

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 370639

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 30-015-55332
4. Property Code 335945	5. Property Name Emmett 10&9-24S-28E RB	6. Well No. 132H

7. Surface Location

UL - Lot D	Section 11	Township 24S	Range 28E	Lot Idn	Feet From 966	N/S Line N	Feet From 34	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot E	Section 9	Township 24S	Range 28E	Lot Idn E	Feet From 1980	N/S Line N	Feet From 60	E/W Line W	County Eddy
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9. Pool Information

MALAGA;BONE SPRING, NORTH	42800
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2980
16. Multiple N	17. Proposed Depth 18921	18. Formation Bone Spring	19. Contractor	20. Spud Date 8/26/2024
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	439	0
Int1	9.875	7.625	29.7	8048	1374	0
Prod	6.75	5.5	20	18921	1058	7848

Casing/Cement Program: Additional Comments

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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.

Signature:

OIL CONSERVATION DIVISION

Printed Name: Electronically filed by Brett A Jennings	Approved By: Ward Rikala
Title: Regulatory Analyst	Title: Petroleum Specialist Supervisor
Email Address: brett.jennings@matadorresources.com	Approved Date: 8/14/2024 Expiration Date: 8/14/2026
Date: 7/30/2024 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 30-015-55332	² Pool Code 42800	³ Pool Name Malaga; Bone Spring, North
⁴ Property Code 335945	⁵ Property Name EMMETT 10&9-24S-28E RB	⁶ Well Number 132H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 2980'

¹⁰Surface Location

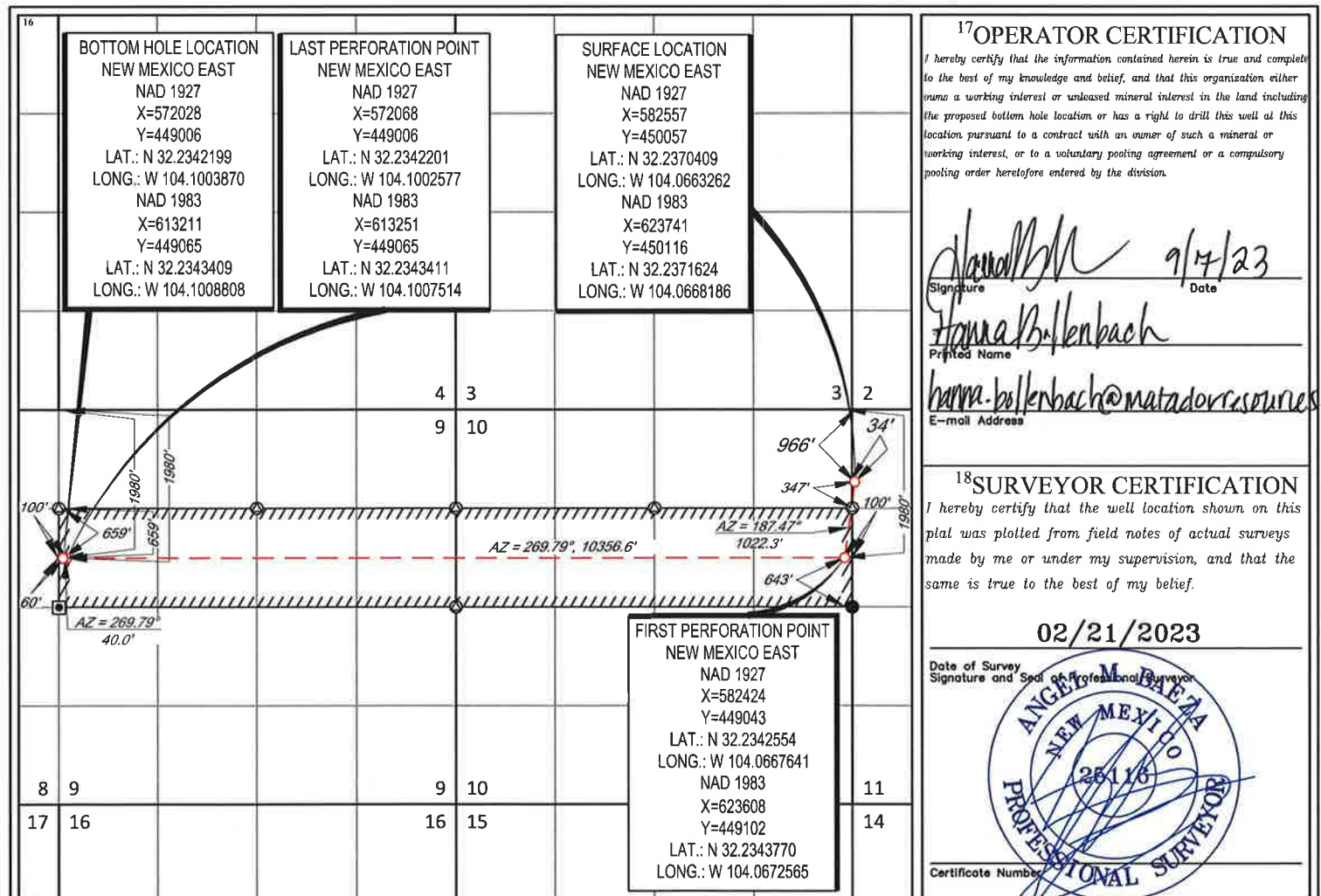
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	24-S	28-E	-	966'	NORTH	34'	WEST	EDDY

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
E	9	24-S	28-E	-	1980'	NORTH	60'	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.



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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 370639

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-55332
	Well: Emmett 10&9-24S-28E RB #132H

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	Pit construction and closure must satisfy all requirements of your approved plan
ward.rikala	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	If cement does not circulate on any string, a CBL is required for that string 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
ward.rikala	If a reserve pit is not to be used and a closed loop system will be, submit a C-103 NOI prior to drilling.

Well Name: Emmett 10&9-24S-28E RB #132H										
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	439	0	Option to drill surface hole with surface setting rig Option to cement surface casing offline
INT 1	Diesel Brine Emulsion	9.875	7.625	P-110	29.70	8048	0	1374	0	Option to run DV tool and Packer.
PROD	OBM/Cut Brine	6.75	5.5	P-110	20.00	18921	0	1058	7848	

Matador Production Company

Rustler Breaks

Emmett

Emmett #132H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

26 August, 2023

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	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	Emmett					
Site Position:		Northing:	450,086.79 usft	Latitude:	32° 14' 13.643 N	
From:	Lat/Long	Easting:	582,637.23 usft	Longitude:	104° 3' 57.843 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.14 °

Well	Emmett #132H					
Well Position	+N/-S	-29.8 usft	Northing:	450,057.00 usft	Latitude:	32° 14' 13.350 N
	+E/-W	-80.2 usft	Easting:	582,557.00 usft	Longitude:	104° 3' 58.778 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	2,980.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/3/2023	6.56	59.92	47,311.74744527

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	264.30

Plan Survey Tool Program	Date	8/24/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,920.6	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

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	
2,000.0	10.00	184.68	1,997.5	-43.4	-3.6	2.00	2.00	0.00	184.68	
7,274.5	10.00	184.68	7,191.8	-956.2	-78.3	0.00	0.00	0.00	0.00	
7,941.1	0.00	0.00	7,855.1	-1,014.1	-83.0	1.50	-1.50	0.00	180.00	
8,148.0	0.00	0.00	8,062.0	-1,014.1	-83.0	0.00	0.00	0.00	0.00	VP - Emmett #132H
9,048.0	90.00	269.90	8,635.0	-1,015.1	-656.0	10.00	10.00	0.00	269.90	
9,055.0	90.09	269.79	8,635.0	-1,015.1	-662.9	2.00	1.25	-1.56	-51.28	
18,920.6	90.09	269.79	8,620.0	-1,050.9	-10,528.5	0.00	0.00	0.00	0.00	BHL - Emmett #132H

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	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
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
581.4	0.00	0.00	581.4	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
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
978.3	0.00	0.00	978.3	0.0	0.0	0.0	0.00	0.00	0.00
Castile (T)									
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
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	184.68	1,600.0	-1.7	-0.1	0.3	2.00	2.00	0.00
1,700.0	4.00	184.68	1,699.8	-7.0	-0.6	1.3	2.00	2.00	0.00
1,800.0	6.00	184.68	1,799.5	-15.6	-1.3	2.8	2.00	2.00	0.00
1,900.0	8.00	184.68	1,898.7	-27.8	-2.3	5.0	2.00	2.00	0.00
2,000.0	10.00	184.68	1,997.5	-43.4	-3.6	7.8	2.00	2.00	0.00
Start 5274.5 hold at 2000.0 MD									
2,100.0	10.00	184.68	2,095.9	-60.7	-5.0	11.0	0.00	0.00	0.00
2,200.0	10.00	184.68	2,194.4	-78.0	-6.4	14.1	0.00	0.00	0.00
2,300.0	10.00	184.68	2,292.9	-95.3	-7.8	17.2	0.00	0.00	0.00
2,400.0	10.00	184.68	2,391.4	-112.6	-9.2	20.4	0.00	0.00	0.00
2,500.0	10.00	184.68	2,489.9	-129.9	-10.6	23.5	0.00	0.00	0.00
2,576.1	10.00	184.68	2,564.8	-143.1	-11.7	25.9	0.00	0.00	0.00
G30:CS14-CSB									
2,600.0	10.00	184.68	2,588.3	-147.2	-12.1	26.6	0.00	0.00	0.00
2,607.7	10.00	184.68	2,595.9	-148.6	-12.2	26.9	0.00	0.00	0.00
G26: Bell Cyn.									
2,700.0	10.00	184.68	2,686.8	-164.5	-13.5	29.7	0.00	0.00	0.00
2,800.0	10.00	184.68	2,785.3	-181.8	-14.9	32.9	0.00	0.00	0.00
2,900.0	10.00	184.68	2,883.8	-199.1	-16.3	36.0	0.00	0.00	0.00
3,000.0	10.00	184.68	2,982.3	-216.4	-17.7	39.1	0.00	0.00	0.00
3,100.0	10.00	184.68	3,080.8	-233.8	-19.1	42.3	0.00	0.00	0.00
3,200.0	10.00	184.68	3,179.2	-251.1	-20.6	45.4	0.00	0.00	0.00
3,300.0	10.00	184.68	3,277.7	-268.4	-22.0	48.5	0.00	0.00	0.00
3,400.0	10.00	184.68	3,376.2	-285.7	-23.4	51.6	0.00	0.00	0.00
3,469.2	10.00	184.68	3,444.3	-297.7	-24.4	53.8	0.00	0.00	0.00
G16: Manzanita									
3,500.0	10.00	184.68	3,474.7	-303.0	-24.8	54.8	0.00	0.00	0.00
3,501.8	10.00	184.68	3,476.4	-303.3	-24.8	54.8	0.00	0.00	0.00
G13: Cherry Cyn.									
3,600.0	10.00	184.68	3,573.2	-320.3	-26.2	57.9	0.00	0.00	0.00
3,700.0	10.00	184.68	3,671.6	-337.6	-27.6	61.0	0.00	0.00	0.00
3,800.0	10.00	184.68	3,770.1	-354.9	-29.1	64.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	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)
3,900.0	10.00	184.68	3,868.6	-372.2	-30.5	67.3	0.00	0.00	0.00
4,000.0	10.00	184.68	3,967.1	-389.5	-31.9	70.4	0.00	0.00	0.00
4,100.0	10.00	184.68	4,065.6	-406.8	-33.3	73.5	0.00	0.00	0.00
4,200.0	10.00	184.68	4,164.0	-424.1	-34.7	76.7	0.00	0.00	0.00
4,300.0	10.00	184.68	4,262.5	-441.4	-36.1	79.8	0.00	0.00	0.00
4,400.0	10.00	184.68	4,361.0	-458.7	-37.6	82.9	0.00	0.00	0.00
4,500.0	10.00	184.68	4,459.5	-476.1	-39.0	86.1	0.00	0.00	0.00
4,600.0	10.00	184.68	4,558.0	-493.4	-40.4	89.2	0.00	0.00	0.00
4,672.3	10.00	184.68	4,629.2	-505.9	-41.4	91.5	0.00	0.00	0.00
G7: Brushy Cyn.									
4,700.0	10.00	184.68	4,656.4	-510.7	-41.8	92.3	0.00	0.00	0.00
4,800.0	10.00	184.68	4,754.9	-528.0	-43.2	95.4	0.00	0.00	0.00
4,900.0	10.00	184.68	4,853.4	-545.3	-44.6	98.6	0.00	0.00	0.00
5,000.0	10.00	184.68	4,951.9	-562.6	-46.0	101.7	0.00	0.00	0.00
5,100.0	10.00	184.68	5,050.4	-579.9	-47.5	104.8	0.00	0.00	0.00
5,200.0	10.00	184.68	5,148.9	-597.2	-48.9	108.0	0.00	0.00	0.00
5,300.0	10.00	184.68	5,247.3	-614.5	-50.3	111.1	0.00	0.00	0.00
5,400.0	10.00	184.68	5,345.8	-631.8	-51.7	114.2	0.00	0.00	0.00
5,500.0	10.00	184.68	5,444.3	-649.1	-53.1	117.3	0.00	0.00	0.00
5,600.0	10.00	184.68	5,542.8	-666.4	-54.5	120.5	0.00	0.00	0.00
5,700.0	10.00	184.68	5,641.3	-683.7	-56.0	123.6	0.00	0.00	0.00
5,800.0	10.00	184.68	5,739.7	-701.0	-57.4	126.7	0.00	0.00	0.00
5,900.0	10.00	184.68	5,838.2	-718.3	-58.8	129.9	0.00	0.00	0.00
6,000.0	10.00	184.68	5,936.7	-735.7	-60.2	133.0	0.00	0.00	0.00
6,100.0	10.00	184.68	6,035.2	-753.0	-61.6	136.1	0.00	0.00	0.00
6,200.0	10.00	184.68	6,133.7	-770.3	-63.0	139.2	0.00	0.00	0.00
6,300.0	10.00	184.68	6,232.1	-787.6	-64.5	142.4	0.00	0.00	0.00
6,358.9	10.00	184.68	6,290.2	-797.8	-65.3	144.2	0.00	0.00	0.00
G4: BSG (CS9)									
6,400.0	10.00	184.68	6,330.6	-804.9	-65.9	145.5	0.00	0.00	0.00
6,480.4	10.00	184.68	6,409.8	-818.8	-67.0	148.0	0.00	0.00	0.00
G4.1: AVALON-SS									
6,500.0	10.00	184.68	6,429.1	-822.2	-67.3	148.6	0.00	0.00	0.00
6,600.0	10.00	184.68	6,527.6	-839.5	-68.7	151.8	0.00	0.00	0.00
6,620.1	10.00	184.68	6,547.4	-843.0	-69.0	152.4	0.00	0.00	0.00
L8.2: U. Avalon Shale									
6,700.0	10.00	184.68	6,626.1	-856.8	-70.1	154.9	0.00	0.00	0.00
6,800.0	10.00	184.68	6,724.5	-874.1	-71.5	158.0	0.00	0.00	0.00
6,839.8	10.00	184.68	6,763.7	-881.0	-72.1	159.3	0.00	0.00	0.00
L6.3: Avalon Carb									
6,900.0	10.00	184.68	6,823.0	-891.4	-73.0	161.1	0.00	0.00	0.00
6,931.7	10.00	184.68	6,854.3	-896.9	-73.4	162.1	0.00	0.00	0.00
L6.2: L. Avalon Shale									
7,000.0	10.00	184.68	6,921.5	-908.7	-74.4	164.3	0.00	0.00	0.00
7,085.2	10.00	184.68	7,005.4	-923.5	-75.6	166.9	0.00	0.00	0.00
L5.3: FBSC									
7,100.0	10.00	184.68	7,020.0	-926.0	-75.8	167.4	0.00	0.00	0.00
7,200.0	10.00	184.68	7,118.5	-943.3	-77.2	170.5	0.00	0.00	0.00
7,274.5	10.00	184.68	7,191.8	-956.2	-78.3	172.9	0.00	0.00	0.00
Start Drop -1.50									
7,293.9	9.71	184.68	7,211.0	-959.5	-78.5	173.5	1.50	-1.50	0.00
L5.1: FBSC									
7,300.0	9.62	184.68	7,217.0	-960.6	-78.6	173.6	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	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)
7,400.0	8.12	184.68	7,315.8	-975.9	-79.9	176.4	1.50	-1.50	0.00
7,500.0	6.62	184.68	7,414.9	-988.7	-80.9	178.7	1.50	-1.50	0.00
7,600.0	5.12	184.68	7,514.4	-998.9	-81.8	180.6	1.50	-1.50	0.00
7,678.2	3.94	184.68	7,592.3	-1,005.0	-82.3	181.7	1.50	-1.50	0.00
L4.3: SBCS									
7,700.0	3.62	184.68	7,614.1	-1,006.5	-82.4	181.9	1.50	-1.50	0.00
7,800.0	2.12	184.68	7,714.0	-1,011.5	-82.8	182.8	1.50	-1.50	0.00
7,900.0	0.62	184.68	7,814.0	-1,013.8	-83.0	183.3	1.50	-1.50	0.00
7,941.1	0.00	0.00	7,855.1	-1,014.1	-83.0	183.3	1.50	-1.50	0.00
Start 191.9 hold at 7941.1 MD									
8,000.0	0.00	0.00	7,914.0	-1,014.1	-83.0	183.3	0.00	0.00	0.00
8,064.0	0.00	0.00	7,978.0	-1,014.1	-83.0	183.3	0.00	0.00	0.00
L4.1: SBSG									
8,100.0	0.00	0.00	8,014.0	-1,014.1	-83.0	183.3	0.00	0.00	0.00
8,133.0	0.00	0.00	8,047.0	-1,014.1	-83.0	183.3	0.00	0.00	0.00
Start Build 10.00									
8,148.0	0.00	0.00	8,062.0	-1,014.1	-83.0	183.3	0.00	0.00	0.00
VP - Emmett #132H									
8,200.0	5.20	269.90	8,113.9	-1,014.1	-85.4	185.7	10.00	10.00	0.00
8,300.0	15.20	269.90	8,212.2	-1,014.1	-103.0	203.3	10.00	10.00	0.00
8,389.2	24.11	269.90	8,296.1	-1,014.2	-133.0	233.1	10.00	10.00	0.00
FTP-Emmett #132H									
8,400.0	25.20	269.90	8,305.9	-1,014.2	-137.5	237.6	10.00	10.00	0.00
8,422.9	27.48	269.90	8,326.4	-1,014.2	-147.7	247.7	10.00	10.00	0.00
L3.3: TBSC									
8,500.0	35.20	269.90	8,392.2	-1,014.2	-187.7	287.6	10.00	10.00	0.00
8,600.0	45.20	269.90	8,468.5	-1,014.4	-252.2	351.7	10.00	10.00	0.00
8,605.4	45.74	269.90	8,472.3	-1,014.4	-256.1	355.5	10.00	10.00	0.00
FTP - Emmett #132H									
8,700.0	55.20	269.90	8,532.5	-1,014.5	-328.9	428.1	10.00	10.00	0.00
8,800.0	65.20	269.90	8,582.1	-1,014.6	-415.6	514.3	10.00	10.00	0.00
8,900.0	75.20	269.90	8,615.9	-1,014.8	-509.6	607.8	10.00	10.00	0.00
9,000.0	85.20	269.90	8,632.9	-1,015.0	-608.0	705.8	10.00	10.00	0.00
9,033.0	88.50	269.90	8,634.8	-1,015.0	-641.0	738.6	10.00	10.00	0.00
Start DLS 2.00 TFO -90.13									
9,038.5	89.04	269.90	8,634.9	-1,015.0	-646.4	744.0	10.00	10.00	0.00
Start 9867.2 hold at 9038.5 MD									
9,048.0	90.00	269.90	8,635.0	-1,015.1	-656.0	753.5	10.00	10.00	0.00
9,055.0	90.09	269.79	8,635.0	-1,015.1	-662.9	760.4	2.00	1.25	-1.56
9,100.0	90.09	269.79	8,634.9	-1,015.2	-707.9	805.3	0.00	0.00	0.00
9,200.0	90.09	269.79	8,634.7	-1,015.6	-807.9	904.8	0.00	0.00	0.00
9,300.0	90.09	269.79	8,634.6	-1,016.0	-907.9	1,004.3	0.00	0.00	0.00
9,400.0	90.09	269.79	8,634.4	-1,016.3	-1,007.9	1,103.9	0.00	0.00	0.00
9,500.0	90.09	269.79	8,634.3	-1,016.7	-1,107.9	1,203.4	0.00	0.00	0.00
9,600.0	90.09	269.79	8,634.1	-1,017.1	-1,207.9	1,303.0	0.00	0.00	0.00
9,700.0	90.09	269.79	8,634.0	-1,017.4	-1,307.9	1,402.5	0.00	0.00	0.00
9,800.0	90.09	269.79	8,633.8	-1,017.8	-1,407.9	1,502.0	0.00	0.00	0.00
9,900.0	90.09	269.79	8,633.7	-1,018.2	-1,507.9	1,601.6	0.00	0.00	0.00
10,000.0	90.09	269.79	8,633.5	-1,018.5	-1,607.9	1,701.1	0.00	0.00	0.00
10,100.0	90.09	269.79	8,633.4	-1,018.9	-1,707.9	1,800.7	0.00	0.00	0.00
10,200.0	90.09	269.79	8,633.2	-1,019.2	-1,807.9	1,900.2	0.00	0.00	0.00
10,300.0	90.09	269.79	8,633.1	-1,019.6	-1,907.9	1,999.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	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)
10,400.0	90.09	269.79	8,632.9	-1,020.0	-2,007.9	2,099.3	0.00	0.00	0.00
10,500.0	90.09	269.79	8,632.8	-1,020.3	-2,107.9	2,198.8	0.00	0.00	0.00
10,600.0	90.09	269.79	8,632.6	-1,020.7	-2,207.9	2,298.4	0.00	0.00	0.00
10,700.0	90.09	269.79	8,632.5	-1,021.1	-2,307.9	2,397.9	0.00	0.00	0.00
10,800.0	90.09	269.79	8,632.3	-1,021.4	-2,407.9	2,497.5	0.00	0.00	0.00
10,900.0	90.09	269.79	8,632.2	-1,021.8	-2,507.9	2,597.0	0.00	0.00	0.00
11,000.0	90.09	269.79	8,632.0	-1,022.2	-2,607.9	2,696.5	0.00	0.00	0.00
11,100.0	90.09	269.79	8,631.9	-1,022.5	-2,707.9	2,796.1	0.00	0.00	0.00
11,200.0	90.09	269.79	8,631.7	-1,022.9	-2,807.9	2,895.6	0.00	0.00	0.00
11,300.0	90.09	269.79	8,631.5	-1,023.2	-2,907.9	2,995.2	0.00	0.00	0.00
11,400.0	90.09	269.79	8,631.4	-1,023.6	-3,007.9	3,094.7	0.00	0.00	0.00
11,500.0	90.09	269.79	8,631.2	-1,024.0	-3,107.9	3,194.2	0.00	0.00	0.00
11,600.0	90.09	269.79	8,631.1	-1,024.3	-3,207.9	3,293.8	0.00	0.00	0.00
11,700.0	90.09	269.79	8,630.9	-1,024.7	-3,307.9	3,393.3	0.00	0.00	0.00
11,800.0	90.09	269.79	8,630.8	-1,025.1	-3,407.9	3,492.9	0.00	0.00	0.00
11,900.0	90.09	269.79	8,630.6	-1,025.4	-3,507.9	3,592.4	0.00	0.00	0.00
12,000.0	90.09	269.79	8,630.5	-1,025.8	-3,607.9	3,691.9	0.00	0.00	0.00
12,100.0	90.09	269.79	8,630.3	-1,026.2	-3,707.9	3,791.5	0.00	0.00	0.00
12,200.0	90.09	269.79	8,630.2	-1,026.5	-3,807.9	3,891.0	0.00	0.00	0.00
12,300.0	90.09	269.79	8,630.0	-1,026.9	-3,907.9	3,990.6	0.00	0.00	0.00
12,400.0	90.09	269.79	8,629.9	-1,027.2	-4,007.9	4,090.1	0.00	0.00	0.00
12,500.0	90.09	269.79	8,629.7	-1,027.6	-4,107.9	4,189.6	0.00	0.00	0.00
12,600.0	90.09	269.79	8,629.6	-1,028.0	-4,207.9	4,289.2	0.00	0.00	0.00
12,700.0	90.09	269.79	8,629.4	-1,028.3	-4,307.9	4,388.7	0.00	0.00	0.00
12,800.0	90.09	269.79	8,629.3	-1,028.7	-4,407.9	4,488.3	0.00	0.00	0.00
12,900.0	90.09	269.79	8,629.1	-1,029.1	-4,507.9	4,587.8	0.00	0.00	0.00
13,000.0	90.09	269.79	8,629.0	-1,029.4	-4,607.9	4,687.3	0.00	0.00	0.00
13,100.0	90.09	269.79	8,628.8	-1,029.8	-4,707.9	4,786.9	0.00	0.00	0.00
13,200.0	90.09	269.79	8,628.7	-1,030.2	-4,807.9	4,886.4	0.00	0.00	0.00
13,300.0	90.09	269.79	8,628.5	-1,030.5	-4,907.9	4,986.0	0.00	0.00	0.00
13,400.0	90.09	269.79	8,628.4	-1,030.9	-5,007.9	5,085.5	0.00	0.00	0.00
13,500.0	90.09	269.79	8,628.2	-1,031.2	-5,107.9	5,185.1	0.00	0.00	0.00
13,600.0	90.09	269.79	8,628.1	-1,031.6	-5,207.9	5,284.6	0.00	0.00	0.00
13,700.0	90.09	269.79	8,627.9	-1,032.0	-5,307.9	5,384.1	0.00	0.00	0.00
13,800.0	90.09	269.79	8,627.8	-1,032.3	-5,407.9	5,483.7	0.00	0.00	0.00
13,900.0	90.09	269.79	8,627.6	-1,032.7	-5,507.9	5,583.2	0.00	0.00	0.00
14,000.0	90.09	269.79	8,627.5	-1,033.1	-5,607.9	5,682.8	0.00	0.00	0.00
14,100.0	90.09	269.79	8,627.3	-1,033.4	-5,707.9	5,782.3	0.00	0.00	0.00
14,200.0	90.09	269.79	8,627.2	-1,033.8	-5,807.9	5,881.8	0.00	0.00	0.00
14,300.0	90.09	269.79	8,627.0	-1,034.1	-5,907.9	5,981.4	0.00	0.00	0.00
14,400.0	90.09	269.79	8,626.9	-1,034.5	-6,007.9	6,080.9	0.00	0.00	0.00
14,500.0	90.09	269.79	8,626.7	-1,034.9	-6,107.9	6,180.5	0.00	0.00	0.00
14,600.0	90.09	269.79	8,626.5	-1,035.2	-6,207.9	6,280.0	0.00	0.00	0.00
14,700.0	90.09	269.79	8,626.4	-1,035.6	-6,307.9	6,379.5	0.00	0.00	0.00
14,800.0	90.09	269.79	8,626.2	-1,036.0	-6,407.9	6,479.1	0.00	0.00	0.00
14,900.0	90.09	269.79	8,626.1	-1,036.3	-6,507.9	6,578.6	0.00	0.00	0.00
15,000.0	90.09	269.79	8,625.9	-1,036.7	-6,607.9	6,678.2	0.00	0.00	0.00
15,100.0	90.09	269.79	8,625.8	-1,037.1	-6,707.9	6,777.7	0.00	0.00	0.00
15,200.0	90.09	269.79	8,625.6	-1,037.4	-6,807.9	6,877.2	0.00	0.00	0.00
15,300.0	90.09	269.79	8,625.5	-1,037.8	-6,907.9	6,976.8	0.00	0.00	0.00
15,400.0	90.09	269.79	8,625.3	-1,038.1	-7,007.9	7,076.3	0.00	0.00	0.00
15,500.0	90.09	269.79	8,625.2	-1,038.5	-7,107.9	7,175.9	0.00	0.00	0.00
15,600.0	90.09	269.79	8,625.0	-1,038.9	-7,207.9	7,275.4	0.00	0.00	0.00
15,700.0	90.09	269.79	8,624.9	-1,039.2	-7,307.9	7,375.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:			Well Emmett #132H					
Company:	Matador Production Company				KB @ 3008.5usft					
Project:	Rustler Breaks				KB @ 3008.5usft					
Site:	Emmett				Grid					
Well:	Emmett #132H				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)	
15,800.0	90.09	269.79	8,624.7	-1,039.6	-7,407.9	7,474.5	0.00	0.00	0.00	
15,900.0	90.09	269.79	8,624.6	-1,040.0	-7,507.9	7,574.0	0.00	0.00	0.00	
16,000.0	90.09	269.79	8,624.4	-1,040.3	-7,607.9	7,673.6	0.00	0.00	0.00	
16,100.0	90.09	269.79	8,624.3	-1,040.7	-7,707.9	7,773.1	0.00	0.00	0.00	
16,200.0	90.09	269.79	8,624.1	-1,041.1	-7,807.9	7,872.7	0.00	0.00	0.00	
16,300.0	90.09	269.79	8,624.0	-1,041.4	-7,907.9	7,972.2	0.00	0.00	0.00	
16,400.0	90.09	269.79	8,623.8	-1,041.8	-8,007.9	8,071.7	0.00	0.00	0.00	
16,500.0	90.09	269.79	8,623.7	-1,042.1	-8,107.9	8,171.3	0.00	0.00	0.00	
16,600.0	90.09	269.79	8,623.5	-1,042.5	-8,207.9	8,270.8	0.00	0.00	0.00	
16,700.0	90.09	269.79	8,623.4	-1,042.9	-8,307.9	8,370.4	0.00	0.00	0.00	
16,800.0	90.09	269.79	8,623.2	-1,043.2	-8,407.9	8,469.9	0.00	0.00	0.00	
16,900.0	90.09	269.79	8,623.1	-1,043.6	-8,507.9	8,569.4	0.00	0.00	0.00	
17,000.0	90.09	269.79	8,622.9	-1,044.0	-8,607.9	8,669.0	0.00	0.00	0.00	
17,100.0	90.09	269.79	8,622.8	-1,044.3	-8,707.9	8,768.5	0.00	0.00	0.00	
17,200.0	90.09	269.79	8,622.6	-1,044.7	-8,807.9	8,868.1	0.00	0.00	0.00	
17,300.0	90.09	269.79	8,622.5	-1,045.1	-8,907.9	8,967.6	0.00	0.00	0.00	
17,400.0	90.09	269.79	8,622.3	-1,045.4	-9,007.9	9,067.1	0.00	0.00	0.00	
17,500.0	90.09	269.79	8,622.2	-1,045.8	-9,107.9	9,166.7	0.00	0.00	0.00	
17,600.0	90.09	269.79	8,622.0	-1,046.1	-9,207.9	9,266.2	0.00	0.00	0.00	
17,700.0	90.09	269.79	8,621.8	-1,046.5	-9,307.8	9,365.8	0.00	0.00	0.00	
17,800.0	90.09	269.79	8,621.7	-1,046.9	-9,407.8	9,465.3	0.00	0.00	0.00	
17,900.0	90.09	269.79	8,621.5	-1,047.2	-9,507.8	9,564.8	0.00	0.00	0.00	
18,000.0	90.09	269.79	8,621.4	-1,047.6	-9,607.8	9,664.4	0.00	0.00	0.00	
18,100.0	90.09	269.79	8,621.2	-1,048.0	-9,707.8	9,763.9	0.00	0.00	0.00	
18,200.0	90.09	269.79	8,621.1	-1,048.3	-9,807.8	9,863.5	0.00	0.00	0.00	
18,300.0	90.09	269.79	8,620.9	-1,048.7	-9,907.8	9,963.0	0.00	0.00	0.00	
18,400.0	90.09	269.79	8,620.8	-1,049.1	-10,007.8	10,062.6	0.00	0.00	0.00	
18,500.0	90.09	269.79	8,620.6	-1,049.4	-10,107.8	10,162.1	0.00	0.00	0.00	
18,600.0	90.09	269.79	8,620.5	-1,049.8	-10,207.8	10,261.6	0.00	0.00	0.00	
18,700.0	90.09	269.79	8,620.3	-1,050.1	-10,307.8	10,361.2	0.00	0.00	0.00	
18,800.0	90.09	269.79	8,620.2	-1,050.5	-10,407.8	10,460.7	0.00	0.00	0.00	
18,900.0	90.09	269.79	8,620.0	-1,050.9	-10,507.8	10,560.3	0.00	0.00	0.00	
18,905.6	90.09	269.79	8,620.0	-1,050.9	-10,513.5	10,565.9	0.00	0.00	0.00	
TD at 18905.6										
18,920.6	90.09	269.79	8,620.0	-1,050.9	-10,528.5	10,580.8	0.00	0.00	0.00	
BHL - Emmett #132H										

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well Emmett #132H
Company:	Matador Production Company	TVD Reference:	KB @ 3008.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3008.5usft
Site:	Emmett	North Reference:	Grid
Well:	Emmett #132H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
VP - Emmett #132H	0.00	0.00	8,062.0	-1,014.1	-83.0	449,043.00	582,474.00	32° 14' 3.317 N	104° 3' 59.773 W
- plan hits target center									
- Point									
FTP-Emmett #132H	0.00	0.00	8,296.1	-1,013.9	-133.0	449,043.19	582,424.05	32° 14' 3.320 N	104° 4' 0.355 W
- plan misses target center by 0.3usft at 8389.2usft MD (8296.1 TVD, -1014.2 N, -133.0 E)									
- Point									
BHL - Emmett #132H	0.00	0.00	8,620.0	-1,050.9	-10,528.5	449,006.00	572,028.00	32° 14' 3.192 N	104° 6' 1.394 W
- plan hits target center									
- Point									
FTP - Emmett #132H	0.00	0.00	8,620.0	-1,014.0	-133.0	449,043.00	582,424.00	32° 14' 3.318 N	104° 4' 0.355 W
- plan misses target center by 192.2usft at 8605.4usft MD (8472.3 TVD, -1014.4 N, -256.1 E)									
- Point									

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
581.4	581.4	Salado		0.00	269.79
978.3	978.3	Castile (T)		0.00	269.79
2,576.1	2,564.8	G30:CS14-CSB		0.00	269.79
2,607.7	2,595.9	G26: Bell Cyn.		0.00	269.79
3,469.2	3,444.3	G16: Manzanita		0.00	269.79
3,501.8	3,476.4	G13: Cherry Cyn.		0.00	269.79
4,672.3	4,629.2	G7: Brushy Cyn.		0.00	269.79
6,358.9	6,290.2	G4: BSGL (CS9)		0.00	269.79
6,480.4	6,409.8	G4.1: AVALON-SS		0.00	269.79
6,620.1	6,547.4	L8.2: U. Avalon Shale		0.00	269.79
6,839.8	6,763.7	L6.3: Avalon Carb		0.00	269.79
6,931.7	6,854.3	L6.2: L. Avalon Shale		0.00	269.79
7,085.2	7,005.4	L5.3: FBSC		0.00	269.79
7,293.9	7,211.0	L5.1: FBSC		0.00	269.79
7,678.2	7,592.3	L4.3: SBSC		0.00	269.79
8,064.0	7,978.0	L4.1: SBSC		0.00	269.79
8,422.9	8,326.4	L3.3: TBSC		0.00	269.79

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
2,000.0	1,997.5	-43.4	-3.6	Start 5274.5 hold at 2000.0 MD
7,274.5	7,191.8	-956.2	-78.3	Start Drop -1.50
7,941.1	7,855.1	-1,014.1	-83.0	Start 191.9 hold at 7941.1 MD
8,133.0	8,047.0	-1,014.1	-83.0	Start Build 10.00
9,033.0	8,634.8	-1,015.0	-641.0	Start DLS 2.00 TFO -90.13
9,038.5	8,634.9	-1,015.0	-646.4	Start 9867.2 hold at 9038.5 MD
18,905.6	8,620.0	-1,050.9	-10,513.5	TD at 18905.6

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:** 7/22/2024

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	D 11-24S-28E	966' FNL 34' FWL	1650	2100	2100
Prater 10&9-24S-28E RB 133H	TBD	D 11-24S-28E	1691' FNL 201' FWL	1650	2100	2100
Prater 10&9-24S-28E RB 134H	TBD	D 11-24S-28E	1691' FNL 231' FWL	1650	2100	2100

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	03/03/2025	03/25/2025	04/01/2025	05/01/2025	05/01/2025
Prater 10&9-24S-28E RB 133H	TBD	03/03/2025	03/25/2025	04/16/2025	05/10/2025	05/10/2025
Prater 10&9-24S-28E RB 134H	TBD	03/25/2025	04/15/2025	04/16/2025	05/10/2025	05/10/2025

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: Facilities Engineer
E-mail Address: klint.franz@matadorresources.com
Date: 07/23/2024
Phone: (972) 371-5200
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

Addendum to Natural Gas Management Plan for Matador's

Emmett 10&9-24S-28E RB 132H & Prater 10&9-24S-28E RB 133H, 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
Emmett 10&9-24S-28E RB 132H	1650	2100	2100
Prater 10&9-24S-28E RB 133H	1650	2100	2100
Prater 10&9-24S-28E RB 134H	1650	2100	2100

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.

VIII. 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

Well Name: CASSIUS FED COM	Well Location: T23S / R29E / SEC 22 / NWNE / 32.2957219 / -103.9684369	County or Parish/State: EDDY / NM
Well Number: 113H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM111416	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549239	Operator: NOVO OIL AND GAS NORTHERN DELAWARE LLC	

Subsequent Report

Sundry ID: 2801857

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 07/18/2024	Time Sundry Submitted: 03:32
Date Operation Actually Began: 07/12/2024	

Actual Procedure: 7/12/24 TD 12-1/4 Int hole @ 3204. RIH w/ 75jts, 9-5/8, J55, 36# BTC csg set @ 3189. Cmt lead w/ 495sx CI C, 3.08 yield, tail w/ 290sx CI C, 1.38 yield. Circ 135 bbls. Test casing to 1500# for 30mins, good test. Will test BOP from 250 low to 5000 high, before start of prod hole.

Received by OCD: 7/30/2024 7:30:48 AM

Page 20 of 23

Well Name: CASSIUS FED COM	Well Location: T23S / R29E / SEC 22 / NWNE / 32.2957219 / -103.9684369	County or Parish/State: EDDY / NM
Well Number: 113H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM111416	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549239	Operator: NOVO OIL AND GAS NORTHERN DELAWARE LLC	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: KANICIA SCHLICHTING	Signed on: JUL 18, 2024 03:31 PM
Name: NOVO OIL AND GAS NORTHERN DELAWARE LLC	
Title: Regulatory Specialist	
Street Address: 300 N MARIENFELD ST SUITE 1000	
City: MIDLAND	State: TX
Phone: (432) 232-2875	
Email address: KANICIA.SCHLICHTING@PERMIANRES.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: JONATHON W SHEPARD	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 07/23/2024
Signature: Jonathon Shepard	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Location of Well

0. SHL: NWN / 764 FNL / 1362 FEL / TWSP: 23S / RANGE: 29E / SECTION: 22 / LAT: 32.2957219 / LONG: -103.9684369 (TVD: 0 feet, MD: 0 feet)

PPP: NWN / 453 FNL / 1965 FEL / TWSP: 23S / RANGE: 29E / SECTION: 22 / LAT: 32.2965734 / LONG: -103.9703885 (TVD: 7325 feet, MD: 7405 feet)

BHL: NWN / 10 FNL / 1870 FEL / TWSP: 23S / RANGE: 29E / SECTION: 10 / LAT: 32.3270228 / LONG: -103.9701454 (TVD: 7845 feet, MD: 18693 feet)