

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

Form C-101
August 1, 2011

Permit 407268

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

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
4. Property Code 338801						3. API Number 30-025-55887
5. Property Name BJ FRAZIER STATE						6. Well No. 110H

7. Surface Location

UL - Lot M	Section 36	Township 23S	Range 35E	Lot Idn 140	Feet From 140	N/S Line S	Feet From 21	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot N	Section 36	Township 23S	Range 35E	Lot Idn N	Feet From 110	N/S Line S	Feet From 1980	E/W Line W	County Lea
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9. Pool Information

WC-025 G-08 S233528D;LWR BONE SPRIN	97958
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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 3483
16. Multiple N	17. Proposed Depth 20215	18. Formation Bone Spring	19. Contractor	20. Spud Date 7/17/2026
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	1947	1229	0
Int1	12.25	9.625	40	5688	1621	0
Prod	8.75	5.5	20	20215	1918	5488

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig. Option to cement surface casing offline Option to run DV tool and Packer. Option to drill 7.875" production hole.

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 hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Brett A Jennings	Approved By: Jeffrey Harrison	
Title: Regulatory Analyst	Title: Petroleum Specialist III	
Email Address: brett.jennings@matadorresources.com	Approved Date: 1/29/2026	Expiration Date: 1/29/2028
Date: 1/15/2026	Phone: 972-629-2160	Conditions of Approval Attached

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-55887	Pool Code 97958	Pool Name WC-025 G-08 S233528D:LWR BONE SPRING WILDCAT, BONE SPRING
Property Code 338801	Property Name BJ FRAZIER STATE	Well Number 110H
OGRID No. 288937- 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3483'
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal	Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal	

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	36	23-S	35-E	-	140' S	21' W	N 32.2542225	W 103.3297597	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	36	23-S	35-E	-	110' S	1980' W	N 32.2541383	W 103.3234219	LEA

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API PENDING	Overlapping Spacing Unit (Y/N) N	Consolidated Code C
Order Numbers	N/A			

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	36	23-S	35-E	-	50' S	660' W	N 32.2539749	W 103.3276917	LEA

First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
M	36	23-S	35-E	-	100' S	660' W	N 32.2541123	W 103.3276915	LEA

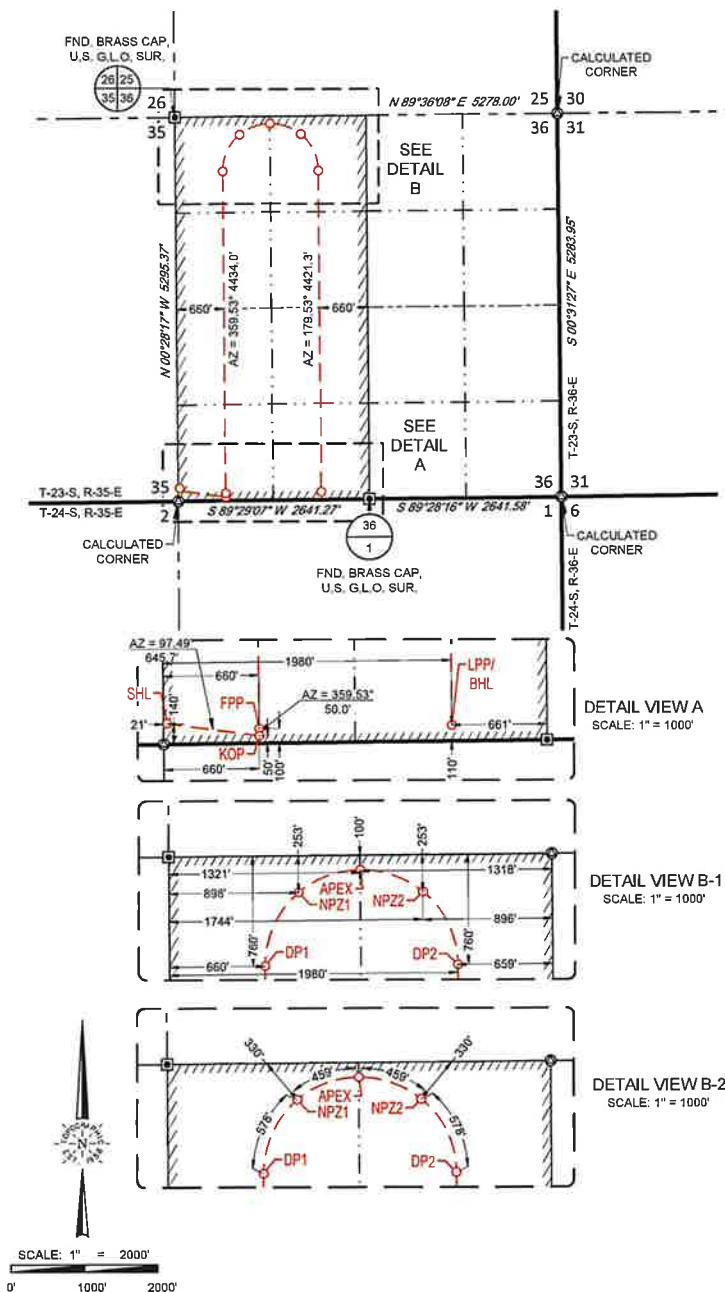
Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	36	23-S	35-E	-	110' S	1980' W	N 32.2541383	W 103.3234219	LEA

Unitized Area or Area of Uniform Interest N/A	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3483'
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OPERATOR CERTIFICATION		SURVEYORS CERTIFICATION	
<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</p> <p><i>Chase Galloway</i> <i>1/13/2026</i></p>		<p>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 and correct to the best of my belief.</p> <p><i>Angel M. Frazier</i> <i>25116</i> <i>1/13/26</i></p>	
Signature <i>Chase Galloway</i>	Date <i>1/13/2026</i>	Signature and Seal of Professional Surveyor <i>Angel M. Frazier</i>	Date <i>1/13/26</i>
Print Name Chase.galloway@matadorresources.com	E-mail Address	Certificate Number	Date of Survey 9/10/2025

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024			
		Submittal Type: <input checked="" type="checkbox"/> Initial Submittal <input type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled			
Property Name and Well Number BJ FRAZIER STATE 110H					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> SURFACE LOCATION (SHL) NEW MEXICO EAST NAD 1983 X=851579 Y=457670 LAT.: N 32.2542225 LONG.: W 103.3297597 NAD 1927 X=810394 Y=457610 LAT.: N 32.2540963 LONG.: W 103.3292898 140' FSL 21' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> KICK OFF POINT (KOP) NEW MEXICO EAST NAD 1983 X=852219 Y=457585 LAT.: N 32.2539749 LONG.: W 103.3276917 NAD 1927 X=811034 Y=457526 LAT.: N 32.2538487 LONG.: W 103.3272219 50' FSL 660' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> FIRST PERF. POINT (FPP) NEW MEXICO EAST NAD 1983 X=852219 Y=457635 LAT.: N 32.2541123 LONG.: W 103.3276915 NAD 1927 X=811033 Y=457576 LAT.: N 32.2539861 LONG.: W 103.3272217 100' FSL 660' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEFLECTION POINT (DP1) NEW MEXICO EAST NAD 1983 X=852182 Y=462069 LAT.: N 32.2662996 LONG.: W 103.3276751 NAD 1927 X=810997 Y=462010 LAT.: N 32.2661735 LONG.: W 103.3272049 760' FNL 660' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> NON PERF. ZONE (NPZ1) NEW MEXICO EAST NAD 1983 X=852416 Y=462578 LAT.: N 32.2676906 LONG.: W 103.3269043 NAD 1927 X=811231 Y=462518 LAT.: N 32.2675646 LONG.: W 103.3264340 253' FNL 898' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> U-TURN APEX (APEX) NEW MEXICO EAST NAD 1983 X=852837 Y=462734 LAT.: N 32.2681092 LONG.: W 103.3255348 NAD 1927 X=811652 Y=462674 LAT.: N 32.2679832 LONG.: W 103.3250646 100' FNL 1321' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> NON PERF. ZONE (NPZ2) NEW MEXICO EAST NAD 1983 X=853261 Y=462583 LAT.: N 32.2676849 LONG.: W 103.3241678 NAD 1927 X=812076 Y=462524 LAT.: N 32.2675589 LONG.: W 103.3236976 253' FNL 1744' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> DEFLECTION POINT (DP2) NEW MEXICO EAST NAD 1983 X=853502 Y=462078 LAT.: N 32.2662907 LONG.: W 103.3234050 NAD 1927 X=812317 Y=462019 LAT.: N 32.2661646 LONG.: W 103.3229349 760' FNL 1980' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> LAST PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST NAD 1983 X=853538 Y=457657 LAT.: N 32.2541383 LONG.: W 103.3234219 NAD 1927 X=812353 Y=457598 LAT.: N 32.2540121 LONG.: W 103.3229522 110' FSL 1980' FWL </div> <div style="width: 45%;"> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> SURVEYORS CERTIFICATION <p>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 and correct to the best of my belief.</p> <p>9/10/2025</p> </div> <div style="width: 45%;"> Date of Survey Signature and Seal of Professional Surveyor: </div> </div>					
<div style="text-align: center;"> </div>					

SECTION 36, TOWNSHIP 23-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEASE NAME & WELL NO.: BJ FRAZIER STATE 110H

SECTION 36 TWP 23-S RGE 35-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 140' FSL & 21' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 & NM-18 N. GO NORTH ON NM-18 ±6.3 MILES.
THENCE WEST (LEFT) ON COOPER CEMETERY RD ±7.2 MILES, THENCE
NORTH (RIGHT) ON A LEASE RD. ±3.7 MILES, THENCE CONTINUE ON A
PROPOSED RD. ±565 FEET TO A POINT ±166 FEET SOUTHWEST OF THE
LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW
MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY
SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA
PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS
ON EASEMENT SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR
THIS TRANSACTION ONLY.
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED
LOCATION ARE SHOWN HEREON.

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=851579 Y=457670
LAT.: N 32.2542225
LONG.: W 103.3297597

140' FSL 21' FWL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=852219 Y=457585
LAT.: N 32.2539749
LONG.: W 103.3276917

50' FSL 660' FWL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=852219 Y=457635
LAT.: N 32.2541123
LONG.: W 103.3276915

100' FSL 660' FWL

DEFLECTION POINT (DP1)

NEW MEXICO EAST
NAD 1983
X=852182 Y=462069
LAT.: N 32.2662996
LONG.: W 103.3276751

760' FNL 660' FWL

NON PERF. ZONE (NPZ1)

NEW MEXICO EAST
NAD 1983
X=852416 Y=462578
LAT.: N 32.2676906
LONG.: W 103.3269043

253' FNL 898' FWL

U-TURN APEX (APEX)

NEW MEXICO EAST
NAD 1983
X=852837 Y=462734
LAT.: N 32.2681092
LONG.: W 103.3255348

100' FNL 1321' FWL

NON PERF. ZONE (NPZ2)

NEW MEXICO EAST
NAD 1983
X=853261 Y=462583
LAT.: N 32.2676849
LONG.: W 103.3241678

253' FNL 1744' FWL

DEFLECTION POINT (DP2)

NEW MEXICO EAST
NAD 1983
X=853502 Y=462078
LAT.: N 32.2662907
LONG.: W 103.3234050

760' FNL 1980' FWL

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

NEW MEXICO EAST
NAD 1983
X=853538 Y=457657
LAT.: N 32.2541383
LONG.: W 103.3234219

110' FSL 1980' FWL

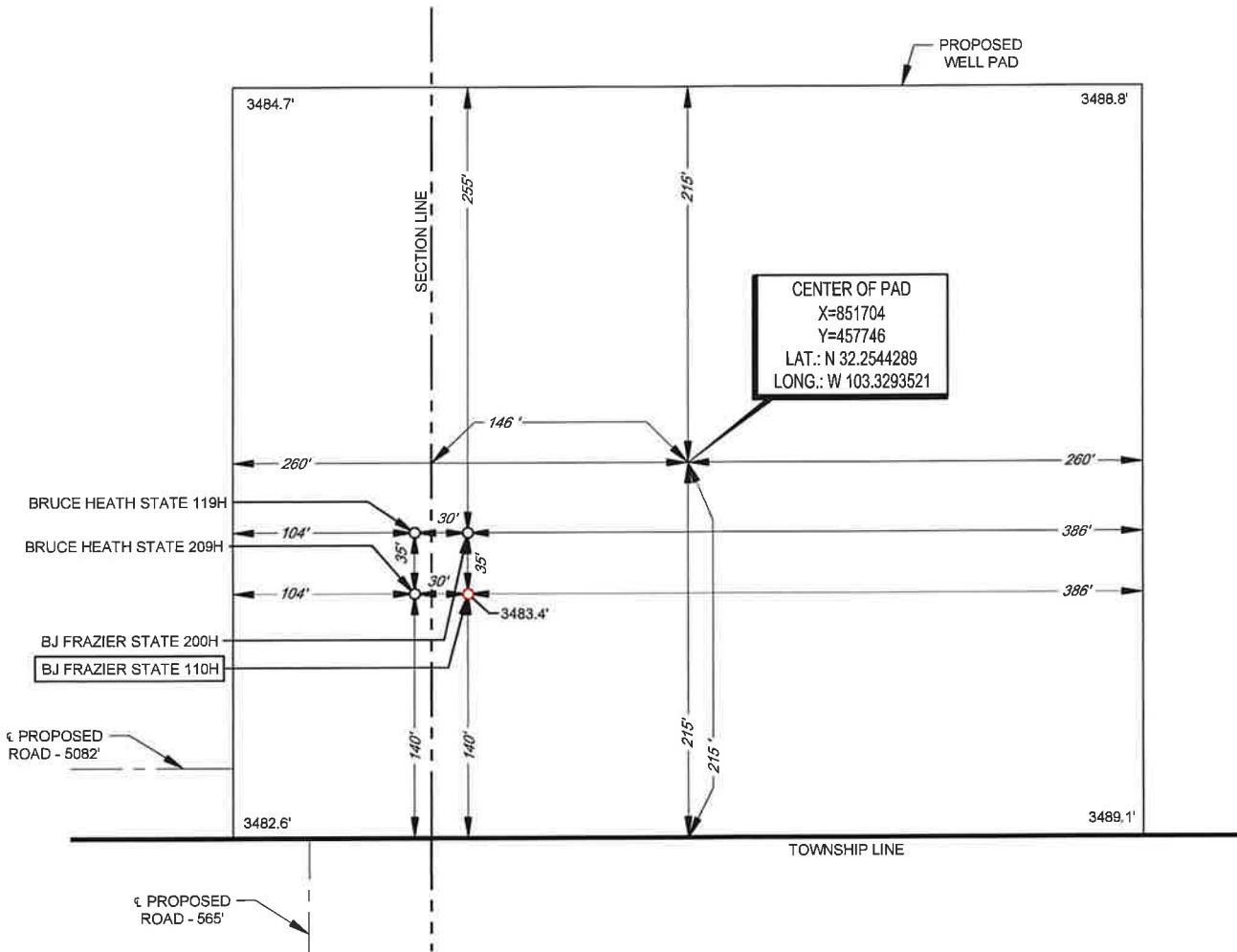


Angel M. Baeza, P.S. No. 25116





SECTION 36, TOWNSHIP 23-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET, ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

S:\SURVEY\MATADOR_RESOURCES\BRUCE_HEATH_35-23S-35E\FINAL_PRODUCTS\LO_BJ_FRAZIER_STATE_110H_REV1.DWG 1/13/2026 8:32:49 AM adisabella



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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 Comments

Permit 407268

PERMIT COMMENTS

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55887
	Well: BJ FRAZIER STATE #110H

Created By	Comment	Comment Date
jeffrey.harrison	Submitted as defining well.	1/29/2026

Sante Fe Main Office
Phone: (505) 476-3441

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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 407268

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-025-55887
	Well: BJ FRAZIER STATE #110H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	The OCD is currently reviewing the areas containing the Capitan Reef Aquifer and may expand the designated 4-string casing area to encompass additional portions of it in the future.
jeffrey.harrison	This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately below the Capitan Reef.
jeffrey.harrison	In Capitan Reef areas if lost circulation (50% or greater) occurs below the base of the salt, the operator shall switch to freshwater mud until the intermediate casing is set.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	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.
jeffrey.harrison	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.

Addendum to Natural Gas Management Plan for Matador's
BJ Frazier State 110H

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
BJ Frazier State 110H	900	1,500	1,700

VII. Operation Practices

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

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

VII. Best Management Practices

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

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device

- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

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

Submit Electronically
 Via E-permitting

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 01/05/2026

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
BJ Frazier State 110H	TBD	M-36-23S-35E	175' FSL & 20' FWL	900	1,500	1,700

IV. Central Delivery Point Name: Bruce Heath 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
BJ Frazier State 110H	TBD	07/17/2026	08/15/2026	09/21/2026	10/22/2026	10/22/2026

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:	Oscar Gonzalez
Title:	Facilities Engineer
E-mail Address:	ogonzalez@matadorresources.com
Date:	01/05/2026
Phone:	972 - 629 - 2147
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Matador Production Company

Antelope Ridge

BJ Frazier

BJ Frazier State #110H

Wellbore #1

State Plan #1

Anticollision Summary Report

05 January, 2026

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well BJ Frazier State #110H
Project:	Antelope Ridge	TVD Reference:	KB @ 3511.5usft
Reference Site:	BJ Frazier	MD Reference:	KB @ 3511.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	BJ Frazier State #110H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	1/5/2026	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	20,214.3	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary		Reference	Offset	Distance			Warning
Site Name	Offset Well - Wellbore - Design	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor	
BJ Frazier	BJ Frazier State #200H - Wellbore #1 - State Plan #1	4,186.8	4,186.9	34.6	5.1	1.172	Level 2, CC
	BJ Frazier State #200H - Wellbore #1 - State Plan #1	4,200.0	4,200.1	34.6	5.0	1.169	Level 2, ES, SF
Bruce Heath	Bruce Heath State #209H - Wellbore #1 - State Plan #1	4,000.0	4,001.0	30.0	1.8	1.064	Level 2, CC, ES, SF

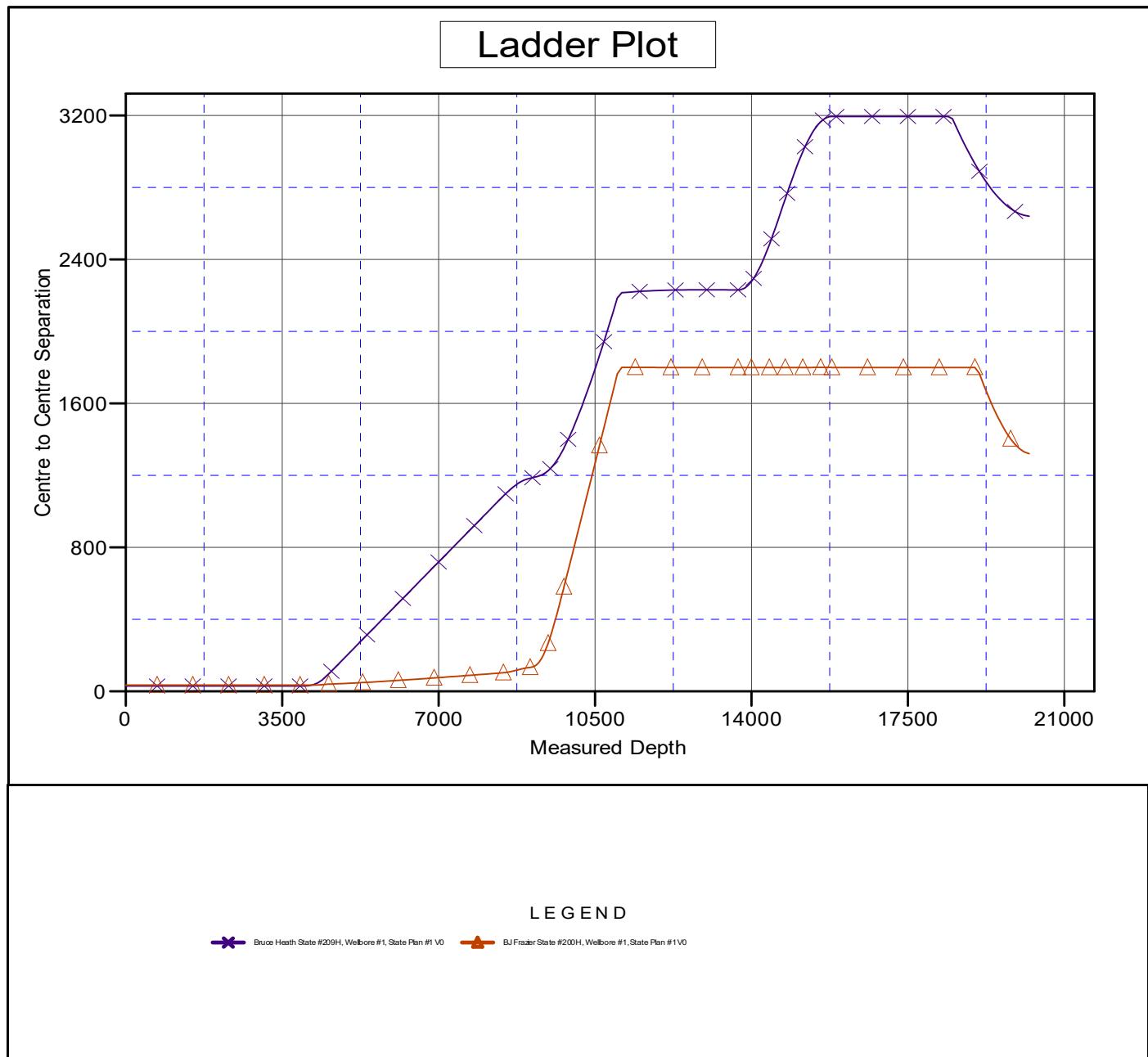
Anticollision Summary Report

Company: Matador Production Company
Project: Antelope Ridge
Reference Site: BJ Frazier
Site Error: 0.0 usft
Reference Well: BJ Frazier State #110H
Well Error: 0.0 usft
Reference Wellbore: Wellbore #1
Reference Design: State Plan #1

Local Co-ordinate Reference: Well BJ Frazier State #110H
TVD Reference: KB @ 3511.5usft
MD Reference: KB @ 3511.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB @ 3511.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: BJ Frazier State #110H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.54°



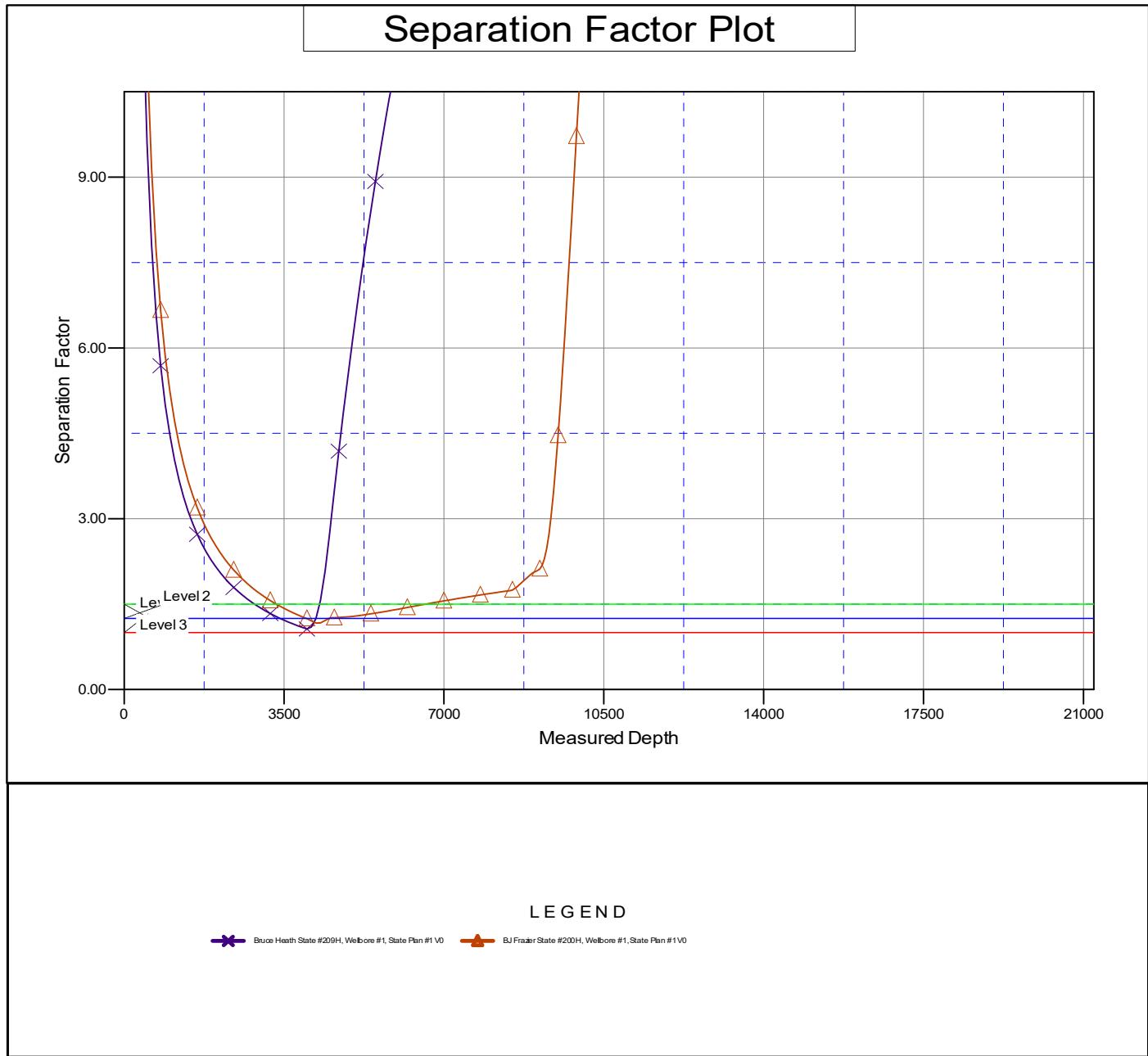
Anticollision Summary Report

Company: Matador Production Company
Project: Antelope Ridge
Reference Site: BJ Frazier
Site Error: 0.0 usft
Reference Well: BJ Frazier State #110H
Well Error: 0.0 usft
Reference Wellbore: Wellbore #1
Reference Design: State Plan #1

Local Co-ordinate Reference: Well BJ Frazier State #110H
TVD Reference: KB @ 3511.5usft
MD Reference: KB @ 3511.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at: 2.00 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB @ 3511.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: BJ Frazier State #110H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.54°



L E G E N D

—x— Bruce Heath State #209H, Wellbore #1, State Plan #1 VO —△— BJ Frazier State #200H, Wellbore #1, State Plan #1 VO

Matador Production Company

Antelope Ridge

BJ Frazier

BJ Frazier State #110H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

05 January, 2026

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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Project	Antelope Ridge		
Map System: Geo Datum: Map Zone:	US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS) New Mexico East 3001	System Datum:	Mean Sea Level

Site	BJ Frazier		
Site Position: From: Position Uncertainty:	Lat/Long 0.0 usft	Northing: Easting: Slot Radius:	457,609.86 usft 810,393.66 usft 13-3/16 "

Well	BJ Frazier State #110H		
Well Position	+N/S +E/W	0.0 usft 0.0 usft	Northing: Easting:

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.01	60.02	47,204.37749646

Design	State Plan #1				
Audit Notes:					
Version:	1	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	359.53

Plan Survey Tool Program	Date	1/5/2026		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,214.3 State Plan #1 (Wellbore #1)	MWD OWSG MWD - Standard	

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
4,542.1	6.84	99.40	4,541.3	-3.3	20.1	2.00	2.00	0.00	99.40	
8,450.6	6.84	99.40	8,421.9	-79.4	479.5	0.00	0.00	0.00	0.00	
8,906.7	0.00	0.00	8,877.0	-83.9	506.3	1.50	-1.50	0.00	180.00	KOP - BJ Frazier St
9,806.7	90.00	3.43	9,450.0	488.1	540.6	10.00	10.00	0.00	3.43	
12,594.6	90.00	359.53	9,450.0	3,274.5	612.6	0.14	0.00	-0.14	-90.01	
13,720.3	90.00	359.53	9,450.0	4,400.1	603.3	0.00	0.00	0.00	0.00	DP1 - BJ Frazier St
14,756.7	90.00	89.69	9,450.0	5,064.1	1,258.3	8.70	0.00	8.70	90.00	Apex - BJ Frazier St
15,792.8	90.00	179.44	9,450.0	4,409.1	1,923.3	8.66	0.00	8.66	90.00	DP2 - BJ Frazier St
15,797.2	90.00	179.53	9,450.0	4,404.8	1,923.4	2.00	0.02	2.00	89.37	
20,214.3	90.00	179.53	9,450.0	-12.2	1,959.6	0.00	0.00	0.00	0.00	BHL - BJ Frazier St

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	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
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,911.5	0.00	0.00	1,911.5	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,282.0	0.00	0.00	2,282.0	0.0	0.0	0.0	0.00	0.00	0.00
Salado									
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,956.0	0.00	0.00	3,956.0	0.0	0.0	0.0	0.00	0.00	0.00
Base Salt/Tansill									
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
4,265.0	1.30	99.40	4,265.0	-0.1	0.7	-0.1	2.00	2.00	0.00
Yates									
4,300.0	2.00	99.40	4,300.0	-0.3	1.7	-0.3	2.00	2.00	0.00
4,400.0	4.00	99.40	4,399.8	-1.1	6.9	-1.2	2.00	2.00	0.00

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,500.0	6.00	99.40	4,499.5	-2.6	15.5	-2.7	2.00	2.00	0.00
4,542.1	6.84	99.40	4,541.3	-3.3	20.1	-3.5	2.00	2.00	0.00
Start 3908.5 hold at 4542.1 MD									
4,600.0	6.84	99.40	4,598.8	-4.5	26.9	-4.7	0.00	0.00	0.00
4,700.0	6.84	99.40	4,698.1	-6.4	38.7	-6.7	0.00	0.00	0.00
4,706.5	6.84	99.40	4,704.5	-6.5	39.4	-6.9	0.00	0.00	0.00
Capitan									
4,800.0	6.84	99.40	4,797.4	-8.4	50.4	-8.8	0.00	0.00	0.00
4,900.0	6.84	99.40	4,896.6	-10.3	62.2	-10.8	0.00	0.00	0.00
5,000.0	6.84	99.40	4,995.9	-12.2	73.9	-12.9	0.00	0.00	0.00
5,100.0	6.84	99.40	5,095.2	-14.2	85.7	-14.9	0.00	0.00	0.00
5,200.0	6.84	99.40	5,194.5	-16.1	97.5	-16.9	0.00	0.00	0.00
5,300.0	6.84	99.40	5,293.8	-18.1	109.2	-19.0	0.00	0.00	0.00
5,400.0	6.84	99.40	5,393.1	-20.0	121.0	-21.0	0.00	0.00	0.00
5,451.3	6.84	99.40	5,444.0	-21.0	127.0	-22.1	0.00	0.00	0.00
G26: Bell Cyn.									
5,500.0	6.84	99.40	5,492.4	-22.0	132.7	-23.1	0.00	0.00	0.00
5,600.0	6.84	99.40	5,591.7	-23.9	144.5	-25.1	0.00	0.00	0.00
5,700.0	6.84	99.40	5,690.9	-25.9	156.2	-27.2	0.00	0.00	0.00
5,800.0	6.84	99.40	5,790.2	-27.8	168.0	-29.2	0.00	0.00	0.00
5,900.0	6.84	99.40	5,889.5	-29.8	179.7	-31.2	0.00	0.00	0.00
5,999.2	6.84	99.40	5,988.0	-31.7	191.4	-33.3	0.00	0.00	0.00
G13: Cherry Cyn.									
6,000.0	6.84	99.40	5,988.8	-31.7	191.5	-33.3	0.00	0.00	0.00
6,100.0	6.84	99.40	6,088.1	-33.7	203.2	-35.3	0.00	0.00	0.00
6,200.0	6.84	99.40	6,187.4	-35.6	215.0	-37.4	0.00	0.00	0.00
6,300.0	6.84	99.40	6,286.7	-37.6	226.7	-39.4	0.00	0.00	0.00
6,400.0	6.84	99.40	6,386.0	-39.5	238.5	-41.5	0.00	0.00	0.00
6,500.0	6.84	99.40	6,485.2	-41.4	250.2	-43.5	0.00	0.00	0.00
6,600.0	6.84	99.40	6,584.5	-43.4	262.0	-45.5	0.00	0.00	0.00
6,700.0	6.84	99.40	6,683.8	-45.3	273.7	-47.6	0.00	0.00	0.00
6,800.0	6.84	99.40	6,783.1	-47.3	285.5	-49.6	0.00	0.00	0.00
6,900.0	6.84	99.40	6,882.4	-49.2	297.3	-51.7	0.00	0.00	0.00
7,000.0	6.84	99.40	6,981.7	-51.2	309.0	-53.7	0.00	0.00	0.00
7,100.0	6.84	99.40	7,081.0	-53.1	320.8	-55.8	0.00	0.00	0.00
7,200.0	6.84	99.40	7,180.3	-55.1	332.5	-57.8	0.00	0.00	0.00
7,300.0	6.84	99.40	7,279.5	-57.0	344.3	-59.8	0.00	0.00	0.00
7,340.2	6.84	99.40	7,319.5	-57.8	349.0	-60.7	0.00	0.00	0.00
G7: Brushy Cyn.									
7,400.0	6.84	99.40	7,378.8	-59.0	356.0	-61.9	0.00	0.00	0.00
7,500.0	6.84	99.40	7,478.1	-60.9	367.8	-63.9	0.00	0.00	0.00
7,600.0	6.84	99.40	7,577.4	-62.9	379.5	-66.0	0.00	0.00	0.00
7,700.0	6.84	99.40	7,676.7	-64.8	391.3	-68.0	0.00	0.00	0.00
7,800.0	6.84	99.40	7,776.0	-66.8	403.0	-70.1	0.00	0.00	0.00
7,900.0	6.84	99.40	7,875.3	-68.7	414.8	-72.1	0.00	0.00	0.00
8,000.0	6.84	99.40	7,974.6	-70.6	426.5	-74.1	0.00	0.00	0.00
8,100.0	6.84	99.40	8,073.8	-72.6	438.3	-76.2	0.00	0.00	0.00
8,200.0	6.84	99.40	8,173.1	-74.5	450.0	-78.2	0.00	0.00	0.00
8,300.0	6.84	99.40	8,272.4	-76.5	461.8	-80.3	0.00	0.00	0.00
8,400.0	6.84	99.40	8,371.7	-78.4	473.6	-82.3	0.00	0.00	0.00
8,450.6	6.84	99.40	8,421.9	-79.4	479.5	-83.3	0.00	0.00	0.00
Start Drop -1.50									
8,493.9	6.19	99.40	8,465.0	-80.2	484.3	-84.2	1.50	-1.50	0.00

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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)	
G4: BSGL (CS9)										
8,500.0	6.10	99.40	8,471.0	-80.3	485.0	-84.3	1.50	-1.50	0.00	
8,600.0	4.60	99.40	8,570.6	-81.8	494.2	-85.9	1.50	-1.50	0.00	
8,700.0	3.10	99.40	8,670.4	-82.9	500.8	-87.1	1.50	-1.50	0.00	
8,800.0	1.60	99.40	8,770.3	-83.6	504.9	-87.8	1.50	-1.50	0.00	
8,891.7	0.23	99.40	8,862.0	-83.9	506.3	-88.0	1.50	-1.50	0.00	
L6.3: Avalon Carb										
8,900.0	0.10	99.40	8,870.3	-83.9	506.3	-88.0	1.50	-1.50	0.00	
8,906.7	0.00	0.00	8,877.0	-83.9	506.3	-88.0	1.50	-1.50	-1,476.90	
Start Build 10.00 - KOP - BJ Frazier State #110H										
9,000.0	9.33	3.43	8,969.9	-76.3	506.8	-80.5	10.00	10.00	3.68	
9,100.0	19.33	3.43	9,066.6	-51.6	508.3	-55.8	10.00	10.00	0.00	
9,148.1	24.14	3.43	9,111.3	-33.9	509.3	-38.0	10.00	10.00	0.00	
FTP - BJ Frazier State #110H										
9,200.0	29.33	3.43	9,157.6	-10.6	510.7	-14.8	10.00	10.00	0.00	
9,300.0	39.33	3.43	9,240.1	45.7	514.1	41.4	10.00	10.00	0.00	
9,400.0	49.33	3.43	9,311.6	115.3	518.3	111.1	10.00	10.00	0.00	
9,500.0	59.33	3.43	9,369.8	196.3	523.1	192.0	10.00	10.00	0.00	
9,600.0	69.33	3.43	9,413.1	286.2	528.5	281.8	10.00	10.00	0.00	
9,640.5	73.37	3.43	9,426.0	324.4	530.8	320.0	10.00	10.00	0.00	
L5.1: FBSG										
9,700.0	79.33	3.43	9,440.0	382.1	534.3	377.8	10.00	10.00	0.00	
9,800.0	89.33	3.43	9,449.9	481.4	540.2	476.9	10.00	10.00	0.00	
9,806.7	90.00	3.43	9,450.0	488.1	540.6	483.6	10.00	10.00	0.00	
Start DLS 0.14 TFO -90.01										
9,900.0	90.00	3.30	9,450.0	581.2	546.1	576.7	0.14	0.00	-0.14	
10,000.0	90.00	3.16	9,450.0	681.0	551.7	676.5	0.14	0.00	-0.14	
10,100.0	90.00	3.02	9,450.0	780.9	557.1	776.3	0.14	0.00	-0.14	
10,200.0	90.00	2.88	9,450.0	880.7	562.3	876.1	0.14	0.00	-0.14	
10,300.0	90.00	2.74	9,450.0	980.6	567.2	975.9	0.14	0.00	-0.14	
10,400.0	90.00	2.60	9,450.0	1,080.5	571.8	1,075.8	0.14	0.00	-0.14	
10,500.0	90.00	2.46	9,450.0	1,180.4	576.2	1,175.6	0.14	0.00	-0.14	
10,600.0	90.00	2.32	9,450.0	1,280.3	580.4	1,275.5	0.14	0.00	-0.14	
10,700.0	90.00	2.18	9,450.0	1,380.3	584.3	1,375.4	0.14	0.00	-0.14	
10,800.0	90.00	2.04	9,450.0	1,480.2	588.0	1,475.3	0.14	0.00	-0.14	
10,900.0	90.00	1.90	9,450.0	1,580.1	591.4	1,575.2	0.14	0.00	-0.14	
11,000.0	90.00	1.76	9,450.0	1,680.1	594.6	1,675.1	0.14	0.00	-0.14	
11,100.0	90.00	1.62	9,450.0	1,780.0	597.6	1,775.1	0.14	0.00	-0.14	
11,200.0	90.00	1.48	9,450.0	1,880.0	600.3	1,875.0	0.14	0.00	-0.14	
11,300.0	90.00	1.34	9,450.0	1,980.0	602.8	1,975.0	0.14	0.00	-0.14	
11,400.0	90.00	1.20	9,450.0	2,079.9	605.0	2,074.9	0.14	0.00	-0.14	
11,500.0	90.00	1.06	9,450.0	2,179.9	607.0	2,174.9	0.14	0.00	-0.14	
11,600.0	90.00	0.92	9,450.0	2,279.9	608.7	2,274.8	0.14	0.00	-0.14	
11,700.0	90.00	0.78	9,450.0	2,379.9	610.2	2,374.8	0.14	0.00	-0.14	
11,800.0	90.00	0.64	9,450.0	2,479.9	611.4	2,474.8	0.14	0.00	-0.14	
11,900.0	90.00	0.50	9,450.0	2,579.9	612.4	2,574.8	0.14	0.00	-0.14	
12,000.0	90.00	0.36	9,450.0	2,679.9	613.2	2,674.8	0.14	0.00	-0.14	
12,100.0	90.00	0.22	9,450.0	2,779.9	613.7	2,774.7	0.14	0.00	-0.14	
12,200.0	90.00	0.08	9,450.0	2,879.9	613.9	2,874.7	0.14	0.00	-0.14	
12,300.0	90.00	359.94	9,450.0	2,979.9	613.9	2,974.7	0.14	0.00	-0.14	
12,400.0	90.00	359.80	9,450.0	3,079.9	613.7	3,074.7	0.14	0.00	-0.14	
12,500.0	90.00	359.66	9,450.0	3,179.9	613.3	3,174.7	0.14	0.00	-0.14	
12,594.6	90.00	359.53	9,450.0	3,274.5	612.6	3,269.4	0.14	0.00	-0.14	

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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)
Start 1125.7 hold at 12594.6 MD									
12,600.0	90.00	359.53	9,450.0	3,279.9	612.5	3,274.7	0.00	0.00	0.00
12,700.0	90.00	359.53	9,450.0	3,379.9	611.7	3,374.7	0.00	0.00	0.00
12,800.0	90.00	359.53	9,450.0	3,479.9	610.9	3,474.7	0.00	0.00	0.00
12,900.0	90.00	359.53	9,450.0	3,579.9	610.1	3,574.7	0.00	0.00	0.00
13,000.0	90.00	359.53	9,450.0	3,679.9	609.3	3,674.7	0.00	0.00	0.00
13,100.0	90.00	359.53	9,450.0	3,779.9	608.4	3,774.7	0.00	0.00	0.00
13,200.0	90.00	359.53	9,450.0	3,879.9	607.6	3,874.7	0.00	0.00	0.00
13,300.0	90.00	359.53	9,450.0	3,979.8	606.8	3,974.7	0.00	0.00	0.00
13,400.0	90.00	359.53	9,450.0	4,079.8	606.0	4,074.7	0.00	0.00	0.00
13,500.0	90.00	359.53	9,450.0	4,179.8	605.1	4,174.7	0.00	0.00	0.00
13,600.0	90.00	359.53	9,450.0	4,279.8	604.3	4,274.7	0.00	0.00	0.00
13,700.0	90.00	359.53	9,450.0	4,379.8	603.5	4,374.7	0.00	0.00	0.00
13,720.3	90.00	359.53	9,450.0	4,400.1	603.3	4,395.0	0.00	0.00	0.00
Start DLS 8.70 TFO 90.00 - DP1 - BJ Frazier State #110H									
13,800.0	90.00	6.46	9,450.0	4,479.7	607.5	4,474.5	8.70	0.00	8.70
13,900.0	90.00	15.16	9,450.0	4,577.8	626.2	4,572.5	8.70	0.00	8.70
14,000.0	90.00	23.86	9,450.0	4,672.0	659.6	4,666.4	8.70	0.00	8.70
14,100.0	90.00	32.56	9,450.0	4,760.0	706.8	4,754.1	8.70	0.00	8.70
14,200.0	90.00	41.26	9,450.0	4,839.9	766.8	4,833.4	8.70	0.00	8.70
14,297.5	90.00	49.74	9,450.0	4,908.1	836.3	4,901.1	8.70	0.00	8.70
NPZ1 - BJ Frazier State #110H									
14,300.0	90.00	49.96	9,450.0	4,909.8	838.2	4,902.7	8.70	0.00	8.70
14,400.0	90.00	58.66	9,450.0	4,968.1	919.4	4,960.4	8.70	0.00	8.70
14,500.0	90.00	67.36	9,450.0	5,013.4	1,008.4	5,005.0	8.70	0.00	8.70
14,600.0	90.00	76.06	9,450.0	5,044.8	1,103.2	5,035.5	8.70	0.00	8.70
14,700.0	90.00	84.76	9,450.0	5,061.4	1,201.8	5,051.4	8.70	0.00	8.70
14,756.7	90.00	89.69	9,450.0	5,064.1	1,258.3	5,053.6	8.70	0.00	8.70
Start DLS 8.66 TFO 90.00 - Apex - BJ Frazier State #110H									
14,800.0	90.00	93.44	9,450.0	5,063.0	1,301.6	5,052.1	8.66	0.00	8.66
14,900.0	90.00	102.11	9,450.0	5,049.4	1,400.6	5,037.8	8.66	0.00	8.66
15,000.0	90.00	110.77	9,450.0	5,021.2	1,496.5	5,008.7	8.66	0.00	8.66
15,100.0	90.00	119.43	9,450.0	4,978.8	1,586.9	4,965.6	8.66	0.00	8.66
15,200.0	90.00	128.09	9,450.0	4,923.3	1,670.0	4,909.4	8.66	0.00	8.66
15,214.6	90.00	129.36	9,450.0	4,914.1	1,681.4	4,900.2	8.66	0.00	8.66
NPZ2 - BJ Frazier State #110H									
15,300.0	90.00	136.75	9,450.0	4,855.9	1,743.7	4,841.4	8.66	0.00	8.66
15,400.0	90.00	145.42	9,450.0	4,778.1	1,806.5	4,763.2	8.66	0.00	8.66
15,500.0	90.00	154.08	9,450.0	4,691.8	1,856.8	4,676.5	8.66	0.00	8.66
15,600.0	90.00	162.74	9,450.0	4,599.0	1,893.6	4,583.3	8.66	0.00	8.66
15,700.0	90.00	171.40	9,450.0	4,501.6	1,915.9	4,485.7	8.66	0.00	8.66
15,792.8	90.00	179.44	9,450.0	4,409.1	1,923.3	4,393.2	8.66	0.00	8.66
Start DLS 2.00 TFO 89.37 - DP2 - BJ Frazier State #110H									
15,797.2	90.00	179.53	9,450.0	4,404.8	1,923.4	4,388.9	2.00	0.02	2.00
Start 4417.2 hold at 15797.2 MD									
15,800.0	90.00	179.53	9,450.0	4,402.0	1,923.4	4,386.0	0.00	0.00	0.00
15,900.0	90.00	179.53	9,450.0	4,302.0	1,924.2	4,286.0	0.00	0.00	0.00
16,000.0	90.00	179.53	9,450.0	4,202.0	1,925.0	4,186.0	0.00	0.00	0.00
16,100.0	90.00	179.53	9,450.0	4,102.0	1,925.9	4,086.0	0.00	0.00	0.00
16,200.0	90.00	179.53	9,450.0	4,002.0	1,926.7	3,986.0	0.00	0.00	0.00
16,300.0	90.00	179.53	9,450.0	3,902.0	1,927.5	3,886.0	0.00	0.00	0.00
16,400.0	90.00	179.53	9,450.0	3,802.0	1,928.3	3,786.0	0.00	0.00	0.00
16,500.0	90.00	179.53	9,450.0	3,702.0	1,929.1	3,686.0	0.00	0.00	0.00

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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)
16,600.0	90.00	179.53	9,450.0	3,602.0	1,930.0	3,586.0	0.00	0.00	0.00
16,700.0	90.00	179.53	9,450.0	3,502.0	1,930.8	3,486.0	0.00	0.00	0.00
16,800.0	90.00	179.53	9,450.0	3,402.0	1,931.6	3,386.0	0.00	0.00	0.00
16,900.0	90.00	179.53	9,450.0	3,302.0	1,932.4	3,286.0	0.00	0.00	0.00
17,000.0	90.00	179.53	9,450.0	3,202.0	1,933.2	3,186.0	0.00	0.00	0.00
17,100.0	90.00	179.53	9,450.0	3,102.0	1,934.1	3,086.0	0.00	0.00	0.00
17,200.0	90.00	179.53	9,450.0	3,002.0	1,934.9	2,986.0	0.00	0.00	0.00
17,300.0	90.00	179.53	9,450.0	2,902.0	1,935.7	2,886.0	0.00	0.00	0.00
17,400.0	90.00	179.53	9,450.0	2,802.0	1,936.5	2,786.0	0.00	0.00	0.00
17,500.0	90.00	179.53	9,450.0	2,702.0	1,937.3	2,686.0	0.00	0.00	0.00
17,600.0	90.00	179.53	9,450.0	2,602.0	1,938.2	2,586.0	0.00	0.00	0.00
17,700.0	90.00	179.53	9,450.0	2,502.0	1,939.0	2,486.0	0.00	0.00	0.00
17,800.0	90.00	179.53	9,450.0	2,402.0	1,939.8	2,386.0	0.00	0.00	0.00
17,900.0	90.00	179.53	9,450.0	2,302.0	1,940.6	2,286.0	0.00	0.00	0.00
18,000.0	90.00	179.53	9,450.0	2,202.0	1,941.4	2,186.0	0.00	0.00	0.00
18,100.0	90.00	179.53	9,450.0	2,102.0	1,942.3	2,086.0	0.00	0.00	0.00
18,200.0	90.00	179.53	9,450.0	2,002.0	1,943.1	1,986.0	0.00	0.00	0.00
18,300.0	90.00	179.53	9,450.0	1,902.0	1,943.9	1,886.0	0.00	0.00	0.00
18,400.0	90.00	179.53	9,450.0	1,802.0	1,944.7	1,786.0	0.00	0.00	0.00
18,500.0	90.00	179.53	9,450.0	1,702.0	1,945.5	1,686.0	0.00	0.00	0.00
18,600.0	90.00	179.53	9,450.0	1,602.0	1,946.4	1,586.0	0.00	0.00	0.00
18,700.0	90.00	179.53	9,450.0	1,502.0	1,947.2	1,486.0	0.00	0.00	0.00
18,800.0	90.00	179.53	9,450.0	1,402.1	1,948.0	1,386.0	0.00	0.00	0.00
18,900.0	90.00	179.53	9,450.0	1,302.1	1,948.8	1,286.0	0.00	0.00	0.00
19,000.0	90.00	179.53	9,450.0	1,202.1	1,949.6	1,186.0	0.00	0.00	0.00
19,100.0	90.00	179.53	9,450.0	1,102.1	1,950.5	1,086.0	0.00	0.00	0.00
19,200.0	90.00	179.53	9,450.0	1,002.1	1,951.3	986.0	0.00	0.00	0.00
19,300.0	90.00	179.53	9,450.0	902.1	1,952.1	886.0	0.00	0.00	0.00
19,400.0	90.00	179.53	9,450.0	802.1	1,952.9	786.0	0.00	0.00	0.00
19,500.0	90.00	179.53	9,450.0	702.1	1,953.7	686.0	0.00	0.00	0.00
19,600.0	90.00	179.53	9,450.0	602.1	1,954.6	586.0	0.00	0.00	0.00
19,700.0	90.00	179.53	9,450.0	502.1	1,955.4	486.0	0.00	0.00	0.00
19,800.0	90.00	179.53	9,450.0	402.1	1,956.2	386.0	0.00	0.00	0.00
19,900.0	90.00	179.53	9,450.0	302.1	1,957.0	286.0	0.00	0.00	0.00
20,000.0	90.00	179.53	9,450.0	202.1	1,957.8	186.0	0.00	0.00	0.00
20,100.0	90.00	179.53	9,450.0	102.1	1,958.7	86.0	0.00	0.00	0.00
20,200.0	90.00	179.53	9,450.0	2.1	1,959.5	-14.0	0.00	0.00	0.00
20,214.3	90.00	179.53	9,450.0	-12.2	1,959.6	-28.3	0.00	0.00	0.00

TD at 20214.3 - BHL - BJ Frazier State #110H

Planning Report

Database: Company: Project: Site: Well: Wellbore: Design:	EDM 5000.14 Single User Db Matador Production Company Antelope Ridge BJ Frazier BJ Frazier State #110H Wellbore #1 State Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well BJ Frazier State #110H KB @ 3511.5usft KB @ 3511.5usft Grid Minimum Curvature
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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)		
KOP - BJ Frazier Sta	0.00	0.00	8,877.0	-83.9	506.3	457,526.00	810,900.00	32° 15' 13.870 N	103° 19' 39.557 W	
- plan hits target center										
- Point										
FTP - BJ Frazier Sta	0.00	0.00	9,111.3	-33.9	509.3	457,576.00	810,902.99	32° 15' 14.364 N	103° 19' 39.517 W	
- plan hits target center										
- Point										
BHL - BJ Frazier Sta	0.00	0.00	9,450.0	-12.2	1,959.6	457,597.61	812,353.27	32° 15' 14.444 N	103° 19' 22.628 W	
- plan hits target center										
- Point										
NPZ1 - BJ Frazier Sta	0.00	0.00	9,450.0	4,908.1	836.3	462,518.00	811,229.95	32° 16' 3.234 N	103° 19' 35.170 W	
- plan hits target center										
- Point										
DP2 - BJ Frazier Sta	0.00	0.00	9,450.0	4,409.1	1,923.3	462,019.00	812,317.00	32° 15' 58.196 N	103° 19' 22.566 W	
- plan hits target center										
- Point										
Apex - BJ Frazier Sta	0.00	0.00	9,450.0	5,064.1	1,258.3	462,674.00	811,652.00	32° 16' 4.739 N	103° 19' 30.238 W	
- plan hits target center										
- Point										
DP1 - BJ Frazier Sta	0.00	0.00	9,450.0	4,400.1	603.3	462,010.00	810,997.00	32° 15' 58.229 N	103° 19' 37.938 W	
- plan hits target center										
- Point										
NPZ2 - BJ Frazier Sta	0.00	0.00	9,450.0	4,914.1	1,681.4	462,524.00	812,075.04	32° 16' 3.215 N	103° 19' 25.328 W	
- plan hits target center										
- Point										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name		Lithology	Dip (°)	Dip Direction (°)
1,911.5	1,911.5	Rustler				
2,282.0	2,282.0	Salado				
3,956.0	3,956.0	Base Salt/Tansill				
4,265.0	4,265.0	Yates				
4,706.5	4,704.5	Capitan				
5,451.3	5,444.0	G26: Bell Cyn.				
5,999.2	5,988.0	G13: Cherry Cyn.				
7,340.2	7,319.5	G7: Brushy Cyn.				
8,493.9	8,465.0	G4: BSGL (CS9)				
8,891.7	8,862.0	L6.3: Avalon Carb				
9,640.5	9,426.0	L5.1: FBSG				

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well BJ Frazier State #110H
Company:	Matador Production Company	TVD Reference:	KB @ 3511.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3511.5usft
Site:	BJ Frazier	North Reference:	Grid
Well:	BJ Frazier State #110H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,200.0	4,200.0	0.0	0.0	Start Build 2.00
4,542.1	4,541.3	-3.3	20.1	Start 3908.5 hold at 4542.1 MD
8,450.6	8,421.9	-79.4	479.5	Start Drop -1.50
8,906.7	8,877.0	-83.9	506.3	Start Build 10.00
9,806.7	9,450.0	488.1	540.6	Start DLS 0.14 TFO -90.01
12,594.6	9,450.0	3,274.5	612.6	Start 1125.7 hold at 12594.6 MD
13,720.3	9,450.0	4,400.1	603.3	Start DLS 8.70 TFO 90.00
14,756.7	9,450.0	5,064.1	1,258.3	Start DLS 8.66 TFO 90.00
15,792.8	9,450.0	4,409.1	1,923.3	Start DLS 2.00 TFO 89.37
15,797.2	9,450.0	4,404.8	1,923.4	Start 4417.2 hold at 15797.2 MD
20,214.3	9,450.0	-12.2	1,959.6	TD at 20214.3

Well Name: BJ Frazier State #110H									ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)	
STRING	FLUID TYPE	HOLE SZ	CSG SZ	CSG GRADE	CSG WT	DEPTH SET	TOP CSG	TTL SX CEMENT	EST TOC	
SURF	FRESH WTR	17.5	13.375	J-55	54.50	1947	0	1229	0	Option to drill surface hole with surface setting rig. Option to cement surface casing offline
INT 1	Brine	12.25	9.625	J-55	40.00	5688	0	1621	0	Option to run DV tool and Packer.
PROD	OBM/Cut Brine	8.75/6.75	5.5	P-110	20.00	20215	0	1918	5488	Option to drill 7.875" production hole.