

**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 365421

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 30-015-55123
4. Property Code 335944	5. Property Name PRATER 10 9 24S 28E RB	6. Well No. 124H

7. Surface Location									
UL - Lot L	Section 11	Township 24S	Range 28E	Lot Idn L	Feet From 1771	N/S Line S	Feet From 232	E/W Line W	County Eddy

8. Proposed Bottom Hole Location									
UL - Lot M	Section 9	Township 24S	Range 28E	Lot Idn M	Feet From 993	N/S Line S	Feet From 110	E/W Line W	County Eddy

9. Pool Information	
MALAGA;BONE SPRING, NORTH	42800

Additional Well Information				
11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2999
16. Multiple N	17. Proposed Depth 18541	18. Formation Bone Spring	19. Contractor	20. Spud Date 6/21/2024
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	550	950	0
Int1	9.875	7.625	29.7	7578	1851	0
Prod	6.75	5.5	20	18541	1185	7378

Casing/Cement Program: Additional Comments

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 <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.		OIL CONSERVATION DIVISION	
Signature:			
Printed Name:	Electronically filed by Brett A Jennings	Approved By:	Dean McClure
Title:	Regulatory Analyst	Title:	Petroleum Specialist - A
Email Address:	brett.jennings@matadorresources.com	Approved Date:	6/4/2024
Date:	5/14/2024	Phone:	972-629-2160
		Expiration Date: 6/4/2026	
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

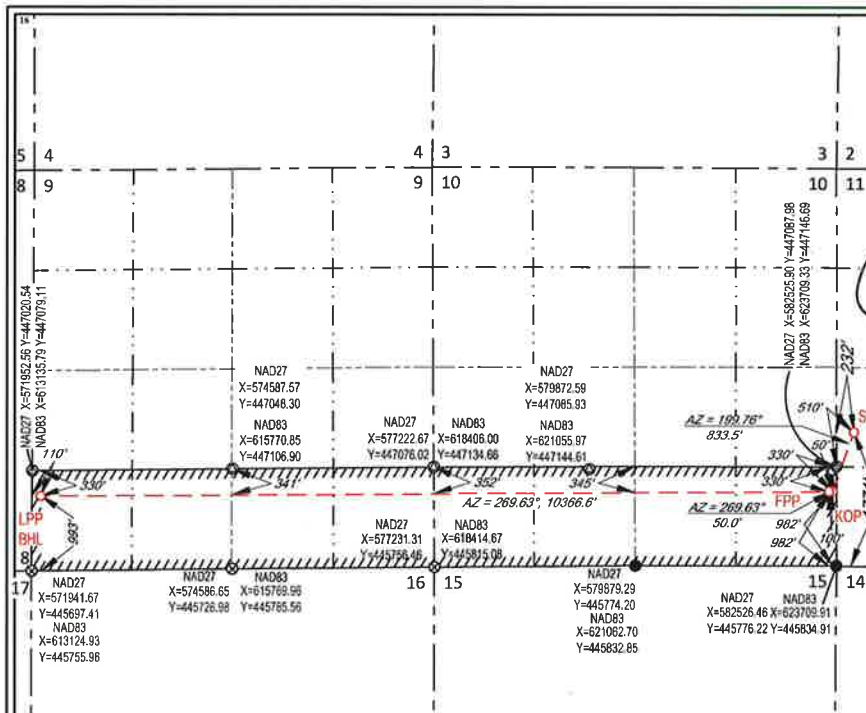
FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-55123		<sup>2</sup> Pool Code 42800		<sup>3</sup> Pool Name Malaga; Bone Spring, North	
<sup>4</sup> Property Code 335944		<sup>5</sup> Property Name PRATER 10&9-24S-28E RB			<sup>6</sup> Well Number 124H
<sup>7</sup> GRID No. 128937		<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY			<sup>9</sup> Elevation 2999'
<sup>10</sup> Surface Location					
UL or lot no. L	Section 11	Township 24-S	Range 28-E	Lot Idn -	Feet from the 1771'
					North/South line SOUTH
					Feet from the 232'
					East/West line WEST
					County EDDY
<sup>11</sup> Bottom Hole Location If Different From Surface					
UL or lot no. M	Section 9	Township 24-S	Range 28-E	Lot Idn -	Feet from the 993'
					North/South line SOUTH
					Feet from the 110'
					East/West line WEST
					County EDDY
<sup>12</sup> Dedicated Acres 320		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code	
				<sup>15</sup> Order No.	

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



NEW MEXICO EAST  
NAD 1983

SURFACE LOCATION (SHL)

1771' FSL - SEC. 11  
232' FWL - SEC. 11  
X=623941 Y=447601  
LAT.: N 32.2302493  
LONG.: W 104.0661902

KICK OFF POINT (KOP)

982' FSL - SEC. 10  
50' FEL - SEC. 10  
X=623659 Y=446817  
LAT.: N 32.2280949  
LONG.: W 104.0671076

FIRST PERF. POINT (FPP)

982' FSL - SEC. 10  
100' FEL - SEC. 10  
X=623609 Y=446816  
LAT.: N 32.2280943  
LONG.: W 104.0672693

LAST PERF. POINT (LPP)  
BOTTOM HOLE LOCATION (BHL)

993' FSL - SEC. 9  
110' FWL - SEC. 9  
X=613243 Y=446750  
LAT.: N 32.2279787  
LONG.: W 104.1007939

<sup>17</sup>OPERATOR  
CERTIFICATION

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

*Hanna Bollenbach* 9/17/23  
Signature Date  
Hanna Bollenbach  
Printed Name  
hanna.bollenbach@matadorresources.com  
E-mail Address

<sup>18</sup>SURVEYOR  
CERTIFICATION

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

05/20/2022

Date of Survey  
Signature and Seal of Professional Surveyor



Certificate Number

NEW MEXICO EAST  
NAD 1927

<u>SURFACE LOCATION (SHL)</u> X=582758 Y=447542 LAT.: N 32.2301277 LONG.: W 104.0650880	<u>KICK OFF POINT (KOP)</u> X=582076 Y=446758 LAT.: N 32.2279753 LONG.: W 104.0650154
<u>FIRST PERF. POINT (FPP)</u> X=582076 Y=446758 LAT.: N 32.2279753 LONG.: W 104.0650154	<u>LAST PERF. POINT (LPP)</u> X=572060 Y=446692 LAT.: N 32.2279753 LONG.: W 104.1003004

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 365421

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:		API Number:
MATADOR PRODUCTION COMPANY [228937]		30-015-55123
One Lincoln Centre		Well:
Dallas, TX 75240		PRATER 10 9 24S 28E RB #124H

OCD Reviewer	Condition
dmcclure	Notify OCD 24 hours prior to casing & cement
dmcclure	Will require a File As Drilled C-102 and a Directional Survey with the C-104
dmcclure	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
dmcclure	Cement is required to circulate on both surface and intermediate1 strings of casing
dmcclure	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
dmcclure	The Operator is to notify NMOCDC by sundry (Form C-103) within ten (10) days of the well being spud
dmcclure	If cement does not circulate on any string, a CBL is required for that string of casing

Well Name: Prater 10&9-24S-28E RB #124H

STRING	FLUID TYPE	HOLE SZ	CSG SZ	CSG GRADE	CSG WT	DEPTH SET	TOP CSG	TTL SX CEMENT	EST TOC	ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)
SURF	FRESH WTR	17.5	13.375	J-55	54.50	550	0	950	0	Option to drill surface hole with surface setting rig
INT 1	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	7578	0	1851	0	Option to run DV tool and Packer.
PROD	OBM/Cut Brine	6.75	5.5	P-110	20.00	18541	0	1185	7378	

# **Matador Production Company**

**Rustler Breaks**

**Prater**

**Prater #124H**

**Wellbore #1**

**Plan: State Plan #1**

## **Standard Planning Report**

**12 September, 2023**

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Prater #124H
Company:	Matador Production Company	TVD Reference:	KB @ 3027.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3027.5usft
Site:	Prater	North Reference:	Grid
Well:	Prater #124H	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	Prater				
Site Position:		Northing:	447,572.64 usft	Latitude:	32° 13' 48.760 N
From:	Lat/Long	Easting:	582,727.96 usft	Longitude:	104° 3' 56.859 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.14 °

Well	Prater #124H					
Well Position	+N/-S	-30.3 usft	Northing:	447,542.38 usft	Latitude:	32° 13' 48.460 N
	+E/-W	29.8 usft	Easting:	582,757.78 usft	Longitude:	104° 3' 56.513 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,999.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/12/2023	6.51	59.91	47,253.60550939

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	265.45

Plan Survey Tool Program	Date	9/12/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,540.9	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Prater #124H
Company:	Matador Production Company	TVD Reference:	KB @ 3027.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3027.5usft
Site:	Prater	North Reference:	Grid
Well:	Prater #124H	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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,796.5	7.97	199.76	1,793.9	-52.0	-18.7	1.00	1.00	0.00	199.76	
7,146.9	7.97	199.76	7,092.7	-749.8	-269.3	0.00	0.00	0.00	0.00	
7,677.9	0.00	0.00	7,622.0	-784.4	-281.8	1.50	-1.50	0.00	180.00	KOP - Prater #124H
8,577.9	90.00	269.63	8,195.0	-788.1	-854.7	10.00	10.00	0.00	269.63	
12,048.3	90.00	269.63	8,195.0	-810.6	-4,325.1	0.00	0.00	0.00	0.00	
12,694.8	90.00	239.47	8,195.0	-980.8	-4,941.0	4.66	0.00	-4.66	-90.01	
13,341.3	90.00	269.63	8,195.0	-1,151.0	-5,557.0	4.66	0.00	4.66	89.99	
13,970.7	90.00	300.77	8,195.0	-988.0	-6,157.0	4.95	0.00	4.95	90.00	
14,600.2	90.00	269.63	8,195.0	-825.0	-6,757.0	4.95	0.00	-4.95	-90.00	
18,540.9	90.00	269.63	8,195.0	-850.4	-10,697.6	0.00	0.00	0.00	0.00	BHL- Prater #124H

## Planning Report

<b>Database:</b>	EDM 5000.14 Server	<b>Local Co-ordinate Reference:</b>	Well Prater #124H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3027.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3027.5usft
<b>Site:</b>	Prater	<b>North Reference:</b>	Grid
<b>Well:</b>	Prater #124H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
78.0	0.00	0.00	78.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Salado</b>									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 1.00</b>									
1,039.4	0.39	199.76	1,039.4	-0.1	0.0	0.1	1.00	1.00	0.00
<b>Castile</b>									
1,100.0	1.00	199.76	1,100.0	-0.8	-0.3	0.4	1.00	1.00	0.00
1,200.0	2.00	199.76	1,200.0	-3.3	-1.2	1.4	1.00	1.00	0.00
1,300.0	3.00	199.76	1,299.9	-7.4	-2.7	3.2	1.00	1.00	0.00
1,400.0	4.00	199.76	1,399.7	-13.1	-4.7	5.7	1.00	1.00	0.00
1,500.0	5.00	199.76	1,499.4	-20.5	-7.4	9.0	1.00	1.00	0.00
1,600.0	6.00	199.76	1,598.9	-29.5	-10.6	12.9	1.00	1.00	0.00
1,700.0	7.00	199.76	1,698.3	-40.2	-14.4	17.6	1.00	1.00	0.00
1,796.5	7.97	199.76	1,793.9	-52.0	-18.7	22.8	1.00	1.00	0.00
<b>Start 5350.4 hold at 1796.5 MD</b>									
1,800.0	7.97	199.76	1,797.4	-52.5	-18.9	23.0	0.00	0.00	0.00
1,900.0	7.97	199.76	1,896.4	-65.5	-23.5	28.7	0.00	0.00	0.00
2,000.0	7.97	199.76	1,995.5	-78.6	-28.2	34.4	0.00	0.00	0.00
2,100.0	7.97	199.76	2,094.5	-91.6	-32.9	40.1	0.00	0.00	0.00
2,200.0	7.97	199.76	2,193.5	-104.6	-37.6	45.8	0.00	0.00	0.00
2,300.0	7.97	199.76	2,292.6	-117.7	-42.3	51.5	0.00	0.00	0.00
2,400.0	7.97	199.76	2,391.6	-130.7	-47.0	57.2	0.00	0.00	0.00
2,500.0	7.97	199.76	2,490.7	-143.8	-51.6	62.9	0.00	0.00	0.00
2,581.2	7.97	199.76	2,571.1	-154.4	-55.4	67.5	0.00	0.00	0.00
<b>G30:CS14-CSB</b>									
2,600.0	7.97	199.76	2,589.7	-156.8	-56.3	68.6	0.00	0.00	0.00
2,605.0	7.97	199.76	2,594.6	-157.5	-56.6	68.9	0.00	0.00	0.00
<b>G26: Bell Cyn.</b>									
2,700.0	7.97	199.76	2,688.7	-169.8	-61.0	74.3	0.00	0.00	0.00
2,800.0	7.97	199.76	2,787.8	-182.9	-65.7	80.0	0.00	0.00	0.00
2,900.0	7.97	199.76	2,886.8	-195.9	-70.4	85.7	0.00	0.00	0.00
3,000.0	7.97	199.76	2,985.8	-209.0	-75.1	91.4	0.00	0.00	0.00
3,100.0	7.97	199.76	3,084.9	-222.0	-79.8	97.1	0.00	0.00	0.00
3,200.0	7.97	199.76	3,183.9	-235.0	-84.4	102.8	0.00	0.00	0.00
3,300.0	7.97	199.76	3,282.9	-248.1	-89.1	108.5	0.00	0.00	0.00
3,400.0	7.97	199.76	3,382.0	-261.1	-93.8	114.2	0.00	0.00	0.00
3,421.9	7.97	199.76	3,403.7	-264.0	-94.8	115.5	0.00	0.00	0.00
<b>G16: Manzanita</b>									
3,475.4	7.97	199.76	3,456.7	-271.0	-97.3	118.5	0.00	0.00	0.00
<b>G13: Cherry Cyn.</b>									
3,500.0	7.97	199.76	3,481.0	-274.2	-98.5	119.9	0.00	0.00	0.00
3,600.0	7.97	199.76	3,580.0	-287.2	-103.2	125.6	0.00	0.00	0.00
3,700.0	7.97	199.76	3,679.1	-300.3	-107.9	131.3	0.00	0.00	0.00



## Planning Report

<b>Database:</b>	EDM 5000.14 Server	<b>Local Co-ordinate Reference:</b>	Well Prater #124H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3027.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3027.5usft
<b>Site:</b>	Prater	<b>North Reference:</b>	Grid
<b>Well:</b>	Prater #124H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
3,800.0	7.97	199.76	3,778.1	-313.3	-112.5	137.0	0.00	0.00	0.00
3,900.0	7.97	199.76	3,877.1	-326.3	-117.2	142.7	0.00	0.00	0.00
4,000.0	7.97	199.76	3,976.2	-339.4	-121.9	148.4	0.00	0.00	0.00
4,100.0	7.97	199.76	4,075.2	-352.4	-126.6	154.1	0.00	0.00	0.00
4,200.0	7.97	199.76	4,174.2	-365.5	-131.3	159.8	0.00	0.00	0.00
4,300.0	7.97	199.76	4,273.3	-378.5	-136.0	165.5	0.00	0.00	0.00
4,400.0	7.97	199.76	4,372.3	-391.5	-140.7	171.2	0.00	0.00	0.00
4,500.0	7.97	199.76	4,471.4	-404.6	-145.3	176.9	0.00	0.00	0.00
4,600.0	7.97	199.76	4,570.4	-417.6	-150.0	182.7	0.00	0.00	0.00
4,693.8	7.97	199.76	4,663.3	-429.9	-154.4	188.0	0.00	0.00	0.00
<b>G7: Brushy Cyn.</b>									
4,700.0	7.97	199.76	4,669.4	-430.7	-154.7	188.4	0.00	0.00	0.00
4,800.0	7.97	199.76	4,768.5	-443.7	-159.4	194.1	0.00	0.00	0.00
4,900.0	7.97	199.76	4,867.5	-456.7	-164.1	199.8	0.00	0.00	0.00
5,000.0	7.97	199.76	4,966.5	-469.8	-168.8	205.5	0.00	0.00	0.00
5,100.0	7.97	199.76	5,065.6	-482.8	-173.5	211.2	0.00	0.00	0.00
5,200.0	7.97	199.76	5,164.6	-495.9	-178.1	216.9	0.00	0.00	0.00
5,300.0	7.97	199.76	5,263.6	-508.9	-182.8	222.6	0.00	0.00	0.00
5,400.0	7.97	199.76	5,362.7	-522.0	-187.5	228.3	0.00	0.00	0.00
5,500.0	7.97	199.76	5,461.7	-535.0	-192.2	234.0	0.00	0.00	0.00
5,600.0	7.97	199.76	5,560.7	-548.0	-196.9	239.7	0.00	0.00	0.00
5,700.0	7.97	199.76	5,659.8	-561.1	-201.6	245.4	0.00	0.00	0.00
5,800.0	7.97	199.76	5,758.8	-574.1	-206.2	251.1	0.00	0.00	0.00
5,900.0	7.97	199.76	5,857.8	-587.2	-210.9	256.8	0.00	0.00	0.00
6,000.0	7.97	199.76	5,956.9	-600.2	-215.6	262.5	0.00	0.00	0.00
6,100.0	7.97	199.76	6,055.9	-613.2	-220.3	268.2	0.00	0.00	0.00
6,200.0	7.97	199.76	6,155.0	-626.3	-225.0	273.9	0.00	0.00	0.00
6,300.0	7.97	199.76	6,254.0	-639.3	-229.7	279.6	0.00	0.00	0.00
6,333.1	7.97	199.76	6,286.8	-643.6	-231.2	281.5	0.00	0.00	0.00
<b>G4: BSGL (CS9)</b>									
6,400.0	7.97	199.76	6,353.0	-652.4	-234.4	285.3	0.00	0.00	0.00
6,500.0	7.97	199.76	6,452.1	-665.4	-239.0	291.0	0.00	0.00	0.00
6,577.3	7.97	199.76	6,528.6	-675.5	-242.7	295.4	0.00	0.00	0.00
<b>L8.2: U. Avalon Shale</b>									
6,600.0	7.97	199.76	6,551.1	-678.4	-243.7	296.7	0.00	0.00	0.00
6,683.4	7.97	199.76	6,633.7	-689.3	-247.6	301.5	0.00	0.00	0.00
<b>L6.3: Avalon Carb</b>									
6,700.0	7.97	199.76	6,650.1	-691.5	-248.4	302.4	0.00	0.00	0.00
6,800.0	7.97	199.76	6,749.2	-704.5	-253.1	308.1	0.00	0.00	0.00
6,806.0	7.97	199.76	6,755.1	-705.3	-253.4	308.5	0.00	0.00	0.00
<b>L6.2: L. Avalon Shale</b>									
6,900.0	7.97	199.76	6,848.2	-717.6	-257.8	313.8	0.00	0.00	0.00
7,000.0	7.97	199.76	6,947.2	-730.6	-262.5	319.5	0.00	0.00	0.00
7,021.2	7.97	199.76	6,968.2	-733.4	-263.5	320.7	0.00	0.00	0.00
<b>L5.3: FBSC</b>									
7,100.0	7.97	199.76	7,046.3	-743.6	-267.1	325.2	0.00	0.00	0.00
7,146.9	7.97	199.76	7,092.7	-749.8	-269.3	327.9	0.00	0.00	0.00
<b>Start Drop -1.50</b>									
7,200.0	7.17	199.76	7,145.4	-756.3	-271.7	330.8	1.50	-1.50	0.00
7,255.3	6.34	199.76	7,200.3	-762.5	-273.9	333.5	1.50	-1.50	0.00
<b>L5.1: FBSC</b>									
7,300.0	5.67	199.76	7,244.7	-766.9	-275.5	335.4	1.50	-1.50	0.00
7,400.0	4.17	199.76	7,344.4	-774.9	-278.4	338.9	1.50	-1.50	0.00

## Planning Report

<b>Database:</b>	EDM 5000.14 Server	<b>Local Co-ordinate Reference:</b>	Well Prater #124H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3027.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3027.5usft
<b>Site:</b>	Prater	<b>North Reference:</b>	Grid
<b>Well:</b>	Prater #124H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)
7,492.1	2.79	199.76	7,436.3	-780.2	-280.3	341.2	1.50	-1.50	0.00
<b>L4.3: SBSC</b>									
7,500.0	2.67	199.76	7,444.2	-780.5	-280.4	341.4	1.50	-1.50	0.00
7,600.0	1.17	199.76	7,544.1	-783.7	-281.5	342.8	1.50	-1.50	0.00
7,677.9	0.00	0.00	7,622.0	-784.4	-281.8	343.1	1.50	-1.50	0.00
<b>Start Build 10.00 - KOP - Prater #124H</b>									
7,700.0	2.21	269.63	7,644.1	-784.4	-282.2	343.5	10.00	10.00	0.00
7,750.0	7.21	269.63	7,693.9	-784.5	-286.3	347.6	10.00	10.00	0.00
7,800.0	12.21	269.63	7,743.2	-784.5	-294.8	356.0	10.00	10.00	0.00
7,850.0	17.21	269.63	7,791.5	-784.6	-307.5	368.7	10.00	10.00	0.00
7,900.0	22.21	269.63	7,838.6	-784.7	-324.3	385.5	10.00	10.00	0.00
7,919.5	24.16	269.63	7,856.5	-784.8	-332.0	393.1	10.00	10.00	0.00
<b>FTP - Prater #124H</b>									
7,950.0	27.21	269.63	7,884.0	-784.9	-345.2	406.3	10.00	10.00	0.00
8,000.0	32.21	269.63	7,927.4	-785.0	-370.0	431.0	10.00	10.00	0.00
8,028.1	35.02	269.63	7,950.8	-785.1	-385.5	446.5	10.00	10.00	0.00
<b>L4.1: SBSG</b>									
8,050.0	37.21	269.63	7,968.5	-785.2	-398.4	459.4	10.00	10.00	0.00
8,100.0	42.21	269.63	8,007.0	-785.4	-430.4	491.3	10.00	10.00	0.00
8,150.0	47.21	269.63	8,042.5	-785.6	-465.5	526.3	10.00	10.00	0.00
8,200.0	52.21	269.63	8,074.8	-785.9	-503.7	564.4	10.00	10.00	0.00
8,250.0	57.21	269.63	8,103.7	-786.1	-544.5	605.1	10.00	10.00	0.00
8,300.0	62.21	269.63	8,128.9	-786.4	-587.6	648.1	10.00	10.00	0.00
8,350.0	67.21	269.63	8,150.2	-786.7	-632.8	693.2	10.00	10.00	0.00
8,400.0	72.21	269.63	8,167.6	-787.0	-679.7	739.9	10.00	10.00	0.00
8,450.0	77.21	269.63	8,180.7	-787.3	-727.9	788.0	10.00	10.00	0.00
8,500.0	82.21	269.63	8,189.7	-787.6	-777.1	837.1	10.00	10.00	0.00
8,550.0	87.21	269.63	8,194.3	-788.0	-826.9	886.7	10.00	10.00	0.00
8,577.9	90.00	269.63	8,195.0	-788.1	-854.7	914.5	10.00	10.00	0.00
<b>Start 3470.4 hold at 8577.9 MD</b>									
8,600.0	90.00	269.63	8,195.0	-788.3	-876.9	936.6	0.00	0.00	0.00
8,700.0	90.00	269.63	8,195.0	-788.9	-976.9	1,036.3	0.00	0.00	0.00
8,800.0	90.00	269.63	8,195.0	-789.6	-1,076.9	1,136.0	0.00	0.00	0.00
8,900.0	90.00	269.63	8,195.0	-790.2	-1,176.9	1,235.8	0.00	0.00	0.00
9,000.0	90.00	269.63	8,195.0	-790.9	-1,276.9	1,335.5	0.00	0.00	0.00
9,100.0	90.00	269.63	8,195.0	-791.5	-1,376.8	1,435.2	0.00	0.00	0.00
9,200.0	90.00	269.63	8,195.0	-792.2	-1,476.8	1,535.0	0.00	0.00	0.00
9,300.0	90.00	269.63	8,195.0	-792.8	-1,576.8	1,634.7	0.00	0.00	0.00
9,400.0	90.00	269.63	8,195.0	-793.5	-1,676.8	1,734.4	0.00	0.00	0.00
9,500.0	90.00	269.63	8,195.0	-794.1	-1,776.8	1,834.2	0.00	0.00	0.00
9,600.0	90.00	269.63	8,195.0	-794.7	-1,876.8	1,933.9	0.00	0.00	0.00
9,700.0	90.00	269.63	8,195.0	-795.4	-1,976.8	2,033.7	0.00	0.00	0.00
9,800.0	90.00	269.63	8,195.0	-796.0	-2,076.8	2,133.4	0.00	0.00	0.00
9,900.0	90.00	269.63	8,195.0	-796.7	-2,176.8	2,233.1	0.00	0.00	0.00
10,000.0	90.00	269.63	8,195.0	-797.3	-2,276.8	2,332.9	0.00	0.00	0.00
10,100.0	90.00	269.63	8,195.0	-798.0	-2,376.8	2,432.6	0.00	0.00	0.00
10,200.0	90.00	269.63	8,195.0	-798.6	-2,476.8	2,532.3	0.00	0.00	0.00
10,300.0	90.00	269.63	8,195.0	-799.3	-2,576.8	2,632.1	0.00	0.00	0.00
10,400.0	90.00	269.63	8,195.0	-799.9	-2,676.8	2,731.8	0.00	0.00	0.00
10,500.0	90.00	269.63	8,195.0	-800.6	-2,776.8	2,831.5	0.00	0.00	0.00
10,600.0	90.00	269.63	8,195.0	-801.2	-2,876.8	2,931.3	0.00	0.00	0.00
10,700.0	90.00	269.63	8,195.0	-801.8	-2,976.8	3,031.0	0.00	0.00	0.00
10,800.0	90.00	269.63	8,195.0	-802.5	-3,076.8	3,130.7	0.00	0.00	0.00
10,900.0	90.00	269.63	8,195.0	-803.1	-3,176.8	3,230.5	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM 5000.14 Server	<b>Local Co-ordinate Reference:</b>	Well Prater #124H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3027.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3027.5usft
<b>Site:</b>	Prater	<b>North Reference:</b>	Grid
<b>Well:</b>	Prater #124H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
11,000.0	90.00	269.63	8,195.0	-803.8	-3,276.8	3,330.2	0.00	0.00	0.00	
11,100.0	90.00	269.63	8,195.0	-804.4	-3,376.8	3,429.9	0.00	0.00	0.00	
11,200.0	90.00	269.63	8,195.0	-805.1	-3,476.8	3,529.7	0.00	0.00	0.00	
11,300.0	90.00	269.63	8,195.0	-805.7	-3,576.8	3,629.4	0.00	0.00	0.00	
11,400.0	90.00	269.63	8,195.0	-806.4	-3,676.8	3,729.1	0.00	0.00	0.00	
11,500.0	90.00	269.63	8,195.0	-807.0	-3,776.8	3,828.9	0.00	0.00	0.00	
11,600.0	90.00	269.63	8,195.0	-807.7	-3,876.8	3,928.6	0.00	0.00	0.00	
11,700.0	90.00	269.63	8,195.0	-808.3	-3,976.8	4,028.3	0.00	0.00	0.00	
11,800.0	90.00	269.63	8,195.0	-808.9	-4,076.8	4,128.1	0.00	0.00	0.00	
11,900.0	90.00	269.63	8,195.0	-809.6	-4,176.8	4,227.8	0.00	0.00	0.00	
12,000.0	90.00	269.63	8,195.0	-810.2	-4,276.8	4,327.5	0.00	0.00	0.00	
12,048.3	90.00	269.63	8,195.0	-810.6	-4,325.1	4,375.7	0.00	0.00	0.00	
Start DLS 4.66 TFO -90.01										
12,100.0	90.00	267.22	8,195.0	-812.0	-4,376.8	4,427.3	4.66	0.00	-4.66	
12,200.0	90.00	262.55	8,195.0	-820.9	-4,476.3	4,527.3	4.66	0.00	-4.66	
12,300.0	90.00	257.89	8,195.0	-837.9	-4,574.9	4,626.9	4.66	0.00	-4.66	
12,400.0	90.00	253.22	8,195.0	-862.8	-4,671.7	4,725.4	4.66	0.00	-4.66	
12,500.0	90.00	248.56	8,195.0	-895.5	-4,766.1	4,822.1	4.66	0.00	-4.66	
12,600.0	90.00	243.89	8,195.0	-935.8	-4,857.6	4,916.5	4.66	0.00	-4.66	
12,694.8	90.00	239.47	8,195.0	-980.8	-4,941.0	5,003.2	4.66	0.00	-4.66	
Start DLS 4.66 TFO 89.99										
12,700.0	90.00	239.72	8,195.0	-983.4	-4,945.5	5,007.9	4.66	0.00	4.66	
12,800.0	90.00	244.38	8,195.0	-1,030.3	-5,033.9	5,099.7	4.66	0.00	4.66	
12,900.0	90.00	249.05	8,195.0	-1,069.8	-5,125.7	5,194.3	4.66	0.00	4.66	
13,000.0	90.00	253.71	8,195.0	-1,101.7	-5,220.4	5,291.3	4.66	0.00	4.66	
13,100.0	90.00	258.38	8,195.0	-1,125.8	-5,317.4	5,389.9	4.66	0.00	4.66	
13,200.0	90.00	263.04	8,195.0	-1,142.0	-5,416.1	5,489.6	4.66	0.00	4.66	
13,300.0	90.00	267.71	8,195.0	-1,150.0	-5,515.8	5,589.5	4.66	0.00	4.66	
13,341.3	90.00	269.63	8,195.0	-1,151.0	-5,557.0	5,630.7	4.66	0.00	4.66	
Start DLS 4.95 TFO 90.00										
13,400.0	90.00	272.54	8,195.0	-1,149.9	-5,615.7	5,689.2	4.95	0.00	4.95	
13,500.0	90.00	277.48	8,195.0	-1,141.2	-5,715.3	5,787.8	4.95	0.00	4.95	
13,600.0	90.00	282.43	8,195.0	-1,123.9	-5,813.8	5,884.6	4.95	0.00	4.95	
13,700.0	90.00	287.38	8,195.0	-1,098.2	-5,910.4	5,978.8	4.95	0.00	4.95	
13,800.0	90.00	292.32	8,195.0	-1,064.2	-6,004.4	6,069.9	4.95	0.00	4.95	
13,900.0	90.00	297.27	8,195.0	-1,022.3	-6,095.2	6,157.0	4.95	0.00	4.95	
13,970.7	90.00	300.77	8,195.0	-988.0	-6,157.0	6,215.9	4.95	0.00	4.95	
Start DLS 4.95 TFO -90.00										
14,000.0	90.00	299.32	8,195.0	-973.3	-6,182.3	6,240.0	4.95	0.00	-4.95	
14,100.0	90.00	294.37	8,195.0	-928.2	-6,271.5	6,325.4	4.95	0.00	-4.95	
14,200.0	90.00	289.43	8,195.0	-890.9	-6,364.3	6,414.9	4.95	0.00	-4.95	
14,300.0	90.00	284.48	8,195.0	-861.8	-6,459.9	6,507.9	4.95	0.00	-4.95	
14,400.0	90.00	279.53	8,195.0	-841.0	-6,557.7	6,603.7	4.95	0.00	-4.95	
14,500.0	90.00	274.59	8,195.0	-828.7	-6,656.9	6,701.6	4.95	0.00	-4.95	
14,600.2	90.00	269.63	8,195.0	-825.0	-6,757.0	6,801.1	4.95	0.00	-4.95	
Start 3940.7 hold at 14600.2 MD										
14,700.0	90.00	269.63	8,195.0	-825.6	-6,856.8	6,900.7	0.00	0.00	0.00	
14,800.0	90.00	269.63	8,195.0	-826.3	-6,956.8	7,000.4	0.00	0.00	0.00	
14,900.0	90.00	269.63	8,195.0	-826.9	-7,056.8	7,100.1	0.00	0.00	0.00	
15,000.0	90.00	269.63	8,195.0	-827.6	-7,156.8	7,199.9	0.00	0.00	0.00	
15,100.0	90.00	269.63	8,195.0	-828.2	-7,256.8	7,299.6	0.00	0.00	0.00	
15,200.0	90.00	269.63	8,195.0	-828.9	-7,356.8	7,399.3	0.00	0.00	0.00	
15,300.0	90.00	269.63	8,195.0	-829.5	-7,456.8	7,499.1	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Prater #124H
Company:	Matador Production Company	TVD Reference:	KB @ 3027.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3027.5usft
Site:	Prater	North Reference:	Grid
Well:	Prater #124H	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)	
15,400.0	90.00	269.63	8,195.0	-830.2	-7,556.8	7,598.8	0.00	0.00	0.00	
15,500.0	90.00	269.63	8,195.0	-830.8	-7,656.8	7,698.6	0.00	0.00	0.00	
15,600.0	90.00	269.63	8,195.0	-831.5	-7,756.8	7,798.3	0.00	0.00	0.00	
15,700.0	90.00	269.63	8,195.0	-832.1	-7,856.8	7,898.0	0.00	0.00	0.00	
15,800.0	90.00	269.63	8,195.0	-832.7	-7,956.8	7,997.8	0.00	0.00	0.00	
15,900.0	90.00	269.63	8,195.0	-833.4	-8,056.8	8,097.5	0.00	0.00	0.00	
16,000.0	90.00	269.63	8,195.0	-834.0	-8,156.8	8,197.2	0.00	0.00	0.00	
16,100.0	90.00	269.63	8,195.0	-834.7	-8,256.8	8,297.0	0.00	0.00	0.00	
16,200.0	90.00	269.63	8,195.0	-835.3	-8,356.8	8,396.7	0.00	0.00	0.00	
16,300.0	90.00	269.63	8,195.0	-836.0	-8,456.8	8,496.4	0.00	0.00	0.00	
16,400.0	90.00	269.63	8,195.0	-836.6	-8,556.8	8,596.2	0.00	0.00	0.00	
16,500.0	90.00	269.63	8,195.0	-837.3	-8,656.8	8,695.9	0.00	0.00	0.00	
16,600.0	90.00	269.63	8,195.0	-837.9	-8,756.8	8,795.6	0.00	0.00	0.00	
16,700.0	90.00	269.63	8,195.0	-838.6	-8,856.8	8,895.4	0.00	0.00	0.00	
16,800.0	90.00	269.63	8,195.0	-839.2	-8,956.8	8,995.1	0.00	0.00	0.00	
16,900.0	90.00	269.63	8,195.0	-839.9	-9,056.8	9,094.8	0.00	0.00	0.00	
17,000.0	90.00	269.63	8,195.0	-840.5	-9,156.8	9,194.6	0.00	0.00	0.00	
17,100.0	90.00	269.63	8,195.0	-841.1	-9,256.8	9,294.3	0.00	0.00	0.00	
17,200.0	90.00	269.63	8,195.0	-841.8	-9,356.8	9,394.0	0.00	0.00	0.00	
17,300.0	90.00	269.63	8,195.0	-842.4	-9,456.8	9,493.8	0.00	0.00	0.00	
17,400.0	90.00	269.63	8,195.0	-843.1	-9,556.8	9,593.5	0.00	0.00	0.00	
17,500.0	90.00	269.63	8,195.0	-843.7	-9,656.7	9,693.2	0.00	0.00	0.00	
17,600.0	90.00	269.63	8,195.0	-844.4	-9,756.7	9,793.0	0.00	0.00	0.00	
17,700.0	90.00	269.63	8,195.0	-845.0	-9,856.7	9,892.7	0.00	0.00	0.00	
17,800.0	90.00	269.63	8,195.0	-845.7	-9,956.7	9,992.4	0.00	0.00	0.00	
17,900.0	90.00	269.63	8,195.0	-846.3	-10,056.7	10,092.2	0.00	0.00	0.00	
18,000.0	90.00	269.63	8,195.0	-847.0	-10,156.7	10,191.9	0.00	0.00	0.00	
18,100.0	90.00	269.63	8,195.0	-847.6	-10,256.7	10,291.6	0.00	0.00	0.00	
18,200.0	90.00	269.63	8,195.0	-848.2	-10,356.7	10,391.4	0.00	0.00	0.00	
18,300.0	90.00	269.63	8,195.0	-848.9	-10,456.7	10,491.1	0.00	0.00	0.00	
18,400.0	90.00	269.63	8,195.0	-849.5	-10,556.7	10,590.9	0.00	0.00	0.00	
18,500.0	90.00	269.63	8,195.0	-850.2	-10,656.7	10,690.6	0.00	0.00	0.00	
18,540.8	90.00	269.63	8,195.0	-850.4	-10,697.6	10,731.3	0.00	0.00	0.00	
TD at 18540.9 - BHL- Prater #124H										

Design Targets										
Target Name										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
KOP - Prater #124H	0.00	0.00	7,622.0	-784.4	-281.8	446,758.00	582,476.00	32° 13' 40.704 N		104° 3' 59.816 W
- plan hits target center										
- Point										
FTP - Prater #124H	0.00	0.00	7,856.5	-784.5	-331.9	446,757.89	582,425.90	32° 13' 40.704 N		104° 4' 0.399 W
- plan misses target center by 0.2usft at 7919.5usft MD (7856.5 TVD, -784.8 N, -332.0 E)										
- Point										
BHL- Prater #124H	0.00	0.00	8,195.0	-850.7	-10,697.6	446,691.65	572,059.85	32° 13' 40.287 N		104° 6' 1.081 W
- plan misses target center by 0.3usft at 18540.8usft MD (8195.0 TVD, -850.4 N, -10697.6 E)										
- Point										

## Planning Report

<b>Database:</b>	EDM 5000.14 Server	<b>Local Co-ordinate Reference:</b>	Well Prater #124H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3027.5usft
<b>Project:</b>	Rustler Breaks	<b>MD Reference:</b>	KB @ 3027.5usft
<b>Site:</b>	Prater	<b>North Reference:</b>	Grid
<b>Well:</b>	Prater #124H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	State Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
78.0	78.0	Salado				
1,039.4	1,039.4	Castile				
2,581.2	2,571.1	G30:CS14-CSB				
2,605.0	2,594.6	G26: Bell Cyn.				
3,421.9	3,403.7	G16: Manzanita				
3,475.4	3,456.7	G13: Cherry Cyn.				
4,693.8	4,663.3	G7: Brushy Cyn.				
6,333.1	6,286.8	G4: BSG (CS9				
6,577.3	6,528.6	L8.2: U. Avalon Shale				
6,683.4	6,633.7	L6.3: Avalon Carb				
6,806.0	6,755.1	L6.2: L. Avalon Shale				
7,021.2	6,968.2	L5.3: FBSC				
7,255.3	7,200.3	L5.1: FBSC				
7,492.1	7,436.3	L4.3: SBSC				
8,028.1	7,950.8	L4.1: SBSG				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,000.0	1,000.0	0.0	0.0	Start Build 1.00	
1,796.5	1,793.9	-52.0	-18.7	Start 5350.4 hold at 1796.5 MD	
7,146.9	7,092.7	-749.8	-269.3	Start Drop -1.50	
7,677.9	7,622.0	-784.4	-281.8	Start Build 10.00	
8,577.9	8,195.0	-788.1	-854.7	Start 3470.4 hold at 8577.9 MD	
12,048.3	8,195.0	-810.6	-4,325.1	Start DLS 4.66 TFO -90.01	
12,694.8	8,195.0	-980.8	-4,941.0	Start DLS 4.66 TFO 89.99	
13,341.3	8,195.0	-1,151.0	-5,557.0	Start DLS 4.95 TFO 90.00	
13,970.7	8,195.0	-988.0	-6,157.0	Start DLS 4.95 TFO -90.00	
14,600.2	8,195.0	-825.0	-6,757.0	Start 3940.7 hold at 14600.2 MD	
18,540.9	8,195.0	-850.4	-10,697.6	TD at 18540.9	

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:** 09/14/2023

**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
Emmett 10&9-24S-28E RB 132H	TBD	D11-24S-28E	966' FNL 34' FWL	1,950	3,900	1,125
Emmett 10&9-24S-28E RB 112H	TBD	D 11-24S-28E	965' FNL 114' FWL	1,425	4,950	4,500
Emmett 10&9-24S-28E RB 122H	TBD	D11-24S-28E	964' FNL 144' FWL	1,388	2,888	4,500
Prater 10&9-24S-28E RB 133H	TBD	L11-24S-28E	1,691' FSL 201' FWL	1,950	3,900	1,125
Prater 10&9-24S-28E RB 113H	TBD	L 11-24S-28E	1,801' FSL 202' FWL	1,425	4,950	4,500
Prater 10&9-24S-28E RB 123H	TBD	L11-24S-28E	1,801' FSL 232' FWL	1,388	2,888	4,500
Prater 10&9-24S-28E RB 134H	TBD	L11-24S-28E	1,691' FSL 231' FWL	1,950	3,900	1,125
Prater 10&9-24S-28E RB 114H	TBD	L 11-24S-28E	1,771' FNL 202' FWL	1,425	4,950	4,500
Prater 10&9-24S-28E RB 124H	TBD	L11-24S-28E	1,771' FSL 232' FWL	1,388	2,888	4,500

**IV. Central Delivery Point Name:** Guitar 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
Emmett 10&9-24S-28E RB 132H	TBD	TBD	TBD	TBD	TBD	TBD
Emmett 10&9-24S-28E RB 112H	TBD	06/18/2024	07/05/2024	08/27/2024	09/27/2024	09/27/2024
Emmett 10&9-24S-28E RB 122H	TBD	08/08/2024	08/23/2024	08/27/2024	09/27/2024	09/27/2024
Prater 10&9-24S-28E RB 133H	TBD	TBD	TBD	TBD	TBD	TBD

Prater 10&9-24S-28E RB 113H	TBD	07/12/2024	07/27/2024	08/27/2024	09/27/2024	09/27/2024
Prater 10&9-24S-28E RB 123H	TBD	06/27/2024	07/11/2024	08/27/2024	09/27/2024	09/27/2024
Prater 10&9-24S-28E RB 134H	TBD	TBD	TBD	TBD	TBD	TBD
Prater 10&9-24S-28E RB 114H	TBD	06/06/2024	06/23/2024	08/27/2024	09/27/2024	09/27/2024
Prater 10&9-24S-28E RB 124H	TBD	07/12/2024	07/27/2024	08/27/2024	09/27/2024	09/27/2024

**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	<small>Digitally signed by Omar Enriquez DN: cn=Omar Enriquez, o=OG, email=omar.enriquez@matadorresources.com, c=US Date: 2024.05.14 13:41:16 -0500</small>
Printed Name: Omar Enriquez	
Title: Sr. Staff Facilities Engineer	
E-mail Address: <a href="mailto:oenriquez@matadorresources.com">oenriquez@matadorresources.com</a>	
Date: 09/14/2024	
Phone: (972)-587-4638	
<div>OIL CONSERVATION DIVISION</div> <div>(Only applicable when submitted as a standalone form)</div>	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

## **Addendum to Natural Gas Management Plan for Matador's**

### **Guitar TB**

#### **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
Emmett 10&9-24S-28E RB 132H	1,950	3,900	1,125
Emmett 10&9-24S-28E RB 112H	1,425	4,950	4,500
Emmett 10&9-24S-28E RB 122H	1,388	2,888	4,500
Prater 10&9-24S-28E RB 133H	1,950	3,900	1,125
Prater 10&9-24S-28E RB 113H	1,425	4,950	4,500
Prater 10&9-24S-28E RB 123H	1,388	2,888	4,500
Prater 10&9-24S-28E RB 134H	1,950	3,900	1,125
Prater 10&9-24S-28E RB 114H	1,425	4,950	4,500
Prater 10&9-24S-28E RB 124H	1,388	2,888	4,500

#### **VII. Operation Practices**

Although not a complete recitation of all our efforts to comply with subsection A through F of 19.15.27.8 NMAC, a summary is as follows. 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