

District I

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

District II

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

District III

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

District IV

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

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

Form C-101
August 1, 2011

Permit 333288

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		2. OGRID Number 228937
		3. API Number 30-015-53348
4. Property Code 331615	5. Property Name Joe Hollingsworth Fee	6. Well No. 222H

7. Surface Location

UL - Lot D	Section 21	Township 22S	Range 28E	Lot Idn	Feet From 854	N/S Line N	Feet From 400	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot G	Section 22	Township 22S	Range 28E	Lot Idn G	Feet From 1980	N/S Line N	Feet From 1670	E/W Line E	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3072
16. Multiple N	17. Proposed Depth 18703	18. Formation Wolfcamp	19. Contractor	20. Spud Date 3/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	400	405	0
Int1	9.875	7.625	29.7	9460	2235	0
Prod	6.75	5.5	20	18703	1075	9260

Casing/Cement Program: Additional Comments

Matador requests optionality to use a DV Tool Packer at 2800' on the intermediate string.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	Cameron
Double Ram	10000	5000	Cameron
Pipe	10000	5000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☒ if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Brett A Jennings	Approved By: Katherine Pickford	
Title: Regulatory Analyst	Title: Geoscientist	
Email Address: brett.jennings@matadorresources.com	Approved Date: 1/30/2023	Expiration Date: 1/30/2025
Date: 1/30/2023	Phone: 972-629-2160	Conditions of Approval Attached

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Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-53348	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (Gas)
⁴ Property Code 331615	⁵ Property Name JOE HOLLINGSWORTH FEE	
⁷ GRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁶ Well Number 222H
		⁹ Elevation 3072'

¹⁰Surface Location

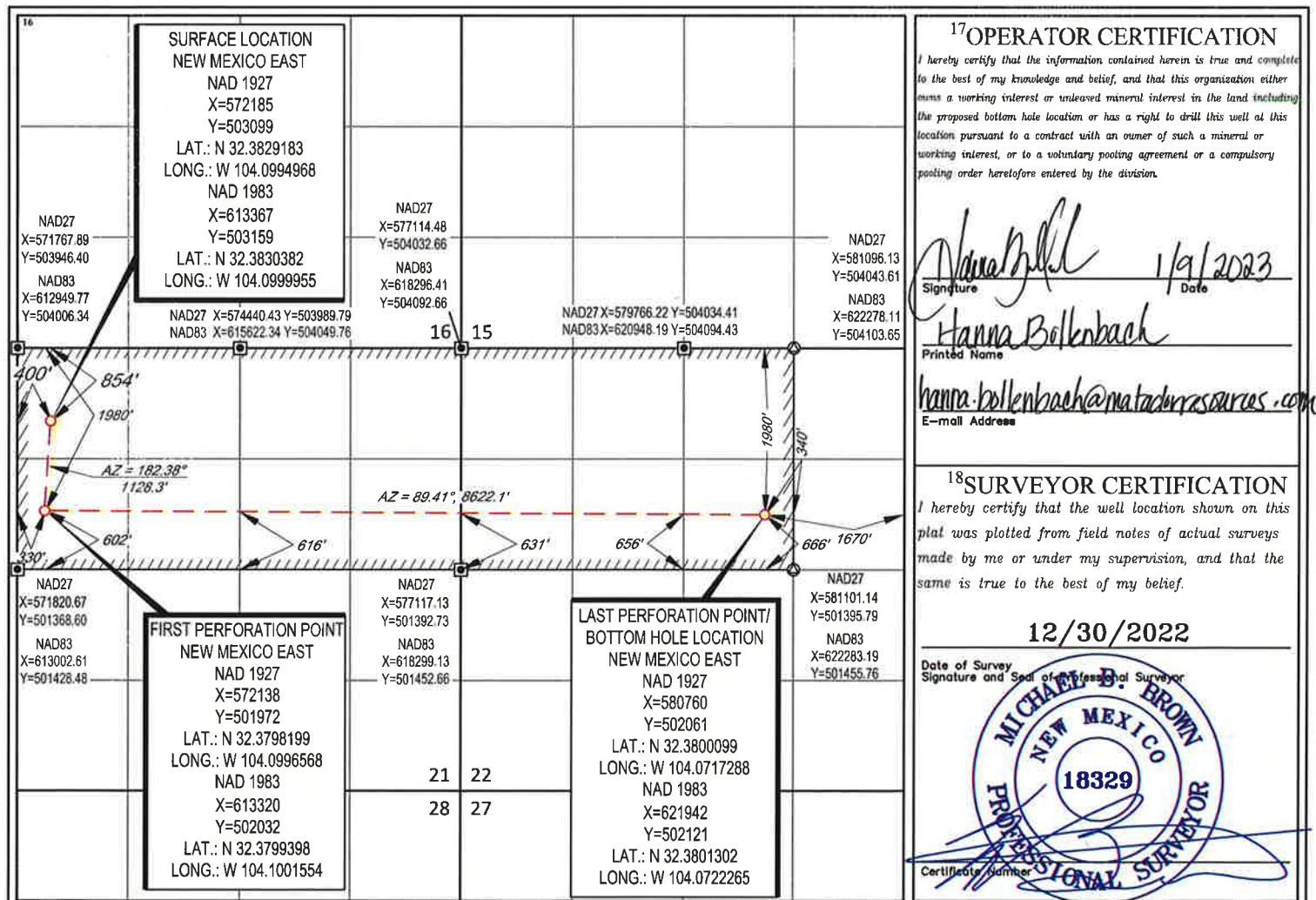
UL or lot no. D	Section 21	Township 22-S	Range 28-E	Lot Idn -	Feet from the 854'	North/South line NORTH	Feet from the 400'	East/West line WEST	County EDDY
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. G	Section 22	Township 22-S	Range 28-E	Lot Idn -	Feet from the 1980'	North/South line NORTH	Feet from the 1670'	East/West line EAST	County EDDY
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¹² Dedicated Acres 560	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 333288

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-53348
	Well: Joe Hollingsworth Fee #222H

OCD Reviewer	Condition
kpickford	Notify OCD 24 hours prior to casing & cement
kpickford	Will require a File As Drilled C-102 and a Directional Survey with the C-104
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 01/12/2023

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Joe Hollingsworth Fee 222H	TBD	D 21-22S-28E	854' FNL 400' FWL	400	4,500	2,500
Joe Hollingsworth Fee 221H	TBD	D 21-22S-28E	824' FNL 400' FWL	400	4,500	2,500

IV. Central Delivery Point Name: Ace Stern Vegas TB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Joe Hollingsworth Fee 222H	TBD	02/22/2023	03/11/2023	04/01/2023	05/01/2023	06/01/2023
Joe Hollingsworth Fee 221H	TBD	03/12/2023	03/30/2023	04/01/2023	05/01/2023	06/01/2023

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Omar Enriquez Digitally signed by Omar Enriquez DN: cn=Omar Enriquez, o=, ou=, email=oenriquez@matadorresources.com, c=US
Printed Name: Omar Enriquez
Title: Sr. Production Engineer
E-mail Address: oenriquez@matadorresources.com
Date: 01/12/2023
Phone: (972) 587-4638
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

Addendum to Natural Gas Management Plan for Matador's

Joe Hollingsworth 221H and 222H

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 48"x15' three phase separator dedicated to the well. The first stage separators are sized with input from BRE ProMax and API 12J. Anticipated production rates can be seen in the below table. Liquid retention times at expected maximum rates will be >3 minutes. Gas will be routed from the first stage separator to sales. Hydrocarbon liquids are dumped from the first stage separator and commingled to one or more heater treaters. The flash gas from the heater treater(s) could either be sent to sales or routed to a compressor if the sales line pressure is higher than the MAWP of the heater treater (125 psi). From the heater treaters, hydrocarbon liquid will be routed to the tanks where vapor is compressed by a VRU if technically feasible to either sales or a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized our separation equipment to optimize gas capture and our separation equipment is of sufficient size to handle the expected volumes of gas.

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Joe Hollingsworth Fee 222H	400	4,500	2,500
Joe Hollingsworth Fee 221H	400	4,500	2,500

VII. Operation Practices

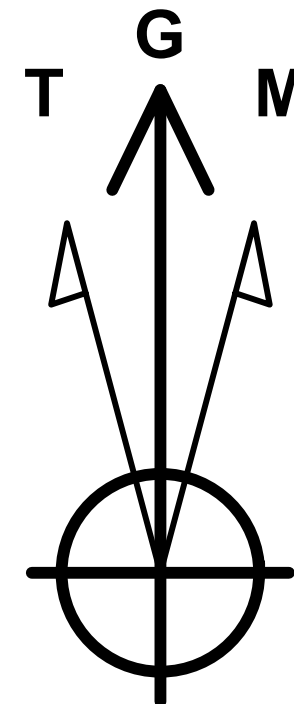
Although not a complete recitation of all our efforts to comply with a subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During drilling, Matador will have a properly sized flare stack at least 100 feet from the nearest surface hole. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible, and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

VII. Best Management Practices

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device
- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed



Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.49°

Magnetic Field
Strength: 47372.1nT
Dip Angle: 59.92°
Date: 1/12/2023
Model: IGRF2020

PROJECT DETAILS: Eddy County, New Mexico (NAD27)

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



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Start Nudge Build 1.50
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00		10.00° at 2666.67 MD
3	2666.67	10.00	192.00	2663.29	-56.76	-12.07	1.50	192.00	-12.65		Start Drop -1.50
4	8646.67	10.00	192.00	8552.44	-1072.49	-227.96	0.00	0.00	-239.00		Vertical at 9313.33 MD
5	9313.33	0.00	0.00	9215.72	-1129.25	-240.03	1.50	180.00	-251.64		KOP Start DLS 10.00 TFO 89.41
6	9560.65	0.00	0.00	9463.04	-1129.25	-240.03	0.00	0.00	-251.64		LP 90.00° at 10460.65 MD
7	10460.65	90.00	89.41	10036.00	-1123.32	332.90	10.00	89.41	321.31		LPP/BHL TD at 18703.19
8	18703.19	90.00	89.41	10036.00	-1038.00	8575.00	0.00	0.00	8563.86	LPP/BHL - Joe Hollingsworth Fee 222H	

To convert a Magnetic Direction to a Grid Direction, Add 6.49°

Rig: Patterson 298

FORMATION TOP DETAILS

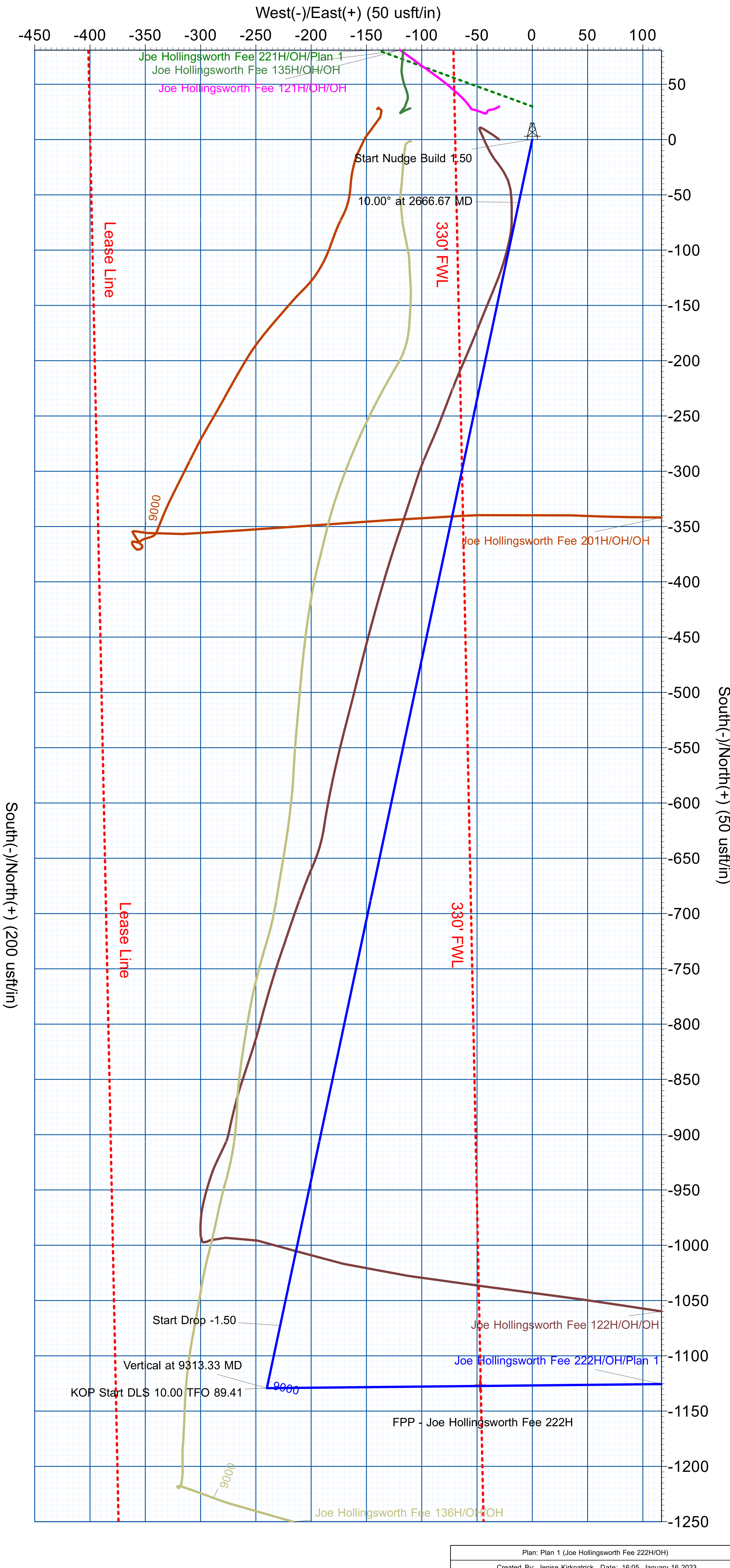
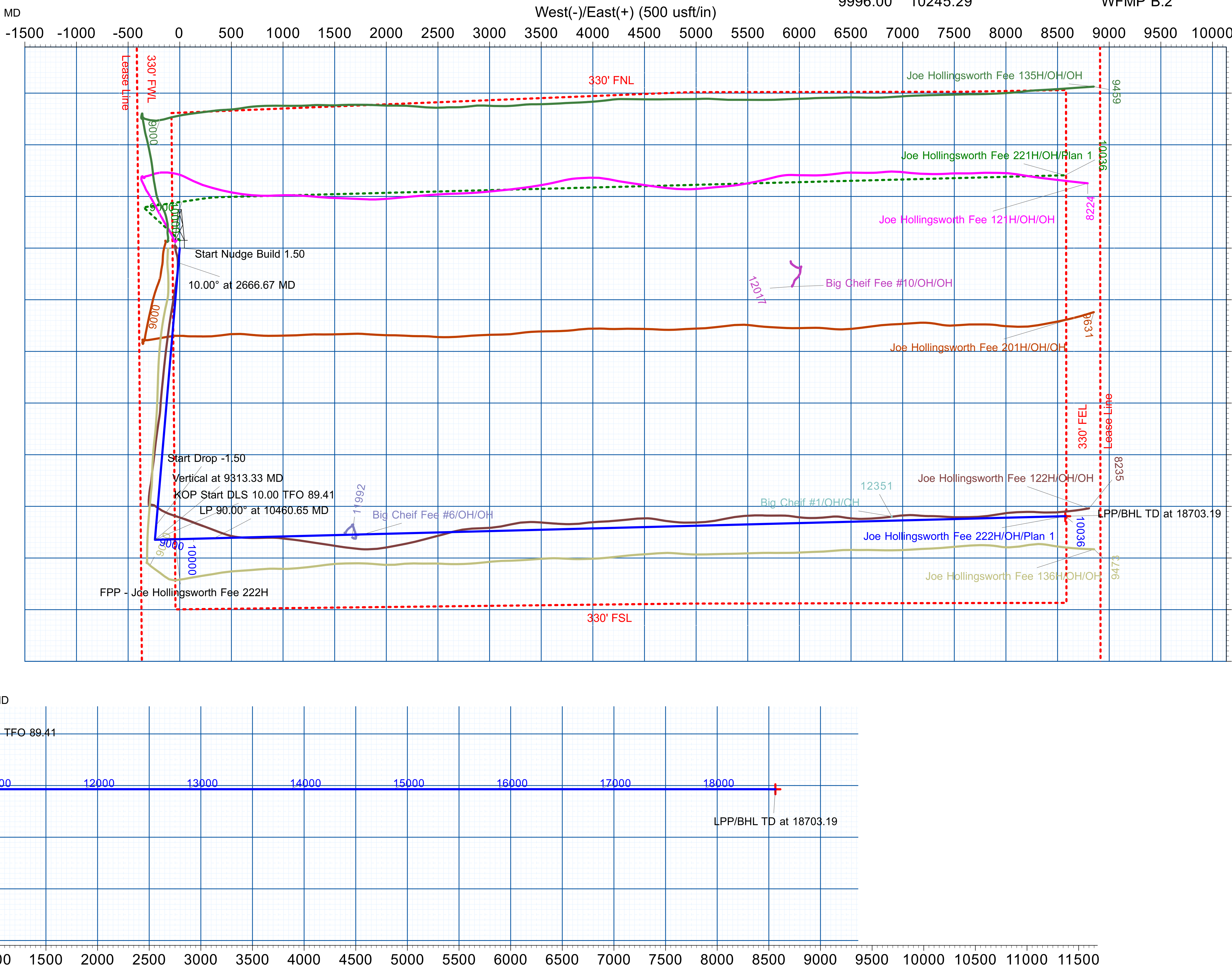
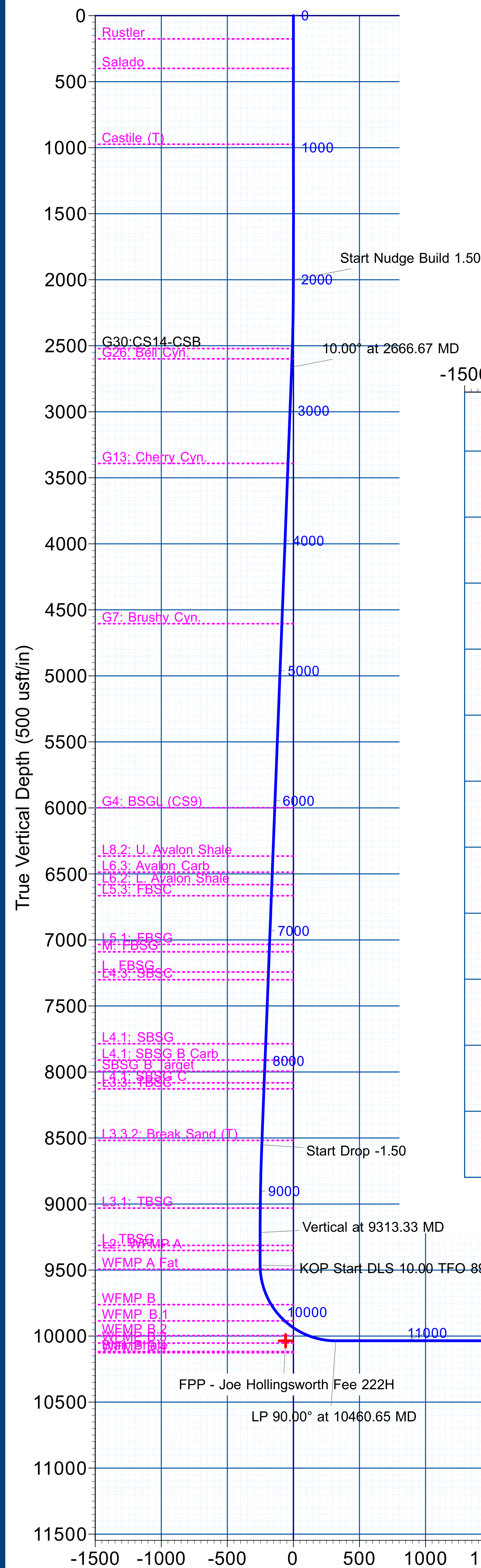
TVDPath	MDPath	Formation
176.00	176.00	Rustler
400.00	400.00	Salado
974.00	974.00	Castile (T)
2521.00	2522.63	G30:CS14-CSB
2599.00	2601.48	G26: Bell Cyn.
3391.00	3405.61	G13: Cherry Cyn.
4605.00	4638.33	G7: Brushy Cyn.
5999.00	6053.84	G4: BSGL (CS9)
6365.00	6425.48	L8.2: U. Avalon Shale
6487.00	6549.37	L6.3: Avalon Carb
6581.00	6644.82	L6.2: L. Avalon Shale
6665.00	6730.11	L5.3: FBSC
7034.00	7104.80	L5.1: FBSC
7090.00	7161.67	M. FBSC
7243.00	7317.03	L. FBSC
7301.00	7375.92	L4.3: SBSC
7786.00	7868.41	L4.1: SBSC
7910.00	7994.32	L4.1: SBSC B Carb
7994.00	8079.61	SBSC B Target
8082.00	8168.97	L4.1: SBSC C
8128.00	8215.68	L3.3: TBSC
8518.00	8611.70	L3.3.2: Break Sand (T)
9031.00	9128.54	L3.1: TBSC
9313.00	9410.61	L. TBSC
9352.00	9449.61	L2: WFMP A
9494.00	9591.62	WFMP A Fat
9762.00	9875.17	WFMP B
9885.00	10034.96	WFMP B.1
9996.00	10245.29	WFMP B.2

WELL DETAILS: Joe Hollingsworth Fee 222H

+N/-S	+E/-W	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)	3072.00
0.00	0.00	Northing 503099.00	Easting 572185.00
		Latitude 32.382917	Longitude -104.099498

CASING DETAILS

TVD	MD	Name	Size
400.00	400.00	13 3/8"	13-3/8
9363.04	9460.65	7 5/8"	7-5/8



Matador Resources Company

Eddy County, New Mexico (NAD27)

Joe Hollingsworth Fee

Joe Hollingsworth Fee 222H

OH

Plan 1

Anticollision Report

13 January, 2023

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference	Plan 1		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 2,070.32usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	1/13/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	18,703.19	Plan 1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Big Chief						
Big Chief #1 - OH - OH	17,021.88	10,054.32	16.26	-440.25	0.036	Level 3, CC, ES, SF
Big Chief Fee #10 - OH - OH	16,081.19	10,066.47	927.80	730.20	4.695	CC
Big Chief Fee #10 - OH - OH	16,100.00	10,066.15	927.99	730.19	4.692	ES, SF
Big Chief Fee #6 - OH - OH	11,834.00	10,025.12	11.01	-83.25	0.117	Level 3, CC, ES, SF
Joe Hollingsworth Fee						
Joe Hollingsworth Fee 121H - OH - OH	0.00	2.00	42.43			
Joe Hollingsworth Fee 121H - OH - OH	1,139.40	1,141.50	47.70	39.23	5.629	ES
Joe Hollingsworth Fee 121H - OH - OH	1,700.00	1,698.83	65.86	53.25	5.224	SF
Joe Hollingsworth Fee 122H - OH - OH	0.00	1.00	30.00			
Joe Hollingsworth Fee 122H - OH - OH	7,861.08	7,882.28	72.79	12.44	1.206	Level 3, ES, SF
Joe Hollingsworth Fee 135H - OH - OH	0.00	0.99	113.89			
Joe Hollingsworth Fee 135H - OH - OH	1,100.00	1,100.73	118.34	106.13	9.692	ES
Joe Hollingsworth Fee 135H - OH - OH	18,703.19	17,877.87	1,745.84	1,305.28	3.963	SF
Joe Hollingsworth Fee 136H - OH - OH	0.00	1.00	109.72			
Joe Hollingsworth Fee 136H - OH - OH	9,163.62	9,183.51	113.13	39.86	1.544	ES, SF
Joe Hollingsworth Fee 201H - OH - OH	1,029.90	1,030.95	138.06	129.10	15.409	CC
Joe Hollingsworth Fee 201H - OH - OH	1,100.00	1,099.21	138.53	128.20	13.401	ES
Joe Hollingsworth Fee 201H - OH - OH	18,703.19	18,115.21	862.48	453.58	2.109	SF
Joe Hollingsworth Fee 221H - OH - Plan 1	1,500.00	1,500.00	30.00	18.53	2.616	CC
Joe Hollingsworth Fee 221H - OH - Plan 1	1,600.00	1,599.71	30.47	18.32	2.508	ES, SF

Offset Design:	Big Chief - Big Chief #1 - OH - OH											Offset Site Error:	0.00 usft
Survey Program:	150-INC-ONLY											Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance			Rule Assigned:				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,000.00	10,036.00	10,054.32	10,049.50	135.55	275.21	-90.00	-1,039.14	6,893.61	2,021.95	1,708.06	313.89	6.442	
15,100.00	10,036.00	10,054.32	10,049.50	138.07	275.21	-90.00	-1,039.14	6,893.61	1,921.95	1,607.99	313.96	6.122	
15,200.00	10,036.00	10,054.32	10,049.50	140.60	275.21	-90.00	-1,039.14	6,893.61	1,821.95	1,507.92	314.03	5.802	
15,300.00	10,036.00	10,054.32	10,049.50	143.13	275.21	-90.00	-1,039.14	6,893.61	1,721.96	1,407.85	314.11	5.482	
15,400.00	10,036.00	10,054.32	10,049.50	145.66	275.21	-90.00	-1,039.14	6,893.61	1,621.96	1,307.77	314.19	5.162	
15,500.00	10,036.00	10,054.32	10,049.50	148.19	275.21	-90.00	-1,039.14	6,893.61	1,521.97	1,207.68	314.28	4.843	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Big Chief - Big Cheif #1 - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 150-INC-ONLY														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,600.00	10,036.00	10,054.32	10,049.50	150.73	275.21	-90.00	-1,039.14	6,893.61	1,421.97	1,107.59	314.38	4.523			
15,700.00	10,036.00	10,054.32	10,049.50	153.27	275.21	-90.00	-1,039.14	6,893.61	1,321.98	1,007.49	314.49	4.204			
15,800.00	10,036.00	10,054.32	10,049.50	155.82	275.21	-90.00	-1,039.14	6,893.61	1,221.99	907.38	314.61	3.884			
15,900.00	10,036.00	10,054.32	10,049.50	158.37	275.21	-90.00	-1,039.14	6,893.61	1,122.00	807.26	314.74	3.565			
16,000.00	10,036.00	10,054.32	10,049.50	160.92	275.21	-90.00	-1,039.14	6,893.61	1,022.01	707.12	314.89	3.246			
16,100.00	10,036.00	10,054.32	10,049.50	163.47	275.21	-90.00	-1,039.14	6,893.61	922.03	606.96	315.07	2.926			
16,200.00	10,036.00	10,054.32	10,049.50	166.02	275.21	-90.00	-1,039.14	6,893.61	822.04	506.77	315.28	2.607			
16,300.00	10,036.00	10,054.32	10,049.50	168.58	275.21	-90.00	-1,039.14	6,893.61	722.06	406.53	315.53	2.288			
16,400.00	10,036.00	10,054.32	10,049.50	171.14	275.21	-90.00	-1,039.14	6,893.61	622.09	306.23	315.87	1.969			
16,500.00	10,036.00	10,054.32	10,049.50	173.70	275.21	-90.00	-1,039.14	6,893.61	522.14	205.81	316.32	1.651			
16,600.00	10,036.00	10,054.32	10,049.50	176.26	275.21	-90.00	-1,039.14	6,893.61	422.20	105.20	316.99	1.332	Level 3		
16,700.00	10,036.00	10,054.32	10,049.50	178.83	275.21	-90.00	-1,039.14	6,893.61	322.29	4.18	318.11	1.013	Level 3		
16,800.00	10,036.00	10,054.32	10,049.50	181.40	275.21	-90.00	-1,039.14	6,893.61	222.48	-97.92	320.40	0.694	Level 3		
16,900.00	10,036.00	10,054.32	10,049.50	183.96	275.21	-90.00	-1,039.14	6,893.61	122.96	-204.38	327.34	0.376	Level 3		
17,000.00	10,036.00	10,054.32	10,049.50	186.53	275.21	-90.00	-1,039.14	6,893.61	27.26	-373.55	400.82	0.068	Level 3		
17,021.88	10,036.00	10,054.32	10,049.50	187.10	275.21	-90.00	-1,039.14	6,893.61	16.26	-440.25	456.51	0.036	Level 3, CC, ES, SF		
17,100.00	10,036.00	10,054.32	10,049.50	189.11	275.21	-90.00	-1,039.14	6,893.61	79.79	-237.43	317.22	0.252	Level 3		
17,200.00	10,036.00	10,054.32	10,049.50	191.68	275.21	-90.00	-1,039.14	6,893.61	178.86	-133.06	311.92	0.573	Level 3		
17,300.00	10,036.00	10,054.32	10,049.50	194.26	275.21	-90.00	-1,039.14	6,893.61	278.59	-33.57	312.16	0.892	Level 3		
17,400.00	10,036.00	10,054.32	10,049.50	196.83	275.21	-90.00	-1,039.14	6,893.61	378.47	65.87	312.60	1.211	Level 3		
17,500.00	10,036.00	10,054.32	10,049.50	199.41	275.21	-90.00	-1,039.14	6,893.61	478.39	165.43	312.96	1.529			
17,600.00	10,036.00	10,054.32	10,049.50	201.99	275.21	-90.00	-1,039.14	6,893.61	578.35	265.09	313.26	1.846			
17,700.00	10,036.00	10,054.32	10,049.50	204.57	275.21	-90.00	-1,039.14	6,893.61	678.31	364.82	313.50	2.164			
17,800.00	10,036.00	10,054.32	10,049.50	207.15	275.21	-90.00	-1,039.14	6,893.61	778.29	464.59	313.70	2.481			
17,900.00	10,036.00	10,054.32	10,049.50	209.73	275.21	-90.00	-1,039.14	6,893.61	878.27	564.39	313.88	2.798			
18,000.00	10,036.00	10,054.32	10,049.50	212.32	275.21	-90.00	-1,039.14	6,893.61	978.25	664.22	314.03	3.115			
18,100.00	10,036.00	10,054.32	10,049.50	214.90	275.21	-90.00	-1,039.14	6,893.61	1,078.24	764.06	314.18	3.432			
18,200.00	10,036.00	10,054.32	10,049.50	217.49	275.21	-90.00	-1,039.14	6,893.61	1,178.23	863.92	314.31	3.749			
18,300.00	10,036.00	10,054.32	10,049.50	220.08	275.21	-90.00	-1,039.14	6,893.61	1,278.22	963.79	314.43	4.065			
18,400.00	10,036.00	10,054.32	10,049.50	222.67	275.21	-90.00	-1,039.14	6,893.61	1,378.21	1,063.67	314.55	4.382			
18,500.00	10,036.00	10,054.32	10,049.50	225.25	275.21	-90.00	-1,039.14	6,893.61	1,478.21	1,163.55	314.66	4.698			
18,600.00	10,036.00	10,054.32	10,049.50	227.84	275.21	-90.00	-1,039.14	6,893.61	1,578.20	1,263.44	314.76	5.014			
18,700.00	10,036.00	10,054.32	10,049.50	230.44	275.21	-90.00	-1,039.14	6,893.61	1,678.20	1,363.33	314.87	5.330			
18,703.19	10,036.00	10,054.32	10,049.50	230.52	275.21	-90.00	-1,039.14	6,893.61	1,681.39	1,366.52	314.87	5.340			

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Big Chief - Big Cheif Fee #10 - OH - OH													Offset Site Error:	0.00 usft	
Survey Program: 25-GYRO-NS				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,300.00	10,036.00	10,104.89	10,101.11	118.05	35.23	-93.43	-138.25	5,942.74	2,008.01	1,898.16	109.85	18.280			
14,400.00	10,036.00	10,102.72	10,098.94	120.53	35.22	-93.30	-138.21	5,942.79	1,919.90	1,807.13	112.77	17.025			
14,500.00	10,036.00	10,100.58	10,096.81	123.02	35.21	-93.17	-138.17	5,942.83	1,833.01	1,717.03	115.99	15.804			
14,600.00	10,036.00	10,098.19	10,094.42	125.52	35.21	-93.02	-138.12	5,942.88	1,747.52	1,628.01	119.52	14.622			
14,700.00	10,036.00	10,095.82	10,092.05	128.02	35.20	-92.87	-138.08	5,942.93	1,663.65	1,540.25	123.39	13.482			
14,800.00	10,036.00	10,093.46	10,089.69	130.53	35.19	-92.73	-138.03	5,942.98	1,581.64	1,454.00	127.65	12.391			
14,900.00	10,036.00	10,091.12	10,087.34	133.04	35.18	-92.58	-137.99	5,943.03	1,501.82	1,369.51	132.31	11.351			
15,000.00	10,036.00	10,088.78	10,085.01	135.55	35.17	-92.44	-137.95	5,943.08	1,424.54	1,287.15	137.39	10.368			
15,100.00	10,036.00	10,086.46	10,082.69	138.07	35.17	-92.30	-137.90	5,943.13	1,350.25	1,207.33	142.92	9.448			
15,200.00	10,036.00	10,084.16	10,080.39	140.60	35.16	-92.15	-137.86	5,943.18	1,279.46	1,130.59	148.87	8.595			
15,300.00	10,036.00	10,081.87	10,078.10	143.13	35.15	-92.01	-137.82	5,943.22	1,212.78	1,057.58	155.21	7.814			
15,400.00	10,036.00	10,079.59	10,075.82	145.66	35.14	-91.87	-137.78	5,943.27	1,150.94	989.08	161.86	7.111			
15,500.00	10,036.00	10,077.33	10,073.56	148.19	35.13	-91.73	-137.74	5,943.32	1,094.75	926.06	168.69	6.490			
15,600.00	10,036.00	10,075.07	10,071.31	150.73	35.13	-91.59	-137.70	5,943.37	1,045.12	869.62	175.50	5.955			
15,700.00	10,036.00	10,073.22	10,069.45	153.27	35.12	-91.48	-137.67	5,943.40	1,003.03	821.04	181.99	5.511			
15,800.00	10,036.00	10,071.41	10,067.64	155.82	35.11	-91.37	-137.64	5,943.44	969.46	781.63	187.83	5.161			
15,900.00	10,036.00	10,069.63	10,065.86	158.37	35.11	-91.26	-137.61	5,943.48	945.32	752.69	192.63	4.907			
16,000.00	10,036.00	10,067.87	10,064.11	160.92	35.10	-91.15	-137.58	5,943.51	931.34	735.30	196.04	4.751			
16,081.19	10,036.00	10,066.47	10,062.71	162.99	35.10	-91.06	-137.55	5,943.54	927.80	730.20	197.60	4.695 CC			
16,100.00	10,036.00	10,066.15	10,062.39	163.47	35.09	-91.04	-137.54	5,943.55	927.99	730.19	197.80	4.692 ES, SF			
16,200.00	10,036.00	10,064.46	10,060.70	166.02	35.09	-90.94	-137.51	5,943.58	935.37	737.57	197.81	4.729			
16,300.00	10,036.00	10,062.79	10,059.03	168.58	35.08	-90.84	-137.48	5,943.61	953.24	757.10	196.14	4.860			
16,400.00	10,036.00	10,061.15	10,057.39	171.14	35.08	-90.73	-137.45	5,943.64	981.03	787.99	193.04	5.082			
16,500.00	10,036.00	10,059.54	10,055.78	173.70	35.07	-90.63	-137.42	5,943.67	1,017.92	829.08	188.84	5.391			
16,600.00	10,036.00	10,057.96	10,054.20	176.26	35.07	-90.54	-137.38	5,943.70	1,062.96	879.09	183.87	5.781			
16,700.00	10,036.00	10,056.39	10,052.63	178.83	35.06	-90.44	-137.35	5,943.73	1,115.17	936.69	178.48	6.248			
16,800.00	10,036.00	10,054.86	10,051.10	181.40	35.06	-90.35	-137.32	5,943.76	1,173.60	1,000.67	172.93	6.787			
16,900.00	10,036.00	10,053.34	10,049.59	183.96	35.05	-90.25	-137.29	5,943.79	1,237.35	1,069.94	167.41	7.391			
17,000.00	10,036.00	10,050.00	10,046.24	186.53	35.04	-90.05	-137.22	5,943.85	1,305.66	1,143.60	162.06	8.057			
17,100.00	10,036.00	10,050.60	10,046.85	189.11	35.04	-90.08	-137.23	5,943.84	1,377.84	1,220.87	156.97	8.777			
17,200.00	10,036.00	10,048.28	10,044.53	191.68	35.03	-89.94	-137.18	5,943.88	1,453.32	1,301.14	152.19	9.550			
17,300.00	10,036.00	10,045.80	10,042.04	194.26	35.02	-89.79	-137.12	5,943.93	1,531.61	1,383.89	147.72	10.368			
17,400.00	10,036.00	10,043.13	10,039.38	196.83	35.01	-89.62	-137.07	5,943.98	1,612.30	1,468.71	143.59	11.229			
17,500.00	10,036.00	10,040.26	10,036.51	199.41	35.00	-89.44	-137.00	5,944.04	1,695.05	1,555.28	139.77	12.128			
17,600.00	10,036.00	10,037.16	10,033.41	201.99	34.99	-89.25	-136.93	5,944.11	1,779.56	1,643.31	136.25	13.061			
17,700.00	10,036.00	10,033.81	10,030.06	204.57	34.98	-89.05	-136.85	5,944.18	1,865.60	1,732.60	133.01	14.026			
17,800.00	10,036.00	10,030.17	10,026.42	207.15	34.97	-88.82	-136.77	5,944.26	1,952.97	1,822.94	130.03	15.020			
17,900.00	10,036.00	10,026.20	10,022.45	209.73	34.96	-88.58	-136.67	5,944.36	2,041.50	1,914.21	127.29	16.038			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Big Chief - Big Cheif Fee #6 - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 25-GYRO-NS														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	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	124.60	-1,101.66	1,596.90	1,940.08						
100.00	100.00	79.59	79.59	0.50	0.21	124.61	-1,102.23	1,597.09	1,940.54	1,940.06	0.47	4,124.562			
200.00	200.00	168.35	168.34	1.05	0.53	124.62	-1,102.96	1,597.50	1,941.36	1,940.21	1.15	1,691.349			
300.00	300.00	273.62	273.60	1.55	0.90	124.63	-1,103.55	1,598.13	1,942.17	1,940.29	1.88	1,031.821			
400.00	400.00	370.76	370.74	1.98	1.24	124.62	-1,103.84	1,598.76	1,942.87	1,940.29	2.59	751.530			
500.00	500.00	471.50	471.49	2.40	1.60	124.62	-1,104.37	1,599.46	1,943.74	1,940.44	3.30	589.281			
600.00	600.00	575.00	574.98	2.79	1.96	124.61	-1,104.36	1,600.15	1,944.28	1,940.25	4.03	482.301			
700.00	700.00	675.00	674.98	3.18	2.31	124.59	-1,104.30	1,601.09	1,945.02	1,940.28	4.74	410.315			
800.00	800.00	770.25	770.22	3.56	2.64	124.58	-1,104.33	1,602.01	1,945.83	1,940.40	5.43	358.129			
900.00	900.00	878.25	878.21	3.94	3.02	124.56	-1,104.03	1,603.06	1,946.47	1,940.30	6.17	315.482			
1,000.00	1,000.00	978.62	978.58	4.32	3.37	124.53	-1,103.62	1,603.98	1,947.00	1,940.12	6.88	283.023			
1,100.00	1,100.00	1,075.00	1,074.96	4.69	3.70	124.51	-1,103.30	1,604.79	1,947.50	1,939.93	7.57	257.101			
1,200.00	1,200.00	1,180.74	1,180.69	5.06	4.07	124.48	-1,102.74	1,605.81	1,948.00	1,939.69	8.30	234.614			
1,300.00	1,300.00	1,276.31	1,276.26	5.43	4.41	124.45	-1,102.10	1,606.78	1,948.45	1,939.46	9.00	216.597			
1,400.00	1,400.00	1,381.56	1,381.49	5.79	4.77	124.41	-1,101.18	1,607.82	1,948.77	1,939.05	9.72	200.459			
1,500.00	1,500.00	1,481.68	1,481.61	6.16	5.12	124.37	-1,100.14	1,608.79	1,948.99	1,938.56	10.43	186.877			
1,600.00	1,600.00	1,575.00	1,574.91	6.53	5.45	124.31	-1,098.87	1,610.01	1,949.30	1,938.19	11.11	175.395			
1,700.00	1,700.00	1,669.32	1,669.19	6.89	5.79	124.25	-1,097.27	1,611.78	1,949.91	1,938.10	11.81	165.132			
1,800.00	1,800.00	1,750.00	1,749.82	7.25	6.07	124.17	-1,095.47	1,614.03	1,951.02	1,938.57	12.45	156.719			
1,900.00	1,900.00	1,838.57	1,838.28	7.62	6.38	124.05	-1,093.38	1,617.91	1,953.32	1,940.20	13.12	148.881			
2,000.00	2,000.00	1,934.70	1,934.27	7.98	6.72	123.91	-1,090.93	1,622.56	1,955.91	1,942.09	13.82	141.566			
2,100.00	2,099.99	2,020.05	2,019.48	8.30	7.02	-68.20	-1,089.02	1,627.02	1,958.50	1,944.05	14.45	135.496			
2,200.00	2,199.91	2,116.53	2,115.80	8.78	7.36	-68.41	-1,086.94	1,632.19	1,960.33	1,945.22	15.12	129.678			
2,300.00	2,299.69	2,212.71	2,211.80	9.25	7.70	-68.70	-1,084.98	1,637.78	1,961.68	1,945.90	15.78	124.293			
2,400.00	2,399.27	2,306.98	2,305.88	9.71	8.03	-69.06	-1,083.11	1,643.42	1,962.34	1,945.89	16.45	119.312			
2,500.00	2,498.57	2,410.80	2,409.50	10.16	8.39	-69.54	-1,081.13	1,649.54	1,962.11	1,944.96	17.15	114.376			
2,600.00	2,597.54	2,520.30	2,518.83	10.61	8.78	-70.12	-1,079.30	1,655.30	1,960.72	1,942.83	17.89	109.583			
2,700.00	2,696.11	2,637.90	2,636.33	10.95	9.19	-70.80	-1,077.78	1,659.93	1,957.73	1,939.06	18.67	104.854			
2,800.00	2,794.59	2,738.35	2,736.73	11.26	9.54	-71.35	-1,077.04	1,662.98	1,954.26	1,934.86	19.40	100.730			
2,900.00	2,893.08	2,832.59	2,830.93	11.59	9.88	-71.85	-1,076.65	1,665.76	1,951.08	1,930.96	20.12	96.968			
3,000.00	2,991.56	2,945.13	2,943.44	11.92	10.27	-72.44	-1,076.64	1,668.39	1,947.72	1,926.80	20.91	93.129			
3,100.00	3,090.04	3,052.83	3,051.11	12.26	10.65	-73.00	-1,076.33	1,670.53	1,944.09	1,922.39	21.70	89.598			
3,200.00	3,188.52	3,154.67	3,152.94	12.61	11.00	-73.53	-1,075.81	1,671.96	1,940.03	1,917.56	22.47	86.353			
3,300.00	3,287.00	3,254.88	3,253.14	12.96	11.35	-74.06	-1,075.50	1,673.29	1,936.14	1,912.91	23.24	83.327			
3,400.00	3,385.48	3,364.05	3,362.30	13.32	11.74	-74.62	-1,075.14	1,674.46	1,932.19	1,908.15	24.04	80.371			
3,500.00	3,483.96	3,468.54	3,466.79	13.69	12.10	-75.17	-1,074.56	1,675.03	1,927.83	1,903.00	24.83	77.630			
3,600.00	3,582.44	3,565.31	3,563.55	14.06	12.44	-75.66	-1,074.21	1,675.47	1,923.65	1,898.04	25.61	75.126			
3,700.00	3,680.92	3,659.09	3,657.33	14.44	12.77	-76.15	-1,074.02	1,675.97	1,919.75	1,893.38	26.37	72.795			
3,800.00	3,779.40	3,763.33	3,761.58	14.82	13.13	-76.68	-1,073.89	1,676.41	1,915.94	1,888.76	27.18	70.496			
3,900.00	3,877.88	3,860.71	3,858.96	15.21	13.47	-77.19	-1,073.55	1,676.92	1,912.29	1,884.32	27.96	68.383			
4,000.00	3,976.36	3,964.74	3,962.98	15.61	13.84	-77.74	-1,073.10	1,677.14	1,908.47	1,879.69	28.78	66.323			
4,100.00	4,074.85	4,063.50	4,061.75	16.02	14.18	-78.25	-1,072.78	1,677.27	1,904.79	1,875.22	29.57	64.413			
4,200.00	4,173.33	4,159.41	4,157.65	16.43	14.52	-78.75	-1,072.57	1,677.44	1,901.35	1,870.98	30.36	62.623			
4,300.00	4,271.81	4,259.20	4,257.44	16.85	14.86	-79.27	-1,072.27	1,677.60	1,898.02	1,866.86	31.17	60.897			
4,400.00	4,370.29	4,359.23	4,357.47	17.27	15.21	-79.80	-1,071.87	1,677.82	1,894.88	1,862.90	31.98	59.257			
4,500.00	4,468.77	4,458.08	4,456.32	17.70	15.56	-80.33	-1,071.44	1,677.93	1,891.76	1,858.98	32.78	57.704			
4,600.00	4,567.25	4,556.19	4,554.43	18.13	15.90	-80.84	-1,071.20	1,677.99	1,888.85	1,855.26	33.59	56.232			
4,700.00	4,665.73	4,653.08	4,651.32	18.57	16.24	-81.36	-1,070.74	1,678.18	1,886.14	1,851.74	34.40	54.836			
4,800.00	4,764.21	4,746.97	4,745.21	19.01	16.57	-81.86	-1,070.51	1,678.39	1,883.69	1,848.50	35.19	53.525			
4,900.00	4,862.69	4,848.50	4,846.73	19.46	16.92	-82.40	-1,070.28	1,678.65	1,881.45	1,845.43	36.02	52.236			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Big Chief - Big Cheif Fee #6 - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 25-GYRO-NS													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,961.17	4,946.60	4,944.83	19.90	17.27	-82.93	-1,070.09	1,678.99	1,879.46	1,842.63	36.83	51.026	
5,100.00	5,059.65	5,041.53	5,039.77	20.35	17.60	-83.43	-1,070.01	1,679.36	1,877.71	1,840.07	37.64	49.887	
5,200.00	5,158.13	5,142.51	5,140.75	20.81	17.95	-83.97	-1,069.96	1,679.70	1,876.08	1,837.61	38.47	48.770	
5,300.00	5,256.61	5,242.47	5,240.70	21.26	18.30	-84.50	-1,070.09	1,679.88	1,874.52	1,835.23	39.29	47.706	
5,400.00	5,355.10	5,348.53	5,346.76	21.72	18.67	-85.05	-1,070.37	1,679.57	1,872.71	1,832.57	40.14	46.658	
5,500.00	5,453.58	5,447.44	5,445.67	22.18	19.01	-85.56	-1,070.53	1,679.21	1,870.96	1,830.01	40.96	45.680	
5,600.00	5,552.06	5,547.29	5,545.52	22.64	19.35	-86.09	-1,070.62	1,678.86	1,869.36	1,827.58	41.78	44.741	
5,700.00	5,650.54	5,645.85	5,644.07	23.10	19.69	-86.60	-1,070.78	1,678.38	1,867.81	1,825.20	42.60	43.842	
5,800.00	5,749.02	5,743.79	5,742.01	23.56	20.03	-87.12	-1,070.88	1,677.98	1,866.47	1,823.04	43.42	42.984	
5,900.00	5,847.50	5,840.91	5,839.14	24.03	20.37	-87.63	-1,070.97	1,677.66	1,865.36	1,821.12	44.24	42.165	
6,000.00	5,945.98	5,947.93	5,946.15	24.49	20.74	-88.19	-1,071.22	1,677.00	1,864.17	1,819.08	45.09	41.343	
6,100.00	6,044.46	6,043.01	6,041.23	24.96	21.07	-88.68	-1,071.51	1,676.21	1,862.94	1,817.04	45.90	40.585	
6,200.00	6,142.94	6,140.11	6,138.32	25.42	21.40	-89.18	-1,071.90	1,675.51	1,861.99	1,815.27	46.72	39.854	
6,300.00	6,241.42	6,240.35	6,238.56	25.89	21.75	-89.70	-1,072.38	1,674.81	1,861.24	1,813.69	47.55	39.144	
6,400.00	6,339.90	6,342.35	6,340.55	26.36	22.10	-90.22	-1,073.02	1,673.72	1,860.30	1,811.91	48.38	38.449	
6,500.00	6,438.38	6,440.15	6,438.35	26.83	22.44	-90.71	-1,073.87	1,672.83	1,859.71	1,810.50	49.21	37.795	
6,600.00	6,536.86	6,538.49	6,536.68	27.30	22.79	-91.21	-1,074.77	1,672.02	1,859.36	1,809.34	50.03	37.166	
6,700.00	6,635.35	6,637.44	6,635.63	27.77	23.13	-91.72	-1,075.11	1,671.19	1,859.04	1,808.19	50.85	36.557	
6,800.00	6,733.83	6,739.24	6,737.42	28.24	23.48	-92.26	-1,075.16	1,670.32	1,858.81	1,807.12	51.69	35.963	
6,900.00	6,832.31	6,839.38	6,837.56	28.72	23.83	-92.80	-1,074.87	1,669.35	1,858.56	1,806.05	52.51	35.391	
6,917.50	6,849.54	6,854.07	6,852.24	28.80	23.88	-92.88	-1,074.81	1,669.22	1,858.55	1,805.90	52.65	35.300	
7,000.00	6,930.79	6,925.00	6,923.17	29.19	24.13	-93.27	-1,074.32	1,668.83	1,858.80	1,805.51	53.29	34.878	
7,100.00	7,029.27	7,019.31	7,017.48	29.66	24.46	-93.79	-1,073.68	1,668.66	1,859.60	1,805.50	54.10	34.372	
7,200.00	7,127.75	7,113.56	7,111.73	30.14	24.78	-94.32	-1,072.98	1,668.89	1,860.99	1,806.08	54.91	33.892	
7,300.00	7,226.23	7,209.39	7,207.55	30.61	25.12	-94.85	-1,072.26	1,669.00	1,862.42	1,806.70	55.72	33.423	
7,400.00	7,324.71	7,306.40	7,304.56	31.08	25.46	-95.39	-1,071.42	1,669.21	1,864.12	1,807.58	56.54	32.971	
7,500.00	7,423.19	7,400.08	7,398.24	31.56	25.79	-95.91	-1,070.81	1,669.98	1,866.59	1,809.25	57.34	32.552	
7,600.00	7,521.67	7,493.83	7,491.98	32.03	26.11	-96.41	-1,070.88	1,670.82	1,869.39	1,811.24	58.14	32.151	
7,700.00	7,620.15	7,598.31	7,596.46	32.51	26.48	-96.96	-1,071.09	1,671.60	1,872.21	1,813.22	58.99	31.740	
7,800.00	7,718.63	7,686.40	7,684.54	32.99	26.79	-97.40	-1,071.77	1,672.18	1,875.15	1,815.39	59.76	31.376	
7,900.00	7,817.11	7,789.04	7,787.18	33.46	27.15	-97.91	-1,072.68	1,673.08	1,878.46	1,817.86	60.60	30.998	
8,000.00	7,915.60	7,885.83	7,883.96	33.94	27.48	-98.39	-1,073.68	1,673.95	1,881.93	1,820.52	61.41	30.646	
8,100.00	8,014.08	7,975.00	7,973.11	34.42	27.80	-98.83	-1,074.57	1,675.08	1,885.90	1,823.71	62.19	30.326	
8,200.00	8,112.56	8,068.78	8,066.88	34.89	28.12	-99.30	-1,075.47	1,676.39	1,890.15	1,827.17	62.98	30.011	
8,300.00	8,211.04	8,166.03	8,164.10	35.37	28.46	-99.76	-1,076.88	1,678.06	1,894.86	1,831.07	63.79	29.704	
8,400.00	8,309.52	8,264.26	8,262.31	35.85	28.81	-100.22	-1,078.50	1,679.56	1,899.52	1,834.92	64.60	29.403	
8,500.00	8,408.00	8,364.30	8,362.32	36.33	29.16	-100.69	-1,080.20	1,681.28	1,904.50	1,839.08	65.42	29.111	
8,600.00	8,506.48	8,456.34	8,454.32	36.80	29.48	-101.10	-1,082.42	1,683.11	1,909.86	1,843.66	66.20	28.848	
8,700.00	8,605.02	8,558.37	8,556.27	37.27	29.84	-101.56	-1,085.28	1,685.58	1,915.72	1,848.70	67.02	28.584	
8,800.00	8,703.94	8,657.92	8,655.77	37.72	30.18	-101.98	-1,088.22	1,687.22	1,920.42	1,852.61	67.81	28.320	
8,900.00	8,803.20	8,738.90	8,736.70	38.15	30.47	-102.28	-1,090.15	1,689.29	1,925.48	1,856.98	68.50	28.110	
9,000.00	8,902.74	8,842.15	8,839.87	38.55	30.83	-102.55	-1,092.97	1,691.98	1,930.11	1,860.85	69.26	27.867	
9,100.00	9,002.50	8,943.15	8,940.80	38.92	31.18	-102.72	-1,095.76	1,694.66	1,934.25	1,864.26	69.99	27.637	
9,200.00	9,102.41	9,061.26	9,058.84	39.27	31.59	-102.82	-1,098.80	1,697.28	1,937.41	1,866.64	70.76	27.379	
9,300.00	9,202.39	9,156.27	9,153.80	39.59	31.93	-102.83	-1,101.13	1,699.89	1,939.44	1,868.02	71.42	27.157	
9,400.00	9,302.39	9,253.45	9,250.93	39.86	32.27	-102.85	-1,103.89	1,700.46	1,941.03	1,869.00	72.03	26.948	
9,500.00	9,402.39	9,378.18	9,375.59	40.14	32.70	-102.86	-1,107.59	1,702.49	1,942.68	1,869.92	72.76	26.700	
9,600.00	9,502.36	9,475.97	9,473.35	40.42	33.04	-102.87	-1,110.03	1,703.23	1,942.07	1,868.68	73.39	26.462	
9,700.00	9,601.02	9,571.96	9,569.31	40.70	33.38	-102.88	-1,112.10	1,703.91	1,927.24	1,853.06	74.18	25.980	
9,800.00	9,695.49	9,675.00	9,672.33	41.28	33.74	-102.89	-1,114.13	1,704.54	1,895.39	1,820.41	74.98	25.279	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Big Chief - Big Cheif Fee #6 - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 25-GYRO-NS														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,900.00	9,782.90	9,757.71	9,755.03	41.63	34.03	0.24	-1,115.59	1,705.13	1,847.67	1,772.04	75.64	24.428			
10,000.00	9,860.58	9,829.12	9,826.42	41.91	34.28	0.35	-1,117.01	1,705.89	1,785.72	1,709.54	76.18	23.441			
10,100.00	9,926.19	9,913.75	9,911.02	42.12	34.57	0.56	-1,118.92	1,706.33	1,710.74	1,634.05	76.69	22.308			
10,200.00	9,977.73	9,966.97	9,964.24	42.30	34.76	0.85	-1,119.70	1,706.35	1,625.20	1,548.19	77.01	21.105			
10,300.00	10,013.62	10,003.09	10,000.36	42.46	34.88	1.47	-1,119.95	1,706.35	1,532.00	1,454.80	77.20	19.844			
10,400.00	10,032.79	10,021.86	10,019.13	42.66	34.95	4.14	-1,120.08	1,706.35	1,433.99	1,356.70	77.29	18.554			
10,500.00	10,036.00	10,025.02	10,022.28	42.94	34.96	88.87	-1,120.11	1,706.35	1,334.10	1,256.80	77.30	17.259			
10,600.00	10,036.00	10,025.02	10,022.29	43.36	34.96	88.92	-1,120.11	1,706.35	1,234.11	1,156.81	77.29	15.966			
10,700.00	10,036.00	10,025.03	10,022.30	43.94	34.96	88.96	-1,120.11	1,706.35	1,134.11	1,056.82	77.29	14.674			
10,800.00	10,036.00	10,025.04	10,022.31	44.70	34.96	89.00	-1,120.11	1,706.35	1,034.12	956.83	77.28	13.381			
10,900.00	10,036.00	10,025.05	10,022.31	45.66	34.96	89.04	-1,120.11	1,706.35	934.12	856.85	77.28	12.088			
11,000.00	10,036.00	10,025.06	10,022.32	46.80	34.96	89.09	-1,120.11	1,706.35	834.13	756.87	77.26	10.796			
11,100.00	10,036.00	10,025.07	10,022.33	48.10	34.96	89.13	-1,120.11	1,706.35	734.14	656.89	77.25	9.504			
11,200.00	10,036.00	10,025.07	10,022.34	49.54	34.96	89.17	-1,120.11	1,706.35	634.15	556.93	77.23	8.212			
11,300.00	10,036.00	10,025.08	10,022.35	51.09	34.96	89.21	-1,120.11	1,706.35	534.17	456.98	77.19	6.920			
11,400.00	10,036.00	10,025.09	10,022.36	52.75	34.96	89.26	-1,120.11	1,706.35	434.20	357.05	77.14	5.628			
11,500.00	10,036.00	10,025.10	10,022.36	54.49	34.96	89.30	-1,120.11	1,706.35	334.24	257.18	77.06	4.338			
11,600.00	10,036.00	10,025.11	10,022.37	56.32	34.96	89.34	-1,120.11	1,706.35	234.32	157.42	76.90	3.047			
11,700.00	10,036.00	10,025.11	10,022.38	58.21	34.96	89.38	-1,120.11	1,706.35	134.51	58.00	76.51	1.758			
11,800.00	10,036.00	10,025.12	10,022.39	60.16	34.96	89.42	-1,120.11	1,706.35	35.79	-39.48	75.28	0.475 Level 3			
11,834.00	10,036.00	10,025.12	10,022.39	60.84	34.96	89.44	-1,120.11	1,706.35	11.01	-83.25	94.25	0.117 Level 3, CC, ES, SF			
11,900.00	10,036.00	10,025.13	10,022.40	62.17	34.96	89.47	-1,120.11	1,706.35	66.85	-13.44	80.29	0.833 Level 3			
12,000.00	10,036.00	10,025.14	10,022.40	64.22	34.96	89.51	-1,120.11	1,706.35	166.31	87.73	78.58	2.116			
12,100.00	10,036.00	10,025.15	10,022.41	66.31	34.96	89.55	-1,120.11	1,706.35	266.17	187.97	78.20	3.404			
12,200.00	10,036.00	10,025.15	10,022.42	68.45	34.96	89.59	-1,120.11	1,706.35	366.11	288.06	78.05	4.691			
12,300.00	10,036.00	10,025.16	10,022.43	70.62	34.96	89.63	-1,120.11	1,706.35	466.07	388.10	77.97	5.977			
12,400.00	10,036.00	10,025.17	10,022.44	72.82	34.96	89.68	-1,120.11	1,706.35	566.05	488.12	77.93	7.264			
12,500.00	10,036.00	10,025.18	10,022.44	75.04	34.96	89.72	-1,120.11	1,706.35	666.03	588.12	77.91	8.549			
12,600.00	10,036.00	10,025.19	10,022.45	77.30	34.96	89.76	-1,120.11	1,706.35	766.02	688.12	77.90	9.834			
12,700.00	10,036.00	10,025.19	10,022.46	79.58	34.96	89.80	-1,120.11	1,706.35	866.01	788.12	77.90	11.118			
12,800.00	10,036.00	10,025.20	10,022.47	81.87	34.96	89.84	-1,120.11	1,706.35	966.00	888.10	77.90	12.401			
12,900.00	10,036.00	10,025.21	10,022.48	84.19	34.96	89.89	-1,120.11	1,706.35	1,066.00	988.09	77.91	13.683			
13,000.00	10,036.00	10,025.22	10,022.48	86.53	34.96	89.93	-1,120.11	1,706.35	1,165.99	1,088.07	77.92	14.964			
13,100.00	10,036.00	10,025.23	10,022.49	88.88	34.96	89.97	-1,120.11	1,706.35	1,265.99	1,188.05	77.94	16.244			
13,200.00	10,036.00	10,025.23	10,022.50	91.25	34.96	90.01	-1,120.11	1,706.35	1,365.99	1,288.03	77.95	17.523			
13,300.00	10,036.00	10,025.24	10,022.51	93.64	34.96	90.05	-1,120.11	1,706.35	1,465.98	1,388.01	77.97	18.801			
13,400.00	10,036.00	10,025.25	10,022.52	96.03	34.96	90.09	-1,120.11	1,706.35	1,565.98	1,487.99	77.99	20.078			
13,500.00	10,036.00	10,025.26	10,022.52	98.44	34.96	90.14	-1,120.11	1,706.35	1,665.98	1,587.96	78.02	21.354			
13,600.00	10,036.00	10,025.27	10,022.53	100.86	34.96	90.18	-1,120.11	1,706.35	1,765.98	1,687.93	78.04	22.628			
13,700.00	10,036.00	10,025.27	10,022.54	103.29	34.96	90.22	-1,120.11	1,706.35	1,865.97	1,787.91	78.07	23.902			
13,800.00	10,036.00	10,025.28	10,022.55	105.73	34.96	90.26	-1,120.11	1,706.35	1,965.97	1,887.88	78.10	25.174			
13,900.00	10,036.00	10,025.29	10,022.56	108.17	34.96	90.30	-1,120.11	1,706.35	2,065.97	1,987.85	78.12	26.445			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 121H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		194-MWD+IGRF					Rule Assigned:				Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	2.00	2.00	0.00	0.01	-45.00	30.00	-30.00	42.43					
100.00	100.00	101.98	101.98	0.50	0.63	-45.35	29.83	-30.20	42.45	41.70	0.75	56.700		
200.00	200.00	201.93	201.93	1.05	1.22	-46.38	29.33	-30.78	42.52	40.94	1.58	26.916		
300.00	300.00	301.76	301.74	1.55	1.45	-48.16	28.66	-32.00	42.96	40.75	2.21	19.407		
400.00	400.00	401.63	401.60	1.98	1.78	-50.40	27.86	-33.67	43.70	40.72	2.99	14.634		
500.00	500.00	501.50	501.46	2.40	2.20	-52.39	27.33	-35.47	44.78	40.95	3.83	11.691		
600.00	600.00	601.53	601.46	2.79	2.61	-54.05	27.00	-37.24	46.00	41.36	4.64	9.919		
700.00	700.00	701.69	701.62	3.18	2.95	-55.16	26.86	-38.59	47.02	41.65	5.36	8.766		
800.00	800.00	801.87	801.79	3.56	3.31	-55.97	26.64	-39.45	47.60	41.51	6.08	7.823		
900.00	900.00	901.98	901.90	3.94	3.65	-56.90	26.18	-40.17	47.95	41.15	6.80	7.054		
1,000.00	1,000.00	1,002.12	1,002.03	4.32	3.99	-58.11	25.36	-40.76	48.01	40.51	7.50	6.405		
1,100.00	1,100.00	1,102.25	1,102.15	4.69	4.32	-59.67	24.16	-41.28	47.83	39.64	8.19	5.840		
1,139.40	1,139.40	1,141.50	1,141.40	4.83	4.45	-60.38	23.58	-41.47	47.70	39.23	8.47	5.629 ES		
1,200.00	1,200.00	1,200.79	1,200.68	5.06	4.68	-61.14	23.42	-42.49	48.53	39.58	8.95	5.420		
1,300.00	1,300.00	1,299.56	1,299.36	5.43	5.34	-61.72	24.93	-46.33	52.68	42.93	9.74	5.407		
1,400.00	1,400.00	1,400.00	1,399.69	5.79	5.77	-62.49	26.50	-50.89	57.42	46.97	10.46	5.492		
1,500.00	1,500.00	1,501.07	1,500.70	6.16	6.12	-63.25	27.24	-54.04	60.53	49.33	11.20	5.407		
1,600.00	1,600.00	1,601.41	1,601.02	6.53	6.47	-63.05	28.19	-55.46	62.22	50.34	11.88	5.238		
1,700.00	1,700.00	1,698.83	1,698.36	6.89	6.95	-61.46	31.41	-57.77	65.86	53.25	12.61	5.224 SF		
1,800.00	1,800.00	1,796.75	1,796.02	7.25	7.52	-59.49	36.73	-62.34	72.61	59.15	13.46	5.393		
1,900.00	1,900.00	1,893.76	1,892.49	7.62	8.02	-57.95	43.68	-69.76	82.86	68.57	14.29	5.798		
2,000.00	2,000.00	1,993.06	1,991.16	7.98	8.45	-56.99	50.91	-78.37	94.09	79.02	15.07	6.244		
2,100.00	2,099.99	2,090.26	2,087.57	8.30	8.80	111.96	58.34	-88.15	107.17	91.43	15.74	6.810		
2,200.00	2,199.91	2,188.64	2,185.00	8.78	9.15	113.62	66.29	-99.27	122.57	106.15	16.42	7.465		
2,300.00	2,299.69	2,285.90	2,281.36	9.25	9.51	115.86	74.06	-109.93	138.88	121.75	17.14	8.104		
2,400.00	2,399.27	2,379.44	2,373.62	9.71	9.94	118.14	82.99	-122.53	159.48	141.58	17.90	8.910		
2,500.00	2,498.57	2,475.52	2,468.17	10.16	10.34	120.24	92.10	-136.95	182.71	164.03	18.67	9.784		
2,600.00	2,597.54	2,571.19	2,562.23	10.61	10.67	122.55	101.99	-151.38	208.19	188.80	19.39	10.735		
2,700.00	2,696.11	2,668.03	2,657.48	10.95	11.02	124.97	111.92	-165.74	235.15	215.01	20.15	11.673		
2,800.00	2,794.59	2,765.16	2,753.10	11.26	11.37	127.21	121.62	-179.78	262.38	241.49	20.89	12.557		
2,900.00	2,893.08	2,862.30	2,848.84	11.59	11.73	129.09	131.05	-193.25	289.34	267.69	21.64	13.370		
3,000.00	2,991.56	2,959.49	2,944.68	11.92	12.09	130.70	140.42	-206.34	316.25	293.87	22.38	14.128		
3,100.00	3,090.04	3,056.52	3,040.47	12.26	12.45	132.16	149.76	-218.63	342.90	319.77	23.13	14.828		
3,200.00	3,188.52	3,153.37	3,136.13	12.61	12.82	133.46	159.20	-230.52	369.60	345.74	23.86	15.488		
3,300.00	3,287.00	3,252.57	3,234.17	12.96	13.20	134.61	168.43	-242.49	396.01	371.38	24.63	16.081		
3,400.00	3,385.48	3,352.34	3,332.89	13.32	13.59	135.59	176.85	-254.22	421.64	396.25	25.39	16.606		
3,500.00	3,483.96	3,452.52	3,432.12	13.69	13.98	136.48	184.74	-265.47	446.65	420.49	26.16	17.074		
3,600.00	3,582.44	3,549.99	3,528.76	14.06	14.35	137.30	192.09	-275.83	471.16	444.25	26.91	17.511		
3,700.00	3,680.92	3,645.83	3,623.77	14.44	14.73	138.01	199.34	-286.14	495.83	468.20	27.64	17.940		
3,800.00	3,779.40	3,742.81	3,719.88	14.82	15.11	138.64	206.67	-296.80	520.68	492.30	28.38	18.347		
3,900.00	3,877.88	3,841.11	3,817.31	15.21	15.51	139.20	213.85	-307.69	545.40	516.26	29.13	18.720		
4,000.00	3,976.36	3,944.68	3,920.03	15.61	15.92	139.72	220.69	-319.00	569.49	539.56	29.93	19.026		
4,100.00	4,074.85	4,046.30	4,021.02	16.02	16.35	140.33	227.14	-328.30	592.60	561.86	30.74	19.280		
4,200.00	4,173.33	4,142.13	4,116.35	16.43	16.74	141.03	233.79	-335.39	615.53	584.04	31.49	19.547		
4,300.00	4,271.81	4,241.44	4,215.15	16.85	17.12	141.69	240.55	-342.83	638.47	606.22	32.24	19.801		
4,400.00	4,370.29	4,340.63	4,313.84	17.27	17.50	142.26	246.80	-350.61	661.17	628.17	33.00	20.036		
4,500.00	4,468.77	4,441.95	4,414.70	17.70	17.89	142.81	252.76	-358.18	683.41	649.64	33.77	20.238		
4,600.00	4,567.25	4,539.09	4,511.42	18.13	18.26	143.33	258.40	-365.15	705.52	671.01	34.51	20.445		
4,700.00	4,665.73	4,649.03	4,620.99	18.57	18.69	144.02	265.06	-371.29	727.34	692.01	35.33	20.586		
4,800.00	4,764.21	4,778.79	4,750.63	19.01	19.22	145.14	270.21	-372.24	745.38	709.14	36.24	20.570		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 121H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 194-MWD+IGRF													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,862.69	4,880.22	4,852.03	19.46	19.54	146.03	272.35	-371.30	761.37	724.42	36.95	20.605	
5,000.00	4,961.17	4,977.99	4,949.78	19.90	19.84	146.84	274.38	-370.68	777.61	739.96	37.65	20.655	
5,100.00	5,059.65	5,090.14	5,061.91	20.35	20.17	147.74	275.98	-369.47	793.26	754.86	38.39	20.662	
5,200.00	5,158.13	5,190.36	5,162.11	20.81	20.46	148.55	276.49	-367.60	807.92	768.82	39.10	20.663	
5,300.00	5,256.61	5,285.98	5,257.70	21.26	20.74	149.30	277.09	-365.69	822.81	783.03	39.78	20.684	
5,400.00	5,355.10	5,385.86	5,357.56	21.72	21.03	150.05	277.71	-363.68	837.83	797.35	40.47	20.701	
5,500.00	5,453.58	5,482.82	5,454.50	22.18	21.31	150.75	278.48	-361.93	853.21	812.05	41.16	20.731	
5,600.00	5,552.06	5,597.68	5,569.34	22.64	21.66	151.51	277.89	-360.06	867.49	825.58	41.91	20.700	
5,700.00	5,650.54	5,700.11	5,671.74	23.10	21.98	152.17	276.25	-357.94	880.76	838.14	42.62	20.668	
5,800.00	5,749.02	5,797.20	5,768.80	23.56	22.27	152.79	274.74	-355.77	894.14	850.83	43.30	20.649	
5,900.00	5,847.50	5,893.85	5,865.41	24.03	22.56	153.39	273.45	-353.54	907.81	863.82	43.98	20.639	
6,000.00	5,945.98	5,990.08	5,961.61	24.49	22.84	153.99	272.44	-351.14	921.81	877.15	44.67	20.638	
6,100.00	6,044.46	6,085.83	6,057.32	24.96	23.13	154.58	271.73	-348.66	936.19	890.85	45.34	20.647	
6,200.00	6,142.94	6,179.94	6,151.40	25.42	23.41	155.14	271.33	-346.37	951.01	905.00	46.01	20.668	
6,300.00	6,241.42	6,274.30	6,245.74	25.89	23.70	155.67	271.35	-344.40	966.42	919.74	46.69	20.700	
6,400.00	6,339.90	6,368.79	6,340.21	26.36	23.99	156.16	271.61	-342.88	982.26	934.90	47.36	20.741	
6,500.00	6,438.38	6,465.07	6,436.48	26.83	24.29	156.65	272.27	-341.31	998.55	950.52	48.03	20.788	
6,600.00	6,536.86	6,560.71	6,532.11	27.30	24.59	157.09	272.93	-340.20	1,015.02	966.31	48.71	20.838	
6,700.00	6,635.35	6,658.68	6,630.08	27.77	24.91	157.51	273.81	-339.68	1,031.85	982.45	49.40	20.888	
6,800.00	6,733.83	6,759.11	6,730.51	28.24	25.24	157.89	274.43	-339.51	1,048.52	998.42	50.11	20.926	
6,900.00	6,832.31	6,856.54	6,827.93	28.72	25.56	158.24	274.95	-339.48	1,065.18	1,014.38	50.80	20.967	
7,000.00	6,930.79	6,956.77	6,928.17	29.19	25.90	158.60	275.54	-339.42	1,081.92	1,030.41	51.51	21.004	
7,100.00	7,029.27	7,057.30	7,028.69	29.66	26.22	158.96	275.91	-339.08	1,098.45	1,046.24	52.21	21.038	
7,200.00	7,127.75	7,158.64	7,130.03	30.14	26.55	159.31	276.10	-338.58	1,114.83	1,061.91	52.92	21.066	
7,300.00	7,226.23	7,259.14	7,230.53	30.61	26.87	159.66	276.06	-338.03	1,131.00	1,077.38	53.62	21.092	
7,400.00	7,324.71	7,354.28	7,325.67	31.08	27.18	159.97	276.05	-337.66	1,147.27	1,092.96	54.30	21.127	
7,500.00	7,423.19	7,449.74	7,421.13	31.56	27.50	160.25	276.26	-337.72	1,163.84	1,108.85	54.99	21.164	
7,600.00	7,521.67	7,545.38	7,516.44	32.03	30.06	160.82	277.44	-331.76	1,180.69	1,122.76	57.92	20.385	
7,700.00	7,620.15	7,656.00	7,624.48	32.51	35.23	162.26	279.51	-308.28	1,196.70	1,134.46	62.23	19.229	
7,800.00	7,718.63	7,724.95	7,690.45	32.99	35.61	163.39	281.37	-288.36	1,213.84	1,151.26	62.57	19.399	
7,900.00	7,817.11	7,804.62	7,763.72	33.46	36.22	165.03	286.16	-257.66	1,234.37	1,171.54	62.83	19.646	
8,000.00	7,915.60	7,911.68	7,852.65	33.94	37.23	167.99	291.78	-198.63	1,256.12	1,193.13	62.99	19.943	
8,100.00	8,014.08	8,055.99	7,954.64	34.42	38.38	172.83	291.80	-96.94	1,277.77	1,214.65	63.12	20.243	
8,200.00	8,112.56	8,136.21	8,000.00	34.89	38.73	175.89	287.34	-31.10	1,301.67	1,238.64	63.03	20.652	
8,300.00	8,211.04	8,241.26	8,030.28	35.37	39.06	-179.56	272.27	67.77	1,329.32	1,266.50	62.82	21.159	
8,400.00	8,309.52	8,255.60	8,032.63	35.85	39.11	-178.92	269.55	81.65	1,363.30	1,300.90	62.39	21.850	
8,500.00	8,408.00	8,267.67	8,034.44	36.33	39.15	-178.38	267.24	93.36	1,403.45	1,341.64	61.81	22.705	
8,600.00	8,506.48	8,277.97	8,035.87	36.80	39.18	-177.92	265.26	103.37	1,449.29	1,388.17	61.12	23.714	
8,700.00	8,605.02	8,286.86	8,037.01	37.27	39.21	-177.54	263.53	112.02	1,500.01	1,439.67	60.34	24.859	
8,800.00	8,703.94	8,304.00	8,038.99	37.72	39.26	-176.84	260.17	128.70	1,553.57	1,494.01	59.56	26.085	
8,900.00	8,803.20	8,304.00	8,038.99	38.15	39.26	-176.89	260.17	128.70	1,609.31	1,550.63	58.68	27.423	
9,000.00	8,902.74	8,304.00	8,038.99	38.55	39.26	-176.95	260.17	128.70	1,667.12	1,609.33	57.78	28.852	
9,100.00	9,002.50	8,304.00	8,038.99	38.92	39.26	-177.01	260.17	128.70	1,726.73	1,669.87	56.86	30.366	
9,200.00	9,102.41	8,304.00	8,038.99	39.27	39.26	-177.07	260.17	128.70	1,787.95	1,732.00	55.95	31.958	
9,300.00	9,202.39	8,304.00	8,038.99	39.59	39.26	-177.13	260.17	128.70	1,850.56	1,795.52	55.04	33.622	
9,400.00	9,302.39	8,304.00	8,038.99	39.86	39.26	-14.86	260.17	128.70	1,915.13	1,861.01	54.12	35.386	
9,500.00	9,402.39	8,304.00	8,038.99	40.14	39.26	14.86	260.17	128.70	1,982.62	1,929.36	53.26	37.223	
9,600.00	9,502.36	8,304.00	8,038.99	40.42	39.26	-70.84	260.17	128.70	2,052.50	2,000.04	52.46	39.123	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		194-MWD+IGRF					Rule Assigned:							Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre			Distance				Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	1.00	1.00	0.00	0.00	-90.00	0.00	-30.00	30.00						
100.00	100.00	100.74	100.74	0.50	0.62	-89.36	0.34	-30.43	30.43	29.86	0.57	53.326			
200.00	200.00	200.47	200.45	1.05	1.21	-87.57	1.35	-31.70	31.73	30.52	1.21	26.176			
300.00	300.00	300.00	299.95	1.55	1.45	-84.86	3.05	-33.90	34.05	32.08	1.97	17.267			
400.00	400.00	399.59	399.45	1.98	1.83	-81.84	5.37	-37.43	37.84	35.10	2.74	13.806			
500.00	500.00	499.40	499.15	2.40	2.31	-79.29	7.82	-41.34	42.11	38.58	3.53	11.936			
600.00	600.00	599.61	599.26	2.79	2.73	-77.34	10.16	-45.21	46.37	42.07	4.31	10.769			
700.00	700.00	700.87	700.48	3.18	3.10	-77.14	10.86	-47.54	48.77	43.45	5.31	9.177			
800.00	800.00	801.96	801.55	3.56	3.43	-78.92	9.35	-47.73	48.64	42.29	6.35	7.664			
900.00	900.00	902.43	901.97	3.94	3.73	-82.48	6.13	-46.43	46.85	39.79	7.06	6.638			
1,000.00	1,000.00	1,002.44	1,001.89	4.32	4.06	-86.92	2.41	-44.71	44.78	37.03	7.75	5.781			
1,100.00	1,100.00	1,102.46	1,101.81	4.69	4.38	-92.44	-1.82	-42.84	42.88	34.40	8.48	5.058			
1,200.00	1,200.00	1,202.43	1,201.64	5.06	4.71	-99.32	-6.66	-40.58	41.13	31.87	9.25	4.445			
1,300.00	1,300.00	1,302.39	1,301.44	5.43	5.05	-106.78	-11.49	-38.12	39.81	29.76	10.05	3.960			
1,400.00	1,400.00	1,402.48	1,401.39	5.79	5.40	-114.51	-16.08	-35.27	38.76	27.90	10.86	3.568			
1,500.00	1,500.00	1,502.51	1,501.19	6.16	5.79	-124.38	-21.41	-31.30	37.92	26.23	11.69	3.244			
1,522.40	1,522.40	1,524.79	1,523.40	6.24	5.88	-127.06	-22.81	-30.21	37.85	25.98	11.87	3.188			
1,600.00	1,600.00	1,601.71	1,600.00	6.53	6.25	-137.56	-28.62	-26.17	38.79	26.26	12.54	3.094			
1,700.00	1,700.00	1,700.53	1,698.33	6.89	6.66	-149.86	-37.38	-21.71	43.31	29.94	13.37	3.240			
1,800.00	1,800.00	1,799.86	1,797.25	7.25	7.03	-156.94	-46.06	-19.61	50.20	36.08	14.12	3.556			
1,900.00	1,900.00	1,898.88	1,895.86	7.62	7.38	-161.23	-55.03	-18.70	58.35	43.56	14.79	3.945			
2,000.00	2,000.00	1,997.84	1,994.34	7.98	7.72	-163.97	-64.76	-18.61	67.71	52.27	15.44	4.385			
2,100.00	2,099.99	2,096.53	2,092.47	8.30	8.08	1.96	-75.23	-18.66	76.67	60.60	16.08	4.769			
2,200.00	2,199.91	2,193.68	2,188.83	8.78	8.54	0.96	-87.48	-20.05	85.37	68.45	16.92	5.046			
2,300.00	2,299.69	2,290.91	2,284.86	9.25	9.05	1.01	-102.35	-23.45	94.56	76.75	17.81	5.309			
2,400.00	2,399.27	2,389.04	2,381.49	9.71	9.46	1.73	-118.66	-28.39	102.82	84.18	18.64	5.516			
2,500.00	2,498.57	2,486.53	2,477.09	10.16	9.85	3.20	-136.46	-35.30	110.62	91.19	19.44	5.691			
2,600.00	2,597.54	2,585.69	2,574.05	10.61	10.23	4.84	-155.65	-43.18	117.21	96.95	20.26	5.785			
2,700.00	2,696.11	2,685.96	2,672.14	10.95	10.60	6.39	-174.96	-50.98	121.28	100.29	20.99	5.779			
2,800.00	2,794.59	2,785.41	2,769.43	11.26	10.98	7.95	-193.95	-58.85	124.76	103.11	21.65	5.762			
2,900.00	2,893.08	2,885.68	2,867.46	11.59	11.38	9.56	-213.38	-67.20	128.75	106.39	22.36	5.757			
3,000.00	2,991.56	2,986.98	2,966.68	11.92	11.80	10.86	-232.32	-74.76	131.84	108.74	23.10	5.708			
3,100.00	3,090.04	3,087.88	3,065.70	12.26	12.23	12.00	-250.44	-81.73	134.09	110.26	23.83	5.628			
3,200.00	3,188.52	3,187.03	3,163.03	12.61	12.67	13.19	-268.00	-88.74	136.21	111.69	24.52	5.555			
3,300.00	3,287.00	3,287.01	3,261.08	12.96	13.11	14.55	-285.94	-96.45	138.91	113.66	25.25	5.502			
3,400.00	3,385.48	3,386.88	3,359.03	13.32	13.57	15.54	-304.11	-103.41	141.55	115.58	25.97	5.451			
3,500.00	3,483.96	3,482.81	3,452.84	13.69	14.04	15.98	-323.22	-109.61	145.56	118.92	26.64	5.464			
3,600.00	3,582.44	3,583.82	3,551.33	14.06	14.55	16.37	-344.46	-116.62	150.78	123.34	27.44	5.494			
3,700.00	3,680.92	3,681.26	3,646.30	14.44	15.03	16.76	-365.13	-123.61	156.30	128.19	28.11	5.560			
3,800.00	3,779.40	3,779.90	3,742.14	14.82	15.54	16.89	-387.36	-130.62	162.98	134.17	28.81	5.657			
3,900.00	3,877.88	3,880.18	3,839.52	15.21	16.06	16.86	-410.33	-137.45	169.84	140.30	29.55	5.748			
4,000.00	3,976.36	3,981.27	3,937.78	15.61	16.59	16.73	-433.20	-143.86	176.22	145.92	30.30	5.815			
4,100.00	4,074.85	4,083.28	4,037.19	16.02	17.11	16.62	-455.32	-149.80	181.50	150.42	31.08	5.839			
4,200.00	4,173.33	4,184.12	4,135.62	16.43	17.63	16.49	-476.52	-155.19	185.96	154.13	31.83	5.842			
4,300.00	4,271.81	4,284.53	4,233.72	16.85	18.14	16.35	-497.34	-160.38	190.07	157.50	32.57	5.835			
4,400.00	4,370.29	4,385.18	4,332.11	17.27	18.66	16.28	-517.86	-165.61	193.89	160.57	33.32	5.819			
4,500.00	4,468.77	4,485.23	4,430.00	17.70	19.16	16.27	-537.85	-170.82	197.35	163.28	34.06	5.794			
4,600.00	4,567.25	4,584.25	4,526.80	18.13	19.67	16.14	-558.11	-175.74	201.12	166.33	34.78	5.782			
4,700.00	4,665.73	4,685.06	4,625.29	18.57	20.19	15.88	-579.13	-180.43	205.09	169.56	35.53	5.772			
4,800.00	4,764.21	4,787.83	4,725.89	19.01	20.71	15.59	-599.68	-184.61	208.03	171.72	36.31	5.730			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 194-MWD+IGRF														Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.00	4,862.69	4,890.11	4,826.26	19.46	21.22	15.24		-619.08	-187.91	209.64	172.57	37.07	5.656		
5,000.00	4,961.17	4,990.04	4,924.47	19.90	21.73	15.11		-637.18	-191.56	210.68	172.87	37.80	5.573		
5,100.00	5,059.65	5,087.10	5,019.81	20.35	22.25	15.60		-654.33	-197.45	212.44	173.91	38.54	5.513		
5,200.00	5,158.13	5,188.98	5,119.84	20.81	22.77	16.39		-672.25	-204.80	214.70	175.34	39.36	5.455		
5,300.00	5,256.61	5,291.87	5,221.08	21.26	23.27	17.04		-689.44	-211.17	215.70	175.52	40.19	5.368		
5,400.00	5,355.10	5,394.08	5,321.86	21.72	23.75	17.67		-705.52	-216.83	215.55	174.55	41.00	5.258		
5,500.00	5,453.58	5,496.68	5,423.21	22.18	24.22	18.30		-720.61	-221.92	214.23	172.42	41.81	5.123		
5,600.00	5,552.06	5,598.20	5,523.65	22.64	24.67	18.99		-734.64	-226.67	212.02	169.40	42.62	4.974		
5,700.00	5,650.54	5,697.69	5,622.17	23.10	25.12	19.72		-747.78	-231.10	209.19	165.76	43.43	4.816		
5,800.00	5,749.02	5,793.68	5,716.97	23.56	25.56	20.23		-762.19	-235.54	208.02	163.80	44.22	4.705		
5,863.22	5,811.28	5,856.06	5,778.46	23.86	25.86	20.49		-772.16	-238.53	207.89	163.17	44.72	4.649		
5,900.00	5,847.50	5,892.65	5,814.52	24.03	26.03	20.63		-778.13	-240.28	207.91	162.89	45.01	4.619		
6,000.00	5,945.98	5,992.08	5,912.47	24.49	26.51	20.90		-794.67	-244.81	208.13	162.33	45.79	4.545		
6,100.00	6,044.46	6,089.57	6,008.41	24.96	26.98	21.12		-811.37	-249.40	208.85	162.30	46.55	4.487		
6,200.00	6,142.94	6,186.02	6,103.01	25.42	27.46	21.37		-829.30	-254.99	211.43	164.13	47.30	4.470		
6,300.00	6,241.42	6,287.72	6,202.63	25.89	27.98	21.68		-848.67	-261.46	214.72	166.58	48.14	4.460		
6,400.00	6,339.90	6,393.64	6,306.83	26.36	28.50	22.03		-866.86	-267.01	215.79	166.73	49.06	4.399		
6,500.00	6,438.38	6,498.34	6,410.25	26.83	28.98	22.36		-882.68	-270.94	214.30	164.36	49.93	4.292		
6,600.00	6,536.86	6,602.90	6,513.85	27.30	29.44	22.83		-896.45	-274.03	210.74	159.95	50.79	4.149		
6,700.00	6,635.35	6,695.55	6,605.67	27.77	29.89	23.51		-908.29	-277.67	207.47	155.82	51.65	4.017		
6,733.20	6,668.04	6,726.39	6,636.12	27.93	30.05	23.86		-912.66	-279.73	207.30	155.36	51.95	3.991		
6,800.00	6,733.83	6,789.79	6,698.61	28.24	30.39	24.56		-922.37	-284.36	207.86	155.31	52.55	3.956		
6,900.00	6,832.31	6,890.07	6,797.21	28.72	30.90	25.29		-939.23	-291.21	209.67	156.22	53.45	3.923		
7,000.00	6,930.79	6,990.77	6,896.22	29.19	31.41	25.50		-956.94	-296.28	211.03	156.75	54.27	3.888		
7,100.00	7,029.27	7,104.04	7,008.13	29.66	31.93	25.68		-973.96	-299.49	208.96	153.72	55.25	3.782		
7,200.00	7,127.75	7,209.95	7,113.40	30.14	32.36	26.08		-985.56	-300.13	202.30	146.17	56.14	3.604		
7,300.00	7,226.23	7,316.84	7,219.92	30.61	32.75	26.79		-994.28	-299.55	192.77	135.84	56.93	3.386		
7,400.00	7,324.71	7,427.12	7,330.09	31.08	33.08	28.23		-997.38	-296.62	177.79	120.22	57.58	3.088		
7,500.00	7,423.19	7,528.19	7,431.07	31.56	33.34	30.48		-996.09	-292.67	159.11	100.64	58.47	2.721		
7,600.00	7,521.67	7,645.69	7,547.42	32.03	34.33	31.19		-993.37	-278.52	134.73	76.88	57.85	2.329		
7,700.00	7,620.15	7,738.44	7,635.88	32.51	35.93	23.28		-995.23	-250.95	102.29	44.42	57.87	1.768		
7,800.00	7,718.63	7,827.74	7,718.51	32.99	36.53	3.54		-1,003.88	-218.24	78.05	19.54	58.51	1.334 Level 3		
7,861.08	7,778.79	7,882.28	7,767.59	33.28	36.89	-15.04		-1,010.69	-195.52	72.79	12.44	60.35	1.206 Level 3, ES, SF		
7,900.00	7,817.11	7,914.76	7,795.78	33.46	37.10	-27.95		-1,014.68	-179.86	75.56	13.61	61.95	1.220 Level 3		
8,000.00	7,915.60	7,983.11	7,850.98	33.94	37.97	-53.16		-1,022.89	-140.59	109.70	48.38	61.32	1.789		
8,100.00	8,014.08	8,024.00	7,879.82	34.42	38.57	-64.29		-1,027.73	-112.05	172.79	118.12	54.68	3.160		
8,200.00	8,112.56	8,076.98	7,912.85	34.89	39.15	-73.96		-1,033.73	-71.09	247.93	193.33	54.60	4.541		
8,300.00	8,211.04	8,119.00	7,936.03	35.37	39.61	-79.03		-1,038.20	-36.34	329.94	275.92	54.02	6.108		
8,400.00	8,309.52	8,152.54	7,953.25	35.85	39.67	-81.95		-1,041.78	-7.79	415.21	362.90	52.31	7.937		
8,500.00	8,408.00	8,194.40	7,974.27	36.33	39.74	-84.58		-1,046.63	28.09	501.86	449.70	52.17	9.620		
8,600.00	8,506.48	8,214.00	7,983.93	36.80	39.77	-85.54		-1,049.04	44.97	589.85	539.34	50.51	11.679		
8,700.00	8,605.02	8,214.00	7,983.93	37.27	39.77	-87.37		-1,049.04	44.97	680.84	632.81	48.03	14.176		
8,800.00	8,703.94	8,250.83	8,000.20	37.72	39.80	-91.94		-1,053.85	77.64	771.24	722.38	48.86	15.785		
8,900.00	8,803.20	8,261.72	8,004.32	38.15	39.80	-95.80		-1,055.34	87.61	864.20	816.15	48.05	17.986		
9,000.00	8,902.74	8,271.12	8,007.61	38.55	39.81	-99.80		-1,056.65	96.32	958.12	910.69	47.44	20.198		
9,100.00	9,002.50	8,308.00	8,018.14	38.92	39.84	-103.18		-1,062.00	131.24	1,054.34	1,005.76	48.59	21.700		
9,200.00	9,102.41	8,308.00	8,018.14	39.27	39.84	-107.34		-1,062.00	131.24	1,148.78	1,101.00	47.78	24.041		
9,300.00	9,202.39	8,308.00	8,018.14	39.59	39.84	-111.68		-1,062.00	131.24	1,243.86	1,196.67	47.19	26.361		
9,400.00	9,302.39	8,308.00	8,018.14	39.86	39.84	-79.73		-1,062.00	131.24	1,339.49	1,292.75	46.74	28.657		
9,500.00	9,402.39	8,308.00	8,018.14	40.14	39.84	-79.73		-1,062.00	131.24	1,435.72	1,389.30	46.42	30.926		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 194-MWD+IGRF													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,600.00	9,502.36	8,308.00	8,018.14	40.42	39.84	-7.66	-1,062.00	131.24	1,532.07	1,485.89	46.18	33.177	
9,700.00	9,601.02	8,308.00	8,018.14	40.87	39.84	-4.99	-1,062.00	131.24	1,624.44	1,578.62	45.82	35.455	
9,800.00	9,695.49	8,308.00	8,018.14	41.28	39.84	-3.72	-1,062.00	131.24	1,710.27	1,664.92	45.35	37.716	
9,900.00	9,782.90	8,308.00	8,018.14	41.63	39.84	-2.99	-1,062.00	131.24	1,788.07	1,743.23	44.84	39.877	
10,000.00	9,860.58	8,308.00	8,018.14	41.91	39.84	-2.54	-1,062.00	131.24	1,856.63	1,812.27	44.37	41.848	
10,100.00	9,926.19	8,359.76	8,026.57	42.12	39.85	-1.92	-1,069.65	181.68	1,910.56	1,863.05	47.51	40.212	
10,200.00	9,977.73	8,403.00	8,027.96	42.30	39.86	-1.53	-1,075.90	224.42	1,956.66	1,906.54	50.12	39.039	
10,300.00	10,013.62	8,403.00	8,027.96	42.46	39.86	-1.45	-1,075.90	224.42	1,987.90	1,937.95	49.94	39.804	
10,400.00	10,032.79	8,403.00	8,027.96	42.66	39.86	-1.40	-1,075.90	224.42	2,006.98	1,957.02	49.95	40.176	
10,500.00	10,036.00	8,589.29	8,028.15	42.94	39.90	-0.54	-1,103.50	408.64	2,009.27	1,956.47	52.80	38.054	
10,578.80	10,036.00	8,653.81	8,029.04	43.25	39.97	-0.29	-1,111.85	472.61	2,008.10	1,955.04	53.06	37.845	
10,600.00	10,036.00	8,670.86	8,029.20	43.36	39.99	-0.23	-1,113.62	489.56	2,007.89	1,954.76	53.13	37.794	
10,680.22	10,036.00	8,771.10	8,030.34	43.81	40.24	-0.01	-1,120.31	589.56	2,007.00	1,953.33	53.67	37.392	
10,700.00	10,036.00	8,843.10	8,032.51	43.94	40.61	0.06	-1,121.94	661.50	2,006.47	1,952.25	54.22	37.008	
10,779.94	10,036.00	8,927.60	8,036.94	44.53	41.38	0.09	-1,122.30	745.88	2,002.25	1,947.57	54.68	36.617	
10,800.00	10,036.00	8,940.95	8,037.54	44.70	41.53	0.10	-1,122.23	759.21	2,001.35	1,946.62	54.73	36.569	
10,879.31	10,036.00	8,997.41	8,039.63	45.45	42.25	0.10	-1,121.65	815.64	1,998.40	1,943.43	54.97	36.358	
10,900.00	10,036.00	9,013.62	8,040.13	45.66	42.48	0.10	-1,121.51	831.84	1,997.76	1,942.72	55.04	36.297	
10,978.98	10,036.00	9,068.00	8,041.55	46.55	43.27	0.10	-1,121.21	886.20	1,995.76	1,940.47	55.29	36.097	
11,000.00	10,036.00	9,086.94	8,041.92	46.80	43.58	0.11	-1,121.25	905.13	1,995.36	1,939.96	55.40	36.020	
11,080.54	10,036.00	9,197.71	8,043.42	47.84	45.48	0.25	-1,125.04	1,015.80	1,994.59	1,938.37	56.22	35.476	
11,100.00	10,036.00	9,299.12	8,048.35	48.10	47.34	0.42	-1,129.69	1,116.95	1,993.95	1,936.70	57.25	34.829	
11,180.41	10,036.00	9,376.11	8,054.06	49.25	48.80	0.57	-1,134.04	1,193.60	1,988.02	1,930.20	57.83	34.379	
11,200.00	10,036.00	9,390.46	8,055.07	49.54	49.08	0.60	-1,134.91	1,207.89	1,986.66	1,928.75	57.91	34.304	
11,279.73	10,036.00	9,445.00	8,058.55	50.77	50.14	0.71	-1,138.20	1,262.22	1,981.66	1,923.40	58.26	34.015	
11,300.00	10,036.00	9,445.00	8,058.55	51.09	50.14	0.71	-1,138.20	1,262.22	1,980.63	1,922.41	58.22	34.018	
11,379.17	10,036.00	9,493.49	8,060.73	52.40	51.11	0.81	-1,141.13	1,310.57	1,977.35	1,918.75	58.60	33.742	
11,400.00	10,036.00	9,503.14	8,061.00	52.75	51.31	0.83	-1,141.70	1,320.20	1,976.78	1,918.11	58.68	33.689	
11,479.28	10,036.00	9,554.13	8,061.64	54.13	52.34	0.93	-1,144.73	1,371.10	1,975.72	1,916.58	59.13	33.411	
11,500.00	10,036.00	9,602.59	8,063.11	54.49	53.33	1.03	-1,147.65	1,419.45	1,974.77	1,915.17	59.59	33.137	
11,580.54	10,036.00	9,728.00	8,068.86	55.96	55.95	1.30	-1,155.39	1,544.47	1,970.76	1,910.02	60.73	32.450	
11,600.00	10,036.00	9,751.90	8,070.17	56.32	56.46	1.35	-1,156.85	1,568.29	1,969.69	1,908.75	60.94	32.320	
11,679.29	10,036.00	9,796.61	8,072.02	57.82	57.42	1.43	-1,159.28	1,612.90	1,966.54	1,905.19	61.35	32.055	
11,700.00	10,036.00	9,820.00	8,072.67	58.21	57.92	1.47	-1,160.39	1,636.25	1,966.01	1,904.45	61.56	31.938	
11,778.19	10,036.00	9,851.29	8,073.19	59.73	58.60	1.53	-1,161.82	1,667.50	1,964.58	1,902.67	61.91	31.732	
11,800.00	10,036.00	9,863.16	8,073.27	60.16	58.86	1.55	-1,162.36	1,679.36	1,964.45	1,902.41	62.04	31.663	
11,900.00	10,036.00	9,927.61	8,072.79	62.17	60.26	1.65	-1,165.21	1,743.74	1,965.24	1,902.48	62.76	31.316	
12,000.00	10,036.00	10,237.03	8,085.02	64.22	67.12	1.46	-1,155.16	2,052.27	1,960.85	1,895.41	65.44	29.966	
12,080.11	10,036.00	10,279.00	8,088.42	65.90	68.05	1.38	-1,152.11	2,094.00	1,954.25	1,888.37	65.88	29.663	
12,100.00	10,036.00	10,279.00	8,088.42	66.31	68.05	1.38	-1,152.11	2,094.00	1,952.92	1,887.02	65.90	29.634	
12,180.11	10,036.00	10,342.61	8,092.37	68.02	69.46	1.26	-1,147.31	2,157.30	1,947.91	1,881.41	66.50	29.291	
12,200.00	10,036.00	10,372.00	8,093.77	68.45	70.11	1.20	-1,144.91	2,186.56	1,947.00	1,880.25	66.75	29.168	
12,279.02	10,036.00	10,399.48	8,094.77	70.16	70.72	1.14	-1,142.59	2,213.92	1,943.61	1,876.51	67.10	28.965	
12,300.00	10,036.00	10,410.70	8,095.09	70.62	70.97	1.12	-1,141.63	2,225.10	1,942.99	1,875.77	67.23	28.902	
12,378.28	10,036.00	10,464.00	8,095.81	72.34	72.17	1.00	-1,136.98	2,278.19	1,941.67	1,873.89	67.79	28.644	
12,400.00	10,036.00	10,464.43	8,095.81	72.82	72.18	1.00	-1,136.94	2,278.61	1,941.49	1,873.64	67.85	28.614	
12,480.09	10,036.00	10,562.12	8,096.35	74.60	74.37	0.73	-1,126.96	2,375.78	1,940.95	1,872.27	68.68	28.262	
12,500.00	10,036.00	10,619.46	8,097.51	75.04	75.67	0.57	-1,120.76	2,432.78	1,940.52	1,871.43	69.09	28.087	
12,581.66	10,036.00	10,805.07	8,109.86	76.88	79.91	0.05	-1,101.46	2,616.93	1,934.03	1,863.37	70.66	27.372	
12,600.00	10,036.00	10,821.76	8,111.26	77.30	80.29	0.00	-1,099.58	2,633.46	1,932.49	1,861.67	70.82	27.289	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH														Offset Site Error: 0.00 usft	
Survey Program: 194-MWD+IGRF				Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,680.17	10,036.00	10,872.14	8,115.14	79.12	81.46	-0.14	-1,094.24	2,683.40	1,926.33	1,854.98	71.36	26.996			
12,700.00	10,036.00	10,883.51	8,115.89	79.58	81.73	-0.17	-1,093.23	2,694.71	1,925.03	1,853.54	71.49	26.929			
12,779.59	10,036.00	10,926.00	8,118.26	81.40	82.73	-0.25	-1,090.14	2,737.01	1,920.66	1,848.66	72.00	26.675			
12,800.00	10,036.00	10,943.02	8,119.03	81.87	83.14	-0.27	-1,089.16	2,753.99	1,919.74	1,847.56	72.19	26.593			
12,879.27	10,036.00	10,994.57	8,120.86	83.71	84.39	-0.32	-1,086.89	2,805.46	1,916.93	1,844.11	72.82	26.324			
12,900.00	10,036.00	11,018.00	8,121.45	84.19	84.96	-0.34	-1,086.20	2,828.86	1,916.42	1,843.36	73.07	26.228			
12,978.48	10,036.00	11,060.95	8,122.16	86.03	85.99	-0.35	-1,085.28	2,871.80	1,914.99	1,841.34	73.65	26.000			
13,000.00	10,036.00	11,075.56	8,122.30	86.53	86.35	-0.35	-1,085.05	2,886.41	1,914.79	1,840.96	73.84	25.933			
13,100.00	10,036.00	11,138.62	8,122.23	88.88	87.87	-0.36	-1,084.33	2,949.46	1,914.94	1,840.26	74.68	25.641			
13,200.00	10,036.00	11,205.00	8,120.61	91.25	89.47	-0.38	-1,082.75	3,015.80	1,917.25	1,841.68	75.57	25.371			
13,300.00	10,036.00	11,247.29	8,118.58	93.64	90.50	-0.42	-1,081.02	3,058.01	1,921.85	1,845.54	76.31	25.186			
13,400.00	10,036.00	11,300.00	8,114.75	96.03	91.77	-0.50	-1,077.90	3,110.48	1,929.08	1,851.95	77.13	25.011			
13,500.00	10,036.00	11,709.91	8,115.02	98.44	101.86	-0.81	-1,063.12	3,518.86	1,927.78	1,846.83	80.96	23.812			
13,580.16	10,036.00	11,776.00	8,120.02	100.38	103.50	-0.73	-1,065.17	3,584.73	1,921.73	1,839.92	81.80	23.492			
13,600.00	10,036.00	11,776.00	8,120.02	100.86	103.50	-0.73	-1,065.17	3,584.73	1,920.46	1,838.58	81.88	23.454			
13,679.65	10,036.00	11,829.96	8,123.27	102.79	104.85	-0.67	-1,066.66	3,638.57	1,915.84	1,833.18	82.67	23.176			
13,700.00	10,036.00	11,839.70	8,123.68	103.29	105.09	-0.66	-1,066.91	3,648.29	1,914.97	1,832.14	82.83	23.119			
13,778.20	10,036.00	11,870.00	8,124.62	105.20	105.84	-0.63	-1,067.64	3,678.57	1,912.71	1,829.29	83.42	22.927			
13,800.00	10,036.00	11,870.00	8,124.62	105.73	105.84	-0.63	-1,067.64	3,678.57	1,912.51	1,828.99	83.52	22.899			
13,900.00	10,036.00	11,930.97	8,124.78	108.17	107.36	-0.58	-1,068.71	3,739.52	1,912.59	1,828.06	84.53	22.625			
14,000.00	10,036.00	12,033.76	8,122.02	110.63	109.93	-0.56	-1,068.14	3,842.26	1,915.31	1,829.42	85.88	22.301			
14,100.00	10,036.00	12,105.43	8,120.86	113.10	111.71	-0.63	-1,065.06	3,913.86	1,917.14	1,830.22	86.92	22.057			
14,200.00	10,036.00	12,217.96	8,117.41	115.57	114.52	-0.73	-1,060.56	4,026.22	1,920.29	1,831.97	88.31	21.745			
14,300.00	10,036.00	12,318.48	8,116.07	118.05	117.05	-0.76	-1,058.68	4,126.70	1,921.63	1,831.98	89.65	21.436			
14,400.00	10,036.00	12,494.87	8,115.51	120.53	121.47	-0.88	-1,052.54	4,302.95	1,921.97	1,830.43	91.55	20.995			
14,482.57	10,036.00	12,771.11	8,133.59	122.59	128.44	-0.95	-1,047.86	4,578.25	1,916.80	1,822.74	94.06	20.379			
14,500.00	10,036.00	12,789.85	8,135.77	123.02	128.92	-0.91	-1,048.91	4,596.84	1,914.75	1,820.46	94.29	20.306			
14,581.19	10,036.00	12,848.28	8,142.36	125.05	130.42	-0.77	-1,053.07	4,654.75	1,905.53	1,810.32	95.21	20.015			
14,600.00	10,036.00	12,859.59	8,143.52	125.52	130.71	-0.75	-1,053.82	4,665.96	1,903.57	1,808.17	95.40	19.953			
14,680.44	10,036.00	12,906.00	8,147.84	127.53	131.90	-0.65	-1,056.52	4,712.10	1,896.04	1,799.81	96.23	19.703			
14,700.00	10,036.00	12,906.00	8,147.84	128.02	131.90	-0.65	-1,056.52	4,712.10	1,894.49	1,798.14	96.35	19.662			
14,779.58	10,036.00	12,940.22	8,150.14	130.01	132.77	-0.59	-1,058.24	4,746.19	1,889.34	1,792.20	97.14	19.450			
14,800.00	10,036.00	12,947.05	8,150.46	130.53	132.94	-0.58	-1,058.57	4,753.01	1,888.39	1,791.06	97.32	19.404			
14,878.68	10,036.00	12,999.00	8,151.24	132.50	134.26	-0.49	-1,060.89	4,804.89	1,886.61	1,788.35	98.26	19.201			
14,900.00	10,036.00	12,999.00	8,151.24	133.04	134.26	-0.49	-1,060.89	4,804.89	1,886.11	1,787.73	98.38	19.171			
15,000.00	10,036.00	13,024.10	8,150.81	135.55	134.90	-0.45	-1,061.81	4,829.97	1,886.71	1,787.53	99.18	19.022			
15,100.00	10,036.00	13,094.00	8,148.22	138.07	136.68	-0.40	-1,062.98	4,899.81	1,890.20	1,789.80	100.40	18.826			
15,200.00	10,036.00	13,315.29	8,144.50	140.60	142.29	-0.43	-1,059.42	5,120.89	1,893.19	1,790.44	102.75	18.425			
15,276.59	10,036.00	13,353.32	8,145.11	142.54	143.26	-0.48	-1,057.43	5,158.87	1,891.98	1,788.44	103.54	18.272			
15,300.00	10,036.00	13,377.00	8,145.10	143.13	143.86	-0.52	-1,055.85	5,182.49	1,892.01	1,788.12	103.89	18.212			
15,379.83	10,036.00	13,493.08	8,146.55	145.15	146.78	-0.77	-1,046.60	5,298.19	1,891.20	1,786.00	105.20	17.978			
15,400.00	10,036.00	13,513.11	8,147.06	145.66	147.28	-0.81	-1,045.04	5,318.15	1,890.70	1,785.25	105.46	17.929			
15,479.63	10,036.00	13,600.69	8,149.34	147.68	149.50	-0.95	-1,039.50	5,405.52	1,888.70	1,782.15	106.55	17.726			
15,500.00	10,036.00	13,627.71	8,150.17	148.19	150.18	-0.98	-1,038.31	5,432.50	1,888.08	1,781.22	106.86	17.668			
15,581.15	10,036.00	13,790.18	8,158.78	150.25	154.33	-1.04	-1,034.64	5,594.68	1,883.89	1,775.40	108.48	17.366			
15,600.00	10,036.00	13,820.78	8,161.17	150.73	155.11	-1.03	-1,034.72	5,625.18	1,882.41	1,773.60	108.81	17.300			
15,680.43	10,036.00	13,886.67	8,166.59	152.78	156.80	-0.98	-1,035.79	5,690.84	1,875.82	1,766.00	109.82	17.081			
15,700.00	10,036.00	13,897.78	8,167.39	153.27	157.09	-0.98	-1,035.89	5,701.93	1,874.42	1,764.38	110.04	17.035			
15,779.79	10,036.00	13,947.00	8,170.32	155.30	158.36	-0.97	-1,035.77	5,751.05	1,869.61	1,758.67	110.94	16.853			
15,800.00	10,036.00	13,963.05	8,171.12	155.82	158.77	-0.97	-1,035.62	5,767.09	1,868.58	1,757.40	111.18	16.806			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		194-MWD+IGRF						Rule Assigned:					Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
15,880.64	10,036.00	14,069.60	8,177.09	157.87	161.51	-0.92	-1,036.11	5,873.45	1,864.09	1,751.63	112.45	16.577		
15,900.00	10,036.00	14,106.88	8,179.67	158.37	162.47	-0.87	-1,037.45	5,910.63	1,862.74	1,749.91	112.83	16.510		
15,980.20	10,036.00	14,169.98	8,184.37	160.41	164.10	-0.74	-1,041.05	5,973.45	1,856.76	1,742.92	113.85	16.310		
16,000.00	10,036.00	14,180.57	8,185.03	160.92	164.38	-0.72	-1,041.59	5,984.01	1,855.52	1,741.45	114.07	16.267		
16,079.31	10,036.00	14,230.00	8,187.42	162.94	165.66	-0.64	-1,043.63	6,033.33	1,851.52	1,736.53	115.00	16.101		
16,100.00	10,036.00	14,230.00	8,187.42	163.47	165.66	-0.64	-1,043.63	6,033.33	1,850.72	1,735.57	115.15	16.073		
16,178.86	10,036.00	14,282.72	8,188.89	165.48	167.02	-0.58	-1,044.90	6,086.01	1,848.54	1,732.45	116.09	15.924		
16,200.00	10,036.00	14,295.59	8,189.11	166.02	167.35	-0.58	-1,045.05	6,098.88	1,848.18	1,731.86	116.33	15.888		
16,300.00	10,036.00	14,356.85	8,189.35	168.58	168.93	-0.56	-1,044.97	6,160.13	1,847.77	1,730.32	117.45	15.733		
16,400.00	10,036.00	14,419.09	8,188.32	171.14	170.53	-0.58	-1,043.49	6,222.35	1,849.44	1,730.90	118.54	15.602		
16,500.00	10,036.00	14,667.20	8,194.19	173.70	176.97	-0.46	-1,044.93	6,469.99	1,845.48	1,724.34	121.14	15.234		
16,579.25	10,036.00	14,703.00	8,195.80	175.73	177.92	-0.40	-1,046.51	6,505.72	1,842.06	1,720.02	122.04	15.094		
16,600.00	10,036.00	14,725.55	8,196.56	176.26	178.50	-0.37	-1,047.28	6,528.24	1,841.35	1,719.00	122.35	15.050		
16,678.87	10,036.00	14,776.55	8,197.72	178.29	179.82	-0.32	-1,048.36	6,579.21	1,839.53	1,716.23	123.30	14.919		
16,700.00	10,036.00	14,798.00	8,197.98	178.83	180.38	-0.31	-1,048.55	6,600.66	1,839.27	1,715.66	123.61	14.880		
16,800.00	10,036.00	14,842.43	8,197.86	181.40	181.52	-0.30	-1,048.37	6,645.09	1,839.36	1,714.73	124.62	14.759		
16,900.00	10,036.00	14,893.00	8,196.45	183.96	182.83	-0.32	-1,047.20	6,695.62	1,842.15	1,716.52	125.63	14.663		
17,000.00	10,036.00	15,041.29	8,194.36	186.53	186.64	-0.42	-1,042.49	6,843.81	1,842.90	1,715.42	127.48	14.456		
17,100.00	10,036.00	15,248.75	8,194.86	189.11	191.96	-0.63	-1,033.52	7,051.01	1,843.95	1,714.31	129.64	14.223		
17,180.09	10,036.00	15,341.42	8,199.47	191.17	194.37	-0.55	-1,035.08	7,143.54	1,839.90	1,709.03	130.87	14.059		
17,200.00	10,036.00	15,360.30	8,200.40	191.68	194.87	-0.53	-1,035.72	7,162.39	1,838.91	1,707.76	131.15	14.021		
17,279.28	10,036.00	15,411.95	8,202.57	193.72	196.21	-0.46	-1,037.24	7,213.97	1,835.57	1,703.44	132.13	13.892		
17,300.00	10,036.00	15,425.06	8,202.99	194.26	196.55	-0.45	-1,037.45	7,227.07	1,834.90	1,702.52	132.38	13.861		
17,379.00	10,036.00	15,483.32	8,204.29	196.29	198.06	-0.43	-1,037.73	7,285.31	1,833.08	1,699.70	133.38	13.743		
17,400.00	10,036.00	15,503.44	8,204.67	196.83	198.58	-0.41	-1,037.89	7,305.43	1,832.69	1,699.02	133.67	13.710		
17,479.05	10,036.00	15,576.78	8,205.92	198.87	200.48	-0.35	-1,039.21	7,378.75	1,831.33	1,696.55	134.78	13.588		
17,500.00	10,036.00	15,594.97	8,206.18	199.41	200.95	-0.33	-1,039.63	7,396.93	1,831.02	1,695.96	135.06	13.557		
17,578.57	10,036.00	15,649.00	8,206.79	201.44	202.35	-0.27	-1,040.96	7,450.94	1,830.23	1,694.21	136.02	13.455		
17,600.00	10,036.00	15,675.89	8,206.95	201.99	203.05	-0.24	-1,041.54	7,477.83	1,830.07	1,693.70	136.38	13.419		
17,681.66	10,036.00	15,891.46	8,215.06	204.10	208.62	-0.18	-1,041.38	7,693.07	1,827.29	1,688.87	138.41	13.202		
17,700.00	10,036.00	15,903.38	8,215.95	204.57	208.92	-0.18	-1,041.17	7,704.96	1,825.92	1,687.25	138.67	13.168		
17,779.90	10,036.00	15,955.25	8,219.34	206.63	210.26	-0.21	-1,039.80	7,756.70	1,820.70	1,680.98	139.72	13.031		
17,800.00	10,036.00	15,968.26	8,220.07	207.15	210.59	-0.22	-1,039.36	7,769.68	1,819.58	1,679.61	139.97	13.000		
17,879.25	10,036.00	16,024.00	8,222.61	209.20	212.03	-0.27	-1,037.09	7,825.32	1,815.93	1,674.94	140.98	12.880		
17,900.00	10,036.00	16,024.00	8,222.61	209.73	212.03	-0.27	-1,037.09	7,825.32	1,815.20	1,674.03	141.17	12.858		
17,978.85	10,036.00	16,080.54	8,224.16	211.77	213.48	-0.36	-1,033.92	7,881.74	1,813.14	1,670.99	142.15	12.755		
18,000.00	10,036.00	16,093.42	8,224.36	212.32	213.81	-0.38	-1,033.04	7,894.59	1,812.82	1,670.43	142.40	12.731		
18,079.13	10,036.00	16,169.88	8,225.00	214.36	215.78	-0.53	-1,027.64	7,970.86	1,812.19	1,668.70	143.49	12.629		
18,100.00	10,036.00	16,197.27	8,225.36	214.90	216.49	-0.56	-1,026.13	7,998.20	1,811.92	1,668.09	143.83	12.598		
18,179.88	10,036.00	16,302.16	8,227.65	216.97	219.20	-0.64	-1,022.65	8,103.01	1,810.20	1,665.08	145.12	12.474		
18,200.00	10,036.00	16,329.92	8,228.49	217.49	219.92	-0.64	-1,022.25	8,130.75	1,809.59	1,664.14	145.45	12.441		
18,280.25	10,036.00	16,439.50	8,232.99	219.57	222.76	-0.64	-1,021.28	8,240.23	1,806.28	1,659.52	146.76	12.308		
18,300.00	10,036.00	16,465.49	8,234.30	220.08	223.43	-0.62	-1,021.55	8,266.18	1,805.28	1,658.21	147.07	12.275		
18,379.63	10,036.00	16,528.93	8,237.59	222.14	225.08	-0.56	-1,022.99	8,329.52	1,801.20	1,653.05	148.15	12.158		
18,400.00	10,036.00	16,540.83	8,238.07	222.67	225.39	-0.55	-1,023.21	8,341.41	1,800.36	1,651.96	148.40	12.132		
18,478.64	10,036.00	16,591.00	8,239.51	224.70	226.70	-0.51	-1,023.78	8,391.56	1,798.04	1,648.65	149.39	12.036		
18,500.00	10,036.00	16,591.00	8,239.51	225.25	226.70	-0.51	-1,023.78	8,391.56	1,797.67	1,648.11	149.56	12.020		
18,600.00	10,036.00	16,665.74	8,240.10	227.84	228.64	-0.50	-1,023.40	8,466.29	1,796.97	1,646.12	150.85	11.912		
18,700.00	10,036.00	16,779.93	8,239.83	230.44	231.59	-0.57	-1,020.14	8,580.42	1,797.28	1,644.88	152.40	11.793		
18,702.52	10,036.00	16,783.32	8,239.85	230.50	231.68	-0.57	-1,020.00	8,583.81	1,797.26	1,644.82	152.44	11.790		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design:	Joe Hollingsworth Fee - Joe Hollingsworth Fee 122H - OH - OH												Offset Site Error:	0.00 usft
Survey Program:	194-MWD+IGRF												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
18,703.19	10,036.00	16,784.22	8,239.86	230.52	231.70	-0.57	-1,019.96	8,584.71	1,797.26	1,644.81	152.45	11.789		

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		225-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.99	0.99	0.00	0.01	-75.64	28.25	-110.33	113.89						
100.00	100.00	100.26	100.26	0.50	0.75	-75.75	28.12	-110.70	114.22	113.14	1.07	106.341			
200.00	200.00	199.52	199.51	1.05	1.49	-76.07	27.73	-111.79	115.18	112.97	2.22	51.993			
300.00	300.00	299.27	299.25	1.55	2.02	-76.57	27.10	-113.43	116.64	113.49	3.14	37.089			
400.00	400.00	398.55	398.50	1.98	2.33	-77.28	26.08	-115.53	118.47	114.62	3.84	30.824			
500.00	500.00	498.85	498.77	2.40	2.91	-78.09	24.84	-117.84	120.45	115.64	4.81	25.044			
600.00	600.00	599.63	599.51	2.79	3.55	-78.82	23.68	-119.80	122.13	116.32	5.81	21.035			
700.00	700.00	701.89	701.78	3.18	4.46	-78.84	23.69	-120.10	122.42	115.51	6.91	17.726			
800.00	800.00	803.07	802.93	3.56	5.72	-77.94	25.29	-118.38	121.07	112.65	8.41	14.390			
900.00	900.00	902.96	902.75	3.94	7.31	-76.35	28.20	-116.14	119.53	109.14	10.39	11.504			
1,000.00	1,000.00	1,002.05	1,001.74	4.32	8.03	-74.27	32.09	-113.93	118.37	106.81	11.55	10.244			
1,051.86	1,051.86	1,053.22	1,052.86	4.51	8.14	-73.21	34.14	-113.17	118.21	106.31	11.90	9.936			
1,100.00	1,100.00	1,100.73	1,100.33	4.69	8.26	-72.27	36.04	-112.72	118.34	106.13	12.21	9.692 ES			
1,200.00	1,200.00	1,198.41	1,197.91	5.06	8.42	-70.30	40.38	-112.77	119.82	107.06	12.76	9.389			
1,300.00	1,300.00	1,295.63	1,294.94	5.43	8.61	-68.05	46.12	-114.46	123.56	110.26	13.29	9.296			
1,400.00	1,400.00	1,395.22	1,394.22	5.79	8.78	-65.36	53.58	-116.83	128.71	114.94	13.77	9.347			
1,500.00	1,500.00	1,495.04	1,493.61	6.16	9.04	-62.08	62.71	-118.36	134.15	119.86	14.30	9.382			
1,600.00	1,600.00	1,597.53	1,595.64	6.53	9.56	-58.53	72.43	-118.32	138.83	123.88	14.95	9.284			
1,700.00	1,700.00	1,697.83	1,695.52	6.89	10.32	-55.04	81.35	-116.37	142.10	126.40	15.69	9.055			
1,800.00	1,800.00	1,791.37	1,788.61	7.25	11.85	-52.28	90.37	-116.84	148.23	131.85	16.38	9.050			
1,900.00	1,900.00	1,886.14	1,882.72	7.62	13.47	-50.27	100.67	-121.14	158.57	141.85	16.72	9.483			
2,000.00	2,000.00	1,985.15	1,980.95	7.98	14.64	-48.67	111.64	-126.93	170.23	152.99	17.24	9.875			
2,100.00	2,099.99	2,083.36	2,078.38	8.30	15.55	-120.78	122.35	-133.08	182.85	165.10	17.75	10.303			
2,200.00	2,199.91	2,180.04	2,174.23	8.78	15.93	-122.22	132.51	-140.66	197.83	179.50	18.32	10.796			
2,300.00	2,299.69	2,278.44	2,271.69	9.25	16.29	-123.57	142.26	-150.10	215.16	196.16	18.99	11.329			
2,400.00	2,399.27	2,379.98	2,372.38	9.71	16.64	-124.94	150.61	-160.10	233.03	213.27	19.77	11.790			
2,500.00	2,498.57	2,476.84	2,468.53	10.16	16.92	-126.25	157.14	-169.83	251.61	230.95	20.65	12.181			
2,600.00	2,597.54	2,568.74	2,559.54	10.61	17.14	-127.54	164.17	-180.46	273.54	251.93	21.62	12.655			
2,700.00	2,696.11	2,661.60	2,651.24	10.95	17.38	-129.00	172.40	-192.51	298.96	276.38	22.58	13.239			
2,800.00	2,794.59	2,756.25	2,744.67	11.26	17.65	-130.69	181.84	-204.38	325.57	302.01	23.56	13.819			
2,900.00	2,893.08	2,852.22	2,839.40	11.59	18.05	-132.38	192.46	-215.47	352.76	328.33	24.43	14.437			
3,000.00	2,991.56	2,949.82	2,935.86	11.92	18.60	-134.26	204.36	-224.35	379.84	354.62	25.22	15.062			
3,100.00	3,090.04	3,047.95	3,032.93	12.26	19.16	-136.26	217.22	-230.86	406.77	380.75	26.02	15.630			
3,200.00	3,188.52	3,147.15	3,131.16	12.61	19.73	-138.12	229.87	-236.45	433.33	406.50	26.84	16.146			
3,300.00	3,287.00	3,249.40	3,232.55	12.96	20.17	-139.83	242.07	-241.54	459.26	431.58	27.68	16.589			
3,400.00	3,385.48	3,354.32	3,336.81	13.32	20.53	-141.32	252.68	-246.53	483.82	455.28	28.54	16.954			
3,500.00	3,483.96	3,444.41	3,426.39	13.69	20.91	-142.48	261.31	-250.58	508.05	478.67	29.38	17.292			
3,600.00	3,582.44	3,529.90	3,511.20	14.06	21.28	-143.61	271.47	-254.06	534.36	504.15	30.22	17.685			
3,700.00	3,680.92	3,622.40	3,602.77	14.44	21.70	-144.82	284.14	-257.53	562.38	531.28	31.10	18.081			
3,800.00	3,779.40	3,720.21	3,699.62	14.82	22.14	-145.95	297.23	-261.33	590.41	558.38	32.03	18.433			
3,900.00	3,877.88	3,821.28	3,799.80	15.21	22.53	-146.99	310.09	-265.35	618.06	585.18	32.88	18.798			
4,000.00	3,976.36	3,924.41	3,902.15	15.61	22.90	-147.93	322.10	-269.23	644.80	611.12	33.69	19.142			
4,100.00	4,074.85	4,011.68	3,988.77	16.02	23.25	-148.64	332.06	-272.78	671.58	637.12	34.46	19.491			
4,200.00	4,173.33	4,095.39	4,071.67	16.43	23.60	-149.22	342.76	-277.27	700.09	664.89	35.20	19.890			
4,300.00	4,271.81	4,186.67	4,161.87	16.85	23.98	-149.75	355.41	-283.19	729.98	693.97	36.01	20.273			
4,400.00	4,370.29	4,283.57	4,257.64	17.27	24.40	-150.24	368.69	-289.72	759.86	722.99	36.87	20.607			
4,500.00	4,468.77	4,383.36	4,356.30	17.70	24.79	-150.69	381.99	-296.57	789.47	751.78	37.69	20.948			
4,600.00	4,567.25	4,485.14	4,457.03	18.13	25.16	-151.11	394.83	-303.39	818.41	779.94	38.47	21.272			
4,700.00	4,665.73	4,590.90	4,561.84	18.57	25.55	-151.52	407.22	-310.20	846.50	807.21	39.29	21.547			
4,800.00	4,764.21	4,698.45	4,668.60	19.01	25.94	-151.91	418.50	-316.72	873.36	833.26	40.10	21.777			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-MWD+IGRF													Offset Well Error: 0.00 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned:				Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
4,900.00	4,862.69	4,808.18	4,777.70	19.46	26.33	152.28	428.55	-322.94	898.90	857.97	40.93	21.959	
5,000.00	4,961.17	4,913.67	4,882.72	19.90	26.70	152.62	436.79	-328.51	923.10	881.37	41.73	22.121	
5,100.00	5,059.65	5,007.17	4,975.82	20.35	27.03	152.94	444.12	-332.98	947.24	904.79	42.45	22.314	
5,200.00	5,158.13	5,102.58	5,070.81	20.81	27.37	153.28	452.05	-337.02	971.72	928.54	43.18	22.503	
5,300.00	5,256.61	5,203.44	5,171.26	21.26	27.72	153.64	460.33	-340.85	996.04	952.10	43.94	22.668	
5,400.00	5,355.10	5,294.71	5,262.17	21.72	28.07	153.97	467.68	-344.03	1,020.19	975.50	44.69	22.829	
5,500.00	5,453.58	5,371.48	5,338.53	22.18	28.41	154.23	474.93	-347.25	1,045.83	1,000.43	45.40	23.035	
5,600.00	5,552.06	5,453.00	5,419.43	22.64	28.77	154.46	484.08	-351.46	1,073.34	1,027.20	46.14	23.263	
5,700.00	5,650.54	5,566.23	5,531.81	23.10	29.35	154.79	496.79	-356.81	1,100.88	1,053.59	47.29	23.278	
5,800.00	5,749.02	5,701.88	5,666.86	23.56	30.11	155.26	508.99	-360.51	1,125.96	1,077.31	48.66	23.141	
5,900.00	5,847.50	5,859.87	5,824.65	24.03	31.09	155.86	516.35	-361.84	1,146.49	1,096.33	50.16	22.855	
6,000.00	5,945.98	5,961.39	5,926.14	24.49	31.54	156.23	518.78	-362.12	1,164.79	1,113.79	51.00	22.840	
6,100.00	6,044.46	6,068.75	6,033.49	24.96	31.96	156.60	520.18	-362.36	1,182.04	1,130.21	51.84	22.803	
6,200.00	6,142.94	6,172.19	6,136.92	25.42	32.27	156.93	520.94	-362.79	1,198.83	1,146.26	52.57	22.805	
6,300.00	6,241.42	6,274.77	6,239.50	25.89	32.54	157.24	521.23	-363.50	1,215.25	1,161.96	53.29	22.803	
6,400.00	6,339.90	6,376.97	6,341.69	26.36	32.79	157.51	521.12	-364.60	1,231.41	1,177.40	54.01	22.800	
6,500.00	6,438.38	6,492.92	6,457.63	26.83	33.07	157.78	520.02	-366.24	1,246.84	1,192.14	54.70	22.793	
6,600.00	6,536.86	6,606.82	6,571.47	27.30	33.35	158.02	517.15	-368.10	1,260.75	1,205.38	55.37	22.769	
6,700.00	6,635.35	6,703.01	6,667.62	27.77	33.60	158.21	514.38	-369.65	1,274.36	1,218.35	56.01	22.752	
6,800.00	6,733.83	6,799.73	6,764.29	28.24	33.86	158.41	511.84	-371.08	1,288.20	1,231.55	56.65	22.739	
6,900.00	6,832.31	6,897.88	6,862.41	28.72	34.12	158.62	509.40	-372.22	1,302.15	1,244.85	57.30	22.725	
7,000.00	6,930.79	6,997.09	6,961.58	29.19	34.40	158.85	507.06	-372.94	1,316.16	1,258.21	57.96	22.709	
7,100.00	7,029.27	7,098.22	7,062.69	29.66	34.69	159.11	504.67	-372.83	1,330.08	1,271.44	58.63	22.685	
7,200.00	7,127.75	7,193.42	7,157.85	30.14	34.97	159.40	502.49	-371.82	1,343.95	1,284.61	59.34	22.648	
7,300.00	7,226.23	7,282.15	7,246.55	30.61	35.25	159.71	501.17	-369.81	1,358.48	1,298.40	60.08	22.611	
7,400.00	7,324.71	7,371.58	7,335.93	31.08	35.51	160.06	500.64	-366.78	1,373.76	1,312.95	60.81	22.589	
7,500.00	7,423.19	7,462.69	7,426.98	31.56	35.76	160.41	500.62	-363.61	1,389.67	1,328.13	61.54	22.581	
7,600.00	7,521.67	7,554.92	7,519.16	32.03	36.00	160.76	501.05	-360.58	1,406.13	1,343.88	62.25	22.589	
7,700.00	7,620.15	7,650.33	7,614.53	32.51	36.23	161.09	501.71	-357.98	1,422.92	1,360.01	62.91	22.617	
7,800.00	7,718.63	7,747.57	7,711.75	32.99	36.47	161.40	502.47	-355.99	1,439.93	1,376.35	63.58	22.647	
7,900.00	7,817.11	7,848.90	7,813.06	33.46	36.73	161.68	503.08	-354.60	1,456.87	1,392.61	64.26	22.672	
8,000.00	7,915.60	7,946.50	7,910.66	33.94	36.98	161.92	503.45	-353.85	1,473.69	1,408.77	64.92	22.701	
8,100.00	8,014.08	8,039.53	8,003.68	34.42	37.22	162.15	504.09	-353.00	1,490.82	1,425.26	65.56	22.741	
8,200.00	8,112.56	8,139.85	8,104.00	34.89	37.48	162.39	505.01	-352.09	1,508.20	1,441.98	66.22	22.776	
8,300.00	8,211.04	8,249.20	8,213.35	35.37	37.77	162.63	505.35	-351.61	1,525.04	1,458.13	66.91	22.793	
8,400.00	8,309.52	8,353.76	8,317.90	35.85	38.04	162.80	504.92	-352.55	1,541.32	1,473.73	67.59	22.805	
8,500.00	8,408.00	8,450.18	8,414.30	36.33	38.30	162.91	504.32	-354.40	1,557.48	1,489.24	68.24	22.823	
8,600.00	8,506.48	8,558.00	8,522.11	36.80	38.58	163.06	503.62	-355.82	1,573.59	1,504.66	68.93	22.830	
8,700.00	8,605.02	8,641.53	8,605.64	37.27	38.81	163.23	503.11	-356.43	1,589.35	1,519.81	69.54	22.856	
8,800.00	8,703.94	8,829.99	8,791.92	37.72	41.75	164.33	500.19	-334.52	1,601.34	1,527.22	74.13	21.603	
8,900.00	8,803.20	8,946.00	8,896.24	38.15	42.47	166.24	495.16	-284.84	1,605.95	1,530.68	75.27	21.336	
9,000.00	8,902.74	9,005.25	8,943.60	38.55	42.63	167.56	493.09	-249.36	1,610.32	1,534.51	75.81	21.242	
9,100.00	9,002.50	9,039.00	8,968.43	38.92	42.75	168.40	493.02	-226.52	1,616.87	1,540.74	76.14	21.237	
9,200.00	9,102.41	9,039.00	8,968.43	39.27	42.75	168.43	493.02	-226.52	1,626.29	1,550.14	76.15	21.357	
9,300.00	9,202.39	9,090.71	9,003.99	39.59	43.06	169.79	494.78	-189.03	1,637.00	1,560.66	76.34	21.444	
9,400.00	9,302.39	9,134.00	9,031.81	39.86	43.36	2.95	498.17	-156.05	1,652.05	1,575.82	76.24	21.669	
9,500.00	9,402.39	9,139.99	9,035.52	40.14	43.39	3.12	498.75	-151.38	1,671.40	1,595.67	75.72	22.072	
9,600.00	9,502.36	9,201.76	9,072.27	40.42	43.70	-83.61	504.31	-102.06	1,694.98	1,619.44	75.54	22.438	
9,700.00	9,601.02	9,261.53	9,105.27	40.87	43.97	-79.55	508.93	-52.44	1,720.17	1,644.89	75.28	22.850	
9,800.00	9,695.49	9,323.10	9,136.94	41.28	44.24	-75.73	513.31	0.17	1,745.24	1,670.21	75.03	23.261	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		225-MWD+IGRF						Rule Assigned:					Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
9,900.00	9,782.90	9,418.17	9,182.37	41.63	44.72	-71.90	518.75	83.49	1,767.90	1,692.71	75.19	23.514		
10,000.00	9,860.58	9,486.63	9,212.98	41.91	45.14	-69.26	522.00	144.64	1,786.66	1,711.43	75.23	23.750		
10,100.00	9,926.19	9,556.42	9,242.19	42.12	45.60	-67.34	525.40	207.92	1,801.14	1,725.66	75.48	23.864		
10,200.00	9,977.73	9,630.04	9,270.34	42.30	46.14	-66.19	528.96	275.85	1,810.63	1,734.60	76.02	23.817		
10,300.00	10,013.62	9,702.00	9,295.63	42.46	46.71	-65.84	532.20	343.14	1,814.28	1,737.42	76.86	23.606		
10,379.32	10,030.24	9,744.55	9,308.14	42.61	47.10	-66.02	533.79	383.76	1,813.58	1,735.98	77.60	23.371		
10,400.00	10,032.79	9,754.11	9,310.44	42.66	47.19	-66.11	534.09	393.04	1,812.97	1,735.19	77.79	23.306		
10,481.55	10,037.90	9,797.00	9,318.41	42.88	47.58	-66.45	535.14	435.15	1,809.83	1,731.13	78.70	22.996		
10,500.00	10,036.00	9,797.00	9,318.41	42.94	47.58	-66.56	535.14	435.15	1,808.16	1,729.33	78.83	22.938		
10,580.36	10,036.00	9,835.22	9,322.91	43.26	47.98	-66.70	536.04	473.10	1,805.47	1,725.62	79.84	22.613		
10,600.00	10,036.00	9,843.81	9,323.68	43.36	48.07	-66.72	536.30	481.65	1,805.12	1,725.04	80.08	22.543		
10,642.17	10,036.00	9,862.31	9,325.03	43.58	48.26	-66.77	536.91	500.08	1,804.77	1,724.15	80.63	22.384		
10,700.00	10,036.00	9,890.00	9,326.27	43.94	48.54	-66.81	537.97	527.73	1,805.21	1,723.81	81.40	22.177		
10,720.81	10,036.00	9,890.00	9,326.27	44.08	48.54	-66.81	537.97	527.73	1,805.64	1,724.07	81.58	22.135		
10,800.00	10,036.00	9,948.54	9,327.64	44.70	49.19	-66.88	540.95	586.17	1,807.95	1,724.97	82.98	21.788		
10,820.37	10,036.00	9,961.10	9,327.87	44.88	49.33	-66.90	541.72	598.71	1,808.77	1,725.44	83.33	21.706		
10,900.00	10,036.00	10,064.80	9,328.46	45.66	50.58	-66.97	547.60	702.23	1,812.11	1,726.61	85.49	21.196		
10,980.02	10,036.00	10,236.14	9,330.96	46.56	52.86	-67.07	551.16	873.49	1,812.41	1,723.51	88.90	20.388		
11,000.00	10,036.00	10,242.09	9,331.25	46.80	52.95	-67.07	551.03	879.44	1,811.88	1,722.67	89.21	20.311		
11,080.71	10,036.00	10,337.49	9,334.83	47.84	54.32	-67.17	551.17	974.76	1,809.97	1,718.25	91.72	19.734		
11,100.00	10,036.00	10,357.22	9,335.65	48.10	54.62	-67.19	551.26	994.48	1,809.55	1,717.27	92.28	19.609		
11,180.74	10,036.00	10,438.00	9,338.64	49.25	55.85	-67.27	551.14	1,075.21	1,807.51	1,712.82	94.69	19.088		
11,200.00	10,036.00	10,460.32	9,339.31	49.54	56.21	-67.28	551.01	1,097.51	1,807.00	1,711.66	95.33	18.955		
11,279.58	10,036.00	10,529.00	9,340.46	50.77	57.30	-67.31	551.06	1,166.18	1,805.71	1,708.10	97.61	18.499		
11,300.00	10,036.00	10,529.00	9,340.46	51.09	57.30	-67.31	551.06	1,166.18	1,805.47	1,707.58	97.89	18.445		
11,340.27	10,036.00	10,558.05	9,340.66	51.75	57.79	-67.31	551.32	1,195.23	1,805.32	1,706.34	98.98	18.239		
11,400.00	10,036.00	10,598.94	9,340.91	52.75	58.47	-67.32	552.08	1,236.12	1,805.64	1,705.08	100.56	17.956		
11,479.58	10,036.00	10,723.37	9,341.15	54.14	60.62	-67.34	553.85	1,360.52	1,806.07	1,702.00	104.08	17.353		
11,500.00	10,036.00	10,757.71	9,341.29	54.49	61.24	-67.33	553.60	1,394.87	1,805.72	1,700.67	105.05	17.190		
11,580.68	10,036.00	10,840.00	9,342.65	55.96	62.75	-67.35	552.56	1,477.13	1,803.48	1,695.58	107.91	16.713		
11,600.00	10,036.00	10,853.35	9,343.14	56.32	63.00	-67.36	552.59	1,490.47	1,803.07	1,694.59	108.48	16.622		
11,679.54	10,036.00	10,913.62	9,346.20	57.82	64.13	-67.46	553.65	1,550.65	1,802.02	1,691.00	111.01	16.233		
11,700.00	10,036.00	10,932.72	9,347.00	58.21	64.49	-67.48	554.00	1,569.73	1,801.84	1,690.10	111.74	16.125		
11,779.10	10,036.00	11,002.92	9,348.07	59.75	65.84	-67.51	554.67	1,639.91	1,801.33	1,686.84	114.48	15.735		
11,800.00	10,036.00	11,018.53	9,347.90	60.16	66.14	-67.51	554.73	1,655.52	1,801.29	1,686.15	115.14	15.645		
11,823.32	10,036.00	11,035.94	9,347.54	60.63	66.48	-67.50	554.78	1,672.93	1,801.32	1,685.44	115.88	15.545		
11,900.00	10,036.00	11,148.88	9,344.31	62.17	68.69	-67.39	554.80	1,785.81	1,801.75	1,682.29	119.46	15.082		
11,981.48	10,036.00	11,265.26	9,347.93	63.84	71.02	-67.46	553.63	1,902.11	1,799.10	1,675.70	123.40	14.579		
12,000.00	10,036.00	11,273.00	9,348.01	64.22	71.18	-67.46	553.44	1,909.85	1,798.46	1,674.57	123.89	14.516		
12,080.25	10,036.00	11,331.36	9,347.85	65.90	72.38	-67.44	552.22	1,968.19	1,796.31	1,669.75	126.56	14.194		
12,100.00	10,036.00	11,343.89	9,347.64	66.31	72.63	-67.43	552.05	1,980.71	1,795.98	1,668.82	127.17	14.123		
12,180.05	10,036.00	11,430.57	9,346.96	68.02	74.43	-67.39	551.54	2,067.38	1,795.05	1,664.58	130.47	13.758		
12,200.00	10,036.00	11,459.64	9,347.99	68.45	75.04	-67.42	551.62	2,096.44	1,794.64	1,663.15	131.49	13.648		
12,280.46	10,036.00	11,537.82	9,350.11	70.19	76.70	-67.47	551.39	2,174.57	1,792.82	1,658.08	134.75	13.305		
12,300.00	10,036.00	11,557.00	9,350.09	70.62	77.10	-67.46	551.13	2,193.76	1,792.40	1,656.87	135.52	13.226		
12,382.88	10,036.00	11,692.43	9,352.65	72.44	80.02	-67.47	546.93	2,329.08	1,788.15	1,648.07	140.08	12.765		
12,400.00	10,036.00	11,704.40	9,352.86	72.82	80.28	-67.47	546.50	2,341.04	1,787.30	1,646.63	140.68	12.705		
12,481.41	10,036.00	11,764.65	9,353.22	74.63	81.60	-67.45	544.58	2,401.26	1,783.92	1,640.34	143.59	12.424		
12,500.00	10,036.00	11,780.64	9,353.44	75.04	81.95	-67.45	544.22	2,417.25	1,783.26	1,638.96	144.31	12.358		
12,580.98	10,036.00	11,851.24	9,356.29	76.87	83.51	-67.52	543.71	2,487.78	1,780.69	1,633.16	147.54	12.069		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-MWD+IGRF													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,600.00	10,036.00	11,869.30	9,357.43	77.30	83.91	-67.55	543.81	2,505.80	1,780.15	1,631.80	148.35	12.000	
12,680.85	10,036.00	11,946.45	9,363.58	79.14	85.64	-67.73	544.87	2,582.70	1,777.94	1,626.07	151.87	11.707	
12,700.00	10,036.00	11,965.57	9,365.06	79.58	86.07	-67.78	545.13	2,601.75	1,777.44	1,624.71	152.73	11.638	
12,780.49	10,036.00	12,030.00	9,368.38	81.43	87.52	-67.87	545.33	2,666.10	1,775.40	1,619.50	155.90	11.388	
12,800.00	10,036.00	12,050.36	9,369.02	81.87	87.99	-67.89	545.32	2,686.44	1,774.97	1,618.19	156.77	11.322	
12,872.87	10,036.00	12,091.97	9,370.36	83.56	88.94	-67.93	545.89	2,728.02	1,774.32	1,615.11	159.21	11.145	
12,900.00	10,036.00	12,124.00	9,371.42	84.19	89.67	-67.97	546.88	2,760.03	1,774.55	1,614.00	160.55	11.053	
12,922.39	10,036.00	12,124.00	9,371.42	84.72	89.67	-67.97	546.88	2,760.03	1,774.63	1,613.67	160.96	11.026	
13,000.00	10,036.00	12,204.45	9,375.40	86.53	91.51	-68.12	550.27	2,840.30	1,775.48	1,610.92	164.56	10.789	
13,081.01	10,036.00	12,344.80	9,379.55	88.44	94.78	-68.24	551.23	2,980.49	1,773.97	1,604.27	169.70	10.453	
13,100.00	10,036.00	12,358.42	9,379.40	88.88	95.10	-68.23	550.96	2,994.11	1,773.53	1,603.12	170.40	10.408	
13,179.83	10,036.00	12,421.49	9,378.14	90.77	96.57	-68.17	550.06	3,057.16	1,772.26	1,598.78	173.47	10.216	
13,200.00	10,036.00	12,445.61	9,377.94	91.25	97.13	-68.16	549.87	3,081.27	1,771.98	1,597.53	174.45	10.157	
13,279.96	10,036.00	12,523.49	9,379.73	93.16	98.95	-68.21	549.95	3,159.13	1,770.61	1,592.61	178.00	9.947	
13,300.00	10,036.00	12,536.63	9,380.19	93.64	99.25	-68.22	550.10	3,172.26	1,770.38	1,591.63	178.74	9.905	
13,349.82	10,036.00	12,569.28	9,381.29	94.83	100.02	-68.26	550.71	3,204.89	1,770.13	1,589.56	180.57	9.803	
13,400.00	10,036.00	12,605.41	9,382.46	96.03	100.87	-68.30	551.74	3,240.98	1,770.37	1,587.87	182.50	9.701	
13,422.76	10,036.00	12,628.13	9,383.30	96.58	101.40	-68.33	552.51	3,263.68	1,770.55	1,587.00	183.56	9.646	
13,500.00	10,036.00	12,705.47	9,387.09	98.44	103.23	-68.47	555.48	3,340.86	1,771.18	1,583.99	187.19	9.462	
13,522.69	10,036.00	12,728.66	9,387.76	98.99	103.78	-68.50	556.18	3,364.03	1,771.35	1,583.10	188.26	9.409	
13,600.00	10,036.00	12,803.43	9,386.07	100.86	105.56	-68.45	556.89	3,438.76	1,771.94	1,580.32	191.62	9.247	
13,622.00	10,036.00	12,821.84	9,385.24	101.39	106.00	-68.42	556.95	3,457.15	1,772.17	1,579.68	192.49	9.207	
13,700.00	10,036.00	12,888.23	9,382.32	103.29	107.58	-68.33	557.54	3,523.47	1,773.32	1,577.73	195.59	9.066	
13,721.93	10,036.00	12,910.55	9,381.41	103.82	108.11	-68.30	557.83	3,545.77	1,773.71	1,577.14	196.57	9.023	
13,800.00	10,036.00	12,988.44	9,378.89	105.73	109.97	-68.23	559.08	3,623.62	1,775.06	1,575.03	200.02	8.874	
13,821.81	10,036.00	13,008.32	9,378.35	106.26	110.45	-68.22	559.46	3,643.49	1,775.45	1,574.51	200.95	8.835	
13,900.00	10,036.00	13,093.77	9,376.35	108.17	112.49	-68.17	561.38	3,728.88	1,777.03	1,572.38	204.65	8.683	
13,979.62	10,036.00	13,210.36	9,378.46	110.13	115.30	-68.25	563.36	3,845.43	1,776.81	1,567.43	209.38	8.486	
14,000.00	10,036.00	13,229.56	9,379.13	110.63	115.77	-68.27	563.71	3,864.62	1,776.69	1,566.38	210.31	8.448	
14,068.32	10,036.00	13,288.29	9,381.26	112.31	117.19	-68.34	564.94	3,923.29	1,776.46	1,563.16	213.30	8.329	
14,100.00	10,036.00	13,313.17	9,382.03	113.10	117.79	-68.37	565.55	3,948.16	1,776.52	1,561.91	214.61	8.278	
14,122.34	10,036.00	13,330.73	9,382.51	113.65	118.22	-68.38	566.02	3,965.70	1,776.63	1,561.10	215.53	8.243	
14,200.00	10,036.00	13,393.70	9,383.85	115.57	119.75	-68.44	567.95	4,028.62	1,777.48	1,558.69	218.79	8.124	
14,221.64	10,036.00	13,411.59	9,384.20	116.10	120.18	-68.45	568.57	4,046.50	1,777.82	1,558.12	219.70	8.092	
14,300.00	10,036.00	13,479.78	9,385.53	118.05	121.84	-68.52	571.30	4,114.63	1,779.42	1,556.29	223.12	7.975	
14,322.86	10,036.00	13,501.02	9,386.13	118.61	122.36	-68.55	572.28	4,135.83	1,779.94	1,555.77	224.17	7.940	
14,400.00	10,036.00	13,615.36	9,390.37	120.53	125.16	-68.71	576.46	4,250.00	1,780.70	1,551.68	229.02	7.775	
14,481.92	10,036.00	13,759.35	9,396.00	122.57	128.71	-68.86	576.47	4,393.87	1,778.19	1,543.58	234.62	7.579	
14,500.00	10,036.00	13,774.32	9,396.64	123.02	129.08	-68.88	576.37	4,408.83	1,777.63	1,542.21	235.42	7.551	
14,580.71	10,036.00	13,843.14	9,399.43	125.04	130.77	-68.95	576.20	4,477.59	1,775.49	1,536.47	239.02	7.428	
14,600.00	10,036.00	13,861.51	9,400.06	125.52	131.23	-68.97	576.18	4,495.94	1,775.04	1,535.11	239.93	7.398	
14,680.38	10,036.00	13,935.72	9,401.88	127.53	133.06	-69.01	575.90	4,570.13	1,773.27	1,529.66	243.61	7.279	
14,700.00	10,036.00	13,951.67	9,402.13	128.02	133.45	-69.01	575.84	4,586.08	1,772.91	1,528.46	244.45	7.253	
14,779.60	10,036.00	14,016.00	9,402.70	130.02	135.04	-69.02	575.80	4,650.41	1,771.84	1,524.02	247.82	7.150	
14,800.00	10,036.00	14,034.44	9,402.78	130.53	135.50	-69.02	575.85	4,668.84	1,771.67	1,522.94	248.73	7.123	
14,879.21	10,036.00	14,104.18	9,403.29	132.52	137.23	-69.04	576.38	4,738.58	1,771.25	1,519.02	252.23	7.022	
14,900.00	10,036.00	14,131.31	9,403.59	133.04	137.90	-69.05	576.67	4,765.71	1,771.18	1,517.79	253.39	6.990	
14,980.48	10,036.00	14,235.56	9,405.28	135.06	140.49	-69.08	576.67	4,869.95	1,769.87	1,512.02	257.86	6.864	
15,000.00	10,036.00	14,253.79	9,405.69	135.55	140.94	-69.09	576.64	4,888.17	1,769.50	1,510.74	258.76	6.838	
15,080.41	10,036.00	14,335.47	9,408.34	137.58	142.98	-69.17	576.92	4,969.80	1,768.05	1,505.33	262.72	6.730	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program: 225-MWD+IGRF		Offset					Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,100.00	10,036.00	14,357.77	9,409.56	138.07	143.53	-69.20	577.13	4,992.07	1,767.65	1,503.88	263.77	6.702			
15,181.05	10,036.00	14,449.05	9,416.06	140.12	145.81	-69.40	578.20	5,083.11	1,765.71	1,497.55	268.17	6.584			
15,200.00	10,036.00	14,470.30	9,417.32	140.60	146.34	-69.44	578.27	5,104.32	1,765.19	1,496.01	269.18	6.558			
15,281.02	10,036.00	14,550.18	9,419.15	142.65	148.34	-69.48	577.37	5,184.15	1,762.90	1,489.84	273.06	6.456			
15,300.00	10,036.00	14,568.23	9,418.56	143.13	148.79	-69.45	576.82	5,202.18	1,762.39	1,488.49	273.90	6.434			
15,379.86	10,036.00	14,624.14	9,415.57	145.15	150.20	-69.33	574.99	5,257.98	1,760.71	1,483.79	276.92	6.358			
15,400.00	10,036.00	14,637.14	9,414.95	145.66	150.52	-69.31	574.73	5,270.96	1,760.49	1,482.82	277.66	6.340			
15,478.87	10,036.00	14,700.35	9,412.56	147.66	152.11	-69.22	574.40	5,334.12	1,760.33	1,479.48	280.86	6.268			
15,500.00	10,036.00	14,729.05	9,411.96	148.19	152.84	-69.20	574.40	5,362.82	1,760.29	1,478.25	282.03	6.241			
15,581.09	10,036.00	14,856.74	9,413.89	150.25	156.04	-69.24	574.20	5,490.47	1,759.01	1,471.88	287.13	6.126			
15,600.00	10,036.00	14,879.13	9,415.04	150.73	156.61	-69.27	574.09	5,512.83	1,758.39	1,470.22	288.16	6.102			
15,681.37	10,036.00	14,958.29	9,419.42	152.80	158.60	-69.39	573.83	5,591.86	1,755.76	1,463.55	292.21	6.009			
15,700.00	10,036.00	14,976.47	9,420.48	153.27	159.05	-69.43	573.80	5,610.02	1,755.17	1,462.03	293.14	5.987			
15,781.25	10,036.00	15,055.00	9,425.48	155.34	161.03	-69.57	573.91	5,688.39	1,752.67	1,455.45	297.22	5.897			
15,800.00	10,036.00	15,071.97	9,426.64	155.82	161.46	-69.60	573.98	5,705.32	1,752.12	1,453.98	298.14	5.877			
15,880.73	10,036.00	15,142.09	9,431.61	157.87	163.22	-69.76	574.63	5,775.25	1,750.05	1,448.02	302.02	5.794			
15,900.00	10,036.00	15,158.94	9,432.84	158.37	163.65	-69.79	574.87	5,792.06	1,749.63	1,446.67	302.96	5.775			
15,980.20	10,036.00	15,229.45	9,437.77	160.41	165.43	-69.95	576.02	5,862.39	1,748.15	1,441.30	306.85	5.697			
16,000.00	10,036.00	15,247.41	9,438.97	160.92	165.88	-69.99	576.36	5,880.30	1,747.86	1,440.04	307.82	5.678			
16,080.27	10,036.00	15,331.43	9,444.26	162.96	168.00	-70.16	577.76	5,964.14	1,746.61	1,434.53	312.08	5.597			
16,100.00	10,036.00	15,350.24	9,445.36	163.47	168.48	-70.19	578.03	5,982.92	1,746.28	1,433.22	313.07	5.578			
16,179.86	10,036.00	15,422.12	9,449.00	165.51	170.30	-70.31	579.03	6,054.70	1,745.19	1,428.26	316.93	5.507			
16,200.00	10,036.00	15,440.46	9,449.78	166.02	170.76	-70.33	579.29	6,073.02	1,744.97	1,427.08	317.90	5.489			
16,279.52	10,036.00	15,514.09	9,452.92	168.06	172.63	-70.44	580.49	6,146.58	1,744.28	1,422.51	321.77	5.421			
16,300.00	10,036.00	15,534.13	9,453.79	168.58	173.13	-70.46	580.87	6,166.60	1,744.15	1,421.35	322.80	5.403			
16,380.04	10,036.00	15,627.88	9,457.07	170.63	175.51	-70.57	581.94	6,260.28	1,743.30	1,416.08	327.22	5.328			
16,400.00	10,036.00	15,646.57	9,457.56	171.14	175.99	-70.58	582.04	6,278.96	1,743.02	1,414.84	328.18	5.311			
16,479.99	10,036.00	15,725.08	9,459.31	173.19	177.98	-70.63	582.36	6,357.46	1,741.96	1,409.84	332.12	5.245			
16,500.00	10,036.00	15,745.54	9,459.86	173.70	178.50	-70.65	582.48	6,377.91	1,741.70	1,408.57	333.13	5.228			
16,580.25	10,036.00	15,829.73	9,463.73	175.76	180.64	-70.77	583.47	6,462.00	1,740.59	1,403.24	337.35	5.160			
16,600.00	10,036.00	15,852.83	9,464.70	176.26	181.23	-70.80	583.65	6,485.08	1,740.27	1,401.82	338.45	5.142			
16,680.49	10,036.00	15,935.70	9,466.03	178.33	183.34	-70.83	583.23	6,567.93	1,738.66	1,396.19	342.48	5.077			
16,700.00	10,036.00	15,951.89	9,466.06	178.83	183.75	-70.82	583.10	6,584.12	1,738.32	1,394.98	343.34	5.063			
16,779.71	10,036.00	16,019.91	9,465.76	180.87	185.48	-70.80	582.77	6,652.14	1,737.28	1,390.40	346.88	5.008			
16,800.00	10,036.00	16,038.84	9,465.59	181.40	185.96	-70.79	582.71	6,671.06	1,737.08	1,389.26	347.82	4.994			
16,879.31	10,036.00	16,111.57	9,464.74	183.43	187.82	-70.76	582.57	6,743.79	1,736.47	1,385.04	351.44	4.941			
16,900.00	10,036.00	16,129.27	9,464.65	183.96	188.27	-70.75	582.64	6,761.49	1,736.38	1,384.02	352.36	4.928			
16,945.36	10,036.00	16,168.08	9,464.86	185.13	189.26	-70.76	583.03	6,800.30	1,736.29	1,381.90	354.40	4.899			
17,000.00	10,036.00	16,215.25	9,465.77	186.53	190.46	-70.79	583.95	6,847.45	1,736.41	1,379.50	356.91	4.865			
17,022.47	10,036.00	16,234.89	9,466.12	187.11	190.96	-70.81	584.39	6,867.08	1,736.53	1,378.58	357.95	4.851			
17,100.00	10,036.00	16,303.44	9,466.94	189.11	192.71	-70.84	586.01	6,935.61	1,737.20	1,375.67	361.53	4.805			
17,122.08	10,036.00	16,323.86	9,467.12	189.67	193.24	-70.85	586.54	6,956.02	1,737.46	1,374.88	362.58	4.792			
17,200.00	10,036.00	16,397.26	9,467.81	191.68	195.11	-70.89	588.60	7,029.39	1,738.53	1,372.21	366.31	4.746			
17,222.05	10,036.00	16,419.75	9,467.76	192.25	195.68	-70.89	589.16	7,051.87	1,738.85	1,371.44	367.41	4.733			
17,300.00	10,036.00	16,497.76	9,465.74	194.26	197.68	-70.83	590.43	7,129.84	1,739.95	1,368.85	371.10	4.689			
17,321.94	10,036.00	16,518.61	9,464.95	194.82	198.21	-70.81	590.70	7,150.67	1,740.27	1,368.18	372.09	4.677			
17,400.00	10,036.00	16,600.20	9,461.82	196.83	200.29	-70.71	591.79	7,232.20	1,741.48	1,365.67	375.81	4.634			
17,479.45	10,036.00	16,714.28	9,460.06	198.88	203.21	-70.66	592.91	7,346.25	1,741.90	1,361.32	380.58	4.577			
17,500.00	10,036.00	16,749.56	9,461.08	199.41	204.12	-70.69	593.21	7,381.50	1,741.67	1,359.65	382.03	4.559			
17,580.65	10,036.00	16,837.68	9,465.64	201.49	206.37	-70.83	593.98	7,469.50	1,740.16	1,353.71	386.45	4.503			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 135H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		225-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
17,600.00	10,036.00	16,857.63	9,466.74	201.99	206.88	-70.86	594.16	7,489.43	1,739.78	1,352.30	387.48	4.490			
17,680.31	10,036.00	16,931.03	9,470.84	204.06	208.76	-70.99	594.95	7,562.71	1,738.35	1,346.83	391.52	4.440			
17,700.00	10,036.00	16,951.00	9,471.95	204.57	209.28	-71.03	595.22	7,582.64	1,738.05	1,345.48	392.57	4.427			
17,780.03	10,036.00	17,027.42	9,474.70	206.64	211.24	-71.11	595.79	7,659.00	1,736.90	1,340.32	396.58	4.380			
17,800.00	10,036.00	17,045.00	9,474.91	207.15	211.69	-71.11	595.79	7,676.58	1,736.63	1,339.12	397.51	4.369			
17,879.60	10,036.00	17,116.83	9,475.88	209.21	213.53	-71.14	596.04	7,748.41	1,735.77	1,334.50	401.26	4.326			
17,900.00	10,036.00	17,134.77	9,476.27	209.73	213.99	-71.15	596.22	7,766.34	1,735.62	1,333.39	402.23	4.315			
17,992.05	10,036.00	17,215.35	9,477.83	212.11	216.06	-71.20	597.30	7,846.90	1,735.31	1,328.77	406.54	4.268			
18,000.00	10,036.00	17,222.30	9,477.92	212.32	216.24	-71.21	597.41	7,853.85	1,735.31	1,328.40	406.91	4.265			
18,022.91	10,036.00	17,242.65	9,478.14	212.91	216.76	-71.21	597.72	7,874.20	1,735.34	1,327.36	407.98	4.253			
18,100.00	10,036.00	17,313.38	9,479.05	214.90	218.58	-71.25	599.05	7,944.90	1,735.64	1,323.98	411.66	4.216			
18,122.41	10,036.00	17,331.00	9,479.32	215.48	219.03	-71.26	599.44	7,962.52	1,735.79	1,323.14	412.64	4.207			
18,200.00	10,036.00	17,403.03	9,480.31	217.49	220.88	-71.30	601.22	8,034.52	1,736.50	1,320.12	416.38	4.170			
18,221.81	10,036.00	17,426.00	9,480.56	218.05	221.47	-71.31	601.85	8,057.48	1,736.78	1,319.26	417.52	4.160			
18,300.00	10,036.00	17,491.25	9,482.34	220.08	223.15	-71.39	604.21	8,122.66	1,738.00	1,316.89	421.11	4.127			
18,321.83	10,036.00	17,510.39	9,483.27	220.64	223.64	-71.42	605.11	8,141.75	1,738.42	1,316.24	422.18	4.118			
18,400.00	10,036.00	17,598.64	9,487.15	222.67	225.91	-71.57	608.99	8,229.83	1,739.84	1,313.14	426.70	4.077			
18,421.92	10,036.00	17,624.46	9,487.65	223.23	226.57	-71.60	609.79	8,255.63	1,740.13	1,312.18	427.94	4.066			
18,500.00	10,036.00	17,694.17	9,487.71	225.25	228.37	-71.61	611.64	8,325.31	1,741.30	1,309.74	431.56	4.035			
18,521.35	10,036.00	17,711.00	9,487.44	225.81	228.80	-71.60	612.03	8,342.14	1,741.68	1,309.23	432.45	4.027			
18,600.00	10,036.00	17,785.03	9,485.51	227.84	230.71	-71.55	613.71	8,416.13	1,743.25	1,307.19	436.06	3.998			
18,620.80	10,036.00	17,805.00	9,484.81	228.38	231.22	-71.53	614.16	8,436.08	1,743.72	1,306.71	437.01	3.990			
18,700.00	10,036.00	17,875.01	9,482.02	230.44	233.02	-71.46	615.84	8,506.00	1,745.75	1,305.33	440.42	3.964			
18,700.45	10,036.00	17,875.41	9,482.00	230.45	233.03	-71.46	615.85	8,506.41	1,745.76	1,305.32	440.44	3.964			
18,703.19	10,036.00	17,877.87	9,481.90	230.52	233.09	-71.45	615.91	8,508.87	1,745.84	1,305.28	440.56	3.963 SF			

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		225-MWD+IGRF		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	1.00	1.00	0.00	0.01	-90.94	-1.80	-109.71	109.72						
100.00	100.00	100.87	100.87	0.50	0.75	-90.91	-1.75	-109.77	109.78	109.22	0.57	193.913			
200.00	200.00	200.75	200.75	1.05	1.50	-90.83	-1.59	-109.95	109.96	108.77	1.19	92.516			
300.00	300.00	300.01	300.01	1.55	1.98	-90.76	-1.47	-110.44	110.45	108.47	1.98	55.708			
400.00	400.00	399.86	399.85	1.98	2.19	-90.89	-1.73	-111.44	111.46	108.64	2.82	39.557			
500.00	500.00	499.64	499.63	2.40	2.39	-91.27	-2.50	-112.58	112.62	108.87	3.75	30.026			
600.00	600.00	599.94	599.92	2.79	2.71	-91.70	-3.38	-113.65	113.71	108.73	4.98	22.843			
700.00	700.00	700.31	700.28	3.18	3.30	-92.07	-4.14	-114.44	114.52	108.38	6.14	18.651			
800.00	800.00	800.80	800.77	3.56	3.94	-92.43	-4.86	-114.83	114.93	107.77	7.16	16.050			
900.00	900.00	900.60	900.55	3.94	4.81	-93.01	-6.05	-114.92	115.08	106.90	8.18	14.073			
1,000.00	1,000.00	999.54	999.39	4.32	6.49	-95.20	-10.50	-115.45	115.93	106.64	9.29	12.474			
1,100.00	1,100.00	1,098.71	1,098.24	4.69	8.22	-98.97	-18.36	-116.38	117.85	107.21	10.64	11.072			
1,200.00	1,200.00	1,197.78	1,196.78	5.06	9.91	-103.70	-28.58	-117.22	120.73	108.46	12.27	9.841			
1,300.00	1,300.00	1,296.46	1,294.75	5.43	10.63	-108.82	-40.26	-118.15	124.98	111.25	13.73	9.105			
1,400.00	1,400.00	1,395.11	1,392.68	5.79	11.17	-113.55	-52.10	-119.56	130.69	115.60	15.08	8.665			
1,500.00	1,500.00	1,497.61	1,494.37	6.16	11.87	-118.49	-64.93	-119.62	136.27	119.43	16.83	8.095			
1,600.00	1,600.00	1,598.77	1,594.57	6.53	12.59	-123.95	-78.46	-116.54	140.64	122.15	18.49	7.606			
1,700.00	1,700.00	1,694.67	1,689.34	6.89	13.26	-129.31	-92.77	-113.29	146.89	127.02	19.87	7.391			
1,800.00	1,800.00	1,790.67	1,783.96	7.25	13.85	-134.40	-108.82	-111.11	156.46	135.45	21.00	7.449			
1,900.00	1,900.00	1,888.35	1,880.21	7.62	14.18	-138.76	-125.45	-109.97	168.12	146.38	21.74	7.732			
2,000.00	2,000.00	1,985.48	1,975.95	7.98	14.51	-142.22	-141.79	-109.89	181.13	158.72	22.41	8.082			
2,100.00	2,099.99	2,081.27	2,070.22	8.30	14.85	22.93	-158.79	-110.63	194.77	171.79	22.98	8.476			
2,200.00	2,199.91	2,178.41	2,165.62	8.78	15.20	20.75	-177.01	-112.34	207.77	184.06	23.71	8.765			
2,300.00	2,299.69	2,278.31	2,263.94	9.25	15.61	19.94	-193.97	-117.11	218.61	194.13	24.47	8.932			
2,400.00	2,399.27	2,377.32	2,361.53	9.71	16.05	20.41	-208.66	-125.01	226.88	201.63	25.26	8.983			
2,500.00	2,498.57	2,475.04	2,457.75	10.16	16.52	21.13	-223.58	-133.42	233.46	207.44	26.02	8.972			
2,600.00	2,597.54	2,574.32	2,555.36	10.61	16.96	21.97	-239.55	-142.00	238.35	211.53	26.82	8.887			
2,700.00	2,696.11	2,675.09	2,654.46	10.95	17.32	22.89	-255.89	-150.12	240.78	213.25	27.53	8.746			
2,800.00	2,794.59	2,776.06	2,753.81	11.26	17.69	23.73	-272.26	-157.58	242.35	214.13	28.22	8.589			
2,900.00	2,893.08	2,877.14	2,853.34	11.59	18.07	24.48	-288.51	-164.47	243.51	214.58	28.93	8.417			
3,000.00	2,991.56	2,977.83	2,952.53	11.92	18.45	25.12	-304.61	-170.76	244.29	214.65	29.64	8.241			
3,100.00	3,090.04	3,078.41	3,051.64	12.26	18.84	25.64	-320.80	-176.49	244.85	214.49	30.36	8.065			
3,200.00	3,188.52	3,177.80	3,149.53	12.61	19.23	26.00	-337.16	-181.62	245.39	214.32	31.07	7.898			
3,300.00	3,287.00	3,277.04	3,247.17	12.96	19.62	26.14	-354.31	-186.20	246.25	214.47	31.77	7.750			
3,400.00	3,385.48	3,379.24	3,347.76	13.32	20.03	26.21	-371.92	-190.51	246.82	214.30	32.52	7.591			
3,500.00	3,483.96	3,480.59	3,447.67	13.69	20.45	26.40	-388.39	-194.59	246.49	213.21	33.29	7.405			
3,521.93	3,505.56	3,501.45	3,468.23	13.77	20.56	26.42	-391.83	-195.40	246.45	212.97	33.47	7.362			
3,600.00	3,582.44	3,575.72	3,541.26	14.06	20.95	26.35	-405.08	-198.18	247.05	212.91	34.13	7.238			
3,700.00	3,680.92	3,671.87	3,635.36	14.44	21.45	25.88	-424.51	-201.54	249.55	214.59	34.96	7.138			
3,800.00	3,779.40	3,775.17	3,736.43	14.82	22.00	25.25	-445.67	-204.60	251.99	216.09	35.89	7.021			
3,900.00	3,877.88	3,877.20	3,836.48	15.21	22.51	24.66	-465.49	-206.95	253.18	216.44	36.74	6.891			
4,000.00	3,976.36	3,976.31	3,933.65	15.61	22.92	24.02	-484.91	-208.90	254.35	216.93	37.42	6.798			
4,100.00	4,074.85	4,075.48	4,030.77	16.02	23.33	23.27	-504.86	-210.66	255.88	217.80	38.08	6.720			
4,200.00	4,173.33	4,174.78	4,127.96	16.43	23.76	22.49	-525.17	-212.40	257.71	218.97	38.74	6.653			
4,300.00	4,271.81	4,274.92	4,225.93	16.85	24.19	21.68	-545.85	-214.13	259.76	220.35	39.41	6.592			
4,400.00	4,370.29	4,375.87	4,324.73	17.27	24.62	20.85	-566.51	-215.57	261.53	221.45	40.08	6.525			
4,500.00	4,468.77	4,474.55	4,421.33	17.70	25.06	20.04	-586.62	-216.88	263.23	222.50	40.72	6.464			
4,600.00	4,567.25	4,571.83	4,516.43	18.13	25.49	19.32	-607.00	-218.91	265.87	224.52	41.35	6.430			
4,700.00	4,665.73	4,670.72	4,612.98	18.57	25.93	18.69	-628.16	-221.72	269.34	227.33	42.00	6.412			
4,800.00	4,764.21	4,770.39	4,710.32	19.01	26.38	18.18	-649.37	-225.02	272.96	230.28	42.68	6.396			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 225-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
4,900.00	4,862.69	4,873.89	4,811.52	19.46	26.83	17.76	-670.73	-228.64	276.14	232.73	43.41	6.361			
5,000.00	4,961.17	4,978.46	4,914.13	19.90	27.30	17.45	-690.62	-231.94	277.71	233.54	44.17	6.287			
5,100.00	5,059.65	5,073.80	5,007.73	20.35	27.72	17.31	-708.41	-235.51	279.27	234.44	44.82	6.230			
5,200.00	5,158.13	5,169.00	5,100.92	20.81	28.15	17.34	-727.16	-240.60	282.54	237.05	45.49	6.211			
5,300.00	5,256.61	5,274.43	5,204.18	21.26	28.61	17.45	-747.65	-246.49	285.69	239.38	46.31	6.169			
5,400.00	5,355.10	5,377.56	5,305.52	21.72	29.09	17.51	-766.17	-251.13	286.98	239.86	47.12	6.091			
5,500.00	5,453.58	5,471.26	5,397.39	22.18	29.57	17.37	-784.15	-254.90	289.15	241.26	47.89	6.038			
5,600.00	5,552.06	5,567.11	5,490.90	22.64	30.08	16.98	-804.93	-258.59	293.43	244.76	48.67	6.029			
5,700.00	5,650.54	5,672.90	5,594.21	23.10	30.67	16.50	-827.40	-262.12	297.11	247.42	49.69	5.979			
5,800.00	5,749.02	5,776.45	5,695.71	23.56	31.22	16.08	-847.69	-264.85	298.98	248.38	50.60	5.909			
5,900.00	5,847.50	5,876.76	5,794.07	24.03	31.70	15.53	-867.33	-266.58	300.44	249.10	51.33	5.853			
6,000.00	5,945.98	5,978.41	5,893.73	24.49	32.17	14.85	-887.31	-267.65	301.69	249.67	52.02	5.799			
6,100.00	6,044.46	6,081.37	5,994.94	24.96	32.63	14.44	-906.12	-269.60	302.09	249.36	52.73	5.729			
6,200.00	6,142.94	6,183.09	6,095.16	25.42	33.08	14.33	-923.25	-272.56	301.64	248.19	53.46	5.643			
6,300.00	6,241.42	6,284.24	6,194.94	25.89	33.51	14.45	-939.39	-276.41	300.79	246.58	54.21	5.549			
6,387.48	6,327.57	6,368.59	6,278.13	26.30	33.90	14.63	-952.80	-280.06	300.21	245.33	54.88	5.470			
6,400.00	6,339.90	6,380.52	6,289.88	26.36	33.96	14.65	-954.80	-280.56	300.22	245.25	54.98	5.461			
6,500.00	6,438.38	6,475.75	6,383.51	26.83	34.40	14.66	-971.78	-284.46	301.21	245.51	55.71	5.407			
6,600.00	6,536.86	6,577.90	6,483.80	27.30	34.89	14.59	-990.70	-288.58	302.80	246.29	56.51	5.358			
6,700.00	6,635.35	6,681.03	6,585.29	27.77	35.37	14.68	-1,008.48	-292.96	303.32	245.98	57.34	5.290			
6,800.00	6,733.83	6,779.31	6,682.04	28.24	35.81	14.73	-1,025.34	-296.88	303.64	245.58	58.07	5.229			
6,900.00	6,832.31	6,877.40	6,778.44	28.72	36.25	14.58	-1,043.11	-300.09	304.53	245.77	58.75	5.183			
7,000.00	6,930.79	6,973.99	6,873.21	29.19	36.70	14.35	-1,061.57	-303.26	306.31	246.90	59.42	5.155			
7,100.00	7,029.27	7,072.06	6,969.21	29.66	37.16	14.12	-1,081.24	-306.91	309.17	249.08	60.09	5.145			
7,200.00	7,127.75	7,178.06	7,073.15	30.14	37.65	13.84	-1,101.78	-310.27	311.16	250.30	60.86	5.113			
7,300.00	7,226.23	7,285.07	7,178.44	30.61	38.15	13.51	-1,120.72	-312.50	311.16	249.52	61.65	5.048			
7,400.00	7,324.71	7,393.55	7,285.63	31.08	38.64	13.22	-1,137.30	-313.81	308.57	246.09	62.48	4.939			
7,500.00	7,423.19	7,497.91	7,389.10	31.56	39.10	13.01	-1,150.91	-314.40	303.65	240.37	63.28	4.798			
7,600.00	7,521.67	7,600.02	7,490.47	32.03	39.54	12.87	-1,163.25	-314.93	297.85	233.76	64.09	4.648			
7,700.00	7,620.15	7,704.94	7,594.77	32.51	39.97	12.83	-1,174.58	-315.51	290.90	226.04	64.87	4.485			
7,800.00	7,718.63	7,810.33	7,699.76	32.99	40.39	13.00	-1,183.65	-316.14	281.97	216.32	65.65	4.295			
7,900.00	7,817.11	7,911.86	7,801.03	33.46	40.77	13.26	-1,190.96	-316.48	271.66	205.20	66.46	4.088			
8,000.00	7,915.60	8,012.99	7,901.93	33.94	41.14	13.47	-1,197.69	-316.26	260.62	193.36	67.26	3.875			
8,100.00	8,014.08	8,112.40	8,001.14	34.42	41.49	13.77	-1,203.91	-316.16	249.29	181.26	68.03	3.665			
8,200.00	8,112.56	8,212.63	8,101.19	34.89	41.84	14.24	-1,209.87	-316.57	237.91	169.09	68.81	3.457			
8,300.00	8,211.04	8,315.56	8,204.02	35.37	42.18	14.98	-1,214.58	-317.21	225.42	155.84	69.58	3.240			
8,400.00	8,309.52	8,417.30	8,305.71	35.85	42.50	16.06	-1,217.43	-317.93	211.45	141.04	70.40	3.003			
8,500.00	8,408.00	8,517.84	8,406.23	36.33	42.78	17.55	-1,218.99	-319.02	196.66	125.36	71.30	2.758			
8,600.00	8,506.48	8,618.48	8,506.87	36.80	43.03	19.29	-1,219.67	-319.59	181.02	108.81	72.21	2.507			
8,700.00	8,605.02	8,717.74	8,606.13	37.27	43.26	21.49	-1,219.25	-320.27	165.06	91.80	73.26	2.253			
8,800.00	8,703.94	8,817.77	8,706.15	37.72	43.49	23.85	-1,218.46	-320.95	151.21	76.86	74.35	2.034			
8,900.00	8,803.20	8,918.55	8,806.91	38.15	43.72	25.68	-1,217.52	-319.88	138.83	63.50	75.34	1.843			
9,000.00	8,902.74	9,021.74	8,909.56	38.55	44.07	23.47	-1,220.26	-310.74	127.07	51.69	75.38	1.686			
9,100.00	9,002.50	9,122.40	9,006.69	38.92	44.97	12.29	-1,229.20	-286.44	116.06	41.93	74.14	1.566			
9,163.62	9,066.05	9,183.51	9,062.62	39.14	45.33	0.13	-1,236.90	-263.17	113.13	39.86	73.27	1.544 ES, SF			
9,200.00	9,102.41	9,215.51	9,090.48	39.27	45.49	-7.77	-1,241.14	-248.03	114.57	41.47	73.10	1.567			
9,300.00	9,202.39	9,292.75	9,154.40	39.59	45.95	-27.28	-1,252.61	-206.24	136.98	64.44	72.54	1.888			
9,400.00	9,302.39	9,363.45	9,210.28	39.86	46.31	151.10	-1,265.39	-164.88	181.25	110.16	71.09	2.550			
9,500.00	9,402.39	9,415.96	9,249.17	40.14	46.57	143.35	-1,275.57	-131.17	238.83	171.07	67.76	3.525			
9,600.00	9,502.36	9,452.00	9,271.52	40.42	46.77	45.99	-1,282.06	-103.70	308.75	245.26	63.49	4.863			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-MWD+IGRF													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,601.02	9,490.59	9,291.19	40.87	46.93	35.68	-1,286.30	-70.82	380.19	319.46	60.74	6.260	
9,800.00	9,695.49	9,514.00	9,301.16	41.28	47.03	28.96	-1,286.55	-49.66	448.44	391.73	56.70	7.909	
9,900.00	9,782.90	9,556.69	9,315.04	41.63	47.11	23.08	-1,284.87	-9.37	511.92	455.85	56.08	9.129	
10,000.00	9,860.58	9,610.00	9,324.05	41.91	47.22	18.62	-1,281.36	42.99	572.39	515.33	57.07	10.030	
10,100.00	9,926.19	9,610.00	9,324.05	42.12	47.22	16.77	-1,281.36	42.99	624.43	569.96	54.46	11.465	
10,200.00	9,977.73	9,677.61	9,327.69	42.30	47.33	14.15	-1,276.15	110.29	668.78	613.04	55.74	11.999	
10,300.00	10,013.62	9,752.81	9,328.38	42.46	47.51	12.44	-1,270.93	185.30	701.69	645.23	56.46	12.429	
10,400.00	10,032.79	9,854.53	9,328.56	42.66	47.83	11.34	-1,264.70	286.83	719.29	662.38	56.91	12.639	
10,480.26	10,037.87	9,975.64	9,332.32	42.87	48.36	10.71	-1,256.40	407.58	721.12	663.53	57.59	12.521	
10,500.00	10,036.00	9,992.35	9,333.40	42.94	48.44	10.70	-1,255.31	424.22	717.83	660.15	57.68	12.445	
10,579.54	10,036.00	10,054.91	9,336.68	43.26	48.81	10.56	-1,252.25	486.61	713.16	655.29	57.87	12.323	
10,600.00	10,036.00	10,070.00	9,337.29	43.36	48.91	10.54	-1,251.75	501.68	712.27	654.33	57.93	12.295	
10,678.60	10,036.00	10,130.19	9,338.77	43.80	49.35	10.47	-1,250.04	561.83	710.13	651.87	58.26	12.189	
10,700.00	10,036.00	10,146.33	9,338.88	43.94	49.47	10.45	-1,249.60	577.96	709.92	651.56	58.36	12.165	
10,800.00	10,036.00	10,227.57	9,337.97	44.70	50.16	10.34	-1,247.43	659.16	710.70	651.78	58.92	12.062	
10,900.00	10,036.00	10,361.16	9,337.93	45.66	51.49	10.10	-1,243.09	792.65	710.33	650.59	59.74	11.891	
10,956.57	10,036.00	10,398.60	9,338.33	46.29	51.92	10.05	-1,242.05	830.08	709.57	649.45	60.12	11.802	
11,000.00	10,036.00	10,434.00	9,337.82	46.80	52.33	10.03	-1,241.43	865.46	710.06	649.57	60.49	11.739	
11,100.00	10,036.00	10,492.45	9,335.10	48.10	53.09	10.03	-1,241.33	923.85	714.52	653.04	61.48	11.622	
11,200.00	10,036.00	10,628.45	9,326.97	49.54	55.00	10.04	-1,241.50	1,059.57	721.20	658.71	62.49	11.541	
11,300.00	10,036.00	10,756.36	9,328.72	51.09	56.91	9.86	-1,237.61	1,187.38	719.04	655.56	63.48	11.328	
11,379.27	10,036.00	10,832.37	9,329.05	52.40	58.10	9.67	-1,234.27	1,263.32	718.22	654.12	64.10	11.205	
11,400.00	10,036.00	10,860.87	9,329.45	52.75	58.56	9.59	-1,232.92	1,291.78	717.81	653.55	64.25	11.171	
11,479.75	10,036.00	10,946.54	9,331.85	54.14	59.98	9.35	-1,228.68	1,377.32	715.06	650.23	64.83	11.029	
11,500.00	10,036.00	10,965.89	9,332.37	54.49	60.30	9.30	-1,227.66	1,396.63	714.39	649.42	64.97	10.996	
11,579.16	10,036.00	11,038.51	9,334.01	55.94	61.57	9.09	-1,224.09	1,469.14	712.13	646.60	65.53	10.867	
11,600.00	10,036.00	11,057.33	9,334.34	56.32	61.90	9.06	-1,223.37	1,487.95	711.67	645.98	65.69	10.833	
11,679.91	10,036.00	11,147.14	9,336.29	57.83	63.55	8.98	-1,221.13	1,577.71	709.82	643.41	66.41	10.689	
11,700.00	10,036.00	11,172.00	9,337.24	58.21	64.01	8.99	-1,220.85	1,602.54	709.06	642.44	66.62	10.644	
11,779.36	10,036.00	11,244.10	9,340.01	59.76	65.38	9.05	-1,220.47	1,674.59	706.12	638.67	67.45	10.469	
11,800.00	10,036.00	11,262.50	9,340.58	60.16	65.74	9.07	-1,220.42	1,692.98	705.51	637.84	67.67	10.426	
11,878.87	10,036.00	11,331.97	9,342.23	61.74	67.10	9.17	-1,220.63	1,762.43	703.83	635.27	68.56	10.266	
11,900.00	10,036.00	11,350.55	9,342.53	62.17	67.46	9.20	-1,220.84	1,781.01	703.56	634.75	68.81	10.225	
12,000.00	10,036.00	11,427.98	9,342.65	64.22	69.03	9.40	-1,222.42	1,858.42	703.95	633.82	70.13	10.038	
12,100.00	10,036.00	11,515.23	9,340.22	66.31	70.82	9.66	-1,225.27	1,945.59	707.35	635.77	71.58	9.882	
12,200.00	10,036.00	11,747.00	9,357.33	68.45	75.68	9.83	-1,222.02	2,175.96	697.39	623.76	73.63	9.472	
12,281.22	10,036.00	11,802.27	9,364.91	70.21	76.86	9.87	-1,220.56	2,230.68	686.40	611.81	74.60	9.201	
12,300.00	10,036.00	11,813.39	9,366.11	70.62	77.10	9.89	-1,220.51	2,241.73	684.43	609.58	74.85	9.144	
12,380.75	10,036.00	11,883.51	9,372.19	72.39	78.64	10.10	-1,221.29	2,311.58	677.72	601.61	76.11	8.905	
12,400.00	10,036.00	11,907.38	9,374.40	72.82	79.16	10.17	-1,221.44	2,335.36	676.02	599.59	76.43	8.845	
12,480.47	10,036.00	11,977.10	9,380.96	74.61	80.70	10.33	-1,221.40	2,404.76	668.77	591.13	77.64	8.614	
12,500.00	10,036.00	11,991.26	9,382.02	75.04	81.01	10.35	-1,221.37	2,418.88	667.37	589.44	77.93	8.564	
12,578.89	10,036.00	12,030.00	9,384.34	76.82	81.86	10.42	-1,221.31	2,457.55	663.61	584.43	79.18	8.381	
12,600.00	10,036.00	12,057.78	9,385.32	77.30	82.48	10.46	-1,221.36	2,485.31	662.80	583.28	79.52	8.335	
12,700.00	10,036.00	12,123.00	9,384.59	79.58	83.94	10.58	-1,222.28	2,550.51	664.10	582.77	81.33	8.166	
12,800.00	10,036.00	12,207.75	9,380.42	81.87	85.85	10.70	-1,223.60	2,635.14	669.30	586.31	82.98	8.066	
12,900.00	10,036.00	12,368.49	9,377.78	84.19	89.50	10.68	-1,222.20	2,795.80	671.22	587.31	83.91	7.999	
12,980.84	10,036.00	12,470.50	9,383.12	86.08	91.82	10.57	-1,218.84	2,897.61	666.59	581.84	84.75	7.865	
13,000.00	10,036.00	12,491.25	9,384.41	86.53	92.30	10.55	-1,218.07	2,918.30	665.32	580.36	84.96	7.831	
13,080.05	10,036.00	12,564.79	9,388.77	88.41	93.98	10.42	-1,215.06	2,991.65	660.22	574.32	85.90	7.686	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		225-MWD+IGRF						Rule Assigned:				Offset Well Error:	0.00 usft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
13,100.00	10,036.00	12,582.75	9,389.69	88.88	94.39	10.39	-1,214.25	3,009.57	659.09	572.97	86.13	7.653		
13,179.77	10,036.00	12,656.63	9,393.11	90.77	96.11	10.27	-1,211.56	3,083.32	655.08	568.00	87.08	7.523		
13,200.00	10,036.00	12,675.50	9,393.95	91.25	96.55	10.27	-1,211.22	3,102.16	654.17	566.81	87.36	7.488		
13,278.85	10,036.00	12,738.94	9,396.16	93.13	98.04	10.32	-1,210.65	3,165.56	651.50	562.88	88.62	7.352		
13,300.00	10,036.00	12,755.36	9,396.45	93.64	98.42	10.32	-1,210.52	3,181.98	651.14	562.18	88.96	7.319		
13,379.25	10,036.00	12,835.18	9,397.04	95.53	100.30	10.32	-1,209.58	3,261.79	650.55	560.49	90.06	7.223		
13,400.00	10,036.00	12,859.97	9,397.41	96.03	100.88	10.30	-1,208.96	3,286.57	650.19	559.91	90.28	7.202		
13,480.71	10,036.00	12,963.66	9,401.02	97.97	103.33	10.20	-1,206.05	3,390.15	647.20	556.15	91.05	7.108		
13,500.00	10,036.00	12,988.64	9,402.50	98.44	103.92	10.19	-1,205.51	3,415.08	646.03	554.77	91.26	7.079		
13,580.97	10,036.00	13,082.31	9,409.80	100.40	106.14	10.16	-1,202.82	3,508.43	639.49	547.26	92.23	6.934		
13,600.00	10,036.00	13,097.50	9,411.01	100.86	106.51	10.15	-1,202.38	3,523.56	637.93	545.40	92.53	6.894		
13,679.71	10,036.00	13,161.00	9,415.18	102.79	108.02	10.16	-1,201.02	3,586.91	632.63	538.80	93.83	6.742		
13,700.00	10,036.00	13,176.42	9,415.96	103.29	108.39	10.16	-1,200.83	3,602.30	631.62	537.42	94.19	6.705		
13,778.70	10,036.00	13,235.40	9,417.92	105.21	109.82	10.27	-1,200.99	3,661.24	629.22	533.51	95.71	6.574		
13,800.00	10,036.00	13,255.00	9,418.21	105.73	110.29	10.32	-1,201.35	3,680.84	629.01	532.87	96.14	6.543		
13,834.80	10,036.00	13,282.21	9,418.44	106.58	110.95	10.40	-1,201.96	3,708.04	628.90	532.04	96.86	6.493		
13,900.00	10,036.00	13,341.44	9,418.50	108.17	112.39	10.58	-1,203.24	3,767.26	629.21	531.04	98.17	6.409		
13,923.46	10,036.00	13,364.81	9,418.39	108.75	112.96	10.64	-1,203.71	3,790.63	629.46	530.83	98.62	6.383		
14,000.00	10,036.00	13,445.61	9,418.13	110.63	114.93	10.76	-1,204.25	3,871.42	629.94	530.04	99.90	6.306		
14,079.14	10,036.00	13,528.89	9,418.18	112.58	116.95	10.77	-1,203.50	3,954.70	629.91	528.88	101.03	6.235		
14,100.00	10,036.00	13,550.48	9,418.25	113.10	117.47	10.76	-1,203.17	3,976.29	629.82	528.51	101.31	6.217		
14,179.11	10,036.00	13,631.19	9,418.61	115.05	119.44	10.70	-1,201.59	4,056.97	629.34	526.99	102.35	6.149		
14,200.00	10,036.00	13,653.03	9,418.73	115.57	119.97	10.67	-1,201.06	4,078.81	629.18	526.58	102.60	6.132		
14,279.72	10,036.00	13,739.20	9,419.40	117.54	122.07	10.48	-1,197.95	4,164.92	628.20	524.85	103.35	6.078		
14,300.00	10,036.00	13,767.05	9,419.94	118.05	122.74	10.41	-1,196.73	4,192.74	627.69	524.27	103.43	6.069		
14,380.36	10,036.00	13,860.98	9,423.92	120.04	125.03	10.19	-1,192.65	4,286.50	623.78	519.73	104.05	5.995		
14,400.00	10,036.00	13,879.69	9,424.81	120.53	125.49	10.15	-1,191.85	4,305.17	622.76	518.48	104.28	5.972		
14,479.27	10,036.00	13,947.86	9,427.61	122.50	127.16	10.01	-1,189.07	4,373.22	619.16	513.81	105.35	5.877		
14,500.00	10,036.00	13,963.83	9,428.02	123.02	127.55	9.98	-1,188.50	4,389.17	618.54	512.87	105.67	5.854		
14,578.55	10,036.00	14,028.73	9,428.57	124.98	129.14	9.88	-1,186.62	4,454.04	617.59	510.77	106.83	5.781		
14,600.00	10,036.00	14,051.10	9,428.61	125.52	129.69	9.85	-1,186.05	4,476.41	617.49	510.41	107.08	5.767		
14,679.52	10,036.00	14,137.11	9,429.19	127.51	131.82	9.75	-1,183.94	4,562.39	616.78	508.79	108.00	5.711		
14,700.00	10,036.00	14,160.81	9,429.55	128.02	132.40	9.70	-1,183.17	4,586.08	616.41	508.23	108.18	5.698		
14,778.72	10,036.00	14,233.24	9,430.91	129.99	134.20	9.55	-1,180.50	4,658.44	614.64	505.50	109.14	5.632		
14,800.00	10,036.00	14,249.03	9,430.99	130.53	134.59	9.54	-1,180.18	4,674.23	614.50	505.00	109.51	5.611		
14,900.00	10,036.00	14,329.48	9,429.73	133.04	136.61	9.63	-1,180.56	4,754.66	616.22	504.78	111.44	5.529		
15,000.00	10,036.00	14,426.78	9,426.84	135.55	139.05	9.92	-1,183.30	4,851.88	619.79	506.17	113.62	5.455		
15,100.00	10,036.00	14,562.13	9,425.79	138.07	142.45	10.29	-1,186.16	4,987.17	621.37	505.85	115.52	5.379		
15,180.09	10,036.00	14,657.18	9,429.56	140.10	144.83	10.43	-1,186.01	5,082.14	618.33	501.48	116.85	5.292		
15,200.00	10,036.00	14,672.00	9,430.29	140.60	145.20	10.45	-1,185.89	5,096.94	617.40	500.11	117.29	5.264		
15,279.54	10,036.00	14,747.01	9,433.36	142.61	147.08	10.50	-1,185.08	5,171.88	614.21	495.50	118.71	5.174		
15,300.00	10,036.00	14,767.00	9,433.93	143.13	147.58	10.50	-1,184.81	5,191.87	613.62	494.57	119.05	5.154		
15,381.27	10,036.00	14,829.56	9,434.77	145.19	149.15	10.51	-1,184.16	5,254.42	612.51	491.84	120.67	5.076		
15,400.00	10,036.00	14,844.44	9,434.74	145.66	149.52	10.52	-1,184.06	5,269.30	612.57	491.54	121.03	5.061		
15,500.00	10,036.00	14,932.33	9,433.21	148.19	151.73	10.52	-1,183.46	5,357.17	614.33	491.53	122.79	5.003		
15,600.00	10,036.00	15,038.93	9,430.62	150.73	154.41	10.48	-1,182.39	5,463.72	616.74	492.54	124.20	4.966		
15,682.79	10,036.00	15,184.20	9,438.62	152.84	158.06	10.55	-1,180.16	5,608.64	610.95	486.19	124.77	4.897		
15,700.00	10,036.00	15,197.37	9,439.72	153.27	158.39	10.57	-1,180.01	5,621.76	609.52	484.33	125.20	4.868		
15,779.71	10,036.00	15,260.29	9,443.99	155.30	159.98	10.70	-1,179.94	5,684.54	604.33	477.09	127.24	4.750		
15,800.00	10,036.00	15,277.31	9,444.89	155.82	160.41	10.73	-1,179.99	5,701.53	603.32	475.59	127.73	4.723		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH													Offset Site Error: 0.00 usft	
Survey Program: 225-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,879.32	10,036.00	15,345.88	9,447.59	157.84	162.15	10.85	-1,180.05	5,770.04	600.40	470.86	129.54	4.635		
15,900.00	10,036.00	15,367.00	9,448.27	158.37	162.68	10.89	-1,180.05	5,791.16	599.79	469.84	129.95	4.615		
15,979.57	10,036.00	15,447.28	9,450.99	160.39	164.72	11.01	-1,180.03	5,871.39	597.30	465.74	131.56	4.540		
16,000.00	10,036.00	15,467.06	9,451.64	160.92	165.22	11.04	-1,179.98	5,891.15	596.67	464.70	131.97	4.521		
16,079.72	10,036.00	15,548.26	9,454.08	162.95	167.27	11.11	-1,179.37	5,972.32	594.36	460.94	133.42	4.455		
16,100.00	10,036.00	15,571.79	9,454.91	163.47	167.87	11.11	-1,179.01	5,995.84	593.64	459.95	133.69	4.440		
16,179.50	10,036.00	15,648.84	9,458.10	165.50	169.82	11.08	-1,177.27	6,072.79	590.24	455.27	134.97	4.373		
16,200.00	10,036.00	15,664.62	9,458.56	166.02	170.22	11.07	-1,176.96	6,088.57	589.62	454.23	135.39	4.355		
16,273.00	10,036.00	15,721.40	9,459.21	167.89	171.66	11.07	-1,176.16	6,145.33	588.74	451.86	136.88	4.301		
16,300.00	10,036.00	15,743.62	9,459.08	168.58	172.22	11.06	-1,175.90	6,167.55	588.88	451.49	137.40	4.286		
16,400.00	10,036.00	15,831.97	9,456.83	171.14	174.47	10.97	-1,174.44	6,255.86	591.22	452.24	138.97	4.254		
16,500.00	10,036.00	15,943.69	9,454.03	173.70	177.30	10.66	-1,170.57	6,367.47	593.23	453.65	139.58	4.250		
16,562.92	10,036.00	16,012.21	9,453.64	175.31	179.04	10.55	-1,168.76	6,435.96	593.38	453.17	140.21	4.232		
16,600.00	10,036.00	16,046.08	9,453.55	176.26	179.91	10.54	-1,168.39	6,469.84	593.48	452.62	140.86	4.213		
16,700.00	10,036.00	16,138.35	9,452.69	178.83	182.27	10.68	-1,169.03	6,562.10	594.71	451.70	143.01	4.159		
16,800.00	10,036.00	16,248.73	9,450.97	181.40	185.09	10.74	-1,168.84	6,672.46	596.48	451.80	144.68	4.123		
16,879.55	10,036.00	16,336.96	9,452.22	183.44	187.35	10.91	-1,169.50	6,760.68	595.60	449.24	146.36	4.069		
16,900.00	10,036.00	16,357.41	9,452.57	183.96	187.87	10.95	-1,169.68	6,781.12	595.32	448.48	146.84	4.054		
16,977.49	10,036.00	16,426.87	9,453.43	185.96	189.65	11.08	-1,170.11	6,850.58	594.65	445.98	148.67	4.000		
17,000.00	10,036.00	16,446.15	9,453.41	186.53	190.14	11.10	-1,170.11	6,869.86	594.72	445.55	149.16	3.987		
17,022.80	10,036.00	16,465.68	9,453.28	187.12	190.64	11.11	-1,170.06	6,889.39	594.90	445.27	149.64	3.976		
17,100.00	10,036.00	16,542.09	9,452.35	189.11	192.60	11.12	-1,169.53	6,965.79	595.87	444.90	150.97	3.947		
17,180.50	10,036.00	16,645.77	9,452.48	191.18	195.25	11.05	-1,167.75	7,069.44	595.78	444.09	151.69	3.928		
17,200.00	10,036.00	16,673.44	9,453.30	191.68	195.95	11.01	-1,166.85	7,097.09	595.12	443.43	151.69	3.923		
17,278.91	10,036.00	16,743.10	9,455.17	193.71	197.74	10.95	-1,165.20	7,166.70	592.81	439.74	153.07	3.873		
17,300.00	10,036.00	16,758.00	9,455.52	194.26	198.12	10.95	-1,164.97	7,181.60	592.33	438.78	153.56	3.857		
17,367.88	10,036.00	16,817.34	9,456.15	196.00	199.64	10.93	-1,164.01	7,240.92	591.59	436.79	154.80	3.822		
17,400.00	10,036.00	16,852.00	9,455.85	196.83	200.52	10.90	-1,163.33	7,275.58	591.83	436.65	155.18	3.814		
17,479.87	10,036.00	16,946.41	9,456.35	198.89	202.94	10.79	-1,161.11	7,369.95	591.34	435.45	155.89	3.793		
17,500.00	10,036.00	16,970.28	9,457.04	199.41	203.55	10.76	-1,160.43	7,393.81	590.70	434.65	156.05	3.785		
17,580.16	10,036.00	17,059.62	9,460.79	201.48	205.83	10.59	-1,157.03	7,482.99	586.95	430.33	156.62	3.748		
17,600.00	10,036.00	17,077.57	9,461.59	201.99	206.29	10.55	-1,156.33	7,500.92	585.98	429.09	156.89	3.735		
17,679.50	10,036.00	17,150.27	9,464.38	204.04	208.15	10.46	-1,154.10	7,573.53	582.68	424.60	158.09	3.686		
17,700.00	10,036.00	17,169.87	9,465.02	204.57	208.65	10.44	-1,153.56	7,593.11	581.96	423.58	158.38	3.674		
17,779.50	10,036.00	17,246.98	9,467.23	206.62	210.63	10.33	-1,151.19	7,670.14	579.43	420.04	159.38	3.635		
17,800.00	10,036.00	17,268.03	9,467.84	207.15	211.17	10.31	-1,150.68	7,691.18	578.79	419.14	159.65	3.625		
17,879.75	10,036.00	17,350.13	9,470.69	209.21	213.29	10.39	-1,150.17	7,773.23	576.12	414.92	161.20	3.574		
17,900.00	10,036.00	17,371.12	9,471.54	209.73	213.83	10.45	-1,150.36	7,794.20	575.38	413.68	161.70	3.558		
17,979.13	10,036.00	17,443.57	9,474.68	211.78	215.70	10.73	-1,151.93	7,866.56	572.52	408.34	164.18	3.487		
18,000.00	10,036.00	17,458.79	9,475.13	212.32	216.10	10.82	-1,152.53	7,881.76	572.10	407.14	164.96	3.468		
18,032.07	10,036.00	17,482.16	9,475.58	213.15	216.70	10.96	-1,153.67	7,905.10	571.85	405.65	166.20	3.441		
18,100.00	10,036.00	17,545.10	9,475.62	214.90	218.34	11.40	-1,157.52	7,967.92	572.71	403.62	169.09	3.387		
18,180.33	10,036.00	17,646.56	9,477.38	216.98	220.99	11.58	-1,157.95	8,069.34	571.47	400.74	170.73	3.347		
18,200.00	10,036.00	17,667.44	9,477.91	217.49	221.54	11.55	-1,157.29	8,090.21	570.90	399.98	170.92	3.340		
18,280.15	10,036.00	17,756.81	9,480.48	219.56	223.84	11.22	-1,152.52	8,179.41	567.98	397.15	170.83	3.325		
18,300.00	10,036.00	17,779.79	9,481.34	220.08	224.43	11.10	-1,150.87	8,202.30	567.01	396.38	170.62	3.323		
18,379.54	10,036.00	17,852.33	9,484.27	222.14	226.30	10.77	-1,146.30	8,274.63	563.08	392.08	171.00	3.293		
18,400.00	10,036.00	17,869.62	9,484.87	222.67	226.75	10.76	-1,145.89	8,291.91	562.34	390.94	171.40	3.281		
18,486.49	10,036.00	17,937.17	9,486.49	224.90	228.52	10.95	-1,146.78	8,359.42	560.72	386.68	174.04	3.222		
18,500.00	10,036.00	17,947.24	9,486.56	225.25	228.79	11.01	-1,147.19	8,369.49	560.76	386.22	174.54	3.213		

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

Legacy Directional Drilling
Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design:	Joe Hollingsworth Fee - Joe Hollingsworth Fee 136H - OH - OH												Offset Site Error:	0.00 usft
Survey Program:	225-MWD+IGRF												Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
18,600.00	10,036.00	18,031.54	9,485.58	227.84	231.00	11.61	-1,152.58	8,453.60	563.28	384.37	178.91	3.148		
18,700.00	10,036.00	18,130.23	9,483.27	230.44	233.56	12.21	-1,158.03	8,552.11	566.93	383.82	183.10	3.096		
18,703.19	10,036.00	18,133.44	9,483.19	230.52	233.64	12.22	-1,158.18	8,555.32	567.04	383.82	183.23	3.095		

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH													Offset Site Error:	0.00 usft	
Survey Program:		225-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	1.00	1.00	0.00	0.01	-78.88	27.57	-140.30	142.98						
100.00	100.00	101.30	101.30	0.50	0.76	-78.81	27.72	-140.16	142.88	141.79	1.09	131.099			
200.00	200.00	201.59	201.59	1.05	1.50	-78.61	28.14	-139.76	142.57	140.33	2.24	63.642			
300.00	300.00	301.21	301.21	1.55	2.02	-78.37	28.67	-139.31	142.23	139.09	3.14	45.300			
400.00	400.00	401.23	401.22	1.98	2.25	-78.29	28.84	-139.15	142.11	138.35	3.76	37.844			
500.00	500.00	501.21	501.20	2.40	2.43	-78.29	28.81	-139.00	141.96	137.61	4.34	32.673			
600.00	600.00	601.31	601.31	2.79	2.71	-78.33	28.68	-138.88	141.81	136.87	4.94	28.697			
700.00	700.00	701.78	701.77	3.18	3.62	-78.44	28.34	-138.56	141.43	135.86	5.57	25.385			
800.00	800.00	802.38	802.37	3.56	4.42	-78.63	27.73	-137.93	140.69	134.48	6.22	22.638			
900.00	900.00	903.13	903.11	3.94	5.08	-78.92	26.81	-136.83	139.45	132.56	6.90	20.221			
1,000.00	1,000.00	1,001.81	1,001.77	4.32	5.51	-79.48	25.23	-135.82	138.14	129.76	8.38	16.488			
1,029.90	1,029.90	1,030.95	1,030.90	4.43	5.65	-79.83	24.39	-135.89	138.06	129.10	8.96	15.409 CC			
1,100.00	1,100.00	1,099.21	1,099.09	4.69	6.58	-81.00	21.67	-136.82	138.53	128.20	10.34	13.401 ES			
1,200.00	1,200.00	1,195.84	1,195.50	5.06	8.76	-83.46	16.07	-140.08	141.11	128.24	12.86	10.969			
1,300.00	1,300.00	1,291.81	1,291.01	5.43	11.12	-86.63	8.60	-145.85	146.44	130.79	15.65	9.356			
1,400.00	1,400.00	1,392.39	1,390.80	5.79	12.61	-90.60	-1.61	-153.01	153.36	135.74	17.62	8.705			
1,500.00	1,500.00	1,493.29	1,490.66	6.16	13.96	-95.32	-14.80	-158.87	159.90	140.38	19.52	8.192			
1,600.00	1,600.00	1,595.58	1,591.72	6.53	15.01	-100.45	-30.06	-162.90	165.91	144.72	21.19	7.828			
1,700.00	1,700.00	1,696.08	1,690.94	6.89	15.99	-105.58	-45.93	-164.69	171.27	148.57	22.70	7.546			
1,800.00	1,800.00	1,791.40	1,785.18	7.25	16.75	-109.69	-59.96	-167.58	178.69	154.88	23.81	7.506			
1,900.00	1,900.00	1,888.44	1,881.25	7.62	17.44	-112.71	-72.45	-173.07	188.66	163.90	24.75	7.621			
2,000.00	2,000.00	1,989.00	1,980.84	7.98	17.95	-115.51	-85.24	-178.63	198.95	173.46	25.49	7.805			
2,100.00	2,099.99	2,088.55	2,079.43	8.30	18.37	-49.97	-98.24	-183.27	208.22	182.15	26.07	7.988			
2,200.00	2,199.91	2,186.78	2,176.76	8.78	18.65	-48.49	-110.37	-188.66	216.44	189.74	26.70	8.108			
2,300.00	2,299.69	2,286.30	2,275.41	9.25	18.94	-47.99	-121.59	-195.27	223.47	196.08	27.38	8.161			
2,400.00	2,399.27	2,387.00	2,375.38	9.71	19.23	-48.50	-131.16	-202.69	228.50	200.37	28.13	8.124			
2,500.00	2,498.57	2,488.56	2,476.33	10.16	19.53	-49.90	-139.18	-210.52	231.39	202.47	28.92	8.001			
2,600.00	2,597.54	2,590.65	2,577.89	10.61	19.83	-51.84	-146.75	-217.53	231.81	202.09	29.72	7.799			
2,700.00	2,696.11	2,688.85	2,675.62	10.95	20.12	-54.14	-154.02	-223.81	230.60	200.17	30.43	7.578			
2,756.61	2,751.87	2,743.72	2,730.18	11.13	20.28	-55.44	-158.46	-227.64	230.36	199.55	30.81	7.476			
2,800.00	2,794.59	2,785.80	2,771.99	11.26	20.41	-56.41	-162.06	-230.75	230.50	199.40	31.10	7.411			
2,900.00	2,893.08	2,885.46	2,870.96	11.59	20.72	-58.63	-170.98	-238.34	231.43	199.62	31.81	7.276			
3,000.00	2,991.56	2,985.85	2,970.67	11.92	21.03	-60.79	-180.06	-245.64	232.39	199.87	32.52	7.147			
3,100.00	3,090.04	3,084.64	3,068.75	12.26	21.34	-62.74	-189.63	-252.62	233.65	200.44	33.22	7.035			
3,200.00	3,188.52	3,183.43	3,166.67	12.61	21.66	-64.31	-200.67	-259.64	235.57	201.66	33.91	6.947			
3,300.00	3,287.00	3,285.33	3,267.65	12.96	21.99	-65.81	-212.42	-266.54	237.42	202.78	34.64	6.853			
3,400.00	3,385.48	3,387.06	3,368.61	13.32	22.33	-67.46	-223.27	-272.70	238.55	203.19	35.37	6.745			
3,500.00	3,483.96	3,487.66	3,468.55	13.69	22.66	-69.20	-233.37	-278.33	239.33	203.25	36.08	6.634			
3,600.00	3,582.44	3,587.72	3,568.00	14.06	22.98	-71.02	-242.96	-283.66	240.00	203.22	36.78	6.526			
3,700.00	3,680.92	3,686.30	3,665.96	14.44	23.31	-72.78	-252.56	-289.14	241.15	203.69	37.46	6.437			
3,800.00	3,779.40	3,785.62	3,764.60	14.82	23.64	-74.44	-262.58	-295.04	242.94	204.79	38.15	6.367			
3,900.00	3,877.88	3,886.38	3,864.66	15.21	23.98	-76.07	-272.93	-300.80	244.71	205.86	38.86	6.298			
4,000.00	3,976.36	3,987.22	3,964.81	15.61	24.32	-77.66	-283.32	-306.13	246.25	206.70	39.55	6.226			
4,100.00	4,074.85	4,088.03	4,065.04	16.02	24.66	-79.39	-293.02	-311.01	247.54	207.31	40.23	6.153			
4,200.00	4,173.33	4,188.32	4,164.83	16.43	25.00	-81.27	-301.94	-315.47	248.70	207.80	40.89	6.082			
4,300.00	4,271.81	4,288.26	4,264.32	16.85	25.34	-83.21	-310.46	-319.74	249.98	208.45	41.53	6.019			
4,400.00	4,370.29	4,388.43	4,364.07	17.27	25.68	-85.22	-318.63	-323.82	251.40	209.25	42.15	5.965			
4,500.00	4,468.77	4,488.65	4,463.92	17.70	26.01	-87.32	-326.36	-327.59	252.88	210.13	42.74	5.916			
4,600.00	4,567.25	4,588.95	4,563.89	18.13	26.35	-89.50	-333.71	-331.01	254.44	211.13	43.31	5.875			
4,700.00	4,665.73	4,689.23	4,663.88	18.57	26.69	-91.72	-340.81	-334.06	256.06	212.20	43.85	5.839			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH													Offset Site Error:	0.00 usft
Survey Program:		225-MWD+IGRF				Rule Assigned:				Offset Well Error:	0.00 usft			
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.00	4,764.21	4,789.19	4,763.58	19.01	27.02	94.03	-347.40	-336.72	257.82	213.46	44.35	5.813		
4,900.00	4,862.69	4,886.00	4,860.20	19.46	27.34	96.42	-352.99	-338.89	259.87	215.06	44.81	5.800		
5,000.00	4,961.17	4,984.27	4,958.36	19.90	27.64	99.10	-357.19	-341.27	263.09	217.89	45.20	5.820		
5,100.00	5,059.65	5,079.48	5,053.49	20.35	27.92	101.96	-359.19	-344.28	268.44	222.92	45.52	5.897		
5,200.00	5,158.13	5,179.69	5,153.65	20.81	28.21	105.08	-360.16	-347.34	274.91	229.08	45.84	5.998		
5,300.00	5,256.61	5,279.73	5,253.66	21.26	28.49	108.17	-360.80	-349.63	281.66	235.53	46.14	6.105		
5,400.00	5,355.10	5,379.52	5,353.44	21.72	28.78	111.18	-361.39	-351.36	288.77	242.34	46.43	6.219		
5,500.00	5,453.58	5,479.13	5,453.04	22.18	29.08	114.06	-362.06	-352.67	296.24	249.51	46.73	6.340		
5,600.00	5,552.06	5,578.17	5,552.07	22.64	29.38	116.83	-362.67	-353.68	304.22	257.19	47.02	6.470		
5,700.00	5,650.54	5,677.04	5,650.94	23.10	29.69	119.49	-363.19	-354.44	312.76	265.43	47.32	6.609		
5,800.00	5,749.02	5,775.70	5,749.59	23.56	30.00	122.01	-363.70	-355.13	321.90	274.26	47.64	6.757		
5,900.00	5,847.50	5,874.08	5,847.97	24.03	30.29	124.38	-364.19	-355.80	331.64	283.66	47.98	6.912		
6,000.00	5,945.98	5,972.05	5,945.94	24.49	30.57	126.65	-364.42	-356.40	342.06	293.72	48.34	7.076		
6,100.00	6,044.46	6,069.93	6,043.81	24.96	30.83	128.81	-364.38	-356.94	353.18	304.44	48.74	7.247		
6,200.00	6,142.94	6,167.78	6,141.66	25.42	31.08	130.84	-364.22	-357.61	364.95	315.77	49.17	7.421		
6,300.00	6,241.42	6,265.88	6,239.75	25.89	31.33	132.73	-363.99	-358.44	377.30	327.66	49.65	7.600		
6,400.00	6,339.90	6,364.15	6,338.02	26.36	31.58	134.50	-363.76	-359.36	390.10	339.95	50.15	7.779		
6,500.00	6,438.38	6,463.29	6,437.15	26.83	31.84	136.16	-363.56	-360.31	403.22	352.54	50.69	7.955		
6,600.00	6,536.86	6,562.84	6,536.70	27.30	32.11	137.75	-363.49	-361.01	416.42	365.17	51.25	8.125		
6,700.00	6,635.35	6,663.02	6,636.88	27.77	32.41	139.25	-363.66	-361.50	429.61	377.82	51.79	8.296		
6,800.00	6,733.83	6,763.50	6,737.35	28.24	32.72	140.66	-364.24	-361.86	442.64	390.31	52.33	8.458		
6,900.00	6,832.31	6,863.61	6,837.46	28.72	33.01	142.00	-365.12	-361.95	455.53	402.65	52.88	8.615		
7,000.00	6,930.79	6,963.70	6,937.55	29.19	33.30	143.31	-366.14	-361.59	468.35	414.91	53.44	8.764		
7,100.00	7,029.27	7,064.50	7,038.34	29.66	33.57	144.58	-367.41	-360.84	481.01	426.96	54.05	8.899		
7,200.00	7,127.75	7,164.64	7,138.46	30.14	33.84	145.80	-369.02	-359.79	493.46	438.78	54.68	9.025		
7,300.00	7,226.23	7,260.53	7,234.34	30.61	34.09	146.94	-370.28	-358.56	506.31	451.02	55.29	9.158		
7,400.00	7,324.71	7,356.20	7,329.99	31.08	34.34	148.07	-370.91	-357.18	519.91	464.01	55.90	9.301		
7,500.00	7,423.19	7,451.63	7,425.41	31.56	34.61	149.17	-370.94	-355.72	534.27	477.78	56.49	9.458		
7,600.00	7,521.67	7,547.11	7,520.87	32.03	34.88	150.23	-370.39	-354.25	549.39	492.31	57.08	9.625		
7,700.00	7,620.15	7,643.55	7,617.31	32.51	35.18	151.22	-369.53	-353.10	565.09	507.45	57.65	9.803		
7,800.00	7,718.63	7,740.34	7,714.09	32.99	35.46	152.12	-368.51	-352.48	581.27	523.03	58.24	9.981		
7,900.00	7,817.11	7,838.24	7,811.98	33.46	35.73	152.92	-367.51	-352.50	597.70	538.83	58.87	10.152		
8,000.00	7,915.60	7,937.42	7,911.16	33.94	36.00	153.62	-366.63	-353.16	614.28	554.73	59.55	10.315		
8,100.00	8,014.08	8,039.43	8,013.16	34.42	36.28	154.30	-366.16	-353.79	630.51	570.22	60.29	10.458		
8,200.00	8,112.56	8,136.39	8,110.13	34.89	36.54	154.92	-366.06	-354.21	646.44	585.46	60.98	10.601		
8,300.00	8,211.04	8,226.94	8,200.67	35.37	36.79	155.46	-365.18	-354.95	663.35	601.75	61.60	10.768		
8,400.00	8,309.52	8,320.22	8,293.92	35.85	37.03	155.97	-363.32	-356.16	681.41	619.15	62.26	10.944		
8,500.00	8,408.00	8,418.69	8,392.36	36.33	37.29	156.46	-361.19	-357.61	699.72	636.73	62.99	11.109		
8,600.00	8,506.48	8,518.72	8,492.35	36.80	37.56	156.94	-359.14	-359.12	717.98	654.25	63.73	11.265		
8,700.00	8,605.02	8,620.79	8,594.41	37.27	37.84	157.47	-357.42	-360.17	735.51	671.01	64.49	11.405		
8,800.00	8,703.94	8,721.97	8,695.57	37.72	38.11	157.97	-356.11	-360.77	750.49	685.25	65.24	11.504		
8,900.00	8,803.20	8,823.11	8,796.70	38.15	38.39	158.35	-355.06	-361.47	762.87	696.88	65.98	11.561		
9,000.00	8,902.74	8,926.17	8,899.75	38.55	38.66	158.70	-354.32	-361.17	772.37	705.67	66.70	11.580		
9,100.00	9,002.50	9,029.68	9,000.67	38.92	39.70	160.65	-356.90	-338.14	774.37	706.50	67.86	11.411		
9,146.90	9,049.34	9,113.70	9,082.34	39.09	40.22	161.60	-357.05	-325.73	774.16	706.04	68.12	11.364		
9,200.00	9,102.41	9,153.45	9,117.96	39.27	40.87	162.93	-356.31	-308.15	774.46	706.12	68.35	11.331		
9,300.00	9,202.39	9,230.00	9,181.94	39.59	42.23	166.06	-353.63	-266.34	776.34	707.77	68.57	11.322		
9,400.00	9,302.39	9,298.28	9,233.32	39.86	42.92	1.36	-350.52	-221.54	782.10	713.69	68.40	11.434		
9,500.00	9,402.39	9,353.82	9,270.99	40.14	43.34	4.33	-347.78	-180.84	794.81	726.82	67.99	11.690		
9,600.00	9,502.36	9,400.65	9,300.01	40.42	43.60	-81.55	-345.24	-144.19	815.43	748.12	67.31	12.114		

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 225-MWD+IGRF													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	9,601.02	9,456.28	9,331.27	40.87	43.79	-76.11	-342.15	-98.28	841.52	774.88	66.64	12.628	
9,800.00	9,695.49	9,526.34	9,366.25	41.28	43.90	-70.35	-339.32	-37.67	869.30	803.14	66.16	13.140	
9,900.00	9,782.90	9,609.00	9,403.56	41.63	43.95	-64.97	-339.89	36.06	893.32	827.36	65.96	13.544	
10,000.00	9,860.58	9,673.15	9,428.80	41.91	44.01	-61.15	-341.56	95.00	914.14	848.85	65.30	14.000	
10,100.00	9,926.19	9,704.00	9,439.13	42.12	44.04	-58.78	-341.76	124.06	933.28	869.44	63.84	14.620	
10,200.00	9,977.73	9,766.34	9,454.86	42.30	44.09	-56.44	-341.86	184.33	948.59	885.00	63.60	14.915	
10,300.00	10,013.62	9,799.00	9,459.90	42.46	44.11	-55.04	-342.00	216.59	960.48	897.55	62.93	15.262	
10,318.46	10,018.45	9,823.28	9,462.41	42.49	44.11	-54.70	-342.07	240.74	961.91	898.61	63.31	15.195	
10,400.00	10,032.79	9,864.88	9,464.81	42.66	44.12	-54.02	-341.90	282.27	967.18	903.63	63.54	15.221	
10,421.77	10,034.84	9,892.00	9,465.09	42.71	44.13	-53.87	-341.60	309.38	968.36	904.37	63.99	15.134	
10,500.00	10,036.00	9,935.16	9,465.30	42.94	44.13	-53.85	-340.46	352.53	969.26	904.80	64.45	15.038	
10,523.31	10,036.00	9,956.56	9,465.84	43.02	44.13	-53.90	-339.50	373.89	969.56	904.77	64.79	14.966	
10,600.00	10,036.00	10,054.64	9,470.96	43.36	44.13	-54.31	-333.90	471.68	970.21	903.68	66.53	14.583	
10,680.46	10,036.00	10,160.31	9,475.90	43.81	44.16	-54.57	-332.08	577.18	968.45	899.83	68.62	14.113	
10,700.00	10,036.00	10,179.44	9,476.13	43.94	44.18	-54.56	-332.52	596.31	967.78	898.81	68.97	14.032	
10,779.97	10,036.00	10,250.57	9,475.33	44.54	44.27	-54.41	-334.86	667.39	965.48	895.18	70.30	13.734	
10,800.00	10,036.00	10,272.08	9,474.69	44.70	44.32	-54.35	-335.74	688.87	965.00	894.29	70.71	13.647	
10,880.66	10,036.00	10,366.12	9,474.83	45.46	44.91	-54.22	-338.58	782.85	962.26	889.49	72.76	13.224	
10,900.00	10,036.00	10,385.55	9,475.33	45.66	45.13	-54.22	-338.96	802.27	961.49	888.28	73.21	13.133	
10,980.67	10,036.00	10,465.42	9,478.40	46.57	46.26	-54.31	-339.84	882.08	958.29	883.09	75.20	12.743	
11,000.00	10,036.00	10,483.95	9,479.38	46.80	46.55	-54.35	-339.82	900.59	957.55	881.86	75.69	12.651	
11,080.15	10,036.00	10,553.66	9,483.77	47.83	47.69	-54.57	-338.97	970.15	954.76	877.13	77.63	12.299	
11,100.00	10,036.00	10,568.19	9,484.42	48.10	47.93	-54.61	-338.79	984.67	954.28	876.25	78.03	12.230	
11,187.86	10,036.00	10,635.56	9,485.02	49.36	49.09	-54.63	-338.41	1,052.02	953.45	873.57	79.88	11.936	
11,200.00	10,036.00	10,646.94	9,484.93	49.54	49.30	-54.62	-338.36	1,063.40	953.45	873.26	80.19	11.890	
11,223.18	10,036.00	10,668.66	9,484.77	49.89	49.68	-54.61	-338.20	1,085.12	953.49	872.68	80.81	11.800	
11,300.00	10,036.00	10,747.00	9,484.85	51.09	51.10	-54.63	-337.00	1,163.45	953.76	870.69	83.07	11.481	
11,379.41	10,036.00	10,836.29	9,487.76	52.40	52.78	-54.82	-334.55	1,252.66	953.37	867.49	85.88	11.101	
11,400.00	10,036.00	10,858.84	9,488.36	52.75	53.22	-54.86	-334.18	1,275.19	953.15	866.56	86.59	11.007	
11,480.38	10,036.00	10,958.15	9,490.28	54.15	55.18	-54.91	-334.18	1,374.47	951.62	861.89	89.73	10.606	
11,500.00	10,036.00	10,984.26	9,491.31	54.49	55.70	-54.95	-334.30	1,400.57	950.93	860.36	90.57	10.499	
11,579.84	10,036.00	11,047.48	9,493.77	55.95	56.98	-55.05	-334.33	1,463.74	948.47	855.74	92.74	10.228	
11,600.00	10,036.00	11,062.84	9,494.18	56.32	57.29	-55.07	-334.22	1,479.09	948.10	854.85	93.26	10.166	
11,678.95	10,036.00	11,129.71	9,495.18	57.81	58.66	-55.12	-333.47	1,545.95	947.47	851.92	95.55	9.916	
11,700.00	10,036.00	11,148.58	9,495.27	58.21	59.05	-55.12	-333.26	1,564.82	947.43	851.24	96.19	9.850	
11,779.00	10,036.00	11,230.00	9,495.30	59.75	60.75	-55.13	-332.35	1,646.24	947.46	848.50	98.96	9.574	
11,800.00	10,036.00	11,253.89	9,495.59	60.16	61.26	-55.14	-332.04	1,670.12	947.36	847.58	99.79	9.494	
11,879.11	10,036.00	11,331.50	9,495.88	61.74	62.93	-55.14	-331.71	1,747.71	946.80	844.31	102.50	9.237	
11,900.00	10,036.00	11,350.97	9,495.25	62.17	63.35	-55.09	-332.04	1,767.17	946.72	843.59	103.13	9.180	
11,980.08	10,036.00	11,454.08	9,492.00	63.81	65.61	-54.80	-334.82	1,870.18	945.79	839.35	106.44	8.885	
12,000.00	10,036.00	11,482.03	9,492.17	64.22	66.23	-54.77	-335.49	1,898.12	945.16	837.77	107.39	8.801	
12,079.80	10,036.00	11,548.57	9,492.24	65.89	67.70	-54.71	-336.73	1,964.65	943.16	833.39	109.77	8.592	
12,100.00	10,036.00	11,571.04	9,492.32	66.31	68.20	-54.69	-337.05	1,987.12	942.72	832.16	110.56	8.527	
12,181.27	10,036.00	11,676.23	9,496.91	68.05	70.56	-54.86	-337.73	2,092.19	939.51	825.00	114.52	8.204	
12,200.00	10,036.00	11,696.33	9,498.13	68.45	71.02	-54.91	-337.90	2,112.25	938.57	823.26	115.30	8.140	
12,281.08	10,036.00	11,773.39	9,502.01	70.20	72.77	-55.02	-339.32	2,189.20	934.33	815.99	118.33	7.896	
12,300.00	10,036.00	11,787.83	9,502.52	70.62	73.10	-55.03	-339.60	2,203.63	933.48	814.58	118.91	7.850	
12,379.96	10,036.00	11,850.35	9,503.63	72.37	74.54	-55.03	-340.61	2,266.13	930.91	809.58	121.34	7.672	
12,400.00	10,036.00	11,869.46	9,503.82	72.82	74.98	-55.03	-340.82	2,285.24	930.45	808.39	122.06	7.623	
12,479.89	10,036.00	11,947.51	9,505.09	74.59	76.78	-55.05	-341.09	2,363.27	928.80	803.73	125.07	7.426	

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 225-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
12,500.00	10,036.00	11,970.78	9,505.40	75.04	77.33	-55.05	-341.27	2,386.54	928.35	802.40	125.95	7.371			
12,580.43	10,036.00	12,059.98	9,505.18	76.86	79.42	-54.92	-343.76	2,475.70	925.93	796.75	129.18	7.168			
12,600.00	10,036.00	12,079.93	9,505.35	77.30	79.90	-54.91	-344.26	2,495.65	925.27	795.34	129.93	7.121			
12,680.53	10,036.00	12,161.39	9,508.12	79.13	81.83	-54.99	-344.91	2,577.05	922.49	789.29	133.20	6.926			
12,700.00	10,036.00	12,180.90	9,509.13	79.58	82.29	-55.04	-344.83	2,596.53	921.81	787.78	134.02	6.878			
12,780.04	10,036.00	12,250.53	9,513.40	81.42	83.95	-55.27	-343.89	2,666.03	919.25	782.14	137.11	6.705			
12,800.00	10,036.00	12,265.54	9,514.23	81.87	84.30	-55.32	-343.54	2,681.01	918.83	781.05	137.78	6.669			
12,873.26	10,036.00	12,321.83	9,516.78	83.57	85.64	-55.49	-341.75	2,737.21	918.22	777.91	140.30	6.545			
12,900.00	10,036.00	12,345.04	9,517.49	84.19	86.19	-55.55	-340.96	2,760.40	918.28	776.97	141.31	6.498			
12,922.73	10,036.00	12,364.78	9,517.88	84.72	86.66	-55.58	-340.35	2,780.12	918.41	776.26	142.15	6.461			
13,000.00	10,036.00	12,439.07	9,518.02	86.53	88.43	-55.63	-338.43	2,854.39	919.31	774.12	145.19	6.332			
13,023.25	10,036.00	12,465.31	9,518.07	87.08	89.06	-55.64	-337.83	2,880.62	919.52	773.26	146.26	6.287			
13,100.00	10,036.00	12,547.31	9,518.73	88.88	91.03	-55.70	-336.18	2,962.60	919.79	770.16	149.63	6.147			
13,179.07	10,036.00	12,631.58	9,519.00	90.76	93.06	-55.73	-335.11	3,046.86	919.80	766.74	153.06	6.009			
13,200.00	10,036.00	12,655.40	9,519.06	91.25	93.63	-55.72	-334.98	3,070.68	919.69	765.68	154.01	5.972			
13,279.27	10,036.00	12,734.86	9,519.71	93.14	95.56	-55.74	-334.64	3,150.13	918.93	761.66	157.27	5.843			
13,300.00	10,036.00	12,753.62	9,520.19	93.64	96.02	-55.77	-334.26	3,168.89	918.81	760.72	158.09	5.812			
13,379.36	10,036.00	12,836.51	9,524.23	95.54	98.04	-56.06	-331.10	3,251.61	918.47	756.55	161.93	5.672			
13,400.00	10,036.00	12,860.38	9,526.04	96.03	98.62	-56.19	-329.94	3,275.38	918.26	755.16	163.09	5.630			
13,479.79	10,036.00	12,943.25	9,532.97	97.95	100.64	-56.66	-325.94	3,357.86	917.08	749.82	167.26	5.483			
13,500.00	10,036.00	12,963.63	9,534.38	98.44	101.14	-56.75	-325.17	3,378.18	916.77	748.52	168.25	5.449			
13,579.69	10,036.00	13,043.25	9,538.52	100.37	103.09	-57.01	-323.10	3,457.66	915.56	743.55	172.00	5.323			
13,600.00	10,036.00	13,063.54	9,539.20	100.86	103.59	-57.05	-322.81	3,477.94	915.25	742.33	172.92	5.293			
13,679.29	10,036.00	13,136.74	9,540.58	102.78	105.40	-57.11	-322.21	3,551.13	914.30	738.17	176.13	5.191			
13,700.00	10,036.00	13,155.75	9,540.67	103.29	105.87	-57.12	-322.12	3,570.13	914.14	737.20	176.94	5.166			
13,779.60	10,036.00	13,242.68	9,541.76	105.23	108.01	-57.16	-321.53	3,657.05	913.37	732.72	180.65	5.056			
13,800.00	10,036.00	13,264.24	9,542.43	105.73	108.55	-57.20	-321.27	3,678.60	913.05	731.43	181.62	5.027			
13,879.28	10,036.00	13,336.55	9,545.11	107.67	110.34	-57.36	-319.84	3,750.85	912.10	727.09	185.00	4.930			
13,900.00	10,036.00	13,354.00	9,545.82	108.17	110.77	-57.41	-319.35	3,768.27	911.95	726.10	185.84	4.907			
13,961.51	10,036.00	13,411.44	9,548.72	109.69	112.20	-57.62	-317.13	3,825.60	911.76	723.08	188.68	4.832			
14,000.00	10,036.00	13,448.00	9,551.07	110.63	113.10	-57.80	-315.18	3,862.03	911.84	721.28	190.56	4.785			
14,080.33	10,036.00	13,555.61	9,557.20	112.61	115.81	-58.19	-312.05	3,969.40	910.64	714.91	195.73	4.652			
14,100.00	10,036.00	13,573.11	9,557.93	113.10	116.24	-58.23	-311.96	3,986.88	910.12	713.55	196.57	4.630			
14,179.79	10,036.00	13,645.29	9,560.09	115.07	118.06	-58.33	-311.59	4,059.03	908.50	708.56	199.94	4.544			
14,200.00	10,036.00	13,666.72	9,560.39	115.57	118.60	-58.34	-311.62	4,080.45	908.15	707.28	200.87	4.521			
14,279.80	10,036.00	13,747.45	9,559.65	117.54	120.63	-58.22	-313.16	4,161.16	906.54	702.41	204.13	4.441			
14,300.00	10,036.00	13,764.63	9,559.49	118.05	121.06	-58.20	-313.43	4,178.34	906.19	701.34	204.85	4.424			
14,379.04	10,036.00	13,832.32	9,560.42	120.01	122.78	-58.24	-312.89	4,246.01	905.45	697.53	207.93	4.355			
14,400.00	10,036.00	13,851.80	9,560.80	120.53	123.27	-58.27	-312.51	4,265.49	905.40	696.57	208.83	4.336			
14,423.17	10,036.00	13,873.35	9,560.93	121.11	123.82	-58.28	-312.23	4,287.03	905.39	695.60	209.79	4.316			
14,500.00	10,036.00	13,949.89	9,559.25	123.02	125.75	-58.16	-312.27	4,363.55	905.56	692.69	212.88	4.254			
14,579.70	10,036.00	14,044.39	9,557.95	125.01	128.13	-58.04	-312.78	4,458.03	905.10	688.44	216.66	4.178			
14,600.00	10,036.00	14,071.38	9,558.20	125.52	128.81	-58.04	-312.96	4,485.02	904.71	686.93	217.77	4.154			
14,680.86	10,036.00	14,164.73	9,560.67	127.54	131.17	-58.10	-314.03	4,578.34	902.05	680.20	221.85	4.066			
14,700.00	10,036.00	14,184.96	9,561.09	128.02	131.68	-58.10	-314.45	4,598.55	901.33	678.61	222.72	4.047			
14,781.03	10,036.00	14,269.41	9,563.34	130.05	133.82	-58.14	-316.19	4,682.95	898.06	671.63	226.43	3.966			
14,800.00	10,036.00	14,289.09	9,564.26	130.53	134.32	-58.17	-316.40	4,702.61	897.26	669.90	227.36	3.946			
14,881.04	10,036.00	14,368.22	9,569.60	132.56	136.32	-58.44	-316.19	4,781.55	893.84	662.42	231.42	3.862			
14,900.00	10,036.00	14,386.54	9,571.23	133.04	136.79	-58.54	-315.87	4,799.79	893.08	660.64	232.44	3.842			
14,980.52	10,036.00	14,458.15	9,577.70	135.06	138.59	-58.93	-314.14	4,871.09	890.25	653.73	236.52	3.764			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH														Offset Site Error:	0.00 usft
Survey Program: 225-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
15,000.00	10,036.00	14,475.36	9,579.11	135.55	139.03	-59.01	-313.68	4,888.24	889.70	652.21	237.49	3.746			
15,079.68	10,036.00	14,543.81	9,583.30	137.56	140.76	-59.27	-312.13	4,956.53	888.04	646.86	241.18	3.682			
15,100.00	10,036.00	14,561.21	9,583.82	138.07	141.20	-59.30	-311.90	4,973.93	887.78	645.74	242.04	3.668			
15,152.50	10,036.00	14,604.04	9,584.27	139.40	142.29	-59.33	-311.50	5,016.75	887.45	643.42	244.04	3.637			
15,200.00	10,036.00	14,641.25	9,584.23	140.60	143.23	-59.33	-310.90	5,053.96	887.72	642.00	245.72	3.613			
15,221.81	10,036.00	14,658.33	9,584.10	141.15	143.67	-59.33	-310.52	5,071.03	888.03	641.55	246.48	3.603			
15,300.00	10,036.00	14,725.46	9,583.35	143.13	145.37	-59.34	-308.39	5,138.13	889.90	640.44	249.45	3.567			
15,321.48	10,036.00	14,744.56	9,583.23	143.67	145.86	-59.35	-307.59	5,157.21	890.55	640.23	250.32	3.558			
15,400.00	10,036.00	14,823.65	9,582.97	145.66	147.86	-59.43	-303.85	5,236.21	893.18	639.15	254.03	3.516			
15,422.26	10,036.00	14,847.70	9,582.84	146.22	148.47	-59.45	-302.83	5,260.23	893.85	638.71	255.14	3.503			
15,500.00	10,036.00	14,937.08	9,583.63	148.19	150.74	-59.59	-299.05	5,349.53	895.66	636.20	259.46	3.452			
15,580.24	10,036.00	15,057.89	9,586.25	150.23	153.83	-59.76	-296.83	5,470.24	895.43	630.40	265.03	3.379			
15,600.00	10,036.00	15,080.28	9,586.10	150.73	154.41	-59.72	-297.47	5,492.61	894.84	628.92	265.92	3.365			
15,681.10	10,036.00	15,171.25	9,584.88	152.79	156.76	-59.50	-301.38	5,583.49	891.63	622.32	269.32	3.311			
15,700.00	10,036.00	15,189.66	9,584.71	153.27	157.23	-59.46	-302.20	5,601.88	890.83	620.78	270.04	3.299			
15,780.78	10,036.00	15,265.58	9,584.85	155.33	159.18	-59.35	-304.94	5,677.75	887.53	614.28	273.25	3.248			
15,800.00	10,036.00	15,282.23	9,584.92	155.82	159.60	-59.33	-305.42	5,694.39	886.84	612.86	273.98	3.237			
15,880.24	10,036.00	15,355.32	9,584.95	157.86	161.48	-59.25	-307.06	5,767.46	884.55	607.41	277.14	3.192			
15,900.00	10,036.00	15,376.89	9,584.97	158.37	162.03	-59.23	-307.51	5,789.03	884.01	605.98	278.03	3.180			
15,980.73	10,036.00	15,463.65	9,585.74	160.42	164.25	-59.18	-309.39	5,875.77	881.42	599.71	281.71	3.129			
16,000.00	10,036.00	15,483.82	9,586.40	160.92	164.77	-59.21	-309.62	5,895.92	880.73	598.08	282.66	3.116			
16,080.66	10,036.00	15,561.20	9,590.65	162.97	166.75	-59.42	-309.57	5,973.18	877.81	591.09	286.72	3.062			
16,100.00	10,036.00	15,577.94	9,591.41	163.47	167.18	-59.46	-309.55	5,989.90	877.21	589.61	287.60	3.050			
16,180.16	10,036.00	15,653.37	9,593.62	165.52	169.12	-59.55	-309.60	6,065.30	875.24	583.95	291.29	3.005			
16,200.00	10,036.00	15,674.57	9,594.52	166.02	169.66	-59.60	-309.46	6,086.48	874.75	582.39	292.36	2.992			
16,282.42	10,036.00	15,791.50	9,602.41	168.13	172.67	-60.02	-309.03	6,203.14	871.67	573.53	298.14	2.924			
16,300.00	10,036.00	15,821.92	9,604.58	168.58	173.45	-60.11	-310.00	6,233.46	870.40	571.00	299.40	2.907			
16,382.12	10,036.00	15,887.50	9,608.12	170.68	175.15	-60.21	-312.31	6,298.90	864.88	561.82	303.07	2.854			
16,400.00	10,036.00	15,907.00	9,608.85	171.14	175.65	-60.22	-313.02	6,318.37	863.83	559.89	303.94	2.842			
16,480.08	10,036.00	15,954.46	9,609.67	173.19	176.87	-60.21	-314.30	6,365.81	860.45	553.82	306.63	2.806			
16,500.00	10,036.00	15,967.03	9,609.64	173.70	177.20	-60.20	-314.49	6,378.38	860.03	552.80	307.24	2.799			
16,549.13	10,036.00	16,002.00	9,609.01	174.96	178.10	-60.15	-314.68	6,413.34	859.76	551.01	308.75	2.785			
16,600.00	10,036.00	16,039.36	9,608.12	176.26	179.06	-60.09	-314.31	6,450.69	860.29	549.99	310.30	2.772			
16,621.67	10,036.00	16,057.53	9,607.84	176.82	179.53	-60.08	-313.91	6,468.85	860.68	549.59	311.09	2.767			
16,700.00	10,036.00	16,126.57	9,607.56	178.83	181.31	-60.13	-311.24	6,537.83	862.74	548.44	314.30	2.745			
16,721.34	10,036.00	16,146.87	9,607.52	179.38	181.83	-60.15	-310.32	6,558.11	863.41	548.14	315.27	2.739			
16,800.00	10,036.00	16,221.46	9,607.21	181.40	183.74	-60.23	-306.81	6,632.62	866.08	547.26	318.82	2.716			
16,821.30	10,036.00	16,241.55	9,607.15	181.94	184.26	-60.25	-305.78	6,652.68	866.87	547.08	319.79	2.711			
16,900.00	10,036.00	16,327.01	9,607.30	183.96	186.45	-60.38	-301.11	6,738.01	869.86	545.76	324.10	2.684			
16,923.14	10,036.00	16,358.00	9,607.79	184.56	187.24	-60.45	-299.60	6,768.96	870.45	544.71	325.74	2.672			
17,000.00	10,036.00	16,451.25	9,609.96	186.53	189.64	-60.65	-296.29	6,862.12	871.24	540.68	330.56	2.636			
17,054.18	10,036.00	16,507.35	9,610.80	187.93	191.08	-60.71	-295.27	6,918.21	871.20	537.91	333.29	2.614			
17,100.00	10,036.00	16,550.49	9,611.44	189.11	192.19	-60.76	-294.39	6,961.34	871.27	535.85	335.42	2.598			
17,123.20	10,036.00	16,572.36	9,611.78	189.70	192.76	-60.79	-293.88	6,983.19	871.36	534.86	336.51	2.589			
17,200.00	10,036.00	16,651.49	9,613.66	191.68	194.79	-60.94	-291.71	7,062.28	871.62	531.06	340.56	2.559			
17,280.22	10,036.00	16,752.01	9,618.08	193.75	197.38	-61.24	-289.16	7,162.66	871.00	525.10	345.90	2.518			
17,300.00	10,036.00	16,779.01	9,619.60	194.26	198.08	-61.33	-288.82	7,189.62	870.50	523.20	347.31	2.506			
17,382.21	10,036.00	16,886.60	9,622.72	196.37	200.87	-61.39	-291.70	7,297.10	866.63	514.73	351.90	2.463			
17,400.00	10,036.00	16,906.42	9,622.73	196.83	201.39	-61.35	-292.84	7,316.88	865.56	512.94	352.63	2.455			
17,481.47	10,036.00	16,975.94	9,621.41	198.93	203.20	-61.09	-297.68	7,386.22	860.67	505.32	355.35	2.422			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 201H - OH - OH														Offset Site Error: 0.00 usft	
Survey Program: 225-MWD+IGRF		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:				Offset Well Error: 0.00 usft			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
17,500.00	10,036.00	16,987.33	9,621.07	199.41	203.50	-61.05	-298.30	7,397.59	859.88	503.99	355.89	2.416			
17,591.09	10,036.00	17,045.00	9,619.03	201.76	205.00	-60.85	-300.03	7,455.19	858.18	499.88	358.31	2.395			
17,600.00	10,036.00	17,051.73	9,618.79	201.99	205.18	-60.84	-300.07	7,461.91	858.21	499.64	358.56	2.393			
17,679.10	10,036.00	17,134.52	9,620.17	204.03	207.35	-60.94	-298.41	7,544.64	858.24	495.55	362.68	2.366			
17,700.00	10,036.00	17,158.58	9,621.83	204.57	207.97	-61.07	-297.33	7,568.61	858.17	494.02	364.16	2.357			
17,780.11	10,036.00	17,251.64	9,625.74	206.64	210.39	-61.32	-295.70	7,661.57	857.03	487.93	369.10	2.322			
17,800.00	10,036.00	17,271.70	9,626.30	207.15	210.91	-61.34	-295.66	7,681.62	856.63	486.52	370.11	2.315			
17,880.18	10,036.00	17,353.33	9,628.72	209.22	213.03	-61.47	-295.44	7,763.21	854.95	480.70	374.24	2.284			
17,900.00	10,036.00	17,374.04	9,629.26	209.73	213.56	-61.49	-295.47	7,783.91	854.50	479.23	375.26	2.277			
17,980.49	10,036.00	17,459.07	9,630.35	211.81	215.77	-61.49	-296.47	7,868.92	852.44	473.30	379.14	2.248			
18,000.00	10,036.00	17,480.00	9,629.93	212.32	216.31	-61.44	-297.18	7,889.84	851.87	471.96	379.90	2.242			
18,080.25	10,036.00	17,556.97	9,626.22	214.39	218.31	-61.07	-301.12	7,966.61	849.41	467.12	382.29	2.222			
18,100.00	10,036.00	17,573.96	9,625.54	214.90	218.75	-61.00	-301.79	7,983.57	848.92	466.04	382.88	2.217			
18,179.36	10,036.00	17,642.86	9,623.90	216.96	220.55	-60.83	-303.30	8,052.43	847.61	462.02	385.59	2.198			
18,200.00	10,036.00	17,660.95	9,623.34	217.49	221.02	-60.78	-303.60	8,070.51	847.43	461.15	386.27	2.194			
18,248.84	10,036.00	17,703.71	9,621.51	218.75	222.13	-60.63	-304.38	8,113.23	847.24	459.48	387.76	2.185			
18,300.00	10,036.00	17,743.76	9,619.52	220.08	223.17	-60.49	-304.82	8,153.23	847.54	458.44	389.10	2.178			
18,321.38	10,036.00	17,760.20	9,618.83	220.63	223.59	-60.44	-304.74	8,169.65	847.88	458.20	389.68	2.176			
18,400.00	10,036.00	17,824.66	9,616.98	222.67	225.26	-60.37	-302.96	8,234.05	850.15	457.90	392.25	2.167			
18,421.12	10,036.00	17,844.80	9,616.78	223.21	225.79	-60.38	-302.03	8,254.17	850.91	457.71	393.20	2.164			
18,500.00	10,036.00	17,921.40	9,617.90	225.25	227.77	-60.58	-297.21	8,330.61	853.95	456.58	397.37	2.149			
18,521.16	10,036.00	17,942.96	9,618.54	225.80	228.32	-60.66	-295.67	8,352.10	854.77	456.13	398.64	2.144			
18,600.00	10,036.00	18,020.45	9,621.30	227.84	230.31	-60.99	-289.91	8,429.33	857.82	454.52	403.30	2.127			
18,620.58	10,036.00	18,039.47	9,622.00	228.38	230.80	-61.07	-288.43	8,448.27	858.67	454.24	404.43	2.123			
18,700.00	10,036.00	18,112.32	9,624.43	230.44	232.67	-61.38	-282.53	8,520.85	862.32	453.59	408.73	2.110			
18,700.45	10,036.00	18,112.73	9,624.44	230.45	232.68	-61.38	-282.50	8,521.26	862.34	453.59	408.76	2.110			
18,703.19	10,036.00	18,115.21	9,624.51	230.52	232.75	-61.39	-282.29	8,523.73	862.48	453.58	408.90	2.109 SF			

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 221H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IGRF														Offset Well Error:	0.00 usft
Reference	Offset	Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Rule Assigned:				Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Tooface (")	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	30.00						
100.00	100.00	100.00	100.00	0.50	0.50	0.00	30.00	0.00	30.00	29.20	0.80	37.483			
200.00	200.00	200.00	200.00	1.05	1.05	0.00	30.00	0.00	30.00	28.28	1.72	17.459			
300.00	300.00	300.00	300.00	1.55	1.55	0.00	30.00	0.00	30.00	27.42	2.58	11.611			
400.00	400.00	400.00	400.00	1.98	1.98	0.00	30.00	0.00	30.00	26.62	3.38	8.875			
500.00	500.00	500.00	500.00	2.40	2.40	0.00	30.00	0.00	30.00	25.85	4.15	7.233			
600.00	600.00	600.00	600.00	2.79	2.79	0.00	30.00	0.00	30.00	25.10	4.90	6.122			
700.00	700.00	700.00	700.00	3.18	3.18	0.00	30.00	0.00	30.00	24.36	5.64	5.316			
800.00	800.00	800.00	800.00	3.56	3.56	0.00	30.00	0.00	30.00	23.62	6.38	4.702			
900.00	900.00	900.00	900.00	3.94	3.94	0.00	30.00	0.00	30.00	22.89	7.11	4.217			
1,000.00	1,000.00	1,000.00	1,000.00	4.32	4.32	0.00	30.00	0.00	30.00	22.16	7.84	3.825			
1,100.00	1,100.00	1,100.00	1,100.00	4.69	4.69	0.00	30.00	0.00	30.00	21.43	8.57	3.500			
1,200.00	1,200.00	1,200.00	1,200.00	5.06	5.06	0.00	30.00	0.00	30.00	20.70	9.30	3.227			
1,300.00	1,300.00	1,300.00	1,300.00	5.43	5.43	0.00	30.00	0.00	30.00	19.98	10.02	2.993			
1,400.00	1,400.00	1,400.00	1,400.00	5.79	5.79	0.00	30.00	0.00	30.00	19.25	10.75	2.792			
1,500.00	1,500.00	1,500.00	1,500.00	6.16	6.16	0.00	30.00	0.00	30.00	18.53	11.47	2.616 CC			
1,600.00	1,600.00	1,599.71	1,599.70	6.53	6.47	-2.30	30.45	-1.22	30.47	18.32	12.15	2.508 ES, SF			
1,700.00	1,700.00	1,699.28	1,699.19	6.89	6.78	-8.74	31.78	-4.88	32.16	19.37	12.80	2.513			
1,800.00	1,800.00	1,798.59	1,798.28	7.25	7.09	-17.87	33.99	-10.96	35.75	22.30	13.45	2.658			
1,900.00	1,900.00	1,897.49	1,896.77	7.62	7.47	-27.65	37.07	-19.42	41.97	27.79	14.18	2.960			
2,000.00	2,000.00	1,995.86	1,994.46	7.98	7.98	-36.38	40.99	-30.20	51.22	36.25	14.97	3.421			
2,100.00	2,099.99	2,094.43	2,092.10	8.30	8.31	125.56	45.62	-42.92	63.88	48.25	15.63	4.087			
2,200.00	2,199.91	2,193.30	2,190.01	8.78	8.64	123.00	50.33	-55.85	78.56	62.25	16.31	4.817			
2,300.00	2,299.69	2,291.98	2,287.74	9.25	8.99	122.54	55.03	-68.76	94.70	77.70	17.00	5.571			
2,400.00	2,399.27	2,390.42	2,385.21	9.71	9.35	123.28	59.71	-81.63	112.24	94.54	17.70	6.340			
2,500.00	2,498.57	2,488.53	2,482.36	10.16	9.72	124.70	64.38	-94.46	131.27	112.84	18.43	7.124			
2,600.00	2,597.54	2,586.25	2,579.13	10.61	10.09	126.50	69.03	-107.24	151.89	132.72	19.17	7.924			
2,700.00	2,696.11	2,683.54	2,675.48	10.95	10.47	128.54	73.66	-119.97	174.15	154.24	19.92	8.744			
2,800.00	2,794.59	2,780.73	2,771.72	11.26	10.85	130.38	78.29	-132.68	196.98	176.32	20.66	9.533			
2,900.00	2,893.08	2,877.91	2,867.96	11.59	11.24	131.85	82.92	-145.39	219.96	198.55	21.41	10.273			
3,000.00	2,991.56	2,975.10	2,964.20	11.92	11.63	133.03	87.54	-158.10	243.05	220.89	22.16	10.967			
3,100.00	3,090.04	3,072.28	3,060.44	12.26	12.03	134.01	92.17	-170.81	266.22	243.31	22.91	11.618			
3,200.00	3,188.52	3,169.47	3,156.68	12.61	12.42	134.84	96.79	-183.52	289.45	265.79	23.67	12.230			
3,300.00	3,287.00	3,266.66	3,252.92	12.96	12.82	135.54	101.42	-196.23	312.74	288.31	24.42	12.804			
3,400.00	3,385.48	3,363.84	3,349.16	13.32	13.23	136.14	106.05	-208.94	336.06	310.87	25.18	13.344			
3,500.00	3,483.96	3,461.03	3,445.40	13.69	13.63	136.67	110.67	-221.65	359.41	333.46	25.94	13.853			
3,600.00	3,582.44	3,558.22	3,541.64	14.06	14.03	137.13	115.30	-234.36	382.78	356.07	26.71	14.333			
3,700.00	3,680.92	3,655.40	3,637.88	14.44	14.44	137.54	119.92	-247.07	406.18	378.70	27.47	14.784			
3,800.00	3,779.40	3,752.59	3,734.12	14.82	14.85	137.90	124.55	-259.78	429.59	401.35	28.24	15.211			
3,900.00	3,877.88	3,849.77	3,830.36	15.21	15.26	138.23	129.18	-272.49	453.02	424.01	29.01	15.615			
4,000.00	3,976.36	3,946.96	3,926.60	15.61	15.67	138.52	133.80	-285.20	476.46	446.68	29.78	15.998			
4,100.00	4,074.85	4,044.15	4,022.84	16.02	16.08	138.79	138.43	-297.91	499.91	469.36	30.56	16.361			
4,200.00	4,173.33	4,141.33	4,119.09	16.43	16.49	139.03	143.05	-310.62	523.38	492.05	31.33	16.707			
4,300.00	4,271.81	4,245.07	4,221.88	16.85	16.92	139.30	147.82	-323.72	546.51	514.36	32.16	16.996			
4,400.00	4,370.29	4,354.51	4,330.67	17.27	17.37	139.76	151.90	-334.92	567.80	534.74	33.06	17.177			
4,500.00	4,468.77	4,464.70	4,440.50	17.70	17.81	140.40	154.93	-343.23	587.05	553.09	33.97	17.283			
4,600.00	4,567.25	4,575.48	4,551.13	18.13	18.24	141.20	156.88	-348.59	604.31	569.45	34.86	17.337			
4,700.00	4,665.73	4,686.65	4,662.26	18.57	18.65	142.17	157.73	-350.93	619.61	583.90	35.71	17.352			
4,800.00	4,764.21	4,788.60	4,764.21	19.01	18.98	143.16	157.77	-351.04	633.57	597.13	36.44	17.386			
4,900.00	4,862.69	4,887.08	4,862.69	19.46	19.30	144.07	157.77	-351.04	647.63	610.48	37.15	17.434			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 221H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,961.17	4,985.56	4,961.17	19.90	19.62	144.95	157.77	-351.04	661.84	623.99	37.85	17.484			
5,100.00	5,059.65	5,084.04	5,059.65	20.35	19.94	145.79	157.77	-351.04	676.20	637.64	38.56	17.536			
5,200.00	5,158.13	5,182.52	5,158.13	20.81	20.26	146.60	157.77	-351.04	690.70	651.43	39.27	17.590			
5,300.00	5,256.61	5,281.00	5,256.61	21.26	20.59	147.37	157.77	-351.04	705.32	665.35	39.97	17.645			
5,400.00	5,355.10	5,379.48	5,355.10	21.72	20.91	148.11	157.77	-351.04	720.07	679.39	40.68	17.701			
5,500.00	5,453.58	5,477.96	5,453.58	22.18	21.24	148.83	157.77	-351.04	734.94	693.55	41.38	17.759			
5,600.00	5,552.06	5,576.44	5,552.06	22.64	21.57	149.51	157.77	-351.04	749.91	707.82	42.09	17.817			
5,700.00	5,650.54	5,674.92	5,650.54	23.10	21.90	150.17	157.77	-351.04	764.98	722.18	42.79	17.875			
5,800.00	5,749.02	5,773.40	5,749.02	23.56	22.23	150.80	157.77	-351.04	780.14	736.64	43.50	17.934			
5,900.00	5,847.50	5,871.89	5,847.50	24.03	22.56	151.41	157.77	-351.04	795.40	751.20	44.21	17.993			
6,000.00	5,945.98	5,970.37	5,945.98	24.49	22.89	151.99	157.77	-351.04	810.74	765.83	44.91	18.052			
6,100.00	6,044.46	6,068.85	6,044.46	24.96	23.22	152.56	157.77	-351.04	826.17	780.55	45.62	18.111			
6,200.00	6,142.94	6,167.33	6,142.94	25.42	23.55	153.10	157.77	-351.04	841.66	795.34	46.32	18.169			
6,300.00	6,241.42	6,265.81	6,241.42	25.89	23.89	153.62	157.77	-351.04	857.23	810.20	47.03	18.228			
6,400.00	6,339.90	6,364.29	6,339.90	26.36	24.22	154.13	157.77	-351.04	872.87	825.13	47.74	18.285			
6,500.00	6,438.38	6,462.77	6,438.38	26.83	24.55	154.62	157.77	-351.04	888.57	840.13	48.44	18.343			
6,600.00	6,536.86	6,561.25	6,536.86	27.30	24.89	155.09	157.77	-351.04	904.33	855.18	49.15	18.400			
6,700.00	6,635.35	6,659.73	6,635.35	27.77	25.23	155.54	157.77	-351.04	920.15	870.29	49.86	18.456			
6,800.00	6,733.83	6,758.21	6,733.83	28.24	25.56	155.98	157.77	-351.04	936.03	885.46	50.56	18.512			
6,900.00	6,832.31	6,856.69	6,832.31	28.72	25.90	156.40	157.77	-351.04	951.95	900.68	51.27	18.567			
7,000.00	6,930.79	6,955.17	6,930.79	29.19	26.24	156.81	157.77	-351.04	967.93	915.95	51.98	18.621			
7,100.00	7,029.27	7,053.65	7,029.27	29.66	26.58	157.21	157.77	-351.04	983.95	931.26	52.69	18.675			
7,200.00	7,127.75	7,152.14	7,127.75	30.14	26.91	157.60	157.77	-351.04	1,000.02	946.62	53.40	18.728			
7,300.00	7,226.23	7,250.62	7,226.23	30.61	27.25	157.97	157.77	-351.04	1,016.13	962.02	54.11	18.781			
7,400.00	7,324.71	7,349.10	7,324.71	31.08	27.59	158.33	157.77	-351.04	1,032.28	977.47	54.81	18.832			
7,500.00	7,423.19	7,447.58	7,423.19	31.56	27.93	158.68	157.77	-351.04	1,048.47	992.95	55.52	18.883			
7,600.00	7,521.67	7,546.06	7,521.67	32.03	28.27	159.02	157.77	-351.04	1,064.70	1,008.46	56.23	18.933			
7,700.00	7,620.15	7,644.54	7,620.15	32.51	28.61	159.35	157.77	-351.04	1,080.96	1,024.01	56.94	18.983			
7,800.00	7,718.63	7,743.02	7,718.63	32.99	28.95	159.67	157.77	-351.04	1,097.26	1,039.60	57.65	19.032			
7,900.00	7,817.11	7,841.50	7,817.11	33.46	29.30	159.98	157.77	-351.04	1,113.58	1,055.22	58.37	19.080			
8,000.00	7,915.60	7,939.98	7,915.60	33.94	29.64	160.28	157.77	-351.04	1,129.94	1,070.87	59.08	19.127			
8,100.00	8,014.08	8,038.46	8,014.08	34.42	29.98	160.57	157.77	-351.04	1,146.33	1,086.54	59.79	19.173			
8,200.00	8,112.56	8,136.94	8,112.56	34.89	30.32	160.85	157.77	-351.04	1,162.75	1,102.25	60.50	19.219			
8,300.00	8,211.04	8,235.42	8,211.04	35.37	30.67	161.13	157.77	-351.04	1,179.19	1,117.98	61.21	19.264			
8,400.00	8,309.52	8,333.90	8,309.52	35.85	31.01	161.40	157.77	-351.04	1,195.66	1,133.74	61.92	19.308			
8,500.00	8,408.00	8,432.39	8,408.00	36.33	31.35	161.66	157.77	-351.04	1,212.16	1,149.52	62.64	19.352			
8,600.00	8,506.48	8,530.87	8,506.48	36.80	31.70	161.91	157.77	-351.04	1,228.68	1,165.33	63.35	19.395			
8,700.00	8,605.02	8,629.41	8,605.02	37.27	32.04	162.20	157.77	-351.04	1,244.87	1,180.81	64.06	19.432			
8,800.00	8,703.94	8,728.32	8,703.94	37.72	32.39	162.47	157.77	-351.04	1,258.89	1,194.10	64.79	19.431			
8,900.00	8,803.20	8,827.58	8,803.20	38.15	32.73	162.68	157.77	-351.04	1,270.44	1,204.91	65.53	19.388			
9,000.00	8,902.74	8,927.13	8,902.74	38.55	33.08	162.85	157.77	-351.04	1,279.51	1,213.25	66.26	19.310			
9,100.00	9,002.50	9,026.89	9,002.50	38.92	33.43	162.97	157.77	-351.04	1,286.10	1,219.11	66.99	19.199			
9,200.00	9,102.41	9,126.79	9,102.41	39.27	33.78	163.04	157.77	-351.04	1,290.19	1,222.48	67.71	19.054			
9,300.00	9,202.39	9,226.78	9,202.39	39.59	34.13	163.07	157.77	-351.04	1,291.77	1,223.34	68.43	18.878			
9,400.00	9,302.39	9,326.78	9,302.39	39.86	34.48	-4.93	157.77	-351.04	1,291.79	1,222.70	69.09	18.697			
9,500.00	9,402.39	9,426.78	9,402.39	40.14	34.83	-4.93	157.77	-351.04	1,291.79	1,222.04	69.76	18.519			
9,504.45	9,406.84	9,431.23	9,406.84	40.15	34.85	-94.34	157.77	-351.04	1,291.80	1,222.01	69.79	18.511			
9,600.00	9,502.36	9,529.38	9,504.96	40.42	35.18	-94.33	157.86	-349.51	1,291.86	1,221.44	70.42	18.346			
9,700.00	9,601.02	9,635.90	9,609.86	40.87	35.51	-94.20	158.89	-331.94	1,292.57	1,221.57	71.00	18.204			
9,800.00	9,695.49	9,742.07	9,709.38	41.28	35.82	-93.95	161.02	-295.47	1,294.08	1,222.59	71.49	18.101			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 221H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
9,900.00	9,782.90	9,847.66	9,800.01	41.63	36.12	-93.57	164.17	-241.66	1,296.32	1,224.41	71.91	18.027			
10,000.00	9,860.58	9,952.49	9,878.69	41.91	36.38	-93.09	168.20	-172.74	1,299.26	1,226.93	72.33	17.964			
10,100.00	9,926.19	10,056.40	9,943.00	42.12	36.58	-92.51	172.96	-91.45	1,302.79	1,229.97	72.82	17.890			
10,200.00	9,977.73	10,159.28	9,991.17	42.30	36.76	-91.85	178.27	-0.85	1,306.84	1,233.35	73.48	17.784			
10,300.00	10,013.62	10,261.08	10,022.12	42.46	37.22	-91.14	183.93	95.83	1,311.27	1,236.90	74.37	17.632			
10,400.00	10,032.79	10,361.79	10,035.42	42.66	37.82	-90.41	189.75	195.35	1,315.95	1,240.46	75.50	17.431			
10,500.00	10,036.00	10,500.90	10,036.00	42.94	38.89	-90.00	196.20	334.30	1,319.65	1,242.35	77.30	17.071			
10,600.00	10,036.00	10,625.21	10,036.00	43.36	40.11	-90.00	198.13	458.60	1,320.08	1,240.64	79.44	16.617			
10,700.00	10,036.00	10,725.21	10,036.00	43.94	41.24	-90.00	199.16	558.59	1,320.07	1,238.49	81.58	16.181			
10,800.00	10,036.00	10,825.21	10,036.00	44.70	42.49	-90.00	200.20	658.59	1,320.07	1,236.07	84.00	15.714			
10,900.00	10,036.00	10,925.21	10,036.00	45.66	43.88	-90.00	201.23	758.58	1,320.07	1,233.39	86.68	15.230			
11,000.00	10,036.00	11,025.21	10,036.00	46.80	45.37	-90.00	202.26	858.58	1,320.07	1,230.49	89.58	14.737			
11,100.00	10,036.00	11,125.21	10,036.00	48.10	46.96	-90.00	203.30	958.57	1,320.07	1,227.38	92.69	14.242			
11,200.00	10,036.00	11,225.21	10,036.00	49.54	48.64	-90.00	204.33	1,058.56	1,320.07	1,224.08	95.98	13.753			
11,300.00	10,036.00	11,325.21	10,036.00	51.09	50.40	-90.00	205.37	1,158.56	1,320.07	1,220.62	99.45	13.274			
11,400.00	10,036.00	11,425.21	10,036.00	52.75	52.23	-90.00	206.40	1,258.55	1,320.06	1,217.00	103.07	12.808			
11,500.00	10,036.00	11,525.21	10,036.00	54.49	54.13	-90.00	207.43	1,358.55	1,320.06	1,213.24	106.82	12.358			
11,600.00	10,036.00	11,625.21	10,036.00	56.32	56.09	-90.00	208.47	1,458.54	1,320.06	1,209.36	110.70	11.925			
11,700.00	10,036.00	11,725.21	10,036.00	58.21	58.10	-90.00	209.50	1,558.54	1,320.06	1,205.37	114.69	11.510			
11,800.00	10,036.00	11,825.21	10,036.00	60.16	60.16	-90.00	210.53	1,658.53	1,320.06	1,201.29	118.77	11.114			
11,900.00	10,036.00	11,925.21	10,036.00	62.17	62.27	-90.00	211.57	1,758.53	1,320.06	1,197.11	122.95	10.737			
12,000.00	10,036.00	12,025.21	10,036.00	64.22	64.41	-90.00	212.60	1,858.52	1,320.06	1,192.85	127.20	10.378			
12,100.00	10,036.00	12,125.21	10,036.00	66.31	66.58	-90.00	213.63	1,958.52	1,320.05	1,188.52	131.53	10.036			
12,200.00	10,036.00	12,225.21	10,036.00	68.45	68.79	-90.00	214.67	2,058.51	1,320.05	1,184.13	135.92	9.712			
12,300.00	10,036.00	12,325.21	10,036.00	70.62	71.03	-90.00	215.70	2,158.51	1,320.05	1,179.67	140.38	9.404			
12,400.00	10,036.00	12,425.21	10,036.00	72.82	73.29	-90.00	216.74	2,258.50	1,320.05	1,175.16	144.89	9.111			
12,500.00	10,036.00	12,525.21	10,036.00	75.04	75.58	-90.00	217.77	2,358.50	1,320.05	1,170.61	149.44	8.833			
12,600.00	10,036.00	12,625.21	10,036.00	77.30	77.88	-90.00	218.80	2,458.49	1,320.05	1,166.00	154.04	8.569			
12,700.00	10,036.00	12,725.21	10,036.00	79.58	80.21	-90.00	219.84	2,558.48	1,320.05	1,161.36	158.69	8.319			
12,800.00	10,036.00	12,825.21	10,036.00	81.87	82.56	-90.00	220.87	2,658.48	1,320.04	1,156.68	163.36	8.080			
12,900.00	10,036.00	12,925.21	10,036.00	84.19	84.92	-90.00	221.90	2,758.47	1,320.04	1,151.96	168.08	7.854			
13,000.00	10,036.00	13,025.21	10,036.00	86.53	87.30	-90.00	222.94	2,858.47	1,320.04	1,147.22	172.82	7.638			
13,100.00	10,036.00	13,125.21	10,036.00	88.88	89.69	-90.00	223.97	2,958.46	1,320.04	1,142.44	177.60	7.433			
13,200.00	10,036.00	13,225.21	10,036.00	91.25	92.09	-90.00	225.00	3,058.46	1,320.04	1,137.64	182.40	7.237			
13,300.00	10,036.00	13,325.21	10,036.00	93.64	94.51	-90.00	226.04	3,158.45	1,320.04	1,132.81	187.22	7.051			
13,400.00	10,036.00	13,425.21	10,036.00	96.03	96.94	-90.00	227.07	3,258.45	1,320.04	1,127.96	192.07	6.873			
13,500.00	10,036.00	13,525.21	10,036.00	98.44	99.38	-90.00	228.11	3,358.44	1,320.03	1,123.09	196.94	6.703			
13,600.00	10,036.00	13,625.21	10,036.00	100.86	101.82	-90.00	229.14	3,458.44	1,320.03	1,118.20	201.83	6.540			
13,700.00	10,036.00	13,725.21	10,036.00	103.29	104.28	-90.00	230.17	3,558.43	1,320.03	1,113.30	206.74	6.385			
13,800.00	10,036.00	13,825.21	10,036.00	105.73	106.75	-90.00	231.21	3,658.43	1,320.03	1,108.37	211.66	6.237			
13,900.00	10,036.00	13,925.21	10,036.00	108.17	109.22	-90.00	232.24	3,758.42	1,320.03	1,103.43	216.60	6.094			
14,000.00	10,036.00	14,025.21	10,036.00	110.63	111.70	-90.00	233.27	3,858.42	1,320.03	1,098.47	221.55	5.958			
14,100.00	10,036.00	14,125.21	10,036.00	113.10	114.18	-90.00	234.31	3,958.41	1,320.03	1,093.50	226.52	5.827			
14,200.00	10,036.00	14,225.21	10,036.00	115.57	116.67	-90.00	235.34	4,058.40	1,320.02	1,088.52	231.50	5.702			
14,300.00	10,036.00	14,325.21	10,036.00	118.05	119.17	-90.00	236.38	4,158.40	1,320.02	1,083.53	236.49	5.582			
14,400.00	10,036.00	14,425.21	10,036.00	120.53	121.68	-90.00	237.41	4,258.39	1,320.02	1,078.52	241.50	5.466			
14,500.00	10,036.00	14,525.21	10,036.00	123.02	124.19	-90.00	238.44	4,358.39	1,320.02	1,073.51	246.51	5.355			
14,600.00	10,036.00	14,625.21	10,036.00	125.52	126.70	-90.00	239.48	4,458.38	1,320.02	1,068.48	251.54	5.248			
14,700.00	10,036.00	14,725.21	10,036.00	128.02	129.22	-90.00	240.51	4,558.38	1,320.02	1,063.45	256.57	5.145			
14,800.00	10,036.00	14,825.21	10,036.00	130.53	131.74	-90.00	241.54	4,658.37	1,320.02	1,058.40	261.61	5.046			

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

Legacy Directional Drilling

Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Offset Design: Joe Hollingsworth Fee - Joe Hollingsworth Fee 221H - OH - Plan 1														Offset Site Error:	0.00 usft
Survey Program: 0-MWD+IGRF														Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,900.00	10,036.00	14,925.21	10,036.00	133.04	134.27	-90.00	242.58	4,758.37	1,320.01	1,053.35	266.67	4.950			
15,000.00	10,036.00	15,025.21	10,036.00	135.55	136.80	-90.00	243.61	4,858.36	1,320.01	1,048.29	271.72	4.858			
15,100.00	10,036.00	15,125.21	10,036.00	138.07	139.33	-90.00	244.64	4,958.36	1,320.01	1,043.22	276.79	4.769			
15,200.00	10,036.00	15,225.21	10,036.00	140.60	141.87	-90.00	245.68	5,058.35	1,320.01	1,038.15	281.86	4.683			
15,300.00	10,036.00	15,325.21	10,036.00	143.13	144.41	-90.00	246.71	5,158.35	1,320.01	1,033.06	286.94	4.600			
15,400.00	10,036.00	15,425.21	10,036.00	145.66	146.96	-90.00	247.75	5,258.34	1,320.01	1,027.98	292.03	4.520			
15,500.00	10,036.00	15,525.21	10,036.00	148.19	149.50	-90.00	248.78	5,358.33	1,320.01	1,022.88	297.12	4.443			
15,600.00	10,036.00	15,625.21	10,036.00	150.73	152.05	-90.00	249.81	5,458.33	1,320.00	1,017.78	302.22	4.368			
15,700.00	10,036.00	15,725.21	10,036.00	153.27	154.60	-90.00	250.85	5,558.32	1,320.00	1,012.68	307.32	4.295			
15,800.00	10,036.00	15,825.21	10,036.00	155.82	157.16	-90.00	251.88	5,658.32	1,320.00	1,007.57	312.43	4.225			
15,900.00	10,036.00	15,925.21	10,036.00	158.37	159.72	-90.00	252.91	5,758.31	1,320.00	1,002.45	317.55	4.157			
16,000.00	10,036.00	16,025.21	10,036.00	160.92	162.28	-90.00	253.95	5,858.31	1,320.00	997.33	322.66	4.091			
16,100.00	10,036.00	16,125.21	10,036.00	163.47	164.84	-90.00	254.98	5,958.30	1,320.00	992.21	327.79	4.027			
16,200.00	10,036.00	16,225.21	10,036.00	166.02	167.40	-90.00	256.02	6,058.30	1,320.00	987.08	332.91	3.965			
16,300.00	10,036.00	16,325.21	10,036.00	168.58	169.97	-90.00	257.05	6,158.29	1,319.99	981.95	338.04	3.905			
16,400.00	10,036.00	16,425.21	10,036.00	171.14	172.54	-90.00	258.08	6,258.29	1,319.99	976.81	343.18	3.846			
16,500.00	10,036.00	16,525.21	10,036.00	173.70	175.11	-90.00	259.12	6,358.28	1,319.99	971.67	348.32	3.790			
16,600.00	10,036.00	16,625.21	10,036.00	176.26	177.68	-90.00	260.15	6,458.28	1,319.99	966.53	353.46	3.734			
16,700.00	10,036.00	16,725.21	10,036.00	178.83	180.25	-90.00	261.18	6,558.27	1,319.99	961.38	358.60	3.681			
16,800.00	10,036.00	16,825.21	10,036.00	181.40	182.83	-90.00	262.22	6,658.27	1,319.99	956.23	363.75	3.629			
16,900.00	10,036.00	16,925.21	10,036.00	183.96	185.40	-90.00	263.25	6,758.26	1,319.99	951.08	368.90	3.578			
17,000.00	10,036.00	17,025.21	10,036.00	186.53	187.98	-90.00	264.28	6,858.25	1,319.98	945.93	374.06	3.529			
17,100.00	10,036.00	17,125.21	10,036.00	189.11	190.56	-90.00	265.32	6,958.25	1,319.98	940.77	379.22	3.481			
17,200.00	10,036.00	17,225.21	10,036.00	191.68	193.14	-90.00	266.35	7,058.24	1,319.98	935.60	384.38	3.434			
17,300.00	10,036.00	17,325.21	10,036.00	194.26	195.72	-90.00	267.39	7,158.24	1,319.98	930.44	389.54	3.389			
17,400.00	10,036.00	17,425.21	10,036.00	196.83	198.30	-90.00	268.42	7,258.23	1,319.98	925.27	394.71	3.344			
17,500.00	10,036.00	17,525.21	10,036.00	199.41	200.89	-90.00	269.45	7,358.23	1,319.98	920.10	399.87	3.301			
17,600.00	10,036.00	17,625.21	10,036.00	201.99	203.47	-90.00	270.49	7,458.22	1,319.98	914.93	405.04	3.259			
17,700.00	10,036.00	17,725.21	10,036.00	204.57	206.06	-90.00	271.52	7,558.22	1,319.97	909.76	410.22	3.218			
17,800.00	10,036.00	17,825.21	10,036.00	207.15	208.65	-90.00	272.55	7,658.21	1,319.97	904.58	415.39	3.178			
17,900.00	10,036.00	17,925.21	10,036.00	209.73	211.24	-90.00	273.59	7,758.21	1,319.97	899.41	420.57	3.139			
18,000.00	10,036.00	18,025.21	10,036.00	212.32	213.83	-90.00	274.62	7,858.20	1,319.97	894.23	425.74	3.100			
18,100.00	10,036.00	18,125.21	10,036.00	214.90	216.42	-90.00	275.65	7,958.20	1,319.97	889.04	430.93	3.063			
18,200.00	10,036.00	18,225.21	10,036.00	217.49	219.01	-90.00	276.69	8,058.19	1,319.97	883.86	436.11	3.027			
18,300.00	10,036.00	18,325.21	10,036.00	220.08	221.60	-90.00	277.72	8,158.19	1,319.97	878.67	441.29	2.991			
18,400.00	10,036.00	18,425.21	10,036.00	222.67	224.19	-90.00	278.76	8,258.18	1,319.96	873.49	446.48	2.956			
18,500.00	10,036.00	18,525.21	10,036.00	225.25	226.79	-90.00	279.79	8,358.17	1,319.96	868.30	451.67	2.922			
18,600.00	10,036.00	18,625.21	10,036.00	227.84	229.38	-90.00	280.82	8,458.17	1,319.96	863.11	456.85	2.889			
18,700.00	10,036.00	18,725.21	10,036.00	230.44	231.79	-90.00	281.86	8,558.16	1,319.96	858.10	461.86	2.858			
18,703.19	10,036.00	18,728.41	10,036.00	230.52	231.85	-90.00	281.89	8,561.36	1,319.96	857.96	462.00	2.857			

Legacy Directional Drilling

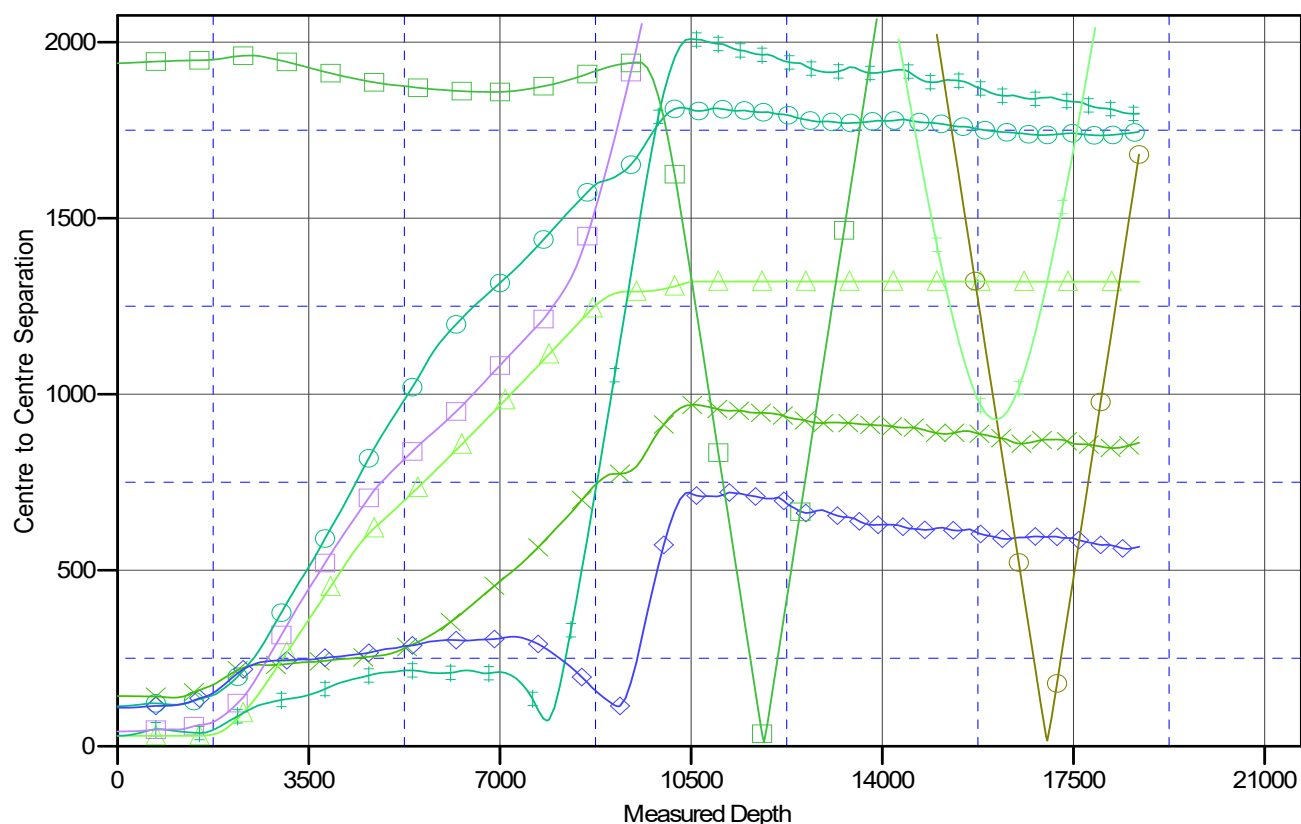
Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 3072 + 28.5' KB @ 3100.50usft (P
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Joe Hollingsworth Fee 222H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300
Grid Convergence at Surface is: 0.13°

Ladder Plot



LEGEND

Joe Hollingsworth Fee 201H, OH, OH V0	Joe Hollingsworth Fee 121H, OH, OH V0	Bg Chel#1, OH, OH V0
Joe Hollingsworth Fee 221H, OH, OH Plan 1 V0	Joe Hollingsworth Fee 135H, OH, OH V0	Bg Chel#10, OH, OH V0
Joe Hollingsworth Fee 122H, OH, OH V0	Joe Hollingsworth Fee 136H, OH, OH V0	Bg Chel#6, OH, OH V0

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

Legacy Directional Drilling

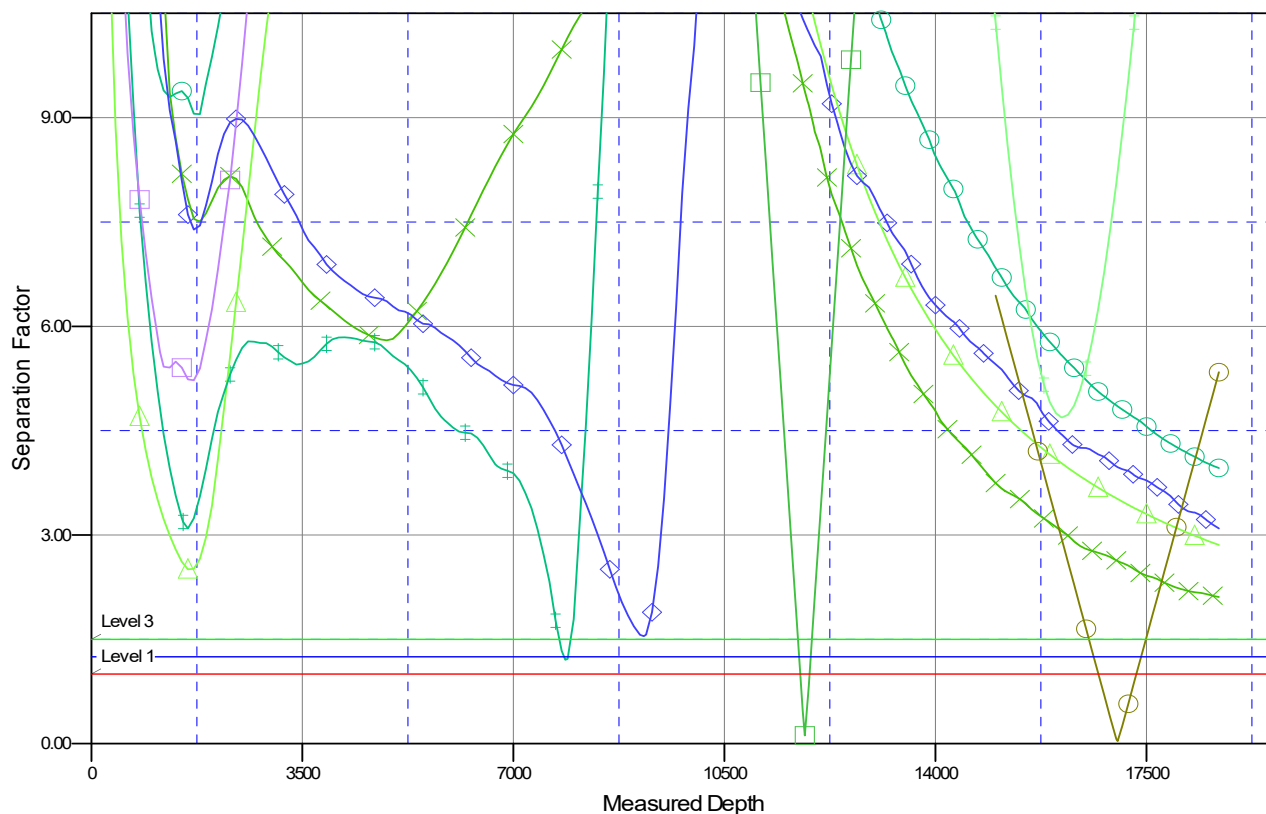
Anticollision Report

Company:	Matador Resources Company	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Project:	Eddy County, New Mexico (NAD27)	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Reference Site:	Joe Hollingsworth Fee	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM5000
Reference Design:	Plan 1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 3072 + 28.5' KB @ 3100.50usft (P)
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.333334

Coordinates are relative to: Joe Hollingsworth Fee 222H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300
 Grid Convergence at Surface is: 0.13°

Separation Factor Plot



LEGEND

Jbe Hollingsworth Fee 201H, OH, OH V0	Jbe Hollingsworth Fee 121H, OH, OH V0	Bg Chel#1, OH, OH V0
Jbe Hollingsworth Fee 221H, OH, OH V0	Jbe Hollingsworth Fee 135H, OH, OH V0	Bg Chel#10, OH, OH V0
Jbe Hollingsworth Fee 122H, OH, OH V0	Jbe Hollingsworth Fee 136H, OH, OH V0	Bg Chel#6, OH, OH V0

Matador Resources Company

Eddy County, New Mexico (NAD27)

Joe Hollingsworth Fee

Joe Hollingsworth Fee 222H

OH

Plan: Plan 1

Standard Planning Report

13 January, 2023

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project	Eddy County, New Mexico (NAD27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Joe Hollingsworth Fee		
Site Position:		Northing:	503,129.00 usft
From:	Map	Easting:	572,185.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.383000
		Longitude:	-104.099498

Well	Joe Hollingsworth Fee 222H					
Well Position	+N/-S	0.00 usft	Northing:	503,099.00 usft	Latitude:	32.382917
	+E/-W	0.00 usft	Easting:	572,185.00 usft	Longitude:	-104.099498
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,072.00 usft
Grid Convergence:		0.13 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/12/2023	6.62	59.92	47,372.14698225

Design	Plan 1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	89.41

Plan Survey Tool Program	Date	1/13/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	18,703.19 Plan 1 (OH)	MWD+IGRF	
			OWSG MWD + IGRF or WMM	

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,666.67	10.00	192.00	2,663.29	-56.76	-12.07	1.50	1.50	0.00	192.00	
8,646.67	10.00	192.00	8,552.44	-1,072.49	-227.96	0.00	0.00	0.00	0.00	
9,313.33	0.00	0.00	9,215.72	-1,129.25	-240.03	1.50	-1.50	0.00	180.00	
9,560.65	0.00	0.00	9,463.04	-1,129.25	-240.03	0.00	0.00	0.00	0.00	
10,460.65	90.00	89.41	10,036.00	-1,123.32	332.90	10.00	10.00	9.93	89.41	
18,703.19	90.00	89.41	10,036.00	-1,038.00	8,575.00	0.00	0.00	0.00	0.00	LPP/BHL - Joe Holling

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176.00	0.00	0.00	176.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler										
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado - 13 3/8"										
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
974.00	0.00	0.00	974.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Castile (T)										
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Nudge Build 1.50										
2,100.00	1.50	192.00	2,099.99	-1.28	-0.27	-0.29	1.50	1.50	0.00	
2,200.00	3.00	192.00	2,199.91	-5.12	-1.09	-1.14	1.50	1.50	0.00	
2,300.00	4.50	192.00	2,299.69	-11.52	-2.45	-2.57	1.50	1.50	0.00	
2,400.00	6.00	192.00	2,399.27	-20.47	-4.35	-4.56	1.50	1.50	0.00	
2,500.00	7.50	192.00	2,498.57	-31.96	-6.79	-7.12	1.50	1.50	0.00	
2,522.63	7.84	192.00	2,521.00	-34.92	-7.42	-7.78	1.50	1.50	0.00	
G30:CS14-CSB										
2,600.00	9.00	192.00	2,597.54	-46.00	-9.78	-10.25	1.50	1.50	0.00	
2,601.48	9.02	192.00	2,599.00	-46.23	-9.83	-10.30	1.50	1.50	0.00	
G26: Bell Cyn.										
2,666.67	10.00	192.00	2,663.29	-56.76	-12.07	-12.65	1.50	1.50	0.00	
10.00° at 2666.67 MD										
2,700.00	10.00	192.00	2,696.11	-62.42	-13.27	-13.91	0.00	0.00	0.00	
2,800.00	10.00	192.00	2,794.59	-79.41	-16.88	-17.70	0.00	0.00	0.00	
2,900.00	10.00	192.00	2,893.08	-96.39	-20.49	-21.48	0.00	0.00	0.00	
3,000.00	10.00	192.00	2,991.56	-113.38	-24.10	-25.27	0.00	0.00	0.00	
3,100.00	10.00	192.00	3,090.04	-130.37	-27.71	-29.05	0.00	0.00	0.00	
3,200.00	10.00	192.00	3,188.52	-147.35	-31.32	-32.84	0.00	0.00	0.00	
3,300.00	10.00	192.00	3,287.00	-164.34	-34.93	-36.62	0.00	0.00	0.00	
3,400.00	10.00	192.00	3,385.48	-181.32	-38.54	-40.41	0.00	0.00	0.00	
3,405.61	10.00	192.00	3,391.00	-182.27	-38.74	-40.62	0.00	0.00	0.00	
G13: Cherry Cyn.										
3,500.00	10.00	192.00	3,483.96	-198.31	-42.15	-44.19	0.00	0.00	0.00	
3,600.00	10.00	192.00	3,582.44	-215.29	-45.76	-47.98	0.00	0.00	0.00	

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,700.00	10.00	192.00	3,680.92	-232.28	-49.37	-51.76	0.00	0.00	0.00	
3,800.00	10.00	192.00	3,779.40	-249.26	-52.98	-55.55	0.00	0.00	0.00	
3,900.00	10.00	192.00	3,877.88	-266.25	-56.59	-59.33	0.00	0.00	0.00	
4,000.00	10.00	192.00	3,976.36	-283.23	-60.20	-63.12	0.00	0.00	0.00	
4,100.00	10.00	192.00	4,074.85	-300.22	-63.81	-66.90	0.00	0.00	0.00	
4,200.00	10.00	192.00	4,173.33	-317.20	-67.42	-70.69	0.00	0.00	0.00	
4,300.00	10.00	192.00	4,271.81	-334.19	-71.03	-74.47	0.00	0.00	0.00	
4,400.00	10.00	192.00	4,370.29	-351.17	-74.64	-78.26	0.00	0.00	0.00	
4,500.00	10.00	192.00	4,468.77	-368.16	-78.25	-82.04	0.00	0.00	0.00	
4,600.00	10.00	192.00	4,567.25	-385.15	-81.87	-85.83	0.00	0.00	0.00	
4,638.33	10.00	192.00	4,605.00	-391.66	-83.25	-87.28	0.00	0.00	0.00	
G7: Brushy Cyn.										
4,700.00	10.00	192.00	4,665.73	-402.13	-85.48	-89.61	0.00	0.00	0.00	
4,800.00	10.00	192.00	4,764.21	-419.12	-89.09	-93.40	0.00	0.00	0.00	
4,900.00	10.00	192.00	4,862.69	-436.10	-92.70	-97.18	0.00	0.00	0.00	
5,000.00	10.00	192.00	4,961.17	-453.09	-96.31	-100.97	0.00	0.00	0.00	
5,100.00	10.00	192.00	5,059.65	-470.07	-99.92	-104.75	0.00	0.00	0.00	
5,200.00	10.00	192.00	5,158.13	-487.06	-103.53	-108.54	0.00	0.00	0.00	
5,300.00	10.00	192.00	5,256.61	-504.04	-107.14	-112.32	0.00	0.00	0.00	
5,400.00	10.00	192.00	5,355.10	-521.03	-110.75	-116.11	0.00	0.00	0.00	
5,500.00	10.00	192.00	5,453.58	-538.01	-114.36	-119.89	0.00	0.00	0.00	
5,600.00	10.00	192.00	5,552.06	-555.00	-117.97	-123.68	0.00	0.00	0.00	
5,700.00	10.00	192.00	5,650.54	-571.98	-121.58	-127.46	0.00	0.00	0.00	
5,800.00	10.00	192.00	5,749.02	-588.97	-125.19	-131.25	0.00	0.00	0.00	
5,900.00	10.00	192.00	5,847.50	-605.96	-128.80	-135.03	0.00	0.00	0.00	
6,000.00	10.00	192.00	5,945.98	-622.94	-132.41	-138.82	0.00	0.00	0.00	
6,053.84	10.00	192.00	5,999.00	-632.09	-134.35	-140.86	0.00	0.00	0.00	
G4: BSGL (CS9)										
6,100.00	10.00	192.00	6,044.46	-639.93	-136.02	-142.60	0.00	0.00	0.00	
6,200.00	10.00	192.00	6,142.94	-656.91	-139.63	-146.39	0.00	0.00	0.00	
6,300.00	10.00	192.00	6,241.42	-673.90	-143.24	-150.17	0.00	0.00	0.00	
6,400.00	10.00	192.00	6,339.90	-690.88	-146.85	-153.96	0.00	0.00	0.00	
6,425.48	10.00	192.00	6,365.00	-695.21	-147.77	-154.92	0.00	0.00	0.00	
L8.2: U. Avalon Shale										
6,500.00	10.00	192.00	6,438.38	-707.87	-150.46	-157.74	0.00	0.00	0.00	
6,549.37	10.00	192.00	6,487.00	-716.25	-152.24	-159.61	0.00	0.00	0.00	
L6.3: Avalon Carb										
6,600.00	10.00	192.00	6,536.86	-724.85	-154.07	-161.53	0.00	0.00	0.00	
6,644.82	10.00	192.00	6,581.00	-732.46	-155.69	-163.22	0.00	0.00	0.00	
L6.2: L. Avalon Shale										
6,700.00	10.00	192.00	6,635.35	-741.84	-157.68	-165.31	0.00	0.00	0.00	
6,730.11	10.00	192.00	6,665.00	-746.95	-158.77	-166.45	0.00	0.00	0.00	
L5.3: FBSC										
6,800.00	10.00	192.00	6,733.83	-758.82	-161.29	-169.10	0.00	0.00	0.00	
6,900.00	10.00	192.00	6,832.31	-775.81	-164.90	-172.88	0.00	0.00	0.00	
7,000.00	10.00	192.00	6,930.79	-792.79	-168.51	-176.67	0.00	0.00	0.00	
7,100.00	10.00	192.00	7,029.27	-809.78	-172.12	-180.45	0.00	0.00	0.00	
7,104.80	10.00	192.00	7,034.00	-810.60	-172.30	-180.64	0.00	0.00	0.00	
L5.1: FBSC										
7,161.67	10.00	192.00	7,090.00	-820.25	-174.35	-182.79	0.00	0.00	0.00	
M. FBSC										

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,200.00	10.00	192.00	7,127.75	-826.76	-175.73	-184.24	0.00	0.00	0.00	
7,300.00	10.00	192.00	7,226.23	-843.75	-179.34	-188.02	0.00	0.00	0.00	
7,317.03	10.00	192.00	7,243.00	-846.64	-179.96	-188.67	0.00	0.00	0.00	
L. FBSG										
7,375.92	10.00	192.00	7,301.00	-856.65	-182.09	-190.90	0.00	0.00	0.00	
L4.3: SBSC										
7,400.00	10.00	192.00	7,324.71	-860.74	-182.95	-191.81	0.00	0.00	0.00	
7,500.00	10.00	192.00	7,423.19	-877.72	-186.57	-195.59	0.00	0.00	0.00	
7,600.00	10.00	192.00	7,521.67	-894.71	-190.18	-199.38	0.00	0.00	0.00	
7,700.00	10.00	192.00	7,620.15	-911.69	-193.79	-203.16	0.00	0.00	0.00	
7,800.00	10.00	192.00	7,718.63	-928.68	-197.40	-206.95	0.00	0.00	0.00	
7,868.41	10.00	192.00	7,786.00	-940.30	-199.87	-209.54	0.00	0.00	0.00	
L4.1: SBSC										
7,900.00	10.00	192.00	7,817.11	-945.66	-201.01	-210.73	0.00	0.00	0.00	
7,994.32	10.00	192.00	7,910.00	-961.68	-204.41	-214.30	0.00	0.00	0.00	
L4.1: SBSC B Carb										
8,000.00	10.00	192.00	7,915.60	-962.65	-204.62	-214.52	0.00	0.00	0.00	
8,079.61	10.00	192.00	7,994.00	-976.17	-207.49	-217.53	0.00	0.00	0.00	
SBSC B Target										
8,100.00	10.00	192.00	8,014.08	-979.63	-208.23	-218.30	0.00	0.00	0.00	
8,168.97	10.00	192.00	8,082.00	-991.35	-210.72	-220.91	0.00	0.00	0.00	
L4.1: SBSC C										
8,200.00	10.00	192.00	8,112.56	-996.62	-211.84	-222.09	0.00	0.00	0.00	
8,215.68	10.00	192.00	8,128.00	-999.28	-212.40	-222.68	0.00	0.00	0.00	
L3.3: TBSC										
8,300.00	10.00	192.00	8,211.04	-1,013.60	-215.45	-225.87	0.00	0.00	0.00	
8,400.00	10.00	192.00	8,309.52	-1,030.59	-219.06	-229.66	0.00	0.00	0.00	
8,500.00	10.00	192.00	8,408.00	-1,047.57	-222.67	-233.44	0.00	0.00	0.00	
8,600.00	10.00	192.00	8,506.48	-1,064.56	-226.28	-237.23	0.00	0.00	0.00	
8,611.70	10.00	192.00	8,518.00	-1,066.55	-226.70	-237.67	0.00	0.00	0.00	
L3.3.2: Break Sand (T)										
8,646.67	10.00	192.00	8,552.44	-1,072.49	-227.96	-239.00	0.00	0.00	0.00	
Start Drop -1.50										
8,700.00	9.20	192.00	8,605.02	-1,081.19	-229.81	-240.93	1.50	-1.50	0.00	
8,800.00	7.70	192.00	8,703.94	-1,095.56	-232.87	-244.14	1.50	-1.50	0.00	
8,900.00	6.20	192.00	8,803.20	-1,107.39	-235.38	-246.77	1.50	-1.50	0.00	
9,000.00	4.70	192.00	8,902.74	-1,116.68	-237.36	-248.84	1.50	-1.50	0.00	
9,100.00	3.20	192.00	9,002.50	-1,123.42	-238.79	-250.35	1.50	-1.50	0.00	
9,128.54	2.77	192.00	9,031.00	-1,124.88	-239.10	-250.67	1.50	-1.50	0.00	
L3.1: TBSC										
9,200.00	1.70	192.00	9,102.41	-1,127.60	-239.68	-251.28	1.50	-1.50	0.00	
9,300.00	0.20	192.00	9,202.39	-1,129.23	-240.02	-251.64	1.50	-1.50	0.00	
9,313.33	0.00	0.00	9,215.72	-1,129.25	-240.03	-251.64	1.50	-1.50	0.00	
Vertical at 9313.33 MD										
9,400.00	0.00	0.00	9,302.39	-1,129.25	-240.03	-251.64	0.00	0.00	0.00	
9,410.61	0.00	0.00	9,313.00	-1,129.25	-240.03	-251.64	0.00	0.00	0.00	
L. TBSC										
9,449.61	0.00	0.00	9,352.00	-1,129.25	-240.03	-251.64	0.00	0.00	0.00	
L2: WFMP A										
9,460.65	0.00	0.00	9,363.04	-1,129.25	-240.03	-251.64	0.00	0.00	0.00	
7 5/8"										

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.00	0.00	0.00	9,402.39	-1,129.25	-240.03	-251.64	0.00	0.00	0.00
9,560.65	0.00	0.00	9,463.04	-1,129.25	-240.03	-251.64	0.00	0.00	0.00
KOP Start DLS 10.00 TFO 89.41									
9,591.62	3.10	89.41	9,494.00	-1,129.24	-239.19	-250.81	10.00	10.00	0.00
WFMP A Fat									
9,600.00	3.94	89.41	9,502.36	-1,129.23	-238.68	-250.29	10.00	10.00	0.00
9,650.00	8.94	89.41	9,552.03	-1,129.18	-233.08	-244.69	10.00	10.00	0.00
9,700.00	13.94	89.41	9,601.02	-1,129.07	-223.17	-234.78	10.00	10.00	0.00
9,750.00	18.94	89.41	9,648.96	-1,128.93	-209.03	-220.64	10.00	10.00	0.00
9,800.00	23.94	89.41	9,695.49	-1,128.74	-190.76	-202.37	10.00	10.00	0.00
9,850.00	28.94	89.41	9,740.25	-1,128.51	-168.51	-180.12	10.00	10.00	0.00
9,875.17	31.45	89.41	9,762.00	-1,128.38	-155.85	-167.46	10.00	10.00	0.00
WFMP B									
9,900.00	33.94	89.41	9,782.90	-1,128.24	-142.44	-154.05	10.00	10.00	0.00
9,950.00	38.94	89.41	9,823.11	-1,127.93	-112.76	-124.37	10.00	10.00	0.00
10,000.00	43.94	89.41	9,860.58	-1,127.59	-79.68	-91.29	10.00	10.00	0.00
10,034.96	47.43	89.41	9,885.00	-1,127.33	-54.68	-66.28	10.00	10.00	0.00
WFMP B.1									
10,050.00	48.94	89.41	9,895.03	-1,127.21	-43.47	-55.07	10.00	10.00	0.00
10,100.00	53.94	89.41	9,926.19	-1,126.81	-4.38	-15.99	10.00	10.00	0.00
10,125.21	56.46	89.41	9,940.58	-1,126.59	16.31	4.71	10.00	10.00	0.00
FPP - Joe Hollingsworth Fee 222H									
10,150.00	58.94	89.41	9,953.83	-1,126.38	37.26	25.66	10.00	10.00	0.00
10,200.00	63.94	89.41	9,977.73	-1,125.92	81.16	69.56	10.00	10.00	0.00
10,245.29	68.46	89.41	9,996.00	-1,125.49	122.59	110.99	10.00	10.00	0.00
WFMP B.2									
10,250.00	68.94	89.41	9,997.71	-1,125.45	126.97	115.38	10.00	10.00	0.00
10,300.00	73.94	89.41	10,013.62	-1,124.96	174.35	162.76	10.00	10.00	0.00
10,350.00	78.94	89.41	10,025.35	-1,124.46	222.94	211.35	10.00	10.00	0.00
10,400.00	83.94	89.41	10,032.79	-1,123.94	272.37	260.78	10.00	10.00	0.00
10,450.00	88.94	89.41	10,035.90	-1,123.43	322.25	310.67	10.00	10.00	0.00
10,460.65	90.00	89.41	10,036.00	-1,123.32	332.90	321.31	10.00	10.00	0.00
LP 90.00° at 10460.65 MD									
10,500.00	90.00	89.41	10,036.00	-1,122.91	372.25	360.66	0.00	0.00	0.00
10,600.00	90.00	89.41	10,036.00	-1,121.88	472.24	460.66	0.00	0.00	0.00
10,700.00	90.00	89.41	10,036.00	-1,120.84	572.24	560.66	0.00	0.00	0.00
10,800.00	90.00	89.41	10,036.00	-1,119.81	672.23	660.66	0.00	0.00	0.00
10,900.00	90.00	89.41	10,036.00	-1,118.77	772.23	760.66	0.00	0.00	0.00
11,000.00	90.00	89.41	10,036.00	-1,117.73	872.22	860.66	0.00	0.00	0.00
11,100.00	90.00	89.41	10,036.00	-1,116.70	972.22	960.66	0.00	0.00	0.00
11,200.00	90.00	89.41	10,036.00	-1,115.66	1,072.21	1,060.66	0.00	0.00	0.00
11,300.00	90.00	89.41	10,036.00	-1,114.63	1,172.20	1,160.66	0.00	0.00	0.00
11,400.00	90.00	89.41	10,036.00	-1,113.59	1,272.20	1,260.66	0.00	0.00	0.00
11,500.00	90.00	89.41	10,036.00	-1,112.56	1,372.19	1,360.66	0.00	0.00	0.00
11,600.00	90.00	89.41	10,036.00	-1,111.52	1,472.19	1,460.66	0.00	0.00	0.00
11,700.00	90.00	89.41	10,036.00	-1,110.49	1,572.18	1,560.66	0.00	0.00	0.00
11,800.00	90.00	89.41	10,036.00	-1,109.45	1,672.18	1,660.66	0.00	0.00	0.00
11,900.00	90.00	89.41	10,036.00	-1,108.42	1,772.17	1,760.66	0.00	0.00	0.00
12,000.00	90.00	89.41	10,036.00	-1,107.38	1,872.17	1,860.66	0.00	0.00	0.00
12,100.00	90.00	89.41	10,036.00	-1,106.35	1,972.16	1,960.66	0.00	0.00	0.00
12,200.00	90.00	89.41	10,036.00	-1,105.31	2,072.16	2,060.66	0.00	0.00	0.00

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
12,300.00	90.00	89.41	10,036.00	-1,104.28	2,172.15	2,160.66	0.00	0.00	0.00	
12,400.00	90.00	89.41	10,036.00	-1,103.24	2,272.15	2,260.66	0.00	0.00	0.00	
12,500.00	90.00	89.41	10,036.00	-1,102.21	2,372.14	2,360.66	0.00	0.00	0.00	
12,600.00	90.00	89.41	10,036.00	-1,101.17	2,472.13	2,460.66	0.00	0.00	0.00	
12,700.00	90.00	89.41	10,036.00	-1,100.14	2,572.13	2,560.66	0.00	0.00	0.00	
12,800.00	90.00	89.41	10,036.00	-1,099.10	2,672.12	2,660.66	0.00	0.00	0.00	
12,900.00	90.00	89.41	10,036.00	-1,098.07	2,772.12	2,760.66	0.00	0.00	0.00	
13,000.00	90.00	89.41	10,036.00	-1,097.03	2,872.11	2,860.66	0.00	0.00	0.00	
13,100.00	90.00	89.41	10,036.00	-1,096.00	2,972.11	2,960.66	0.00	0.00	0.00	
13,200.00	90.00	89.41	10,036.00	-1,094.96	3,072.10	3,060.66	0.00	0.00	0.00	
13,300.00	90.00	89.41	10,036.00	-1,093.93	3,172.10	3,160.66	0.00	0.00	0.00	
13,400.00	90.00	89.41	10,036.00	-1,092.89	3,272.09	3,260.66	0.00	0.00	0.00	
13,500.00	90.00	89.41	10,036.00	-1,091.86	3,372.09	3,360.66	0.00	0.00	0.00	
13,600.00	90.00	89.41	10,036.00	-1,090.82	3,472.08	3,460.66	0.00	0.00	0.00	
13,700.00	90.00	89.41	10,036.00	-1,089.79	3,572.08	3,560.66	0.00	0.00	0.00	
13,800.00	90.00	89.41	10,036.00	-1,088.75	3,672.07	3,660.66	0.00	0.00	0.00	
13,900.00	90.00	89.41	10,036.00	-1,087.72	3,772.07	3,760.66	0.00	0.00	0.00	
14,000.00	90.00	89.41	10,036.00	-1,086.68	3,872.06	3,860.66	0.00	0.00	0.00	
14,100.00	90.00	89.41	10,036.00	-1,085.65	3,972.05	3,960.66	0.00	0.00	0.00	
14,200.00	90.00	89.41	10,036.00	-1,084.61	4,072.05	4,060.66	0.00	0.00	0.00	
14,300.00	90.00	89.41	10,036.00	-1,083.58	4,172.04	4,160.66	0.00	0.00	0.00	
14,400.00	90.00	89.41	10,036.00	-1,082.54	4,272.04	4,260.66	0.00	0.00	0.00	
14,500.00	90.00	89.41	10,036.00	-1,081.51	4,372.03	4,360.66	0.00	0.00	0.00	
14,600.00	90.00	89.41	10,036.00	-1,080.47	4,472.03	4,460.66	0.00	0.00	0.00	
14,700.00	90.00	89.41	10,036.00	-1,079.44	4,572.02	4,560.66	0.00	0.00	0.00	
14,800.00	90.00	89.41	10,036.00	-1,078.40	4,672.02	4,660.66	0.00	0.00	0.00	
14,900.00	90.00	89.41	10,036.00	-1,077.37	4,772.01	4,760.66	0.00	0.00	0.00	
15,000.00	90.00	89.41	10,036.00	-1,076.33	4,872.01	4,860.66	0.00	0.00	0.00	
15,100.00	90.00	89.41	10,036.00	-1,075.30	4,972.00	4,960.66	0.00	0.00	0.00	
15,200.00	90.00	89.41	10,036.00	-1,074.26	5,072.00	5,060.66	0.00	0.00	0.00	
15,300.00	90.00	89.41	10,036.00	-1,073.23	5,171.99	5,160.66	0.00	0.00	0.00	
15,400.00	90.00	89.41	10,036.00	-1,072.19	5,271.98	5,260.66	0.00	0.00	0.00	
15,500.00	90.00	89.41	10,036.00	-1,071.16	5,371.98	5,360.66	0.00	0.00	0.00	
15,600.00	90.00	89.41	10,036.00	-1,070.12	5,471.97	5,460.66	0.00	0.00	0.00	
15,700.00	90.00	89.41	10,036.00	-1,069.09	5,571.97	5,560.66	0.00	0.00	0.00	
15,800.00	90.00	89.41	10,036.00	-1,068.05	5,671.96	5,660.66	0.00	0.00	0.00	
15,900.00	90.00	89.41	10,036.00	-1,067.02	5,771.96	5,760.66	0.00	0.00	0.00	
16,000.00	90.00	89.41	10,036.00	-1,065.98	5,871.95	5,860.66	0.00	0.00	0.00	
16,100.00	90.00	89.41	10,036.00	-1,064.95	5,971.95	5,960.66	0.00	0.00	0.00	
16,200.00	90.00	89.41	10,036.00	-1,063.91	6,071.94	6,060.66	0.00	0.00	0.00	
16,300.00	90.00	89.41	10,036.00	-1,062.88	6,171.94	6,160.66	0.00	0.00	0.00	
16,400.00	90.00	89.41	10,036.00	-1,061.84	6,271.93	6,260.66	0.00	0.00	0.00	
16,500.00	90.00	89.41	10,036.00	-1,060.81	6,371.93	6,360.66	0.00	0.00	0.00	
16,600.00	90.00	89.41	10,036.00	-1,059.77	6,471.92	6,460.66	0.00	0.00	0.00	
16,700.00	90.00	89.41	10,036.00	-1,058.73	6,571.92	6,560.66	0.00	0.00	0.00	
16,800.00	90.00	89.41	10,036.00	-1,057.70	6,671.91	6,660.66	0.00	0.00	0.00	
16,900.00	90.00	89.41	10,036.00	-1,056.66	6,771.90	6,760.66	0.00	0.00	0.00	
17,000.00	90.00	89.41	10,036.00	-1,055.63	6,871.90	6,860.66	0.00	0.00	0.00	
17,100.00	90.00	89.41	10,036.00	-1,054.59	6,971.89	6,960.66	0.00	0.00	0.00	
17,200.00	90.00	89.41	10,036.00	-1,053.56	7,071.89	7,060.66	0.00	0.00	0.00	
17,300.00	90.00	89.41	10,036.00	-1,052.52	7,171.88	7,160.66	0.00	0.00	0.00	
17,400.00	90.00	89.41	10,036.00	-1,051.49	7,271.88	7,260.66	0.00	0.00	0.00	

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.00	90.00	89.41	10,036.00	-1,050.45	7,371.87	7,360.66	0.00	0.00	0.00
17,600.00	90.00	89.41	10,036.00	-1,049.42	7,471.87	7,460.66	0.00	0.00	0.00
17,700.00	90.00	89.41	10,036.00	-1,048.38	7,571.86	7,560.66	0.00	0.00	0.00
17,800.00	90.00	89.41	10,036.00	-1,047.35	7,671.86	7,660.66	0.00	0.00	0.00
17,900.00	90.00	89.41	10,036.00	-1,046.31	7,771.85	7,760.66	0.00	0.00	0.00
18,000.00	90.00	89.41	10,036.00	-1,045.28	7,871.85	7,860.66	0.00	0.00	0.00
18,100.00	90.00	89.41	10,036.00	-1,044.24	7,971.84	7,960.66	0.00	0.00	0.00
18,200.00	90.00	89.41	10,036.00	-1,043.21	8,071.83	8,060.66	0.00	0.00	0.00
18,300.00	90.00	89.41	10,036.00	-1,042.17	8,171.83	8,160.66	0.00	0.00	0.00
18,400.00	90.00	89.41	10,036.00	-1,041.14	8,271.82	8,260.66	0.00	0.00	0.00
18,500.00	90.00	89.41	10,036.00	-1,040.10	8,371.82	8,360.66	0.00	0.00	0.00
18,600.00	90.00	89.41	10,036.00	-1,039.07	8,471.81	8,460.66	0.00	0.00	0.00
18,703.19	90.00	89.41	10,036.00	-1,038.00	8,575.00	8,563.86	0.00	0.00	0.00
LPP/BHL TD at 18703.19 - LPP/BHL - Joe Hollingsworth Fee 222H									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FPP - Joe Hollingsworth	0.00	0.00	10,036.00	-1,127.00	-47.00	501,972.00	572,138.00	32.379819	-104.099658
- plan misses target center by 114.52usft at 10125.21usft MD (9940.58 TVD, -1126.59 N, 16.31 E)									
- Point									
LPP/BHL - Joe Hollingsv	0.00	0.01	10,036.00	-1,038.00	8,575.00	502,061.00	580,760.00	32.380009	-104.071729
- plan hits target center									
- Point									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name		
400.00	400.00	13 3/8"	Casing Diameter (")	Hole Diameter (")
9,460.65	9,363.04	7 5/8"	13-3/8	17-1/2
			7-5/8	8-3/4

Legacy Directional Drilling

Planning Report

Database:	EDM5000	Local Co-ordinate Reference:	Well Joe Hollingsworth Fee 222H
Company:	Matador Resources Company	TVD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Project:	Eddy County, New Mexico (NAD27)	MD Reference:	GL 3072 + 28.5' KB @ 3100.50usft (Patterson 298)
Site:	Joe Hollingsworth Fee	North Reference:	Grid
Well:	Joe Hollingsworth Fee 222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
176.00	176.00	Rustler				
400.00	400.00	Salado				
974.00	974.00	Castile (T)				
2,522.63	2,521.00	G30:CS14-CSB				
2,601.48	2,599.00	G26: Bell Cyn.				
3,405.61	3,391.00	G13: Cherry Cyn.				
4,638.33	4,605.00	G7: Brushy Cyn.				
6,053.84	5,999.00	G4: BSGL (CS9)				
6,425.48	6,365.00	L8.2: U. Avalon Shale				
6,549.37	6,487.00	L6.3: Avalon Carb				
6,644.82	6,581.00	L6.2: L. Avalon Shale				
6,730.11	6,665.00	L5.3: FBSC				
7,104.80	7,034.00	L5.1: FBSG				
7,161.67	7,090.00	M. FBSG				
7,317.03	7,243.00	L. FBSG				
7,375.92	7,301.00	L4.3: SBSC				
7,868.41	7,786.00	L4.1: SBSG				
7,994.32	7,910.00	L4.1: SBSG B Carb				
8,079.61	7,994.00	SBSG B Target				
8,168.97	8,082.00	L4.1: SBSG C				
8,215.68	8,128.00	L3.3: TBSC				
8,611.70	8,518.00	L3.3.2: Break Sand (T)				
9,128.54	9,031.00	L3.1: TBSG				
9,410.61	9,313.00	L. TBSG				
9,449.61	9,352.00	L2: WFMP A				
9,591.62	9,494.00	WFMP A Fat				
9,875.17	9,762.00	WFMP B				
10,034.96	9,885.00	WFMP B.1				
10,245.29	9,996.00	WFMP B.2				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,000.00	2,000.00	0.00	0.00	Start Nudge Build 1.50	
2,666.67	2,663.29	-56.76	-12.07	10.00° at 2666.67 MD	
8,646.67	8,552.44	-1,072.49	-227.96	Start Drop -1.50	
9,313.33	9,215.72	-1,129.25	-240.03	Vertical at 9313.33 MD	
9,560.65	9,463.04	-1,129.25	-240.03	KOP Start DLS 10.00 TFO 89.41	
10,460.65	10,036.00	-1,123.32	332.90	LP 90.00° at 10460.65 MD	
18,703.19	10,036.00	-1,038.00	8,575.00	LPP/BHL TD at 18703.19	