	-173.735	-5,266.43	-1,721.87	738.49	652.27	86.23	8.564	
16,600.00	10,389.15	10,474.41	10,383.40	78.00	41.02	-175.699	-5,266.42	-1,721.86	834.70	747.73	86.97	9.598	
16,700.00	10,388.37	10,473.22	10,382.21	77.38	41.02	-176.339	-5,266.42	-1,721.84	934.11	846.92	87.19	10.713	
16,800.00	10,387.50	10,471.80	10,380.79	76.76	41.02	-176.250	-5,266.41	-1,721.82	1,034.08	946.96	87.12	11.870	
16,900.00	10,386.63	10,470.38	10,379.38	76.17	41.01	-176.152	-5,266.40	-1,721.79	1,134.05	1,047.02	87.04	13.029	
17,000.00	10,385.75	10,468.98	10,377.97	75.59	41.01	-176.070	-5,266.40	-1,721.77	1,234.03	1,147.06	86.97	14.190	
17,100.00	10,384.88	10,467.59	10,376.58	75.04	41.00	-176.000	-5,266.39	-1,721.75	1,334.00	1,247.10	86.90	15.351	
17,200.00	10,384.01	10,466.21	10,375.21	74.51	41.00	-175.940	-5,266.38	-1,721.73	1,433.98	1,347.14	86.84	16.513	
17,300.00	10,383.13	10,464.85	10,373.85	74.00	40.99	-175.888	-5,266.38	-1,721.70	1,533.96	1,447.18	86.78	17.676	
17,400.00	10,382.26	10,463.50	10,372.50	73.51	40.99	-175.842	-5,266.37	-1,721.68	1,633.94	1,547.22	86.73	18.840	
17,500.00	10,381.39	10,462.17	10,371.16	73.05	40.98	-175.801	-5,266.37	-1,721.66	1,733.93	1,647.25	86.67	20.005	
17,600.00	10,380.52	10,460.84	10,369.84	72.62	40.98	-175.765	-5,266.36	-1,721.64	1,833.91	1,747.28	86.63	21.170	
17,700.00	10,379.64	10,459.53	10,368.53	72.20	40.98	-175.733	-5,266.35	-1,721.61	1,933.89	1,847.31	86.58	22.337	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #713H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 197-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
13,600.00	10,371.42	10,122.00	9,949.34	60.57	42.31	-161.709	-5,202.75	-860.60	1,977.58	1,900.37	77.21	25.613	
13,700.00	10,372.29	10,122.00	9,949.34	61.71	42.31	-160.982	-5,202.75	-860.60	1,883.27	1,805.97	77.30	24.362	
13,800.00	10,373.17	10,122.00	9,949.34	62.86	42.31	-160.175	-5,202.75	-860.60	1,789.57	1,712.15	77.42	23.116	
13,900.00	10,374.04	10,122.00	9,949.34	64.02	42.31	-159.272	-5,202.75	-860.60	1,696.59	1,619.03	77.56	21.873	
14,000.00	10,374.91	10,122.00	9,949.34	65.19	42.31	-158.256	-5,202.75	-860.60	1,604.46	1,526.72	77.75	20.637	
14,100.00	10,375.78	10,122.00	9,949.34	66.37	42.31	-157.106	-5,202.75	-860.60	1,513.33	1,435.35	77.98	19.408	
14,200.00	10,376.65	10,122.00	9,949.34	67.57	42.31	-155.793	-5,202.75	-860.60	1,423.39	1,345.13	78.26	18.188	
14,300.00	10,377.52	10,122.00	9,949.34	68.77	42.31	-154.284	-5,202.75	-860.60	1,334.88	1,256.26	78.62	16.979	
14,400.00	10,378.39	10,122.00	9,949.34	69.97	42.31	-152.533	-5,202.75	-860.60	1,248.11	1,169.04	79.06	15.786	
14,500.00	10,379.26	10,159.13	9,983.19	71.19	42.38	-151.049	-5,217.42	-856.54	1,160.83	1,080.71	80.12	14.488	
14,600.00	10,380.13	10,169.92	9,992.66	72.42	42.40	-148.901	-5,222.45	-855.37	1,077.03	996.04	81.00	13.297	
14,700.00	10,381.01	10,211.00	10,026.94	73.64	42.48	-147.198	-5,244.60	-851.03	996.54	914.18	82.36	12.100	
14,800.00	10,381.92	10,211.00	10,026.94	74.85	42.48	-144.904	-5,244.60	-851.03	910.94	828.01	82.93	10.984	
14,900.00	10,382.86	10,211.00	10,026.94	76.01	42.48	-143.144	-5,244.60	-851.03	824.03	741.13	82.90	9.940	
15,000.00	10,383.80	10,243.93	10,052.97	77.10	42.52	-143.498	-5,264.50	-847.66	736.80	654.27	82.53	8.928	
15,100.00	10,384.73	10,278.53	10,080.10	78.09	42.56	-145.586	-5,285.68	-844.20	650.35	569.15	81.20	8.009	
15,200.00	10,385.62	10,303.00	10,099.16	78.98	42.59	-149.689	-5,300.84	-841.81	568.60	490.03	78.57	7.237	
15,300.00	10,386.48	10,328.75	10,119.00	79.75	42.62	-157.496	-5,317.03	-839.17	497.50	422.17	75.33	6.605	
15,400.00	10,387.31	10,342.17	10,129.23	80.38	42.64	-169.601	-5,325.60	-837.68	445.57	372.06	73.51	6.061	
15,500.00	10,388.08	10,347.66	10,133.38	80.87	42.64	173.867	-5,329.13	-837.04	422.21	344.90	77.31	5.461	
15,518.80	10,388.22	10,347.81	10,133.49	80.94	42.64	170.493	-5,329.23	-837.03	421.58	342.82	78.77	5.352	CC, ES
15,600.00	10,388.79	10,345.46	10,131.71	81.21	42.64	156.347	-5,327.72	-837.30	432.98	346.43	86.55	5.002	
15,700.00	10,389.42	10,336.26	10,124.74	81.40	42.63	142.341	-5,321.82	-838.34	475.24	379.14	96.10	4.945	SF
15,800.00	10,389.94	10,321.06	10,113.11	81.44	42.61	133.192	-5,312.16	-839.98	540.38	437.42	102.96	5.248	
15,900.00	10,390.35	10,303.00	10,099.16	81.33	42.59	128.027	-5,300.84	-841.81	619.42	512.18	107.24	5.776	
16,000.00	10,390.64	10,266.88	10,070.99	81.09	42.55	124.911	-5,278.51	-845.36	705.30	596.09	109.21	6.458	
16,100.00	10,390.81	10,227.50	10,040.00	80.74	42.51	123.677	-5,254.53	-849.33	793.17	683.05	110.12	7.203	
16,200.00	10,390.81	10,211.00	10,026.94	80.30	42.48	124.557	-5,244.60	-851.03	880.35	769.38	110.97	7.933	
16,300.00	10,390.64	10,211.00	10,026.94	79.79	42.48	126.663	-5,244.60	-851.03	966.63	855.10	111.53	8.667	
16,400.00	10,390.30	10,168.85	9,991.73	79.22	42.40	128.314	-5,221.93	-855.49	1,047.82	937.07	110.75	9.461	
16,500.00	10,389.80	10,155.18	9,979.67	78.62	42.37	131.063	-5,215.66	-856.97	1,126.21	1,016.05	110.16	10.224	
16,600.00	10,389.15	10,122.00	9,949.34	78.00	42.31	133.904	-5,202.75	-860.60	1,200.63	1,091.73	108.89	11.026	
16,700.00	10,388.37	10,122.00	9,949.34	77.38	42.31	137.295	-5,202.75	-860.60	1,268.45	1,160.58	107.88	11.758	
16,800.00	10,387.50	10,122.00	9,949.34	76.76	42.31	140.660	-5,202.75	-860.60	1,333.59	1,226.96	106.63	12.507	
16,900.00	10,386.63	10,122.00	9,949.34	76.17	42.31	143.676	-5,202.75	-860.60	1,402.54	1,297.15	105.39	13.308	
17,000.00	10,385.75	10,122.00	9,949.34	75.59	42.31	146.368	-5,202.75	-860.60	1,475.04	1,370.86	104.19	14.158	
17,100.00	10,384.88	10,122.00	9,949.34	75.04	42.31	148.776	-5,202.75	-860.60	1,550.61	1,447.57	103.04	15.049	
17,200.00	10,384.01	10,122.00	9,949.34	74.51	42.31	150.935	-5,202.75	-860.60	1,628.81	1,526.86	101.95	15.976	
17,300.00	10,383.13	10,122.00	9,949.34	74.00	42.31	152.877	-5,202.75	-860.60	1,709.29	1,608.36	100.93	16.935	
17,400.00	10,382.26	10,122.00	9,949.34	73.51	42.31	154.629	-5,202.75	-860.60	1,791.74	1,691.75	99.99	17.920	
17,500.00	10,381.39	10,122.00	9,949.34	73.05	42.31	156.215	-5,202.75	-860.60	1,875.89	1,776.78	99.11	18.928	
17,600.00	10,380.52	10,122.00	9,949.34	72.62	42.31	157.655	-5,202.75	-860.60	1,961.53	1,863.24	98.29	19.957	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #714H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 197-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
13,800.00	10,373.17	9,943.00	9,837.07	62.86	38.69	-149.185	-5,196.91	-1,241.86	1,972.25	1,895.14	77.11	25.577	
13,900.00	10,374.04	9,943.00	9,837.07	64.02	38.69	-147.794	-5,196.91	-1,241.86	1,886.93	1,809.19	77.74	24.272	
14,000.00	10,374.91	9,943.00	9,837.07	65.19	38.69	-146.259	-5,196.91	-1,241.86	1,803.13	1,724.66	78.47	22.979	
14,100.00	10,375.78	9,984.45	9,876.37	66.37	38.76	-144.810	-5,210.02	-1,242.39	1,719.13	1,639.40	79.74	21.559	
14,200.00	10,376.65	9,994.28	9,885.54	67.57	38.78	-143.021	-5,213.56	-1,242.57	1,638.03	1,557.20	80.82	20.266	
14,300.00	10,377.52	10,034.00	9,921.89	68.77	38.85	-141.311	-5,229.53	-1,243.51	1,559.80	1,477.44	82.36	18.938	
14,400.00	10,378.39	10,034.00	9,921.89	69.97	38.85	-139.038	-5,229.53	-1,243.51	1,482.25	1,398.57	83.68	17.714	
14,500.00	10,379.26	10,034.00	9,921.89	71.19	38.85	-136.488	-5,229.53	-1,243.51	1,407.52	1,322.36	85.17	16.527	
14,600.00	10,380.13	10,034.00	9,921.89	72.42	38.85	-133.618	-5,229.53	-1,243.51	1,336.11	1,249.27	86.84	15.385	
14,700.00	10,381.01	10,054.70	9,940.26	73.64	38.88	-130.775	-5,239.04	-1,244.18	1,266.83	1,177.91	88.92	14.247	
14,800.00	10,381.92	10,070.90	9,954.26	74.85	38.90	-128.041	-5,247.16	-1,244.81	1,193.30	1,102.56	90.74	13.151	
14,900.00	10,382.86	10,070.90	9,954.26	76.01	38.90	-125.244	-5,247.16	-1,244.81	1,115.02	1,023.03	91.99	12.121	
15,000.00	10,383.80	10,100.67	9,979.02	77.10	38.92	-123.536	-5,263.61	-1,246.22	1,032.09	938.95	93.14	11.081	
15,100.00	10,384.73	10,124.00	9,997.48	78.09	38.93	-122.317	-5,277.82	-1,247.56	946.40	852.79	93.60	10.111	
15,200.00	10,385.62	10,146.17	10,014.45	78.98	38.94	-121.920	-5,292.02	-1,248.86	858.80	765.53	93.27	9.207	
15,300.00	10,386.48	10,176.80	10,037.43	79.75	38.94	-123.111	-5,312.21	-1,250.45	770.96	678.92	92.05	8.376	
15,400.00	10,387.31	10,201.48	10,055.53	80.38	38.95	-125.872	-5,328.95	-1,251.56	686.01	596.56	89.44	7.670	
15,500.00	10,388.08	10,219.93	10,068.82	80.87	38.96	-130.894	-5,341.72	-1,252.29	608.55	523.35	85.20	7.142	
15,600.00	10,388.79	10,232.04	10,077.50	81.21	38.96	-139.097	-5,350.16	-1,252.76	544.85	465.30	79.54	6.850	
15,700.00	10,389.42	10,234.27	10,079.10	81.40	38.96	-151.049	-5,351.71	-1,252.84	502.54	428.49	74.05	6.786	
15,795.91	10,389.92	10,227.15	10,074.00	81.44	38.96	-165.559	-5,346.75	-1,252.57	488.41	416.26	72.16	6.769	CC
15,800.00	10,389.94	10,226.65	10,073.64	81.44	38.96	-166.213	-5,346.40	-1,252.55	488.44	416.25	72.19	6.766	ES
15,900.00	10,390.35	10,215.00	10,065.29	81.33	38.96	178.298	-5,338.29	-1,252.10	504.77	428.91	75.86	6.654	SF
16,000.00	10,390.64	10,192.24	10,048.80	81.09	38.95	165.820	-5,322.64	-1,251.16	547.75	465.67	82.09	6.673	
16,100.00	10,390.81	10,169.08	10,031.69	80.74	38.94	157.560	-5,307.07	-1,250.07	610.25	522.36	87.89	6.943	
16,200.00	10,390.81	10,142.70	10,011.81	80.30	38.94	152.774	-5,289.78	-1,248.66	684.99	592.97	92.02	7.444	
16,300.00	10,390.64	10,124.00	9,997.48	79.79	38.93	150.783	-5,277.82	-1,247.56	766.45	671.73	94.73	8.091	
16,400.00	10,390.30	10,099.72	9,978.26	79.22	38.92	150.328	-5,263.06	-1,246.17	851.00	754.96	96.04	8.861	
16,500.00	10,389.80	10,070.90	9,954.26	78.62	38.90	150.985	-5,247.16	-1,244.81	936.49	840.17	96.32	9.722	
16,600.00	10,389.15	10,070.90	9,954.26	78.00	38.90	152.991	-5,247.16	-1,244.81	1,020.37	924.10	96.27	10.599	
16,700.00	10,388.37	10,051.45	9,937.41	77.38	38.87	155.159	-5,237.48	-1,244.06	1,101.77	1,006.36	95.42	11.547	
16,800.00	10,387.50	10,034.00	9,921.89	76.76	38.85	157.571	-5,229.53	-1,243.51	1,181.48	1,087.15	94.33	12.525	
16,900.00	10,386.63	10,034.00	9,921.89	76.17	38.85	159.826	-5,229.53	-1,243.51	1,263.46	1,169.98	93.48	13.516	
17,000.00	10,385.75	10,034.00	9,921.89	75.59	38.85	161.755	-5,229.53	-1,243.51	1,347.87	1,255.17	92.70	14.540	
17,100.00	10,384.88	10,000.21	9,891.05	75.04	38.79	163.220	-5,215.78	-1,242.69	1,432.93	1,341.13	91.80	15.609	
17,200.00	10,384.01	9,989.49	9,881.08	74.51	38.77	164.648	-5,211.81	-1,242.48	1,520.03	1,428.90	91.13	16.680	
17,300.00	10,383.13	9,979.74	9,871.96	74.00	38.76	165.913	-5,208.38	-1,242.31	1,608.40	1,517.87	90.53	17.767	
17,400.00	10,382.26	9,943.00	9,837.07	73.51	38.69	166.960	-5,196.91	-1,241.86	1,698.77	1,608.89	89.88	18.901	
17,500.00	10,381.39	9,943.00	9,837.07	73.05	38.69	167.998	-5,196.91	-1,241.86	1,788.73	1,699.29	89.44	19.999	
17,600.00	10,380.52	9,943.00	9,837.07	72.62	38.69	168.926	-5,196.91	-1,241.86	1,879.72	1,790.68	89.04	21.111	
17,700.00	10,379.64	9,943.00	9,837.07	72.20	38.69	169.760	-5,196.91	-1,241.86	1,971.57	1,882.90	88.67	22.235	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Offset Design: Roger Donlon Offsets (NAD 27) - WILD WEASEL 22 FEDERAL COM #715H - Wellbore #1 - Surveys — **Offset Site Error:** 0.00 usft

Survey Program: 197-MWD — **Offset Well Error:** 0.00 usft

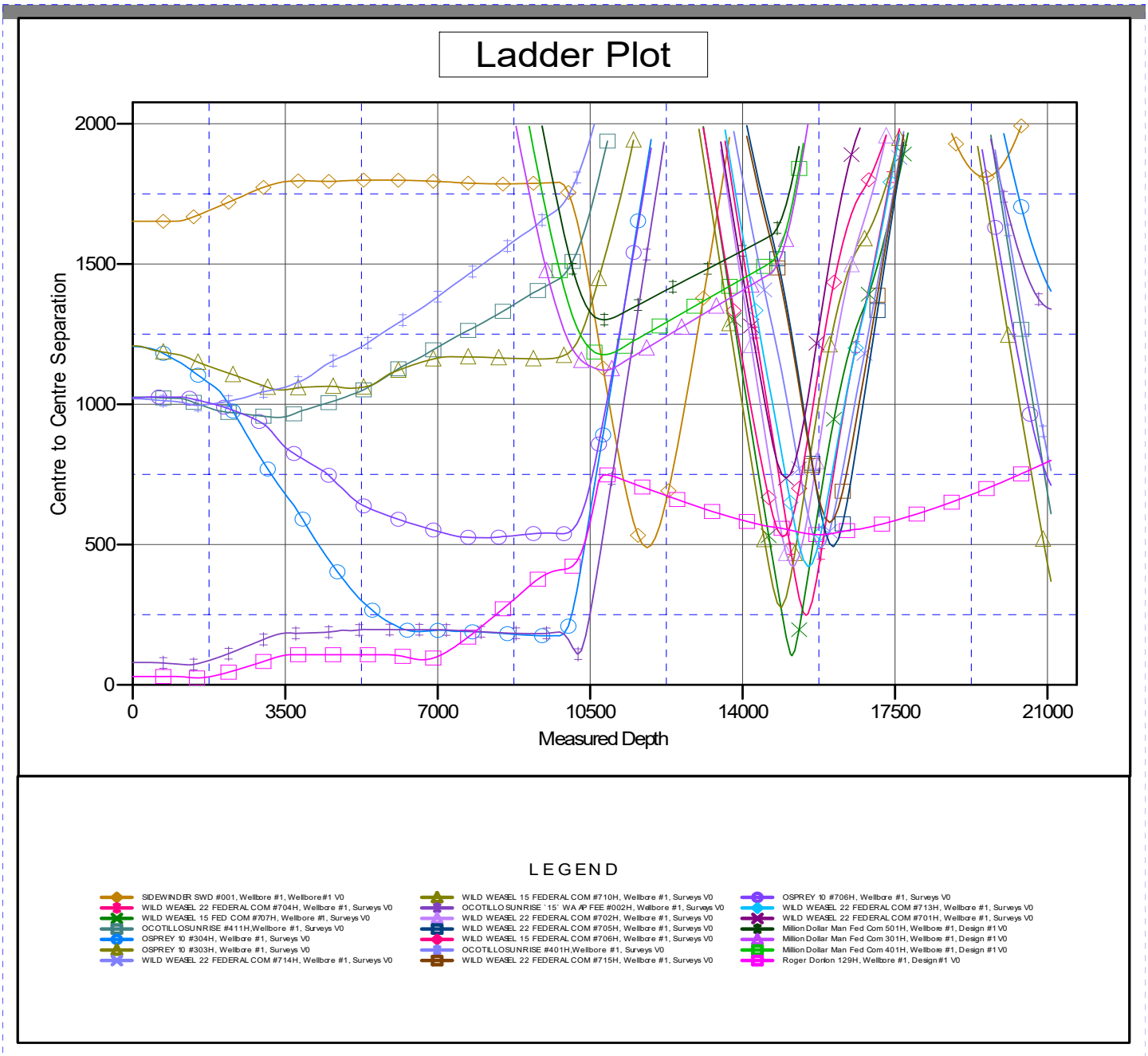
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	10,375.78	9,982.37	9,922.48	66.37	36.54	-136.073	-5,237.65	-1,614.55	1,955.90	1,871.95	83.95	23.299	
14,200.00	10,376.65	9,988.41	9,928.26	67.57	36.55	-134.121	-5,239.37	-1,614.91	1,881.89	1,796.44	85.45	22.023	
14,300.00	10,377.52	10,020.70	9,958.61	68.77	36.62	-132.191	-5,250.20	-1,616.82	1,811.09	1,723.78	87.31	20.743	
14,400.00	10,378.39	10,020.70	9,958.61	69.97	36.62	-129.874	-5,250.20	-1,616.82	1,741.72	1,652.66	89.06	19.556	
14,500.00	10,379.26	10,020.70	9,958.61	71.19	36.62	-127.355	-5,250.20	-1,616.82	1,675.45	1,584.49	90.96	18.419	
14,600.00	10,380.13	10,020.70	9,958.61	72.42	36.62	-124.618	-5,250.20	-1,616.82	1,612.66	1,519.66	93.00	17.340	
14,700.00	10,381.01	10,035.00	9,971.71	73.64	36.65	-121.857	-5,255.85	-1,617.67	1,552.31	1,457.04	95.27	16.293	
14,800.00	10,381.92	10,035.00	9,971.71	74.85	36.65	-119.022	-5,255.85	-1,617.67	1,486.21	1,388.97	97.24	15.284	
14,900.00	10,382.86	10,071.07	10,003.96	76.01	36.70	-116.920	-5,271.87	-1,619.65	1,412.74	1,313.47	99.26	14.232	
15,000.00	10,383.80	10,093.93	10,023.81	77.10	36.73	-114.952	-5,283.14	-1,620.74	1,332.97	1,232.12	100.85	13.217	
15,100.00	10,384.73	10,126.00	10,050.83	78.09	36.78	-113.605	-5,300.37	-1,622.04	1,247.60	1,145.46	102.13	12.216	
15,200.00	10,385.62	10,176.71	10,093.38	78.98	36.85	-113.252	-5,327.89	-1,623.88	1,157.12	1,054.01	103.11	11.222	
15,300.00	10,386.48	10,206.51	10,119.15	79.75	36.89	-113.030	-5,342.82	-1,624.97	1,062.30	958.79	103.50	10.263	
15,400.00	10,387.31	10,216.00	10,127.20	80.38	36.90	-113.145	-5,347.83	-1,625.31	966.62	863.52	103.10	9.376	
15,500.00	10,388.08	10,243.29	10,150.51	80.87	36.94	-114.889	-5,361.98	-1,626.28	871.82	769.83	101.99	8.548	
15,600.00	10,388.79	10,248.91	10,155.20	81.21	36.94	-117.457	-5,365.07	-1,626.47	782.26	682.65	99.61	7.853	
15,700.00	10,389.42	10,250.18	10,156.26	81.40	36.94	-121.753	-5,365.78	-1,626.52	702.11	606.32	95.79	7.330	
15,800.00	10,389.94	10,247.11	10,153.70	81.44	36.94	-128.196	-5,364.08	-1,626.41	637.15	546.73	90.41	7.047 SF	
15,900.00	10,390.35	10,240.14	10,147.87	81.33	36.93	-136.954	-5,360.27	-1,626.17	593.94	509.91	84.03	7.068	
16,000.00	10,390.64	10,216.00	10,127.20	81.09	36.90	-147.067	-5,347.83	-1,625.31	578.54	500.31	78.23	7.395 ES	
16,004.81	10,390.65	10,216.00	10,127.20	81.08	36.90	-147.614	-5,347.83	-1,625.31	578.51	500.48	78.03	7.414 CC	
16,100.00	10,390.81	10,224.48	10,134.60	80.74	36.91	-158.286	-5,351.97	-1,625.62	592.07	516.32	75.75	7.816	
16,200.00	10,390.81	10,150.62	10,071.33	80.30	36.81	-166.962	-5,313.98	-1,622.93	631.94	556.49	75.45	8.376	
16,300.00	10,390.64	10,126.00	10,050.83	79.79	36.78	-174.161	-5,300.37	-1,622.04	690.30	612.81	77.48	8.909	
16,400.00	10,390.30	10,092.53	10,022.62	79.22	36.73	-178.951	-5,282.43	-1,620.68	762.54	682.99	79.55	9.586	
16,500.00	10,389.80	10,074.30	10,006.80	78.62	36.70	178.341	-5,273.42	-1,619.81	844.54	763.28	81.26	10.393	
16,600.00	10,389.15	10,035.00	9,971.71	78.00	36.65	177.103	-5,255.85	-1,617.67	932.57	850.54	82.03	11.369	
16,700.00	10,388.37	10,035.00	9,971.71	77.38	36.65	177.234	-5,255.85	-1,617.67	1,021.44	938.89	82.55	12.373	
16,800.00	10,387.50	10,029.34	9,966.55	76.76	36.64	177.928	-5,253.55	-1,617.33	1,111.51	1,028.90	82.61	13.456	
16,900.00	10,386.63	10,020.70	9,958.61	76.17	36.62	178.517	-5,250.20	-1,616.82	1,202.80	1,120.20	82.60	14.562	
17,000.00	10,385.75	10,020.70	9,958.61	75.59	36.62	179.039	-5,250.20	-1,616.82	1,295.26	1,212.64	82.61	15.678	
17,100.00	10,384.88	10,020.70	9,958.61	75.04	36.62	179.482	-5,250.20	-1,616.82	1,388.76	1,306.15	82.61	16.811	
17,200.00	10,384.01	10,020.70	9,958.61	74.51	36.62	179.863	-5,250.20	-1,616.82	1,483.11	1,400.52	82.59	17.958	
17,300.00	10,383.13	10,020.70	9,958.61	74.00	36.62	-179.806	-5,250.20	-1,616.82	1,578.16	1,495.60	82.56	19.115	
17,400.00	10,382.26	9,985.59	9,925.57	73.51	36.54	-179.587	-5,238.56	-1,614.74	1,671.70	1,589.27	82.43	20.281	
17,500.00	10,381.39	9,980.56	9,920.75	73.05	36.53	-179.335	-5,237.16	-1,614.44	1,767.20	1,684.81	82.38	21.451	
17,600.00	10,380.52	9,945.00	9,886.16	72.62	36.45	-179.164	-5,229.20	-1,612.37	1,864.68	1,782.41	82.27	22.664	
17,700.00	10,379.64	9,945.00	9,886.16	72.20	36.45	-178.950	-5,229.20	-1,612.37	1,960.51	1,878.27	82.25	23.837	

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 Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 3361.50usft (Patterson 295) Coordinates are relative to: Roger Donlon 119H
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: 0.470°

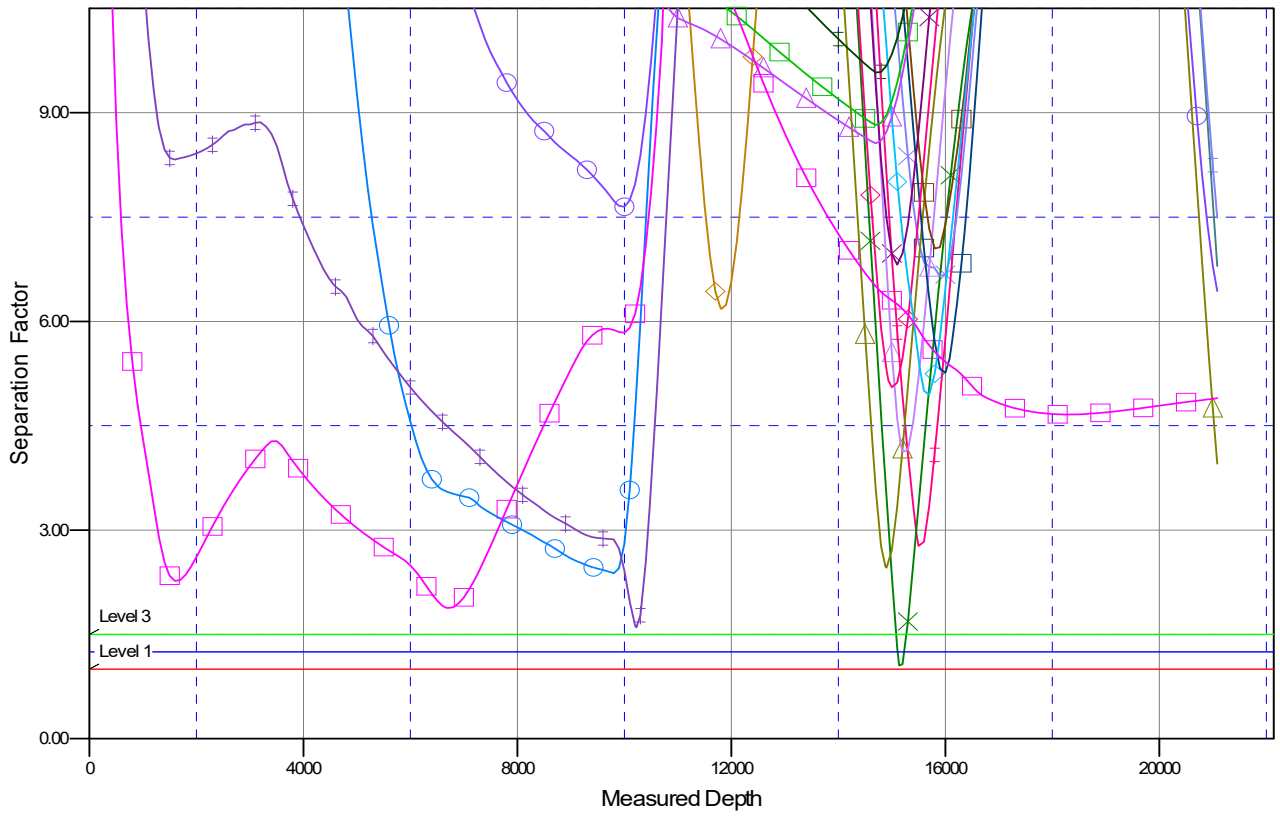


MS Directional
Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well Roger Donlon 119H
Project:	Lea County, New Mexico (NAD 27)	**TVD Reference:**	WELL @ 3361.50usft (Patterson 295)
Reference Site:	Roger Donlon (119H, 129H)	**MD Reference:**	WELL @ 3361.50usft (Patterson 295)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Roger Donlon 119H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	TRG_EDMConroe
Reference Design:	Design #3	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to WELL @ 3361.50usft (Patterson 295) Coordinates are relative to: Roger Donlon 119H
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: 0.470°

Separation Factor Plot



LEGEND

SIDEWINDER SWD #001, Wellbore #1, Wellbore#1 V0
WILD WEASEL 22 FEDERAL COM #704H, Wellbore #1, Surveys V0
WILD WEASEL 15 FED COM #707H, Wellbore #1, Surveys V0
OCOTILLOSUNRISE #411H,Wellbore #1, Surveys V0
OSPREY 10 #304H, Wellbore #1, Surveys V0
OSPREY 10 #303H, Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #714H, Wellbore #1, Surveys V0
WILD WEASEL 15 FEDERAL COM #710H, Wellbore #1, Surveys V0
OCOTILLO SUNRISE `15` WA AP FEE #002H, Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #702H, Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #705H, Wellbore #1, Surveys V0
WILD WEASEL 15 FEDERAL COM #706H, Wellbore #1, Surveys V0
OCOTILLOSUNRISE #401H,Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #715H, Wellbore #1, Surveys V0
OSPREY 10 #706H, Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #713H, Wellbore #1, Surveys V0
WILD WEASEL 22 FEDERAL COM #701H, Wellbore #1, Surveys V0
Million Dollar Man Fed Com 501H, Wellbore #1, Design #1 V0
Million Dollar Man Fed Com 301H, Wellbore #1, Design #1 V0
Million Dollar Man Fed Com 401H, Wellbore #1, Design #1 V0
Roger Donlon 129H, Wellbore #1, Design#1 V0

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 430547
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	2/11/2025
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing.	2/11/2025