

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 342484

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 30-015-53894
4. Property Code 331076	5. Property Name GEORGE 14 15 24S 28E	6. Well No. 134H

7. Surface Location

UL - Lot P	Section 14	Township 24S	Range 28E	Lot Idn	Feet From 1126	N/S Line S	Feet From 756	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 15	Township 24S	Range 28E	Lot Idn M	Feet From 660	N/S Line S	Feet From 110	E/W Line W	County Eddy
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9. Pool Information

MALAGA;BONE SPRING	42780
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2976
16. Multiple N	17. Proposed Depth 19180	18. Formation 3rd Bone Spring Carbonate	19. Contractor	20. Spud Date 7/9/2023
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	605	525	0
Int1	9.875	7.625	29.7	8103	1350	0
Prod	6.75	5.5	20	19180	820	7903

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig Option to set DV/Packer. Volumes will be adjusted for 2 stage job.
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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: Ward Rikala	
Title: Regulatory Analyst	Title:	
Email Address: brett.jennings@matadorresources.com	Approved Date: 6/20/2023	Expiration Date: 6/20/2025
Date: 6/19/2023	Phone: 972-629-2160	Conditions of Approval Attached

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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 30-015-53894		² Pool Code 42780		³ Pool Name Malaga; Bone Spring	
⁴ Property Code 331076		⁵ Property Name GEORGE 14 15 24S 28E			⁶ Well Number 134H
⁷ GRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 2976'

¹⁰Surface Location

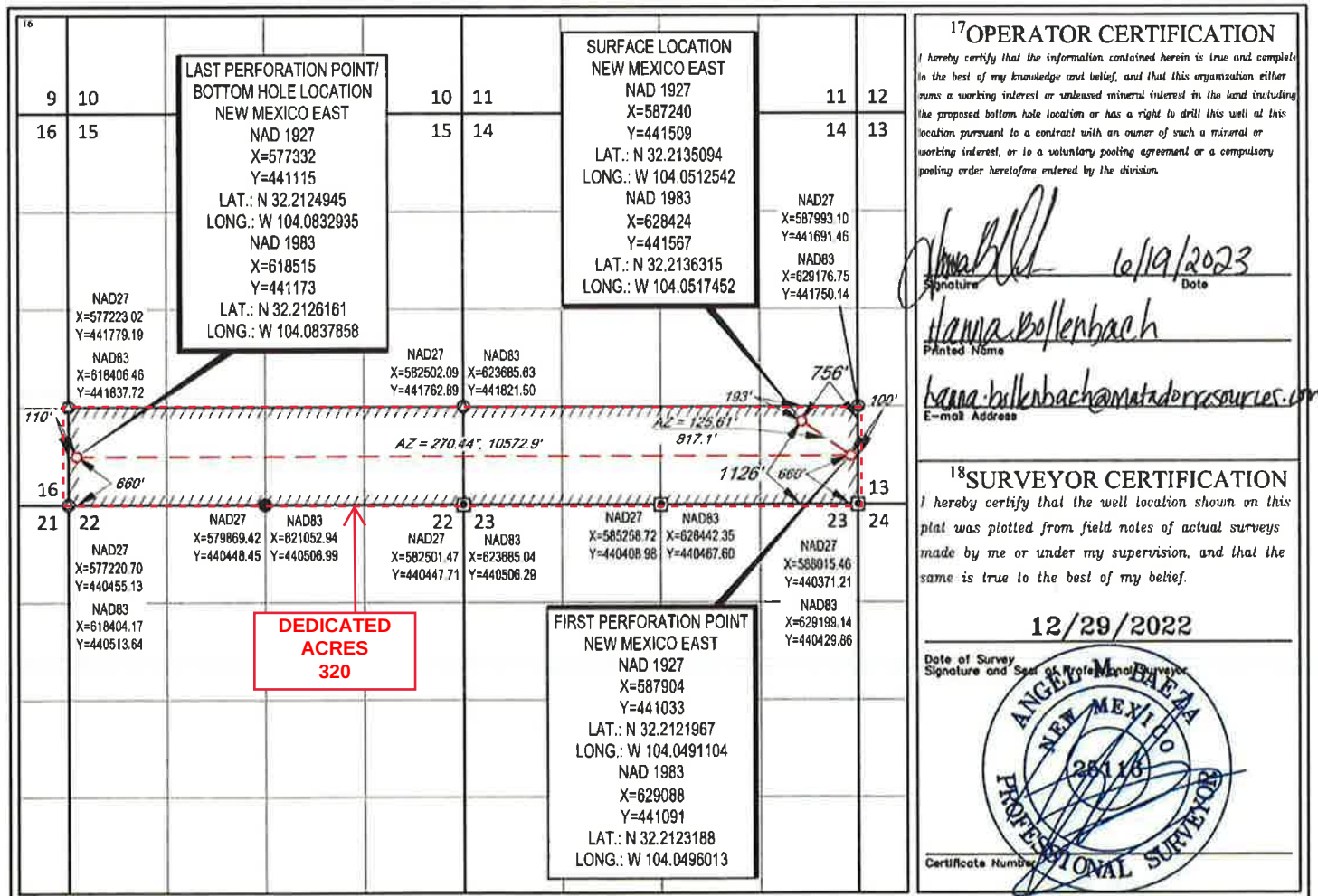
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	24-S	28-E	-	1126'	SOUTH	756'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	24-S	28-E	-	660'	SOUTH	110'	WEST	EDDY

¹² Dedicated Acres 320	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.



S:\SURVEY\MATADOR_RESOURCE\GEORGE_14-24S-28E\FINAL_PRODUCT\SILO_GEORGE_14_15_24S_28E_134H_REV2.DWG 6/19/2023 10:19:35 AM ad-sabella

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

Form APD Conditions

Permit 342484

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-53894
	Well: GEORGE 14 15 24S 28E #134H

OCD Reviewer	Condition
ward.rikala	Notify OCD 24 hours prior to casing & cement
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ward.rikala	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
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	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
ward.rikala	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

Matador Production Company

Rustler Breaks

George

George #134H

Wellbore #1

State Plan #1

Anticollision Report

09 May, 2023

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well George #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3004.5usft
Reference Site:	George	MD Reference:	KB @ 3004.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program	Date	5/9/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,180.3	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Dr Ellis						
Dr Ellis #113H - Wellbore #1 - State Plan #1	1,000.0	997.0	774.1	767.4	115.573	CC, ES
Dr Ellis #113H - Wellbore #1 - State Plan #1	7,300.0	7,141.8	1,475.1	1,421.4	27.488	SF
Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease	1,500.0	1,497.0	29.5	19.2	2.864	CC, ES, SF
Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease	1,179.9	1,177.0	29.1	21.2	3.658	CC
Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease	1,400.0	1,403.0	29.8	20.3	3.130	ES
Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease	1,700.0	1,703.1	32.9	21.3	2.828	SF
Dr Ellis #133H - Wellbore #1 - State Plan #1	1,064.3	1,065.8	86.8	79.5	11.876	CC
Dr Ellis #133H - Wellbore #1 - State Plan #1	1,100.0	1,101.1	86.9	79.3	11.474	ES
Dr Ellis #133H - Wellbore #1 - State Plan #1	2,200.0	2,189.9	133.2	117.9	8.716	SF
George						
George #113H - Wellbore #1 - Actual	659.2	657.4	721.4	717.4	178.969	CC
George #113H - Wellbore #1 - Actual	700.0	695.4	721.5	717.2	167.534	ES
George #113H - Wellbore #1 - Actual	19,180.3	18,369.0	1,964.1	1,592.5	5.286	SF
George #114H - Sidetrack - Sidetrack	1,198.4	1,199.3	12.8	4.9	1.611	CC
George #114H - Sidetrack - Sidetrack	1,200.0	1,200.9	12.8	4.9	1.609	ES
George #114H - Sidetrack - Sidetrack	7,036.0	7,052.9	75.3	21.4	1.398	Level 3, SF
George #114H - Wellbore #1 - Actual	1,198.4	1,199.3	12.8	4.9	1.611	CC
George #114H - Wellbore #1 - Actual	1,200.0	1,200.9	12.8	4.9	1.609	ES
George #114H - Wellbore #1 - Actual	7,036.0	7,052.9	75.3	21.4	1.398	Level 3, SF
George #114H - Wellbore #1 - Altitude Plan #2	1,198.3	1,199.2	12.9	4.8	1.588	CC
George #114H - Wellbore #1 - Altitude Plan #2	7,131.3	7,148.7	55.9	1.3	1.023	Level 2, ES, SF
George #114H - Wellbore #1 - Altitude Plan #3 (ST)	1,198.4	1,199.3	12.8	4.7	1.578	CC
George #114H - Wellbore #1 - Altitude Plan #3 (ST)	1,200.0	1,200.9	12.8	4.7	1.576	ES
George #114H - Wellbore #1 - Altitude Plan #3 (ST)	7,036.0	7,052.9	75.3	21.3	1.394	Level 3, SF
George #123H - Wellbore #1 - Actual	0.0	0.0	698.6			
George #123H - Wellbore #1 - Actual	19,180.3	19,212.0	1,445.4	970.8	3.045	SF
George #133H - Wellbore #1 - State Plan #1	382.3	383.4	22.2	19.8	9.535	CC, ES
George #133H - Wellbore #1 - State Plan #1	19,180.3	19,300.8	1,335.0	831.2	2.650	SF
Kathy Gregor						
Kathy Gregor Fed Com #114H - Wellbore #1 - BLM Plan	1,500.0	1,502.0	85.8	75.5	8.329	CC, ES
Kathy Gregor Fed Com #114H - Wellbore #1 - BLM Plan	1,800.0	1,795.8	93.2	80.9	7.582	SF
Kathy Gregor Fed Com #134H - Wellbore #1 - BLM Plan	1,000.0	1,002.0	114.5	107.7	17.042	CC
Kathy Gregor Fed Com #134H - Wellbore #1 - BLM Plan	1,100.0	1,100.7	115.0	107.6	15.511	ES
Kathy Gregor Fed Com #134H - Wellbore #1 - BLM Plan	7,400.0	7,390.9	219.6	163.7	3.926	SF

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well George #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3004.5usft
Reference Site:	George	MD Reference:	KB @ 3004.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

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						
Ken Wilson						
Ken Wilson #112H - Wellbore #1 - State Plan #1	1,500.0	1,510.0	2,240.6	2,230.2	216.912	CC
Ken Wilson #112H - Wellbore #1 - State Plan #1	1,600.0	1,590.0	2,241.2	2,230.2	204.459	ES
Ken Wilson #112H - Wellbore #1 - State Plan #1	19,180.3	17,618.8	3,087.9	2,640.8	6.906	SF
Ken Wilson #122H - Wellbore #1 - State Plan #1	1,500.0	1,490.0	2,246.0	2,235.8	218.960	CC
Ken Wilson #122H - Wellbore #1 - State Plan #1	1,600.0	1,600.0	2,246.4	2,235.4	204.486	ES
Ken Wilson #122H - Wellbore #1 - State Plan #1	19,180.3	18,567.4	2,735.6	2,237.4	5.491	SF
Ken Wilson #132H - Wellbore #1 - State Plan #1	8,576.6	8,647.3	2,570.6	2,507.6	40.770	CC
Ken Wilson #132H - Wellbore #1 - State Plan #1	19,180.3	19,189.8	2,662.1	2,150.5	5.203	ES, SF
Non-Op Rustler Breaks Wells						
Willow Lake '15' #1 - Wellbore #1 - Design #1	15,874.7	5,714.4	196.7	2.0	1.011	Level 2, CC
Willow Lake '15' #1 - Wellbore #1 - Design #1	15,900.0	5,714.1	198.3	1.7	1.008	Level 2, ES, SF
Tiger						
Tiger #124H - Wellbore #1 - Final Survey	6,868.0	6,820.7	392.5	342.2	7.790	CC
Tiger #124H - Wellbore #1 - Final Survey	6,900.0	6,849.4	392.7	342.1	7.756	ES
Tiger #124H - Wellbore #1 - Final Survey	13,500.0	12,709.4	581.4	452.8	4.521	SF
Tiger #204H - Wellbore #1 - Final Survey	8,409.7	8,367.6	62.2	1.6	1.027	Level 2, CC, ES, SF
Tiger #224H - Wellbore #1 - Final Survey	7,638.4	7,590.4	407.7	351.9	7.308	CC
Tiger #224H - Wellbore #1 - Final Survey	8,350.0	8,310.2	410.5	350.0	6.790	ES
Tiger #224H - Wellbore #1 - Final Survey	8,400.0	8,357.7	410.8	350.2	6.776	SF
Tiger #227H - Wellbore #1 - Final Survey	6,695.0	6,671.0	261.5	211.4	5.218	CC
Tiger #227H - Wellbore #1 - Final Survey	6,800.0	6,775.7	261.8	211.0	5.154	ES
Tiger #227H - Wellbore #1 - Final Survey	7,000.0	6,968.2	265.3	213.3	5.103	SF

Offset Design		Dr Ellis - Dr Ellis #113H - Wellbore #1 - State Plan #1										Offset Site Error:		0.0 usft
Survey Program:		O-MWD										Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation		Separation Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
0.0	0.0	3.0	-3.0	0.0	0.0	46.03	537.5	557.1	774.1					
100.0	100.0	103.0	97.0	0.1	0.1	46.03	537.5	557.1	774.1	773.8	0.27	2,898.633		
200.0	200.0	203.0	197.0	0.5	0.5	46.03	537.5	557.1	774.1	773.1	0.98	786.697		
300.0	300.0	303.0	297.0	0.8	0.9	46.03	537.5	557.1	774.1	772.4	1.70	455.107		
400.0	400.0	403.0	397.0	1.2	1.2	46.03	537.5	557.1	774.1	771.7	2.42	320.161		
500.0	500.0	503.0	497.0	1.6	1.6	46.03	537.5	557.1	774.1	771.0	3.13	246.939		
600.0	600.0	603.0	597.0	1.9	1.9	46.03	537.5	557.1	774.1	770.3	3.85	200.976		
700.0	700.0	703.0	697.0	2.3	2.3	46.03	537.5	557.1	774.1	769.5	4.57	169.438		
800.0	800.0	803.0	797.0	2.6	2.6	46.03	537.5	557.1	774.1	768.8	5.29	146.455		
900.0	900.0	903.0	897.0	3.0	3.0	46.03	537.5	557.1	774.1	768.1	6.00	128.963		
1,000.0	1,000.0	997.0	997.0	3.4	3.3	46.03	537.5	557.1	774.1	767.4	6.70	115.573	CC, ES	
1,100.0	1,100.0	1,077.6	1,077.6	3.7	3.6	46.00	538.4	557.5	775.3	768.0	7.34	105.572		
1,200.0	1,200.0	1,157.5	1,157.4	4.1	3.9	45.91	541.4	558.8	779.1	771.1	7.98	97.587		
1,300.0	1,300.0	1,237.1	1,236.9	4.4	4.2	45.75	546.5	561.0	785.5	776.9	8.62	91.150		
1,400.0	1,400.0	1,316.4	1,315.8	4.8	4.5	45.54	553.5	564.1	794.4	785.2	9.24	85.935		
1,500.0	1,500.0	1,406.1	1,392.7	5.1	4.8	45.28	562.3	567.9	805.9	796.0	9.90	81.403		
1,600.0	1,600.0	1,507.1	1,490.7	5.5	5.2	-74.76	574.9	573.4	818.4	807.8	10.60	77.180		
1,700.0	1,699.8	1,591.7	1,588.6	5.8	5.5	-75.22	587.5	578.9	830.1	818.9	11.24	73.845		
1,800.0	1,799.5	1,709.8	1,686.1	6.2	6.0	-75.91	600.1	584.3	841.1	829.1	12.01	70.047		
1,900.0	1,898.7	1,788.3	1,783.3	6.5	6.3	-76.81	612.6	589.8	851.5	838.8	12.64	67.371		
2,000.0	1,997.7	1,886.2	1,880.2	6.9	6.7	-77.99	625.1	595.2	861.8	848.5	13.35	64.553		

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

Matador Production Company

Rustler Breaks

George

George #134H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

09 May, 2023

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

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

Site	George					
Site Position:		Northing:	441,965.89 usft	Latitude:	32° 12' 53.146 N	
From:	Lat/Long	Easting:	587,768.45 usft	Longitude:	104° 2' 58.349 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	George #134H					
Well Position	+N/-S	-456.9 usft	Northing:	441,509.00 usft	Latitude:	32° 12' 48.638 N
	+E/-W	-528.5 usft	Easting:	587,240.00 usft	Longitude:	104° 3' 4.515 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,976.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/9/2023	6.54	59.90	47,280.83522175

Design	State Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	267.72

Plan Survey Tool Program		Date	5/9/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,180.3	State Plan #1 (Wellbore #1)	MWD	
			OWSG MWD - Standard		

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State 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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,900.0	8.00	119.81	1,898.7	-13.9	24.2	2.00	2.00	0.00	119.81	
7,345.3	8.00	119.81	7,291.1	-390.5	681.8	0.00	0.00	0.00	0.00	
7,878.7	0.00	0.00	7,822.7	-409.0	714.0	1.50	-1.50	0.00	180.00	
8,203.0	0.00	0.00	8,147.0	-409.0	714.0	0.00	0.00	0.00	0.00	VP - George #134H
9,103.0	90.00	270.44	8,720.0	-404.6	141.1	10.00	10.00	0.00	270.44	
9,118.8	90.00	270.12	8,720.0	-404.5	125.3	2.00	0.00	-2.00	-90.04	
14,942.5	90.00	270.12	8,720.0	-392.0	-5,698.4	0.00	0.00	0.00	0.00	T1 - George #134H
15,174.5	90.00	260.85	8,720.0	-410.2	-5,929.4	4.00	0.00	-4.00	-90.00	
15,971.4	90.00	260.85	8,720.0	-537.0	-6,716.1	0.00	0.00	0.00	0.00	T2 - George #134H
16,505.1	90.00	282.20	8,720.0	-522.9	-7,246.6	4.00	0.00	4.00	90.00	
16,997.5	90.00	282.20	8,720.0	-418.9	-7,727.8	0.00	0.00	0.00	0.00	T3 - George #134H
17,423.7	90.00	269.41	8,720.0	-375.9	-8,151.0	3.00	0.00	-3.00	-90.00	
19,180.3	90.00	269.41	8,720.0	-394.0	-9,907.5	0.00	0.00	0.00	0.00	BHL - George #134H

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
314.8	0.00	0.00	314.8	0.0	0.0	0.0	0.00	0.00	0.00
Z (Salado)									
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,035.1	0.00	0.00	1,035.1	0.0	0.0	0.0	0.00	0.00	0.00
Z (Castile (T))									
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
1,600.0	2.00	119.81	1,600.0	-0.9	1.5	-1.5	2.00	2.00	0.00
1,700.0	4.00	119.81	1,699.8	-3.5	6.1	-5.9	2.00	2.00	0.00
1,800.0	6.00	119.81	1,799.5	-7.8	13.6	-13.3	2.00	2.00	0.00
1,900.0	8.00	119.81	1,898.7	-13.9	24.2	-23.6	2.00	2.00	0.00
Start 5445.3 hold at 1900.0 MD									
2,000.0	8.00	119.81	1,997.7	-20.8	36.3	-35.4	0.00	0.00	0.00
2,100.0	8.00	119.81	2,096.8	-27.7	48.3	-47.2	0.00	0.00	0.00
2,200.0	8.00	119.81	2,195.8	-34.6	60.4	-59.0	0.00	0.00	0.00
2,300.0	8.00	119.81	2,294.8	-41.5	72.5	-70.8	0.00	0.00	0.00
2,400.0	8.00	119.81	2,393.8	-48.4	84.6	-82.6	0.00	0.00	0.00
2,500.0	8.00	119.81	2,492.9	-55.4	96.6	-94.4	0.00	0.00	0.00
2,600.0	8.00	119.81	2,591.9	-62.3	108.7	-106.2	0.00	0.00	0.00
2,660.2	8.00	119.81	2,651.5	-66.4	116.0	-113.3	0.00	0.00	0.00
Z (G30:CS14-CSB)									
2,688.0	8.00	119.81	2,679.0	-68.4	119.4	-116.5	0.00	0.00	0.00
Z (G26: Bell Cyn.)									
2,700.0	8.00	119.81	2,690.9	-69.2	120.8	-118.0	0.00	0.00	0.00
2,800.0	8.00	119.81	2,789.9	-76.1	132.9	-129.7	0.00	0.00	0.00
2,900.0	8.00	119.81	2,889.0	-83.0	145.0	-141.5	0.00	0.00	0.00
3,000.0	8.00	119.81	2,988.0	-90.0	157.0	-153.3	0.00	0.00	0.00
3,100.0	8.00	119.81	3,087.0	-96.9	169.1	-165.1	0.00	0.00	0.00
3,200.0	8.00	119.81	3,186.1	-103.8	181.2	-176.9	0.00	0.00	0.00
3,300.0	8.00	119.81	3,285.1	-110.7	193.3	-188.7	0.00	0.00	0.00
3,400.0	8.00	119.81	3,384.1	-117.6	205.3	-200.5	0.00	0.00	0.00
3,500.0	8.00	119.81	3,483.1	-124.5	217.4	-212.3	0.00	0.00	0.00
3,600.0	8.00	119.81	3,582.2	-131.5	229.5	-224.1	0.00	0.00	0.00
3,621.6	8.00	119.81	3,603.6	-133.0	232.1	-226.6	0.00	0.00	0.00
Z (G13: Cherry Cyn.)									
3,700.0	8.00	119.81	3,681.2	-138.4	241.6	-235.9	0.00	0.00	0.00
3,800.0	8.00	119.81	3,780.2	-145.3	253.6	-247.7	0.00	0.00	0.00
3,900.0	8.00	119.81	3,879.2	-152.2	265.7	-259.5	0.00	0.00	0.00
4,000.0	8.00	119.81	3,978.3	-159.1	277.8	-271.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,100.0	8.00	119.81	4,077.3	-166.0	289.9	-283.0	0.00	0.00	0.00
4,200.0	8.00	119.81	4,176.3	-173.0	301.9	-294.8	0.00	0.00	0.00
4,300.0	8.00	119.81	4,275.3	-179.9	314.0	-306.6	0.00	0.00	0.00
4,400.0	8.00	119.81	4,374.4	-186.8	326.1	-318.4	0.00	0.00	0.00
4,500.0	8.00	119.81	4,473.4	-193.7	338.2	-330.2	0.00	0.00	0.00
4,600.0	8.00	119.81	4,572.4	-200.6	350.3	-342.0	0.00	0.00	0.00
4,700.0	8.00	119.81	4,671.5	-207.6	362.3	-353.8	0.00	0.00	0.00
4,725.1	8.00	119.81	4,696.3	-209.3	365.4	-356.7	0.00	0.00	0.00
Z (G7: Brushy Cyn.)									
4,800.0	8.00	119.81	4,770.5	-214.5	374.4	-365.6	0.00	0.00	0.00
4,900.0	8.00	119.81	4,869.5	-221.4	386.5	-377.4	0.00	0.00	0.00
5,000.0	8.00	119.81	4,968.5	-228.3	398.6	-389.2	0.00	0.00	0.00
5,100.0	8.00	119.81	5,067.6	-235.2	410.6	-401.0	0.00	0.00	0.00
5,200.0	8.00	119.81	5,166.6	-242.1	422.7	-412.8	0.00	0.00	0.00
5,300.0	8.00	119.81	5,265.6	-249.1	434.8	-424.5	0.00	0.00	0.00
5,400.0	8.00	119.81	5,364.6	-256.0	446.9	-436.3	0.00	0.00	0.00
5,500.0	8.00	119.81	5,463.7	-262.9	458.9	-448.1	0.00	0.00	0.00
5,600.0	8.00	119.81	5,562.7	-269.8	471.0	-459.9	0.00	0.00	0.00
5,700.0	8.00	119.81	5,661.7	-276.7	483.1	-471.7	0.00	0.00	0.00
5,800.0	8.00	119.81	5,760.7	-283.6	495.2	-483.5	0.00	0.00	0.00
5,900.0	8.00	119.81	5,859.8	-290.6	507.2	-495.3	0.00	0.00	0.00
6,000.0	8.00	119.81	5,958.8	-297.5	519.3	-507.1	0.00	0.00	0.00
6,100.0	8.00	119.81	6,057.8	-304.4	531.4	-518.9	0.00	0.00	0.00
6,200.0	8.00	119.81	6,156.9	-311.3	543.5	-530.7	0.00	0.00	0.00
6,300.0	8.00	119.81	6,255.9	-318.2	555.5	-542.5	0.00	0.00	0.00
6,397.8	8.00	119.81	6,352.7	-325.0	567.4	-554.0	0.00	0.00	0.00
Z (G4: BSGI (CS9))									
6,400.0	8.00	119.81	6,354.9	-325.2	567.6	-554.3	0.00	0.00	0.00
6,500.0	8.00	119.81	6,453.9	-332.1	579.7	-566.1	0.00	0.00	0.00
6,600.0	8.00	119.81	6,553.0	-339.0	591.8	-577.8	0.00	0.00	0.00
6,700.0	8.00	119.81	6,652.0	-345.9	603.9	-589.6	0.00	0.00	0.00
6,716.2	8.00	119.81	6,668.0	-347.0	605.8	-591.5	0.00	0.00	0.00
Z (L8.2: U. Avalon Shale)									
6,800.0	8.00	119.81	6,751.0	-352.8	615.9	-601.4	0.00	0.00	0.00
6,900.0	8.00	119.81	6,850.0	-359.7	628.0	-613.2	0.00	0.00	0.00
6,913.1	8.00	119.81	6,863.1	-360.7	629.6	-614.8	0.00	0.00	0.00
Z (L6.3: Avalon Carb)									
6,977.1	8.00	119.81	6,926.4	-365.1	637.3	-622.3	0.00	0.00	0.00
Z (L6.2: L Avalon Shale)									
7,000.0	8.00	119.81	6,949.1	-366.7	640.1	-625.0	0.00	0.00	0.00
7,100.0	8.00	119.81	7,048.1	-373.6	652.2	-636.8	0.00	0.00	0.00
7,135.4	8.00	119.81	7,083.2	-376.0	656.4	-641.0	0.00	0.00	0.00
Z (L5.3: FBSC)									
7,200.0	8.00	119.81	7,147.1	-380.5	664.2	-648.6	0.00	0.00	0.00
7,300.0	8.00	119.81	7,246.1	-387.4	676.3	-660.4	0.00	0.00	0.00
7,344.1	8.00	119.81	7,289.8	-390.5	681.6	-665.6	0.00	0.00	0.00
Z (L5.1: FBSC)									
7,345.3	8.00	119.81	7,291.1	-390.5	681.8	-665.7	0.00	0.00	0.00
Start Drop -1.50									
7,400.0	7.18	119.81	7,345.2	-394.1	688.1	-671.8	1.50	-1.50	0.00
7,500.0	5.68	119.81	7,444.6	-399.7	697.8	-681.3	1.50	-1.50	0.00
7,600.0	4.18	119.81	7,544.2	-404.0	705.2	-688.6	1.50	-1.50	0.00
7,620.3	3.88	119.81	7,564.5	-404.7	706.5	-689.8	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State 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)	
Z (L4.3: SBSC)										
7,700.0	2.68	119.81	7,644.0	-406.9	710.4	-693.7	1.50	-1.50	0.00	
7,800.0	1.18	119.81	7,744.0	-408.6	713.3	-696.5	1.50	-1.50	0.00	
7,878.7	0.00	0.00	7,822.7	-409.0	714.0	-697.2	1.50	-1.50	0.00	
Start 324.3 hold at 7878.7 MD										
7,900.0	0.00	0.00	7,844.0	-409.0	714.0	-697.2	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,944.0	-409.0	714.0	-697.2	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,044.0	-409.0	714.0	-697.2	0.00	0.00	0.00	
8,140.3	0.00	0.00	8,084.3	-409.0	714.0	-697.2	0.00	0.00	0.00	
Z (L4.1: SBSG)										
8,203.0	0.00	0.00	8,147.0	-409.0	714.0	-697.2	0.00	0.00	0.00	
Start Build 10.00 - VP - George #134H										
8,250.0	4.70	270.44	8,193.9	-409.0	712.1	-695.3	10.00	10.00	0.00	
8,300.0	9.70	270.44	8,243.5	-409.0	705.9	-689.1	10.00	10.00	0.00	
8,350.0	14.70	270.44	8,292.4	-408.9	695.3	-678.5	10.00	10.00	0.00	
8,400.0	19.70	270.44	8,340.1	-408.8	680.5	-663.7	10.00	10.00	0.00	
8,428.3	22.53	270.44	8,366.5	-408.7	670.3	-653.6	10.00	10.00	0.00	
Z (L4.1: SBSG C)										
8,450.0	24.70	270.44	8,386.4	-408.6	661.6	-644.9	10.00	10.00	0.00	
8,500.0	29.70	270.44	8,430.9	-408.4	638.8	-622.1	10.00	10.00	0.00	
8,550.0	34.70	270.44	8,473.2	-408.2	612.2	-595.5	10.00	10.00	0.00	
8,575.0	37.20	270.44	8,493.4	-408.1	597.5	-580.8	10.00	10.00	0.00	
Z (L3.3: TBSC)										
8,600.0	39.70	270.44	8,513.0	-408.0	581.9	-565.3	10.00	10.00	0.00	
8,650.0	44.70	270.44	8,550.0	-407.8	548.4	-531.7	10.00	10.00	0.00	
8,680.3	47.73	270.44	8,570.9	-407.6	526.5	-509.9	10.00	10.00	0.00	
FTP - George #134H										
8,700.0	49.70	270.44	8,584.0	-407.5	511.7	-495.1	10.00	10.00	0.00	
8,750.0	54.70	270.44	8,614.6	-407.2	472.2	-455.7	10.00	10.00	0.00	
8,800.0	59.70	270.44	8,641.7	-406.8	430.2	-413.7	10.00	10.00	0.00	
8,850.0	64.70	270.44	8,665.0	-406.5	386.0	-369.5	10.00	10.00	0.00	
8,900.0	69.70	270.44	8,684.4	-406.2	339.9	-323.5	10.00	10.00	0.00	
8,950.0	74.70	270.44	8,699.6	-405.8	292.3	-276.0	10.00	10.00	0.00	
9,000.0	79.70	270.44	8,710.7	-405.4	243.6	-227.3	10.00	10.00	0.00	
9,050.0	84.70	270.44	8,717.5	-405.0	194.1	-177.8	10.00	10.00	0.00	
9,103.0	90.00	270.44	8,720.0	-404.6	141.1	-124.9	10.00	10.00	0.00	
Start DLS 2.00 TFO -90.04										
9,118.8	90.00	270.12	8,720.0	-404.5	125.3	-109.1	2.00	0.00	-2.00	
Start 5823.7 hold at 9118.8 MD										
9,200.0	90.00	270.12	8,720.0	-404.4	44.1	-28.0	0.00	0.00	0.00	
9,300.0	90.00	270.12	8,720.0	-404.2	-55.9	71.9	0.00	0.00	0.00	
9,400.0	90.00	270.12	8,720.0	-403.9	-155.9	171.8	0.00	0.00	0.00	
9,500.0	90.00	270.12	8,720.0	-403.7	-255.9	271.7	0.00	0.00	0.00	
9,600.0	90.00	270.12	8,720.0	-403.5	-355.9	371.6	0.00	0.00	0.00	
9,700.0	90.00	270.12	8,720.0	-403.3	-455.9	471.5	0.00	0.00	0.00	
9,800.0	90.00	270.12	8,720.0	-403.1	-555.9	571.4	0.00	0.00	0.00	
9,900.0	90.00	270.12	8,720.0	-402.9	-655.9	671.4	0.00	0.00	0.00	
10,000.0	90.00	270.12	8,720.0	-402.6	-755.9	771.3	0.00	0.00	0.00	
10,100.0	90.00	270.12	8,720.0	-402.4	-855.9	871.2	0.00	0.00	0.00	
10,200.0	90.00	270.12	8,720.0	-402.2	-955.9	971.1	0.00	0.00	0.00	
10,300.0	90.00	270.12	8,720.0	-402.0	-1,055.9	1,071.0	0.00	0.00	0.00	
10,400.0	90.00	270.12	8,720.0	-401.8	-1,155.9	1,170.9	0.00	0.00	0.00	
10,500.0	90.00	270.12	8,720.0	-401.6	-1,255.9	1,270.8	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State 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)	
10,600.0	90.00	270.12	8,720.0	-401.4	-1,355.9	1,370.7	0.00	0.00	0.00	
10,700.0	90.00	270.12	8,720.0	-401.1	-1,455.9	1,470.7	0.00	0.00	0.00	
10,800.0	90.00	270.12	8,720.0	-400.9	-1,555.9	1,570.6	0.00	0.00	0.00	
10,900.0	90.00	270.12	8,720.0	-400.7	-1,655.9	1,670.5	0.00	0.00	0.00	
11,000.0	90.00	270.12	8,720.0	-400.5	-1,755.9	1,770.4	0.00	0.00	0.00	
11,100.0	90.00	270.12	8,720.0	-400.3	-1,855.9	1,870.3	0.00	0.00	0.00	
11,200.0	90.00	270.12	8,720.0	-400.1	-1,955.9	1,970.2	0.00	0.00	0.00	
11,300.0	90.00	270.12	8,720.0	-399.8	-2,055.9	2,070.1	0.00	0.00	0.00	
11,400.0	90.00	270.12	8,720.0	-399.6	-2,155.9	2,170.0	0.00	0.00	0.00	
11,500.0	90.00	270.12	8,720.0	-399.4	-2,255.9	2,270.0	0.00	0.00	0.00	
11,600.0	90.00	270.12	8,720.0	-399.2	-2,355.9	2,369.9	0.00	0.00	0.00	
11,700.0	90.00	270.12	8,720.0	-399.0	-2,455.9	2,469.8	0.00	0.00	0.00	
11,800.0	90.00	270.12	8,720.0	-398.8	-2,555.9	2,569.7	0.00	0.00	0.00	
11,900.0	90.00	270.12	8,720.0	-398.5	-2,655.9	2,669.6	0.00	0.00	0.00	
12,000.0	90.00	270.12	8,720.0	-398.3	-2,755.9	2,769.5	0.00	0.00	0.00	
12,100.0	90.00	270.12	8,720.0	-398.1	-2,855.9	2,869.4	0.00	0.00	0.00	
12,200.0	90.00	270.12	8,720.0	-397.9	-2,955.9	2,969.3	0.00	0.00	0.00	
12,300.0	90.00	270.12	8,720.0	-397.7	-3,055.9	3,069.3	0.00	0.00	0.00	
12,400.0	90.00	270.12	8,720.0	-397.5	-3,155.9	3,169.2	0.00	0.00	0.00	
12,500.0	90.00	270.12	8,720.0	-397.3	-3,255.9	3,269.1	0.00	0.00	0.00	
12,600.0	90.00	270.12	8,720.0	-397.0	-3,355.9	3,369.0	0.00	0.00	0.00	
12,700.0	90.00	270.12	8,720.0	-396.8	-3,455.9	3,468.9	0.00	0.00	0.00	
12,800.0	90.00	270.12	8,720.0	-396.6	-3,555.9	3,568.8	0.00	0.00	0.00	
12,900.0	90.00	270.12	8,720.0	-396.4	-3,655.9	3,668.7	0.00	0.00	0.00	
13,000.0	90.00	270.12	8,720.0	-396.2	-3,755.9	3,768.6	0.00	0.00	0.00	
13,100.0	90.00	270.12	8,720.0	-396.0	-3,855.9	3,868.6	0.00	0.00	0.00	
13,200.0	90.00	270.12	8,720.0	-395.7	-3,955.9	3,968.5	0.00	0.00	0.00	
13,300.0	90.00	270.12	8,720.0	-395.5	-4,055.9	4,068.4	0.00	0.00	0.00	
13,400.0	90.00	270.12	8,720.0	-395.3	-4,155.9	4,168.3	0.00	0.00	0.00	
13,500.0	90.00	270.12	8,720.0	-395.1	-4,255.9	4,268.2	0.00	0.00	0.00	
13,600.0	90.00	270.12	8,720.0	-394.9	-4,355.9	4,368.1	0.00	0.00	0.00	
13,700.0	90.00	270.12	8,720.0	-394.7	-4,455.9	4,468.0	0.00	0.00	0.00	
13,800.0	90.00	270.12	8,720.0	-394.4	-4,555.9	4,567.9	0.00	0.00	0.00	
13,900.0	90.00	270.12	8,720.0	-394.2	-4,655.9	4,667.8	0.00	0.00	0.00	
14,000.0	90.00	270.12	8,720.0	-394.0	-4,755.9	4,767.8	0.00	0.00	0.00	
14,100.0	90.00	270.12	8,720.0	-393.8	-4,855.9	4,867.7	0.00	0.00	0.00	
14,200.0	90.00	270.12	8,720.0	-393.6	-4,955.9	4,967.6	0.00	0.00	0.00	
14,300.0	90.00	270.12	8,720.0	-393.4	-5,055.9	5,067.5	0.00	0.00	0.00	
14,400.0	90.00	270.12	8,720.0	-393.1	-5,155.9	5,167.4	0.00	0.00	0.00	
14,500.0	90.00	270.12	8,720.0	-392.9	-5,255.9	5,267.3	0.00	0.00	0.00	
14,600.0	90.00	270.12	8,720.0	-392.7	-5,355.9	5,367.2	0.00	0.00	0.00	
14,700.0	90.00	270.12	8,720.0	-392.5	-5,455.9	5,467.1	0.00	0.00	0.00	
14,800.0	90.00	270.12	8,720.0	-392.3	-5,555.9	5,567.1	0.00	0.00	0.00	
14,900.0	90.00	270.12	8,720.0	-392.1	-5,655.9	5,667.0	0.00	0.00	0.00	
14,942.5	90.00	270.12	8,720.0	-392.0	-5,698.4	5,709.5	0.00	0.00	0.00	
Start DLS 4.00 TFO -90.00 - T1 - George #134H										
15,000.0	90.00	267.83	8,720.0	-393.0	-5,755.8	5,766.9	4.00	0.00	-4.00	
15,100.0	90.00	263.83	8,720.0	-400.3	-5,855.6	5,866.8	4.00	0.00	-4.00	
15,174.5	90.00	260.85	8,720.0	-410.2	-5,929.4	5,941.0	4.00	0.00	-4.00	
Start 796.9 hold at 15174.5 MD										
15,200.0	90.00	260.85	8,720.0	-414.3	-5,954.6	5,966.3	0.00	0.00	0.00	
15,300.0	90.00	260.85	8,720.0	-430.2	-6,053.3	6,065.6	0.00	0.00	0.00	
15,400.0	90.00	260.85	8,720.0	-446.1	-6,152.0	6,164.9	0.00	0.00	0.00	
15,500.0	90.00	260.85	8,720.0	-462.0	-6,250.7	6,264.2	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,600.0	90.00	260.85	8,720.0	-477.9	-6,349.5	6,363.4	0.00	0.00	0.00	
15,700.0	90.00	260.85	8,720.0	-493.8	-6,448.2	6,462.7	0.00	0.00	0.00	
15,800.0	90.00	260.85	8,720.0	-509.7	-6,546.9	6,562.0	0.00	0.00	0.00	
15,900.0	90.00	260.85	8,720.0	-525.6	-6,645.6	6,661.3	0.00	0.00	0.00	
15,971.4	90.00	260.85	8,720.0	-537.0	-6,716.1	6,732.1	0.00	0.00	0.00	
Start DLS 4.00 TFO 90.00 - T2 - George #134H										
16,000.0	90.00	261.99	8,720.0	-541.3	-6,744.4	6,760.6	4.00	0.00	4.00	
16,100.0	90.00	265.99	8,720.0	-551.7	-6,843.8	6,860.4	4.00	0.00	4.00	
16,200.0	90.00	269.99	8,720.0	-555.2	-6,943.8	6,960.3	4.00	0.00	4.00	
16,300.0	90.00	273.99	8,720.0	-551.8	-7,043.7	7,060.0	4.00	0.00	4.00	
16,400.0	90.00	277.99	8,720.0	-541.3	-7,143.1	7,159.0	4.00	0.00	4.00	
16,505.1	90.00	282.20	8,720.0	-522.9	-7,246.6	7,261.6	4.00	0.00	4.00	
Start 492.4 hold at 16505.1 MD										
16,600.0	90.00	282.20	8,720.0	-502.8	-7,339.3	7,353.5	0.00	0.00	0.00	
16,700.0	90.00	282.20	8,720.0	-481.7	-7,437.1	7,450.3	0.00	0.00	0.00	
16,800.0	90.00	282.20	8,720.0	-460.6	-7,534.8	7,547.2	0.00	0.00	0.00	
16,900.0	90.00	282.20	8,720.0	-439.5	-7,632.6	7,644.0	0.00	0.00	0.00	
16,997.5	90.00	282.20	8,720.0	-418.9	-7,727.8	7,738.4	0.00	0.00	0.00	
Start DLS 3.00 TFO -90.00 - T3 - George #134H										
17,000.0	90.00	282.12	8,720.0	-418.3	-7,730.3	7,740.8	3.00	0.00	-3.00	
17,100.0	90.00	279.12	8,720.0	-399.9	-7,828.6	7,838.3	3.00	0.00	-3.00	
17,200.0	90.00	276.12	8,720.0	-386.7	-7,927.7	7,936.8	3.00	0.00	-3.00	
17,300.0	90.00	273.12	8,720.0	-378.6	-8,027.3	8,036.0	3.00	0.00	-3.00	
17,400.0	90.00	270.12	8,720.0	-375.8	-8,127.3	8,135.8	3.00	0.00	-3.00	
17,423.7	90.00	269.41	8,720.0	-375.9	-8,151.0	8,159.5	3.00	0.00	-3.00	
Start 1756.6 hold at 17423.7 MD										
17,500.0	90.00	269.41	8,720.0	-376.7	-8,227.3	8,235.8	0.00	0.00	0.00	
17,600.0	90.00	269.41	8,720.0	-377.7	-8,327.3	8,335.7	0.00	0.00	0.00	
17,700.0	90.00	269.41	8,720.0	-378.7	-8,427.3	8,435.7	0.00	0.00	0.00	
17,800.0	90.00	269.41	8,720.0	-379.8	-8,527.3	8,535.6	0.00	0.00	0.00	
17,900.0	90.00	269.41	8,720.0	-380.8	-8,627.3	8,635.6	0.00	0.00	0.00	
18,000.0	90.00	269.41	8,720.0	-381.8	-8,727.3	8,735.5	0.00	0.00	0.00	
18,100.0	90.00	269.41	8,720.0	-382.9	-8,827.3	8,835.5	0.00	0.00	0.00	
18,200.0	90.00	269.41	8,720.0	-383.9	-8,927.3	8,935.5	0.00	0.00	0.00	
18,300.0	90.00	269.41	8,720.0	-384.9	-9,027.2	9,035.4	0.00	0.00	0.00	
18,400.0	90.00	269.41	8,720.0	-385.9	-9,127.2	9,135.4	0.00	0.00	0.00	
18,500.0	90.00	269.41	8,720.0	-387.0	-9,227.2	9,235.3	0.00	0.00	0.00	
18,600.0	90.00	269.41	8,720.0	-388.0	-9,327.2	9,335.3	0.00	0.00	0.00	
18,700.0	90.00	269.41	8,720.0	-389.0	-9,427.2	9,435.2	0.00	0.00	0.00	
18,800.0	90.00	269.41	8,720.0	-390.1	-9,527.2	9,535.2	0.00	0.00	0.00	
18,900.0	90.00	269.41	8,720.0	-391.1	-9,627.2	9,635.2	0.00	0.00	0.00	
19,000.0	90.00	269.41	8,720.0	-392.1	-9,727.2	9,735.1	0.00	0.00	0.00	
19,100.0	90.00	269.41	8,720.0	-393.2	-9,827.2	9,835.1	0.00	0.00	0.00	
19,180.3	90.00	269.41	8,720.0	-394.0	-9,907.5	9,915.3	0.00	0.00	0.00	
TD at 19180.3 - BHL - George #134H										

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - George #134H - plan hits target center - Point	0.00	0.01	8,147.0	-409.0	714.0	441,100.00	587,954.00	32° 12' 44.572 N	104° 2' 56.216 W
T2 - George #134H - plan hits target center - Point	0.00	0.01	8,720.0	-537.0	-6,716.1	440,972.00	580,523.71	32° 12' 43.492 N	104° 4' 22.708 W
T1 - George #134H - plan hits target center - Point	0.00	0.00	8,720.0	-392.0	-5,698.4	441,117.01	581,541.50	32° 12' 44.902 N	104° 4' 10.856 W
T3 - George #134H - plan hits target center - Point	0.00	0.00	8,720.0	-418.9	-7,727.8	441,090.10	579,511.92	32° 12' 44.685 N	104° 4' 34.481 W
FTP - George #134H - plan misses target center by 214.0usft at 8680.3usft MD (8570.9 TVD, -407.6 N, 526.5 E) - Point	0.00	0.00	8,720.0	-476.0	664.0	441,033.00	587,904.00	32° 12' 43.910 N	104° 2' 56.800 W
BHL - George #134H - plan hits target center - Point	0.00	0.00	8,720.0	-394.0	-9,907.5	441,115.00	577,332.00	32° 12' 44.982 N	104° 4' 59.855 W

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
314.8	314.8	Z (Salado)		0.00	270.44
1,035.1	1,035.1	Z (Castile (T))		0.00	270.44
2,660.2	2,651.5	Z (G30:CS14-CSB)		0.00	270.44
2,688.0	2,679.0	Z (G26: Bell Cyn.)		0.00	270.44
3,621.6	3,603.6	Z (G13: Cherry Cyn.)		0.00	270.44
4,725.1	4,696.3	Z (G7: Brushy Cyn.)		0.00	270.44
6,397.8	6,352.7	Z (G4: BSG (CS9))		0.00	270.44
6,716.2	6,668.0	Z (L8.2: U. Avalon Shale)		0.00	270.44
6,913.1	6,863.1	Z (L6.3: Avalon Carb)		0.00	270.44
6,977.1	6,926.4	Z (L6.2: L Avalon Shale)		0.00	270.44
7,135.4	7,083.2	Z (L5.3: FBSC)		0.00	270.44
7,344.1	7,289.8	Z (L5.1: FBSC)		0.00	270.44
7,620.3	7,564.5	Z (L4.3: SBSC)		0.00	270.44
8,140.3	8,084.3	Z (L4.1: SBSC)		0.00	270.44
8,428.3	8,366.5	Z (L4.1: SBSC C)		0.00	270.44
8,575.0	8,493.4	Z (L3.3: TBSC)		0.00	270.44

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well George #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3004.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3004.5usft
Site:	George	North Reference:	Grid
Well:	George #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
1,900.0	1,898.7	-13.9	24.2	Start 5445.3 hold at 1900.0 MD	
7,345.3	7,291.1	-390.5	681.8	Start Drop -1.50	
7,878.7	7,822.7	-409.0	714.0	Start 324.3 hold at 7878.7 MD	
8,203.0	8,147.0	-409.0	714.0	Start Build 10.00	
9,103.0	8,720.0	-404.6	141.1	Start DLS 2.00 TFO -90.04	
9,118.8	8,720.0	-404.5	125.3	Start 5823.7 hold at 9118.8 MD	
14,942.5	8,720.0	-392.0	-5,698.4	Start DLS 4.00 TFO -90.00	
15,174.5	8,720.0	-410.2	-5,929.4	Start 796.9 hold at 15174.5 MD	
15,971.4	8,720.0	-537.0	-6,716.1	Start DLS 4.00 TFO 90.00	
16,505.1	8,720.0	-522.9	-7,246.6	Start 492.4 hold at 16505.1 MD	
16,997.5	8,720.0	-418.9	-7,727.8	Start DLS 3.00 TFO -90.00	
17,423.7	8,720.0	-375.9	-8,151.0	Start 1756.6 hold at 17423.7 MD	
19,180.3	8,720.0	-394.0	-9,907.5	TD at 19180.3	

Addendum to Natural Gas Management Plan for Matador's
George 133H and 134H

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
George 133H	1,920	4,211	6,000
George 134H	1,920	4,211	6,000

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

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

Submit Electronically
Via E-permitting

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:** 01/13/2023

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
George 133H	TBD	P 14-24S-28E	1126' FSL 786' FEL	1,920	4,211	6,000
George 134H	TBD	P 14-24S-28E	1126' FSL 756' FEL	1,920	4,211	6,000

IV. Central Delivery Point Name: Tiger 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
George 133H	TBD	06/23/2023	07/08/2023	07/25/2023	08/25/2023	08/25/2023
George 134H	TBD	07/09/2023	07/24/2023	07/25/2023	08/25/2023	08/25/2023

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: 
Printed Name: Klint Franz
Title: Production Engineer
E-mail Address: klint.franz@matadorresources.com
Date: 01/12/2023
Phone: (972) 371-5200
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval: