District I
1625 N. French Dr., Hobbs, NM 88240
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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 370645

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

1. Operator Name and Address	2. OGRID Number
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	3. API Number 30-015-55330

4. Property Code	5. Property Name	6. Well No.
335944	Prater 10&9-24S-28E RB	133H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	11	24S	28E		1691	S	201	W	Eddy

8. Proposed Bottom Hole Location

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

9. Pool Information

MALAGA;BONE SPRING, NORTH	42800

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	2999
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	18927	Bone Spring		8/28/2024
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	7988	1365	0
Prod	6.75	5.5	20	18927	1063	7788

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 ☐ 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	[2]Pool Code	[3]Pool Name
30-015-55330	42000	Malaga; Bone Spring, North
[4]Property Code	**[5]Property Name**	**[6]Well Number**
335944	PRATER 10&9-24S-28E RB	133H
[7]OGRID No.	**[8]Operator Name**	**[9]Elevation**
229937	MATADOR PRODUCTION COMPANY	2999'

[10]Surface Location

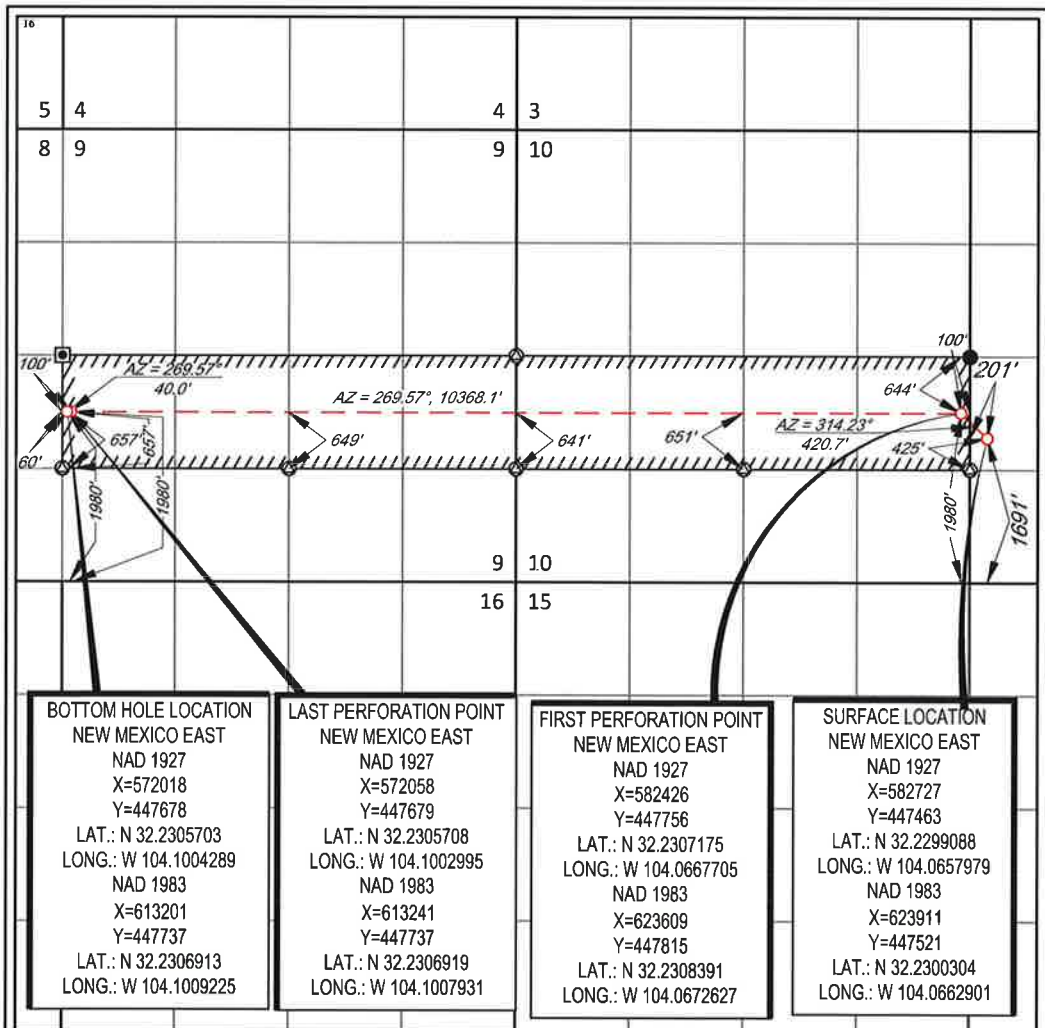
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	11	24-S	28-E	–	1691'	SOUTH	201'	WEST	EDDY

[11]Bottom 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
L	9	24-S	28-E	–	1980'	SOUTH	60'	WEST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
320			

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.



BOTTOM HOLE LOCATION	LAST PERFORATION POINT	FIRST PERFORATION POINT	SURFACE LOCATION
NEW MEXICO EAST	NEW MEXICO EAST	NEW MEXICO EAST	NEW MEXICO EAST
NAD 1927	NAD 1927	NAD 1927	NAD 1927
X=572018	X=572058	X=582426	X=582727
Y=447678	Y=447679	Y=447756	Y=447463
LAT.: N 32.2305703	LAT.: N 32.2305708	LAT.: N 32.2307175	LAT.: N 32.2299088
LONG.: W 104.1004289	LONG.: W 104.1002995	LONG.: W 104.0667705	LONG.: W 104.0657979
NAD 1983	NAD 1983	NAD 1983	NAD 1983
X=613201	X=613241	X=623609	X=623911
Y=447737	Y=447737	Y=447815	Y=447521
LAT.: N 32.2306913	LAT.: N 32.2306919	LAT.: N 32.2308391	LAT.: N 32.2300304
LONG.: W 104.1009225	LONG.: W 104.1007931	LONG.: W 104.0672627	LONG.: W 104.0662901

[17]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 unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 9/7/23 Date

Hanna Bollenbach
Printed Name

hanna.bollenbach@matadorresources.com
E-mail Address

[18]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.

02/22/2023
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. PEÑA NEW MEXICO 25116 PROFESSIONAL SURVEYOR

Certificate Number

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

Form APD Conditions

Permit 370645

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	30-015-55330
	Well: Prater 10&9-24S-28E RB #133H

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 for drilling operations, then a C-103 NOI will need to be submitted stating a closed loop system will be used prior to drilling.

Well Name: **Prater 10&9-24S-28E RB #133H**

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	7988	0	1365	0	Option to run DV tool and Packer.
PROD	OBM/Cut Brine	6.75	5.5	P-110	20.00	18927	0	1063	7788	

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: Klint Franz
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

Matador Production Company

Rustler Breaks
Prater
Prater #133H

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 #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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 #133H					
Well Position	**+N/-S**	-110.0 usft	**Northing:**	447,462.67 usft	**Latitude:**	32° 13' 47.672 N
	+E/-W	-0.9 usft	**Easting:**	582,727.09 usft	**Longitude:**	104° 3' 56.872 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	47,253.46747773

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	271.15	

Plan Survey Tool Program **Date** 9/12/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,926.1	State Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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	
980.0	0.00	0.00	980.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,303.7	3.24	319.44	1,303.5	6.9	-5.9	1.00	1.00	0.00	319.44	
7,872.0	3.24	319.44	7,861.3	288.7	-247.1	0.00	0.00	0.00	0.00	
8,087.8	0.00	0.00	8,077.0	293.3	-251.1	1.50	-1.50	0.00	180.00	KOP - Prater #133H
8,987.8	90.00	269.57	8,650.0	289.1	-824.0	10.00	10.00	0.00	269.57	BHL - Prater #133H
12,647.5	90.00	269.57	8,650.0	261.9	-4,483.6	0.00	0.00	0.00	0.00	
13,346.9	90.00	289.29	8,650.0	376.0	-5,170.2	2.82	0.00	2.82	90.01	
14,046.5	90.00	269.57	8,650.0	490.0	-5,857.0	2.82	0.00	-2.82	-89.99	
14,782.0	90.00	250.85	8,650.0	365.5	-6,578.5	2.55	0.00	-2.55	-90.00	
15,517.4	90.00	269.57	8,650.0	241.0	-7,300.0	2.55	0.00	2.55	90.00	
18,926.1	90.00	269.57	8,650.0	215.4	-10,708.6	0.00	0.00	0.00	0.00	BHL - Prater #133H

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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
78.0	0.00	0.00	78.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
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
980.0	0.00	0.00	980.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
1,000.0	0.20	319.44	1,000.0	0.0	0.0	0.0	1.00	1.00	0.00
1,039.4	0.59	319.44	1,039.4	0.2	-0.2	0.2	1.00	1.00	0.00
Castile									
1,100.0	1.20	319.44	1,100.0	1.0	-0.8	0.8	1.00	1.00	0.00
1,200.0	2.20	319.44	1,199.9	3.2	-2.7	2.8	1.00	1.00	0.00
1,303.7	3.24	319.44	1,303.5	6.9	-5.9	6.1	1.00	1.00	0.00
Start 6568.2 hold at 1303.7 MD									
1,400.0	3.24	319.44	1,399.7	11.1	-9.5	9.7	0.00	0.00	0.00
1,500.0	3.24	319.44	1,499.5	15.4	-13.2	13.5	0.00	0.00	0.00
1,600.0	3.24	319.44	1,599.4	19.7	-16.8	17.2	0.00	0.00	0.00
1,700.0	3.24	319.44	1,699.2	23.9	-20.5	21.0	0.00	0.00	0.00
1,800.0	3.24	319.44	1,799.0	28.2	-24.2	24.7	0.00	0.00	0.00
1,900.0	3.24	319.44	1,898.9	32.5	-27.8	28.5	0.00	0.00	0.00
2,000.0	3.24	319.44	1,998.7	36.8	-31.5	32.2	0.00	0.00	0.00
2,100.0	3.24	319.44	2,098.6	41.1	-35.2	36.0	0.00	0.00	0.00
2,200.0	3.24	319.44	2,198.4	45.4	-38.9	39.8	0.00	0.00	0.00
2,300.0	3.24	319.44	2,298.2	49.7	-42.5	43.5	0.00	0.00	0.00
2,400.0	3.24	319.44	2,398.1	54.0	-46.2	47.3	0.00	0.00	0.00
2,500.0	3.24	319.44	2,497.9	58.3	-49.9	51.0	0.00	0.00	0.00
2,573.3	3.24	319.44	2,571.1	61.4	-52.6	53.8	0.00	0.00	0.00
G30:CS14-CSB									
2,596.9	3.24	319.44	2,594.6	62.4	-53.4	54.7	0.00	0.00	0.00
G26: Bell Cyn.									
2,600.0	3.24	319.44	2,597.8	62.6	-53.5	54.8	0.00	0.00	0.00
2,700.0	3.24	319.44	2,697.6	66.8	-57.2	58.6	0.00	0.00	0.00
2,800.0	3.24	319.44	2,797.4	71.1	-60.9	62.3	0.00	0.00	0.00
2,900.0	3.24	319.44	2,897.3	75.4	-64.6	66.1	0.00	0.00	0.00
3,000.0	3.24	319.44	2,997.1	79.7	-68.2	69.8	0.00	0.00	0.00
3,100.0	3.24	319.44	3,097.0	84.0	-71.9	73.6	0.00	0.00	0.00
3,200.0	3.24	319.44	3,196.8	88.3	-75.6	77.3	0.00	0.00	0.00
3,300.0	3.24	319.44	3,296.6	92.6	-79.3	81.1	0.00	0.00	0.00
3,400.0	3.24	319.44	3,396.5	96.9	-82.9	84.9	0.00	0.00	0.00
3,407.2	3.24	319.44	3,403.7	97.2	-83.2	85.1	0.00	0.00	0.00
G16: Manzanita									
3,460.3	3.24	319.44	3,456.7	99.5	-85.1	87.1	0.00	0.00	0.00
G13: Cherry Cyn.									
3,500.0	3.24	319.44	3,496.3	101.2	-86.6	88.6	0.00	0.00	0.00
3,600.0	3.24	319.44	3,596.2	105.5	-90.3	92.4	0.00	0.00	0.00
3,700.0	3.24	319.44	3,696.0	109.7	-93.9	96.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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)
3,800.0	3.24	319.44	3,795.8	114.0	-97.6	99.9	0.00	0.00	0.00
3,900.0	3.24	319.44	3,895.7	118.3	-101.3	103.6	0.00	0.00	0.00
4,000.0	3.24	319.44	3,995.5	122.6	-105.0	107.4	0.00	0.00	0.00
4,100.0	3.24	319.44	4,095.4	126.9	-108.6	111.2	0.00	0.00	0.00
4,200.0	3.24	319.44	4,195.2	131.2	-112.3	114.9	0.00	0.00	0.00
4,300.0	3.24	319.44	4,295.0	135.5	-116.0	118.7	0.00	0.00	0.00
4,400.0	3.24	319.44	4,394.9	139.8	-119.6	122.4	0.00	0.00	0.00
4,500.0	3.24	319.44	4,494.7	144.1	-123.3	126.2	0.00	0.00	0.00
4,600.0	3.24	319.44	4,594.6	148.4	-127.0	129.9	0.00	0.00	0.00
4,668.9	3.24	319.44	4,663.3	151.3	-129.5	132.5	0.00	0.00	0.00
G7: Brushy Cyn.									
4,700.0	3.24	319.44	4,694.4	152.6	-130.7	133.7	0.00	0.00	0.00
4,800.0	3.24	319.44	4,794.2	156.9	-134.3	137.5	0.00	0.00	0.00
4,900.0	3.24	319.44	4,894.1	161.2	-138.0	141.2	0.00	0.00	0.00
5,000.0	3.24	319.44	4,993.9	165.5	-141.7	145.0	0.00	0.00	0.00
5,100.0	3.24	319.44	5,093.8	169.8	-145.4	148.7	0.00	0.00	0.00
5,200.0	3.24	319.44	5,193.6	174.1	-149.0	152.5	0.00	0.00	0.00
5,300.0	3.24	319.44	5,293.5	178.4	-152.7	156.3	0.00	0.00	0.00
5,400.0	3.24	319.44	5,393.3	182.7	-156.4	160.0	0.00	0.00	0.00
5,500.0	3.24	319.44	5,493.1	187.0	-160.0	163.8	0.00	0.00	0.00
5,600.0	3.24	319.44	5,593.0	191.3	-163.7	167.5	0.00	0.00	0.00
5,700.0	3.24	319.44	5,692.8	195.5	-167.4	171.3	0.00	0.00	0.00
5,800.0	3.24	319.44	5,792.7	199.8	-171.1	175.0	0.00	0.00	0.00
5,900.0	3.24	319.44	5,892.5	204.1	-174.7	178.8	0.00	0.00	0.00
6,000.0	3.24	319.44	5,992.3	208.4	-178.4	182.6	0.00	0.00	0.00
6,100.0	3.24	319.44	6,092.2	212.7	-182.1	186.3	0.00	0.00	0.00
6,200.0	3.24	319.44	6,192.0	217.0	-185.7	190.1	0.00	0.00	0.00
6,294.9	3.24	319.44	6,286.8	221.1	-189.2	193.6	0.00	0.00	0.00
G4: BSGL (CS9									
6,300.0	3.24	319.44	6,291.9	221.3	-189.4	193.8	0.00	0.00	0.00
6,400.0	3.24	319.44	6,391.7	225.6	-193.1	197.6	0.00	0.00	0.00
6,500.0	3.24	319.44	6,491.5	229.9	-196.8	201.3	0.00	0.00	0.00
6,537.2	3.24	319.44	6,528.6	231.5	-198.1	202.7	0.00	0.00	0.00
L8.2: U. Avalon Shale									
6,600.0	3.24	319.44	6,591.4	234.2	-200.4	205.1	0.00	0.00	0.00
6,642.4	3.24	319.44	6,633.7	236.0	-202.0	206.7	0.00	0.00	0.00
L6.3: Avalon Carb									
6,700.0	3.24	319.44	6,691.2	238.4	-204.1	208.9	0.00	0.00	0.00
6,764.0	3.24	319.44	6,755.1	241.2	-206.5	211.3	0.00	0.00	0.00
L6.2: L. Avalon Shale									
6,800.0	3.24	319.44	6,791.1	242.7	-207.8	212.6	0.00	0.00	0.00
6,900.0	3.24	319.44	6,890.9	247.0	-211.5	216.4	0.00	0.00	0.00
6,977.4	3.24	319.44	6,968.2	250.3	-214.3	219.3	0.00	0.00	0.00
L5.3: FBSC									
7,000.0	3.24	319.44	6,990.7	251.3	-215.1	220.1	0.00	0.00	0.00
7,100.0	3.24	319.44	7,090.6	255.6	-218.8	223.9	0.00	0.00	0.00
7,200.0	3.24	319.44	7,190.4	259.9	-222.5	227.7	0.00	0.00	0.00
7,209.9	3.24	319.44	7,200.3	260.3	-222.8	228.0	0.00	0.00	0.00
L5.1: FBSG									
7,300.0	3.24	319.44	7,290.3	264.2	-226.1	231.4	0.00	0.00	0.00
7,400.0	3.24	319.44	7,390.1	268.5	-229.8	235.2	0.00	0.00	0.00
7,446.3	3.24	319.44	7,436.3	270.5	-231.5	236.9	0.00	0.00	0.00
L4.3: SBSC									

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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)
7,500.0	3.24	319.44	7,489.9	272.8	-233.5	238.9	0.00	0.00	0.00
7,600.0	3.24	319.44	7,589.8	277.1	-237.2	242.7	0.00	0.00	0.00
7,700.0	3.24	319.44	7,689.6	281.3	-240.8	246.4	0.00	0.00	0.00
7,800.0	3.24	319.44	7,789.5	285.6	-244.5	250.2	0.00	0.00	0.00
7,872.0	3.24	319.44	7,861.3	288.7	-247.1	252.9	0.00	0.00	0.00
Start Drop -1.50									
7,900.0	2.82	319.44	7,889.3	289.8	-248.1	253.9	1.50	-1.50	0.00
7,961.5	1.89	319.44	7,950.8	291.8	-249.8	255.6	1.50	-1.50	0.00
L4.1: SBSG									
8,000.0	1.32	319.44	7,989.2	292.6	-250.5	256.3	1.50	-1.50	0.00
8,087.8	0.00	0.00	8,077.0	293.3	-251.1	257.0	1.50	-1.50	46.22
Start Build 10.00 - KOP - Prater #133H									
8,100.0	1.22	269.57	8,089.2	293.3	-251.2	257.1	10.00	10.00	-739.25
8,150.0	6.22	269.57	8,139.1	293.3	-254.5	260.3	10.00	10.00	0.00
8,200.0	11.22	269.57	8,188.5	293.3	-262.1	267.9	10.00	10.00	0.00
8,241.0	15.32	269.57	8,228.4	293.2	-271.5	277.3	10.00	10.00	0.00
L3.3: TBSC									
8,250.0	16.22	269.57	8,237.1	293.2	-273.9	279.8	10.00	10.00	0.00
8,300.0	21.22	269.57	8,284.4	293.1	-290.0	295.8	10.00	10.00	0.00
8,328.6	24.09	269.57	8,310.8	293.0	-301.0	306.8	10.00	10.00	0.00
FTP - Prater #133									
8,350.0	26.22	269.57	8,330.2	292.9	-310.1	315.9	10.00	10.00	0.00
8,400.0	31.22	269.57	8,374.0	292.7	-334.1	339.9	10.00	10.00	0.00
8,450.0	36.22	269.57	8,415.6	292.5	-361.8	367.7	10.00	10.00	0.00
8,500.0	41.22	269.57	8,454.6	292.3	-393.1	398.9	10.00	10.00	0.00
8,550.0	46.22	269.57	8,490.7	292.0	-427.7	433.4	10.00	10.00	0.00
8,600.0	51.22	269.57	8,523.7	291.8	-465.2	471.0	10.00	10.00	0.00
8,650.0	56.22	269.57	8,553.2	291.5	-505.5	511.3	10.00	10.00	0.00
8,700.0	61.22	269.57	8,579.2	291.1	-548.2	554.0	10.00	10.00	0.00
8,750.0	66.22	269.57	8,601.3	290.8	-593.1	598.8	10.00	10.00	0.00
8,800.0	71.22	269.57	8,619.5	290.5	-639.6	645.3	10.00	10.00	0.00
8,850.0	76.22	269.57	8,633.5	290.1	-687.6	693.3	10.00	10.00	0.00
8,900.0	81.22	269.57	8,643.2	289.7	-736.6	742.3	10.00	10.00	0.00
8,950.0	86.22	269.57	8,648.7	289.4	-786.3	792.0	10.00	10.00	0.00
8,987.8	90.00	269.57	8,650.0	289.1	-824.0	829.7	10.00	10.00	0.00
Start 3659.7 hold at 8987.8 MD									
9,000.0	90.00	269.57	8,650.0	289.0	-836.3	841.9	0.00	0.00	0.00
9,100.0	90.00	269.57	8,650.0	288.3	-936.3	941.9	0.00	0.00	0.00
9,200.0	90.00	269.57	8,650.0	287.5	-1,036.3	1,041.8	0.00	0.00	0.00
9,300.0	90.00	269.57	8,650.0	286.8	-1,136.3	1,141.8	0.00	0.00	0.00
9,400.0	90.00	269.57	8,650.0	286.0	-1,236.3	1,241.8	0.00	0.00	0.00
9,500.0	90.00	269.57	8,650.0	285.3	-1,336.3	1,341.7	0.00	0.00	0.00
9,600.0	90.00	269.57	8,650.0	284.5	-1,436.3	1,441.7	0.00	0.00	0.00
9,700.0	90.00	269.57	8,650.0	283.8	-1,536.3	1,541.7	0.00	0.00	0.00
9,800.0	90.00	269.57	8,650.0	283.1	-1,636.3	1,641.6	0.00	0.00	0.00
9,900.0	90.00	269.57	8,650.0	282.3	-1,736.3	1,741.6	0.00	0.00	0.00
10,000.0	90.00	269.57	8,650.0	281.6	-1,836.3	1,841.5	0.00	0.00	0.00
10,100.0	90.00	269.57	8,650.0	280.8	-1,936.3	1,941.5	0.00	0.00	0.00
10,200.0	90.00	269.57	8,650.0	280.1	-2,036.2	2,041.5	0.00	0.00	0.00
10,300.0	90.00	269.57	8,650.0	279.3	-2,136.2	2,141.4	0.00	0.00	0.00
10,400.0	90.00	269.57	8,650.0	278.6	-2,236.2	2,241.4	0.00	0.00	0.00
10,500.0	90.00	269.57	8,650.0	277.9	-2,336.2	2,341.4	0.00	0.00	0.00
10,600.0	90.00	269.57	8,650.0	277.1	-2,436.2	2,441.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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)
10,700.0	90.00	269.57	8,650.0	276.4	-2,536.2	2,541.3	0.00	0.00	0.00
10,800.0	90.00	269.57	8,650.0	275.6	-2,636.2	2,641.2	0.00	0.00	0.00
10,900.0	90.00	269.57	8,650.0	274.9	-2,736.2	2,741.2	0.00	0.00	0.00
11,000.0	90.00	269.57	8,650.0	274.1	-2,836.2	2,841.2	0.00	0.00	0.00
11,100.0	90.00	269.57	8,650.0	273.4	-2,936.2	2,941.1	0.00	0.00	0.00
11,200.0	90.00	269.57	8,650.0	272.7	-3,036.2	3,041.1	0.00	0.00	0.00
11,300.0	90.00	269.57	8,650.0	271.9	-3,136.2	3,141.1	0.00	0.00	0.00
11,400.0	90.00	269.57	8,650.0	271.2	-3,236.2	3,241.0	0.00	0.00	0.00
11,500.0	90.00	269.57	8,650.0	270.4	-3,336.2	3,341.0	0.00	0.00	0.00
11,600.0	90.00	269.57	8,650.0	269.7	-3,436.2	3,440.9	0.00	0.00	0.00
11,700.0	90.00	269.57	8,650.0	269.0	-3,536.2	3,540.9	0.00	0.00	0.00
11,800.0	90.00	269.57	8,650.0	268.2	-3,636.2	3,640.9	0.00	0.00	0.00
11,900.0	90.00	269.57	8,650.0	267.5	-3,736.2	3,740.8	0.00	0.00	0.00
12,000.0	90.00	269.57	8,650.0	266.7	-3,836.2	3,840.8	0.00	0.00	0.00
12,100.0	90.00	269.57	8,650.0	266.0	-3,936.2	3,940.7	0.00	0.00	0.00
12,200.0	90.00	269.57	8,650.0	265.2	-4,036.2	4,040.7	0.00	0.00	0.00
12,300.0	90.00	269.57	8,650.0	264.5	-4,136.2	4,140.7	0.00	0.00	0.00
12,400.0	90.00	269.57	8,650.0	263.8	-4,236.2	4,240.6	0.00	0.00	0.00
12,500.0	90.00	269.57	8,650.0	263.0	-4,336.2	4,340.6	0.00	0.00	0.00
12,600.0	90.00	269.57	8,650.0	262.3	-4,436.2	4,440.6	0.00	0.00	0.00
12,647.5	90.00	269.57	8,650.0	261.9	-4,483.6	4,488.0	0.00	0.00	0.00
Start DLS 2.82 TFO 90.01									
12,700.0	90.00	271.06	8,650.0	262.2	-4,536.2	4,540.5	2.82	0.00	2.82
12,800.0	90.00	273.87	8,650.0	266.5	-4,636.1	4,640.5	2.82	0.00	2.82
12,900.0	90.00	276.69	8,650.0	275.7	-4,735.6	4,740.2	2.82	0.00	2.82
13,000.0	90.00	279.51	8,650.0	289.8	-4,834.6	4,839.5	2.82	0.00	2.82
13,100.0	90.00	282.33	8,650.0	308.7	-4,932.8	4,938.0	2.82	0.00	2.82
13,200.0	90.00	285.15	8,650.0	332.5	-5,029.9	5,035.6	2.82	0.00	2.82
13,300.0	90.00	287.96	8,650.0	361.0	-5,125.8	5,132.0	2.82	0.00	2.82
13,346.9	90.00	289.29	8,650.0	376.0	-5,170.2	5,176.8	2.82	0.00	2.82
Start DLS 2.82 TFO -89.99									
13,400.0	90.00	287.79	8,650.0	392.8	-5,220.6	5,227.4	2.82	0.00	-2.82
13,500.0	90.00	284.97	8,650.0	421.0	-5,316.5	5,323.9	2.82	0.00	-2.82
13,600.0	90.00	282.15	8,650.0	444.5	-5,413.7	5,421.5	2.82	0.00	-2.82
13,700.0	90.00	279.34	8,650.0	463.1	-5,511.9	5,520.1	2.82	0.00	-2.82
13,800.0	90.00	276.52	8,650.0	476.9	-5,611.0	5,619.4	2.82	0.00	-2.82
13,900.0	90.00	273.70	8,650.0	485.8	-5,710.6	5,719.2	2.82	0.00	-2.82
14,000.0	90.00	270.88	8,650.0	489.8	-5,810.5	5,819.2	2.82	0.00	-2.82
14,046.5	90.00	269.57	8,650.0	490.0	-5,857.0	5,865.7	2.82	0.00	-2.82
Start DLS 2.55 TFO -90.00									
14,100.0	90.00	268.21	8,650.0	489.0	-5,910.5	5,919.1	2.55	0.00	-2.55
14,200.0	90.00	265.66	8,650.0	483.6	-6,010.3	6,018.8	2.55	0.00	-2.55
14,300.0	90.00	263.12	8,650.0	473.8	-6,109.8	6,118.1	2.55	0.00	-2.55
14,400.0	90.00	260.57	8,650.0	459.7	-6,208.8	6,216.8	2.55	0.00	-2.55
14,500.0	90.00	258.03	8,650.0	441.1	-6,307.1	6,314.7	2.55	0.00	-2.55
14,600.0	90.00	255.48	8,650.0	418.2	-6,404.4	6,411.5	2.55	0.00	-2.55
14,700.0	90.00	252.94	8,650.0	391.0	-6,500.6	6,507.2	2.55	0.00	-2.55
14,782.0	90.00	250.85	8,650.0	365.5	-6,578.5	6,584.5	2.55	0.00	-2.55
Start DLS 2.55 TFO 90.00									
14,800.0	90.00	251.31	8,650.0	359.6	-6,595.6	6,601.5	2.55	0.00	2.55
14,900.0	90.00	253.85	8,650.0	329.7	-6,691.0	6,696.3	2.55	0.00	2.55
15,000.0	90.00	256.40	8,650.0	304.0	-6,787.6	6,792.4	2.55	0.00	2.55
15,100.0	90.00	258.95	8,650.0	282.7	-6,885.3	6,889.6	2.55	0.00	2.55

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**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)
15,200.0	90.00	261.49	8,650.0	265.7	-6,983.8	6,987.8	2.55	0.00	2.55
15,300.0	90.00	264.04	8,650.0	253.1	-7,083.0	7,086.7	2.55	0.00	2.55
15,400.0	90.00	266.58	8,650.0	244.9	-7,182.7	7,186.2	2.55	0.00	2.55
15,500.0	90.00	269.13	8,650.0	241.2	-7,282.6	7,286.0	2.55	0.00	2.55
15,517.4	90.00	269.57	8,650.0	241.0	-7,300.0	7,303.4	2.55	0.00	2.55
Start 3408.7 hold at 15517.4 MD									
15,600.0	90.00	269.57	8,650.0	240.4	-7,382.6	7,386.0	0.00	0.00	0.00
15,700.0	90.00	269.57	8,650.0	239.6	-7,482.6	7,485.9	0.00	0.00	0.00
15,800.0	90.00	269.57	8,650.0	238.9	-7,582.6	7,585.9	0.00	0.00	0.00
15,900.0	90.00	269.57	8,650.0	238.1	-7,682.6	7,685.8	0.00	0.00	0.00
16,000.0	90.00	269.57	8,650.0	237.4	-7,782.6	7,785.8	0.00	0.00	0.00
16,100.0	90.00	269.57	8,650.0	236.6	-7,882.6	7,885.8	0.00	0.00	0.00
16,200.0	90.00	269.57	8,650.0	235.9	-7,982.6	7,985.7	0.00	0.00	0.00
16,300.0	90.00	269.57	8,650.0	235.1	-8,082.6	8,085.7	0.00	0.00	0.00
16,400.0	90.00	269.57	8,650.0	234.4	-8,182.6	8,185.7	0.00	0.00	0.00
16,500.0	90.00	269.57	8,650.0	233.6	-8,282.6	8,285.6	0.00	0.00	0.00
16,600.0	90.00	269.57	8,650.0	232.9	-8,382.6	8,385.6	0.00	0.00	0.00
16,700.0	90.00	269.57	8,650.0	232.1	-8,482.6	8,485.5	0.00	0.00	0.00
16,800.0	90.00	269.57	8,650.0	231.4	-8,582.6	8,585.5	0.00	0.00	0.00
16,900.0	90.00	269.57	8,650.0	230.6	-8,682.6	8,685.5	0.00	0.00	0.00
17,000.0	90.00	269.57	8,650.0	229.9	-8,782.6	8,785.4	0.00	0.00	0.00
17,100.0	90.00	269.57	8,650.0	229.1	-8,882.6	8,885.4	0.00	0.00	0.00
17,200.0	90.00	269.57	8,650.0	228.4	-8,982.6	8,985.3	0.00	0.00	0.00
17,300.0	90.00	269.57	8,650.0	227.6	-9,082.6	9,085.3	0.00	0.00	0.00
17,400.0	90.00	269.57	8,650.0	226.9	-9,182.6	9,185.3	0.00	0.00	0.00
17,500.0	90.00	269.57	8,650.0	226.1	-9,282.6	9,285.2	0.00	0.00	0.00
17,600.0	90.00	269.57	8,650.0	225.4	-9,382.6	9,385.2	0.00	0.00	0.00
17,700.0	90.00	269.57	8,650.0	224.6	-9,482.6	9,485.2	0.00	0.00	0.00
17,800.0	90.00	269.57	8,650.0	223.9	-9,582.6	9,585.1	0.00	0.00	0.00
17,900.0	90.00	269.57	8,650.0	223.1	-9,682.6	9,685.1	0.00	0.00	0.00
18,000.0	90.00	269.57	8,650.0	222.4	-9,782.5	9,785.0	0.00	0.00	0.00
18,100.0	90.00	269.57	8,650.0	221.6	-9,882.5	9,885.0	0.00	0.00	0.00
18,200.0	90.00	269.57	8,650.0	220.9	-9,982.5	9,985.0	0.00	0.00	0.00
18,300.0	90.00	269.57	8,650.0	220.1	-10,082.5	10,084.9	0.00	0.00	0.00
18,400.0	90.00	269.57	8,650.0	219.4	-10,182.5	10,184.9	0.00	0.00	0.00
18,500.0	90.00	269.57	8,650.0	218.6	-10,282.5	10,284.9	0.00	0.00	0.00
18,600.0	90.00	269.57	8,650.0	217.9	-10,382.5	10,384.8	0.00	0.00	0.00
18,700.0	90.00	269.57	8,650.0	217.1	-10,482.5	10,484.8	0.00	0.00	0.00
18,800.0	90.00	269.57	8,650.0	216.4	-10,582.5	10,584.7	0.00	0.00	0.00
18,900.0	90.00	269.57	8,650.0	215.6	-10,682.5	10,684.7	0.00	0.00	0.00
18,926.1	90.00	269.57	8,650.0	215.4	-10,708.6	10,710.8	0.00	0.00	0.00
TD at 18926.1 - BHL - Prater #133H									

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well Prater #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3027.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3027.5usft
Site:	Prater	**North Reference:**	Grid
Well:	Prater #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - Prater #133H - plan hits target center - Point	0.00	0.00	8,077.0	293.3	-251.1	447,756.00	582,476.00	32° 13' 50.581 N	104° 3' 59.787 W
FTP - Prater #133 - plan misses target center by 0.1usft at 8328.6usft MD (8310.8 TVD, 293.0 N, -301.0 E) - Point	0.00	0.00	8,310.9	292.9	-300.9	447,755.55	582,426.20	32° 13' 50.577 N	104° 4' 0.367 W
BHL - Prater #133H - plan misses target center by 0.3usft at 18926.1usft MD (8650.0 TVD, 215.4 N, -10708.6 E) - Point	0.00	0.00	8,650.0	215.7	-10,708.6	447,678.37	572,017.97	32° 13' 50.053 N	104° 6' 1.544 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
78.0	78.0	Salado			
1,039.4	1,039.4	Castile			
2,573.3	2,571.1	G30:CS14-CSB			
2,596.9	2,594.6	G26: Bell Cyn.			
3,407.2	3,403.7	G16: Manzanita			
3,460.3	3,456.7	G13: Cherry Cyn.			
4,668.9	4,663.3	G7: Brushy Cyn.			
6,294.9	6,286.8	G4: BSGL (CS9			
6,537.2	6,528.6	L8.2: U. Avalon Shale			
6,642.4	6,633.7	L6.3: Avalon Carb			
6,764.0	6,755.1	L6.2: L. Avalon Shale			
6,977.4	6,968.2	L5.3: FBSC			
7,209.9	7,200.3	L5.1: FBSG			
7,446.3	7,436.3	L4.3: SBSC			
7,961.5	7,950.8	L4.1: SBSG			
8,241.0	8,228.4	L3.3: TBSC			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
980.0	980.0	0.0	0.0	Start Build 1.00
1,303.7	1,303.5	6.9	-5.9	Start 6568.2 hold at 1303.7 MD
7,872.0	7,861.3	288.7	-247.1	Start Drop -1.50
8,087.8	8,077.0	293.3	-251.1	Start Build 10.00
8,987.8	8,650.0	289.1	-824.0	Start 3659.7 hold at 8987.8 MD
12,647.5	8,650.0	261.9	-4,483.6	Start DLS 2.82 TFO 90.01
13,346.9	8,650.0	376.0	-5,170.2	Start DLS 2.82 TFO -89.99
14,046.5	8,650.0	490.0	-5,857.0	Start DLS 2.55 TFO -90.00
14,782.0	8,650.0	365.5	-6,578.5	Start DLS 2.55 TFO 90.00
15,517.4	8,650.0	241.0	-7,300.0	Start 3408.7 hold at 15517.4 MD
18,926.1	8,650.0	215.4	-10,708.6	TD at 18926.1

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

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division Hobbs District Office

BRADENHEAD TEST REPORT

Operator Name	API Number
Big Star Investments, LLC	30-025-25241
Property Name	**Well No.**
Santa Fe	#2 SWD

Surface Location

UL - Lot	Section	Township	Range		Feet from	N/S Line	Feet From	E/W Line	County
D	35	10S	36E		660'	N	660'	W	Lea

Well Status

TA'D WELL	SHUT-IN	INJECTOR	PRODUCER	DATE
YES (NO)	YES (NO)	INJ (SWD)	OIL GAS	7-31-2024

OBSERVED DATA

	(A)Surface	(B)Interm(1)	(C)Interm(2)	(D)Prod Csng	(E)Tubing
Pressure	0	NA	NA	0	0
Flow Characteristics					CO2 ___ WTR X GAS ___ Type of Fluid Injected for Waterflood if applies.
Puff	Y / (N)	Y / N	Y / N	Y / (N)	
Steady Flow	Y / (N)	Y / N	Y / N	Y / (N)	
Surges	Y / (N)	Y / N	Y / N	Y / (N)	
Down to nothing	(Y) / N	Y / N	Y / N	(Y) / N	
Gas or Oil	Y / (N)	Y / N	Y / N	Y / (N)	
Water	Y / (N)	Y / N	Y / N	Y / (N)	

Remarks – Please state for each string (A,B,C,D,E) pertinent information regarding bleed down or continuous build up if applies.

All ok

Signature: Dale Hale		OIL CONSERVATION DIVISION
Printed name: Dale Hale		Entered into RBDMS
Title: Pumper		Re-test
E-mail Address:		
Date: 7-31-2024	Phone:	GA
	Witness:	

INSTRUCTIONS ON BACK OF THIS FORM