

Well Name: RAE'S CREEK 25 36 22 FED COM	Well Location: T25S / R36E / SEC 22 / SWSE / 32.1091419 / -103.2501764	County or Parish/State: LEA / NM
Well Number: 095H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM136231	Unit or CA Name:	Unit or CA Number:
US Well Number:	Operator: MATADOR PRODUCTION COMPANY	

Notice of Intent

Sundry ID: 2885202

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 12/04/2025

Time Sundry Submitted: 08:55

Date proposed operation will begin: 12/04/2025

Procedure Description: BLM Bond# NMB001079; Surety Bond# RLB0015172 Matador requests to skid over to spud the well using a new surface hole location going FROM 200' FSL & 1710' FEL S22-25S-36E TO 170' FSL & 1710'FEL S22-25S-36E, as reflected in this sundry, due to the incorrect size conductor being set in the original location. As reflected in the attached, the completed lateral and bottom hole location for the well remains the same. We understand the NMOCD will then assign the replacement well under this sundry a new API number, leaving the original location with its same API number. The original well will be named RAES CREEK 25 36 22 FEDERAL COM 095Y (API 30-025-54321). The well we will skid to spud will be named RAES CREEK 25 36 22 FEDERAL COM 095H and will be assigned a new API # from NMOCD. Please see the attached supporting documents. Sundry# 2885198 has been submitted to address P&A.

NOI Attachments

Procedure Description

LO_RAE_S_CREEK_25_36_22_FED_COM_095H_REV9_S_12022025_20251205133759.pdf

3160_003_Rae_s_Creek_Fed_Com_095H_signed_20251204085456.pdf

Raes_Creek_Fed_Com_095H__Directional_Wall_Plot_Pilot_20251204083319.pdf

Raes_Creek_Fed_Com_095H__Directional_Wall_Plot_20251204083319.pdf

Raes_Creek_25_36_22_Fed_Com_095H_Drill_Plan_20251204083319.pdf

Raes_Creek_Fed_Com_095H__Directional_AC_20251204083319.pdf

Well Name: RAE S CREEK 25 36 22
FED COM

Well Location: T25S / R36E / SEC 22 /
SWSE / 32.1091419 / -103.2501764

County or Parish/State: LEA /
NM

Well Number: 095H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM136231

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: MATADOR PRODUCTION
COMPANY

Raes_Creek_Fed_Com_095H_Directional_Well_Plan_20251204083319.pdf

Conditions of Approval

Additional

RAE_S_CREEK_25_36_22_FED_COM_095H_Sundry_2885202_COA_20251210093900.pdf

Authorized

3160_003_Rae_s_Creek_Fed_Com_095H_signed_20251204085456_20251210160640.pdf

Operator

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

Operator Electronic Signature: DEBBIE CREED

Signed on: DEC 05, 2025 01:25 PM

Name: MATADOR PRODUCTION COMPANY

Title: BLM Tech

Street Address: 5400 LBJ FREEWAY

City: DALLAS State: TX

Phone: (972) 371-5426

Email address: DEBBIE.CREED@MATADORRESOURCES.COM

Field

Representative Name:

Street Address:

City: State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: CWALLS@BLM.GOV

Disposition: Approved

Disposition Date: 12/10/2025

Signature: Chris Walls

Form 3160-5
(October 2024)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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

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

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

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: SWSE / 200 FSL / 1710 FEL / TWSP: 25S / RANGE: 36E / SECTION: 22 / LAT: 32.1091419 / LONG: -103.2501764 (TVD: 0 feet, MD: 0 feet)
PPP: SWSE / 100 FSL / 1651 FEL / TWSP: 25S / RANGE: 36E / SECTION: 22 / LAT: 32.1088675 / LONG: -103.2512905 (TVD: 10700 feet, MD: 11279 feet)
BHL: NENE / 110 FNL / 333 FEL / TWSP: 25S / RANGE: 36E / SECTION: 15 / LAT: 32.1373121 / LONG: -103.2455401 (TVD: 14330 feet, MD: 24578 feet)

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:** 1/7/2025

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
Rae's Creek 25 36 22 Fed Com #115H	TBD	O-22-25S-36E	200' FSL & 1,780' FEL	790	1,750	2,280
Rae's Creek 25 36 22 Fed Com #095H	TBD	O-22-25S-36E	200' FSL & 1,760' FEL	915	1,390	1,550
Rae's Creek 25 36 22 Fed Com #085H	TBD	O-22-25S-36E	200' FSL & 1,740' FEL	790	1,750	2,280

IV. Central Delivery Point Name: Peach 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
Rae's Creek 25 36 22 Fed Com #115H	TBD	05/18/2025	07/07/2025	8/20/2025	9/08/2025	9/08/2025
Rae's Creek 25 36 22 Fed Com #095H	TBD	08/03/2025	09/05/2025	09/10/2025	10/01/2025	10/01/2025
Rae's Creek 25 36 22 Fed Com #085H	TBD	07/07/2025	08/02/2025	8/20/2025	9/05/2025	9/05/2025

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

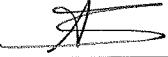
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Adrian Salinas
Title:	Facilities Engineer
E-mail Address:	adrian.salinas@matadorresources.com
Date:	1/07/2025
Phone:	832-314-0336
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

Rae's Creek 25 36 22 Fed Com #115H, Rae's Creek 25 36 22 Fed Com #095H Rae's Creek 25 36 22 Fed Com #085H

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 72"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 to one or more heater treaters. From the heater treaters, hydrocarbon liquid will be routed to Vapor Recovery Towers, then to storage tanks. Water is dumped from the first stage 3-phase separators and heater treaters to water storage tanks. The flash gas from the heater treater(s), vapor recovery towers and tanks will be captured by Vapor Recovery Units (VRUs) and routed to sales or to a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized and staged 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
Rae's Creek 25 36 22 Fed Com #115H	790	1,750	2,280
Rae's Creek 25 36 22 Fed Com #095H	915	1,390	1,550
Rae's Creek 25 36 22 Fed Com #085H	790	1,750	2,280

VII. Operation Practices

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

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY		
WELL NAME & NO.:	RAE'S CREEK 25 36 22 FED COM 095H		
APD ID:	25SA10138		
LOCATION:	Section 22, T.25 S., R.36 E. NMP.		
COUNTY:	Lea County, New Mexico <input style="width: 20px; height: 15px; vertical-align: middle;" type="button" value="▼"/>		

Changes approved through engineering via Sundry 2885202 on 12/10/2025. The P&A sundry#2885198 was approved for the original well: RAE'S CREEK 25 36 22 FED COM 095Y (APD ID: 10400089860).

COA

H ₂ S	○ No		◎ Yes	
Potash / WIPP	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-Q	<input type="checkbox"/> Open Annulus <input type="checkbox"/> WIPP
Cave / Karst	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
Cementing	<input type="checkbox"/> Primary Squeeze	<input type="checkbox"/> Cont. Squeeze	<input type="checkbox"/> EchoMeter	<input checked="" type="checkbox"/> DV Tool
Special Req	<input checked="" type="checkbox"/> Capitan Reef	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Waste Prev.	<input type="radio"/> Self-Certification	<input type="radio"/> Waste Min. Plan	<input checked="" type="radio"/> APD Submitted prior to 06/10/2024	
Additional Language	<input checked="" type="checkbox"/> Flex Hose	<input type="checkbox"/> Casing Clearance	<input checked="" type="checkbox"/> Pilot Hole	<input checked="" type="checkbox"/> Break Testing
	<input type="checkbox"/> Four-String	<input checked="" type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> Fluid-Filled	

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated **AT SPUD**. As a result, the Hydrogen Sulfide area must meet **43 CFR 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING DESIGN

1. The **20** inch surface casing shall be set at approximately **1345 ft.** (a minimum of 70 feet into the Rustler Anhydrite, below usable water and above the salt) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run

to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi compressive strength**, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 psi compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **13-3/8 inch**, 1st intermediate casing shall be set in a competent bed at approximately **5,362 ft**. The minimum required fill of cement behind the 13-3/8 inch intermediate casing is:

Option 1 (Single stage): Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef**.

Option 2 (Two-stage): Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- **Second stage above DV tool: Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef**.

Note: Cement volume is insufficient. More cement will be needed.

Note: The 1st intermediate casing must be kept fluid-filled to satisfy BLM's minimum safety factor requirement against collapse.

- ❖ In **Capitan Reef Areas** if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
- ❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.

3. The **9-5/8 inch**, 2nd intermediate casing shall be set at approximately **11,217 ft**. (11,141 ft. TVD) The minimum required fill of cement behind the **9-5/8 inch** intermediate casing is:

Option 1 (Single Stage): Cement should tie-back at least **50 feet** above the Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. Operator shall

provide method of verification. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Capitan reef.

Option 2 (Two-Stage): Operator has proposed a DV tool(s), the depth may be adjusted as long as the cement is changed proportionally. The DV tool(s) may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool(s): Cement to circulate. If cement does not circulate off the DV tool(s), contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool(s): Cement should tie-back at least **50 feet** above the Capitan Reef top **or 200 feet** into the previous casing, whichever is greater. Operator shall provide method of verification. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Capitan reef.

Note: The 2nd intermediate casing must be kept fluid-filled to satisfy BLM's minimum safety factor requirement against collapse.

4. Operator has proposed to use **7-5/8 inch pilot hole liner** with liner top at approximately **10,717 ft.** and liner shoe at 14,762 ft. (14677 ft. TVD). The minimum required fill of cement behind the **7-5/8 in.** production casing is:

- Cement should tie-back **at least 200 feet** into 2nd intermediate casing string. Operator shall provide method of verification.

Note: Excess cement is below 25%. More cement might be needed.

Note: The 8.75" pilot hole will be drilled to ~14,772' MD and then cased and cemented. A cement plug will be put in place inside the liner from ~14,762' to ~13,900', then a cased hole whipstock will be set at ~13,700' MD to mill a window in the casing for the 6.75" production section.

5. Operator has proposed to set **5-1/2 inch** production casing at approximately **24,585 ft.** (14,336 ft. TVD). The minimum required fill of cement behind the **5-1/2 in.** production casing is:

- Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification.

Note: Excess cement is below 25%. More cement will be needed.

Offline Cementing

Operator has been **(Approved)** to pump the proposed cement program offline in the **Surface and intermediate(s) intervals**. Offline cementing should commence within 24

hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Lea County: 575-689-5981**.

Pilot Hole Plugging

The pilot hole plugging procedure is approved as written, with the modification that more cement will be needed to have the inside plug from 14,762 ft. to 13,900 ft. Please adjust the cement volume accordingly. Note plug tops on subsequent drilling report. The BLM is to be contacted 24 hours prior to the commencement of any plugging operations (575-689-5981 Lea County) and when tagging the plugs.

- ❖ Mud Requirement: Mud shall be placed between all or below plugs. Minimum consistency of plugging mud shall be obtained by mixing at a rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.
- ❖ Cement requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.
- ❖ Subsequent Plugging Reporting: Within 30 days after plugging work is completed, submit an SR sundry to the BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date pilot hole was plugged and tagged.**

C. PRESSURE CONTROL

1. Variance approved to use **flex line** from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a **multi-bowl wellhead** assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi**. **Variance is approved to use a 5M annular preventer with 10M BOP/BOPE**. The BOP/BOPE and annular preventer shall be pressure-tested in accordance with **title 43 CFR 3172**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.

- d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in the **title 43 CFR 3172.6(b)(9)** must be followed.

BOPE Break Testing Variance

- Break testing has been approved for this well ONLY on those intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-689-5981 Lea County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per title 43 CFR 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

D. SPECIAL REQUIREMENT (S)

Communityization Agreement

- The operator will submit a Communityization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communityization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communityization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Contact Lea County Petroleum Engineering Inspection Staff:

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The

Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float

does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (Only applies to single stage cement jobs, prior to the cement setting up.)
- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

SA 12/10/2025

<p>C-102</p> <p>Submit Electronically Via OCD Permitting</p>	<p>State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION</p>	<p>Revised July 9, 2024</p>			
		<p>Submittal Type:</p> <table border="0"> <tr> <td><input type="checkbox"/> Initial Submittal</td> </tr> <tr> <td><input checked="" type="checkbox"/> Amended Report</td> </tr> <tr> <td><input type="checkbox"/> As Drilled</td> </tr> </table>	<input type="checkbox"/> Initial Submittal	<input checked="" type="checkbox"/> Amended Report	<input type="checkbox"/> As Drilled
<input type="checkbox"/> Initial Submittal					
<input checked="" type="checkbox"/> Amended Report					
<input type="checkbox"/> As Drilled					

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-55796	Pool Code 98406	Pool Name WC-025 G-11 S253622P; WOODFORD
Property Code 336861	Property Name RAE'S CREEK 25 36 22 FED COM	Well Number 095H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3059'
Surface Owner: <input type="checkbox"/> State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" 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
O	22	25-S	36-E	-	170' S	1710' E	N 32.1090594	W 103.2500149	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
A	15	25-S	36-E	-	110' N	333' E	N 32.1373121	W 103.2455401	LEA

Dedicated Acres 320	Infill or Defining Well Defining	Defining Well API N/A	Overlapping Spacing Unit (Y/N) N	Consolidated Code O
Order Numbers	N/A		Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

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
P	22	25-S	36-E	-	50' S	333' E	N 32.1087275	W 103.2455681	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
P	22	25-S	36-E	-	100' S	333' E	N 32.1088649	W 103.2455681	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
A	15	25-S	36-E	-	110' N	333' E	N 32.1373121	W 103.2455401	LEA

Unitized Area or Area of Uniform Interest **NMNM136231** Spacing Unity Type Horizontal Vertical Ground Floor Elevation **3053'**

OPERATOR CERTIFICATION

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.

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.

ling order from the division.
Cassis Hahn

11/14/2025

SURVEYORS 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 and correct to the best of my belief.

11/13/25

Signature Cassie Hahn	Date	Signature and Seal of Professional Surveyor	Date
Print Name chahn@matadorresources.com	Certificate Number 25116	Date of Survey 11/11/2025	
E-mail Address			

C-102

Submit Electronically
Via OCD PermittingState of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
 Initial Submittal
 Amended Report
 As Drilled

Property Name and Well Number

RAE'S CREEK 25 36 22 FED COM 095H

SURFACE LOCATION (SHL)

NEW MEXICO EAST

NAD 1983

X=876764 Y=405098

LAT.: N 32.1090594

LONG.: W 103.2500149

NAD 1927

X=835576 Y=405040

LAT.: N 32.1089320

LONG.: W 103.2495555

170' FSL 1710' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST

NAD 1983

X=878142 Y=404991

LAT.: N 32.1087275

LONG.: W 103.2455681

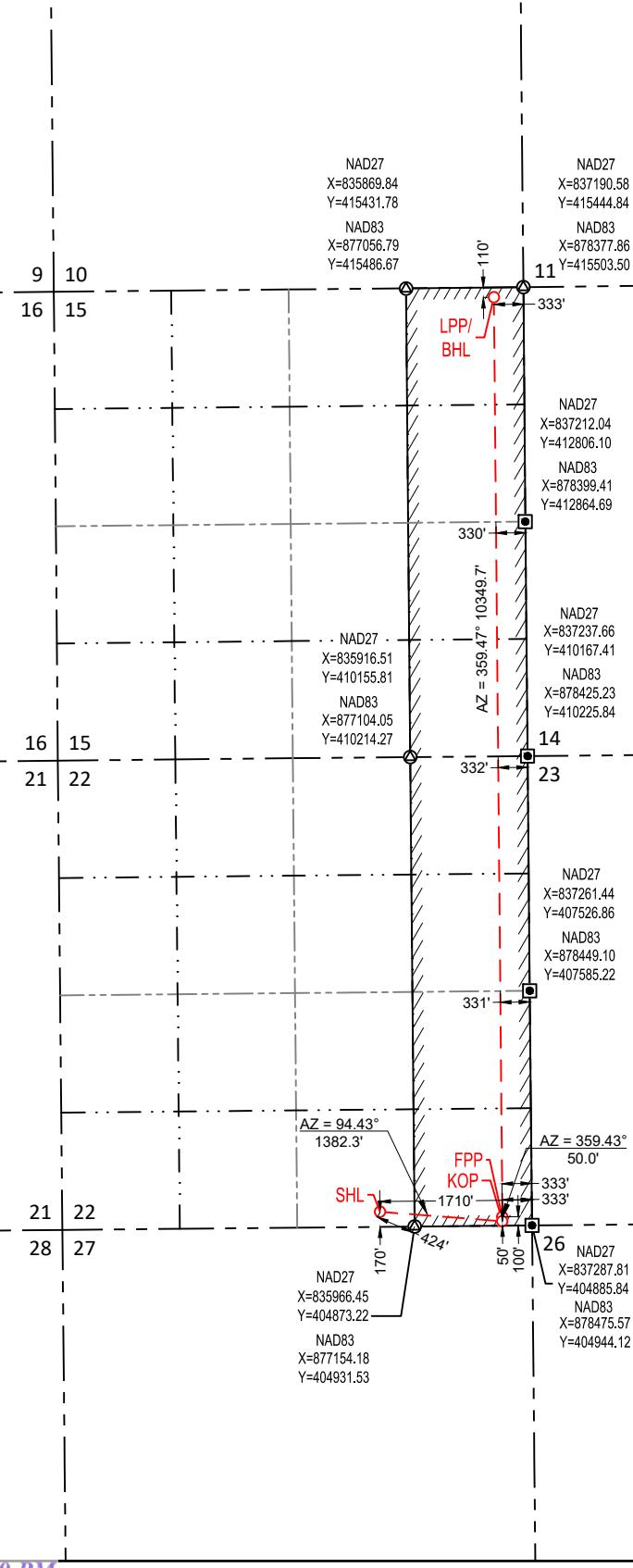
NAD 1927

X=836954 Y=404933

LAT.: N 32.1086003

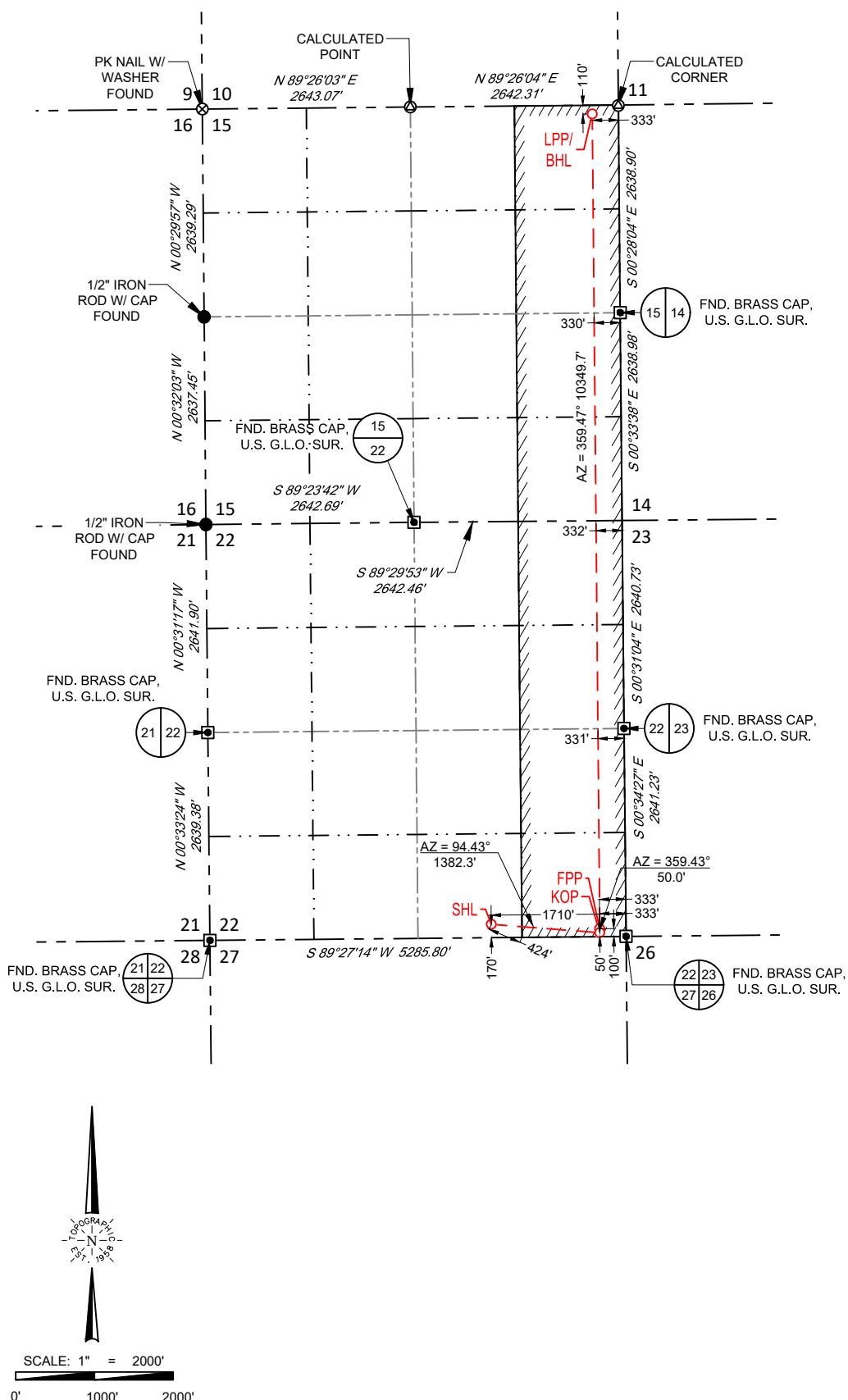
LONG.: W 103.2451089

50' FSL 333' FEL





SECTION 22, TOWNSHIP 25-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: RAE'S CREEK 25 36 22 FED COM 095H

SECTION 22 TWP 25-S RGE 36-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 170' FSL & 1710' FEL

DISTANCE & DIRECTION

FROM INT. OF NM-128 AND NM-18, GO WEST ON NM-128 \pm 5.6 MILES.
THENCE SOUTH (LEFT) ON A LEASE RD. \pm 2.0 MILES. THENCE EAST
(LEFT) ON A PROPOSED RD. \pm 9247 FEET TO A POINT \pm 322 FEET
NORTHWEST 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 OR ENTITIES 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=876764 Y=405098
LAT.: N 32.1090594
LONG.: W 103.2500149

170' FSL 1710' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=878142 Y=404991
LAT.: N 32.1087275
LONG.: W 103.2455681

50' FSL 333' FEL

FIRST PERF. POINT (FPP)

NEW MEXICO EAST
NAD 1983
X=878142 Y=405041
LAT.: N 32.1088649
LONG.: W 103.2455681

100' FSL 333' FEL

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

NEW MEXICO EAST
NAD 1983
X=878046 Y=415390
LAT.: N 32.1373121
LONG.: W 103.2455401

110' FNL 333' FEL



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





LEGEND

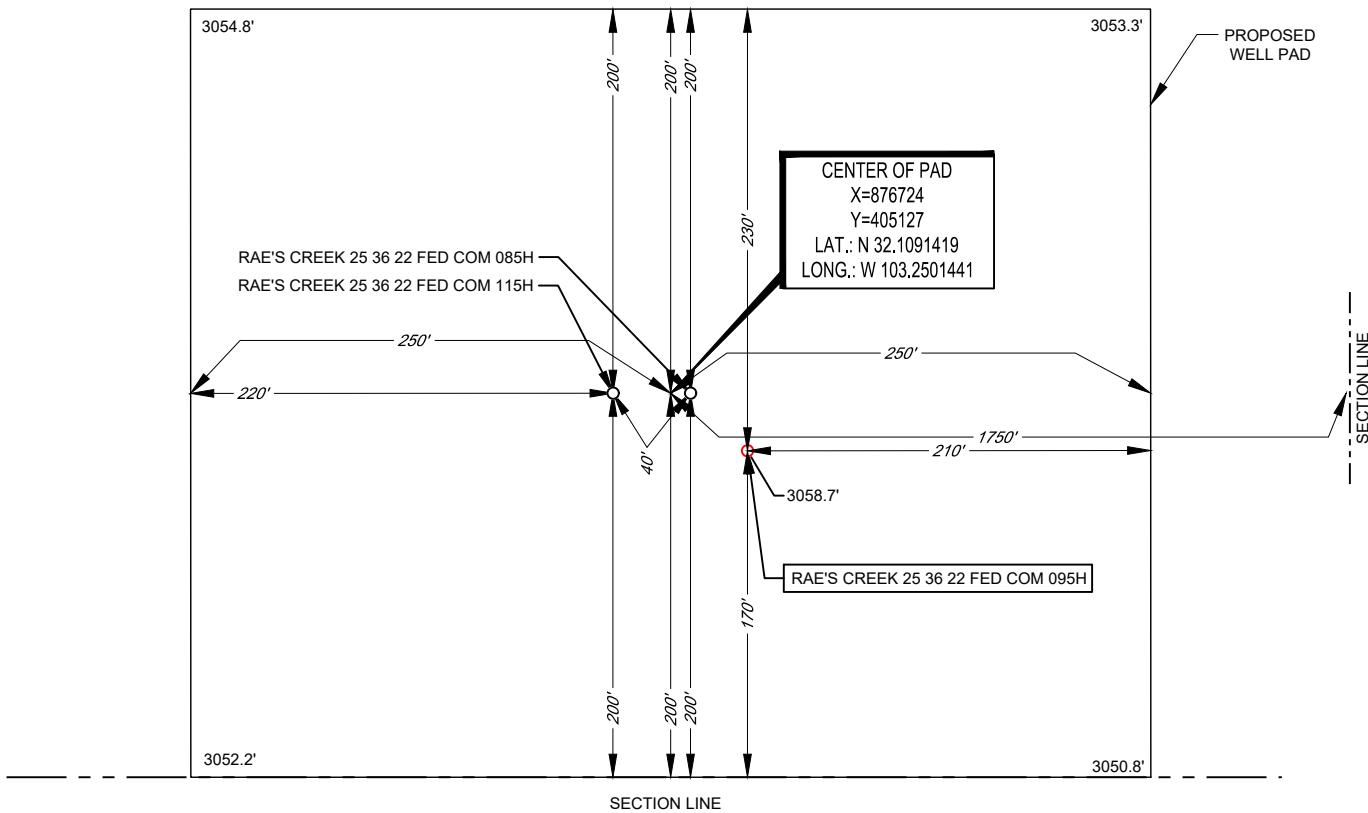
SECTION LINE
PROPOSED ROAD

SECTION 22, TOWNSHIP 25-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

DETAIL VIEW

SCALE: 1" = 100'

C/L PROPOSED
ROAD - 8471'



LEASE NAME & WELL NO.: RAE'S CREEK 25 36 22 FED COM 095H
095H LATITUDE N 32.1090594 095H LONGITUDE W 103.2500149

CENTER OF PAD IS 200' FSL & 1750' FEL



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"



SCALE: 1" = 100'



Form 3160-3
(October 2024)FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work:	<input type="checkbox"/> DRILL	<input type="checkbox"/> REENTER	7. If Unit or CA Agreement, Name and No.
1b. Type of Well:	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	8. Lease Name and Well No.
1c. Type of Completion:	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Single Zone	<input type="checkbox"/> Multiple Zone
2. Name of Operator	9. API Well No.		
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *)	11. Sec., T. R. M. or Blk. and Survey or Area		
At surface			
At proposed prod. zone			
14. Distance in miles and direction from nearest town or post office*	12. County or Parish		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration	
24. Attachments			

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.	4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
2. A Drilling Plan.	5. Operator certification.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).	6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature <i>Cassie Hahn</i>	Name (Printed/Typed)	Date
-------------------------------------	----------------------	------

Title

Approved by (Signature)	Name (Printed/Typed)	Date
-------------------------	----------------------	------

Title	Office
-------	--------

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices. As of May 13, 2017, and pursuant to 43 CFR § 3171.5, operators must file this form and associated documents using the Bureau of Land Management's electronic commerce application, the Automated Fluid Minerals Support System (AFMSS). <https://afmss.blm.gov/afmss-gateway-ui/>

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been direction any drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

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

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

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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



SURVEY PROGRAM

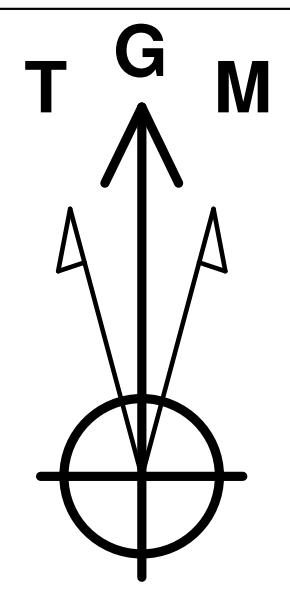
WELL DETAILS: Rae's Creek 25 36 22 Fed Com #095H

Depth From	Depth To	Survey/Plan	Tool	+N/S	+E/W	GL @	3059.0	KB @ 3087.5usft	Latitude	Longitude	Slot
7.0	13858.1	BLM Plan #1 (Pilot Hole)	MWD	0.0	0.0	Northing	405039.50	East	32° 6' 32.155 N	103° 14' 58.400 W	
	24584.6	BLM Plan #1 (Wellbore #M)WD									

Company: Matador Production Company
Well: Rae's Creek 25 36 22 Fed Com #095H
County: Lea County, NM
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 11/14/2025

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

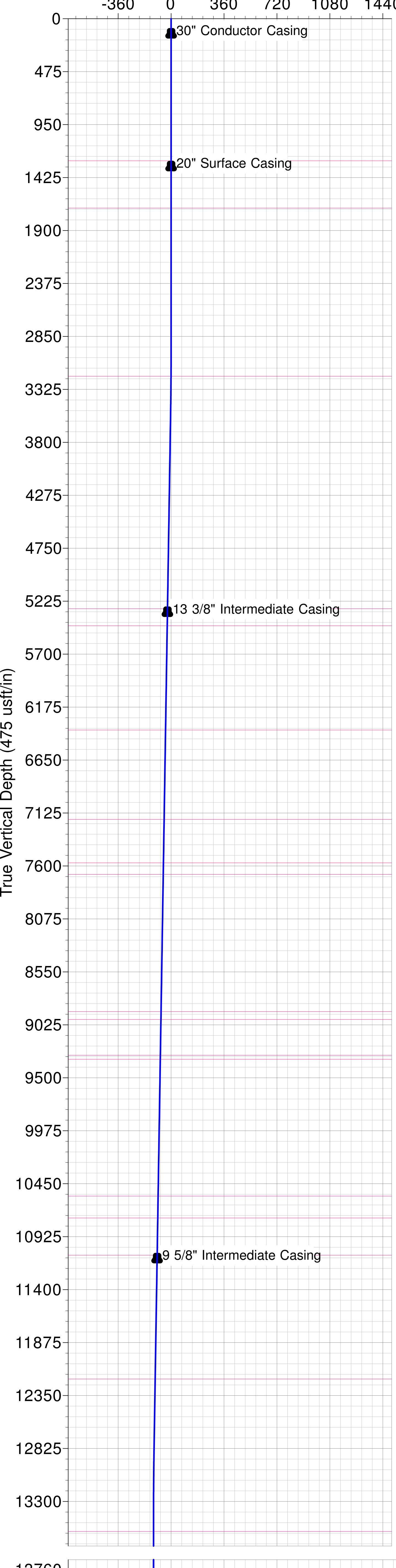
To convert a Magnetic Direction to a Grid Direction, Add 7.03°
To convert a Magnetic Direction to a True Direction, Add 7.61° East
To convert a True Direction to a Grid Direction, Subtract 0.58°



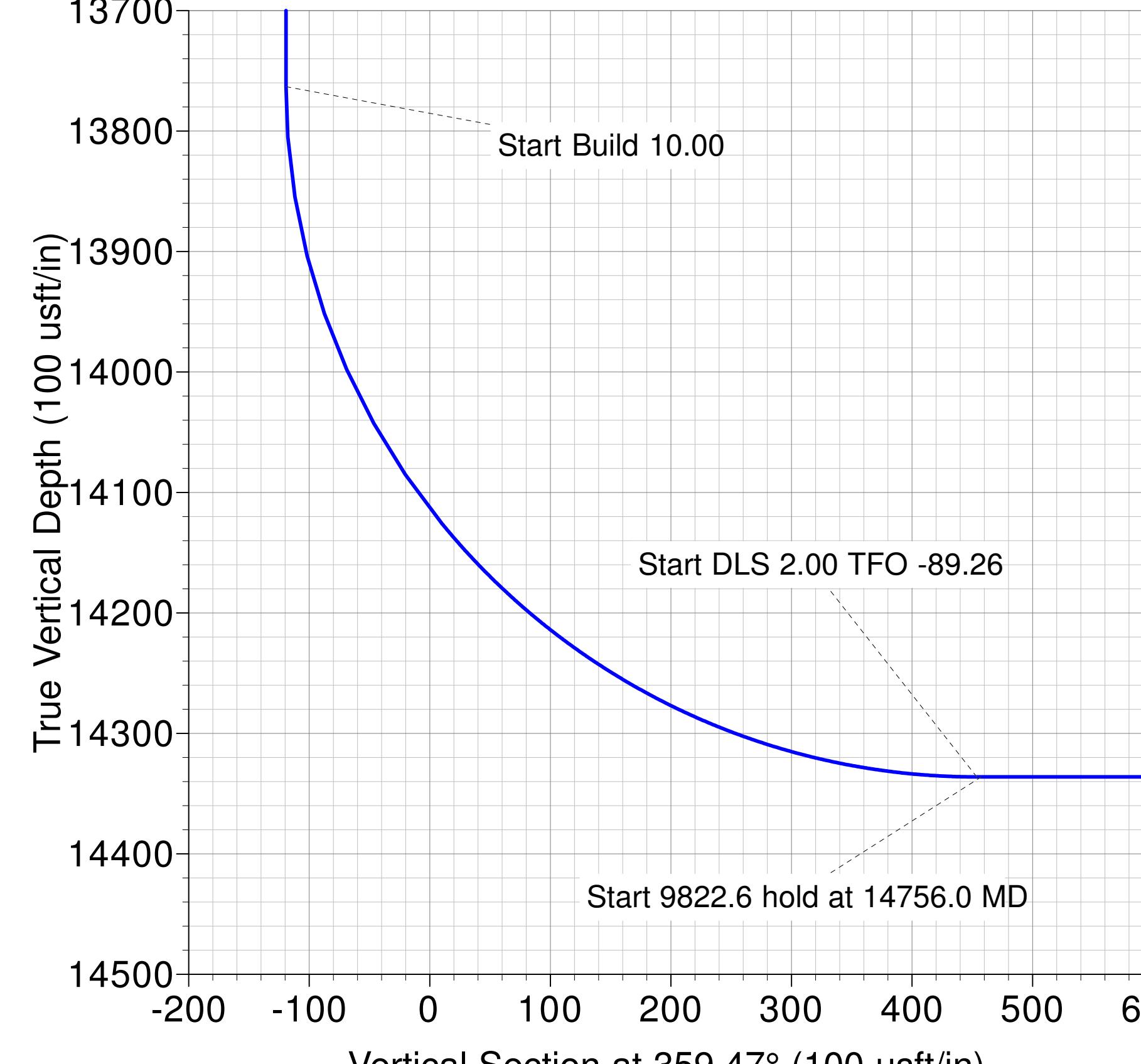
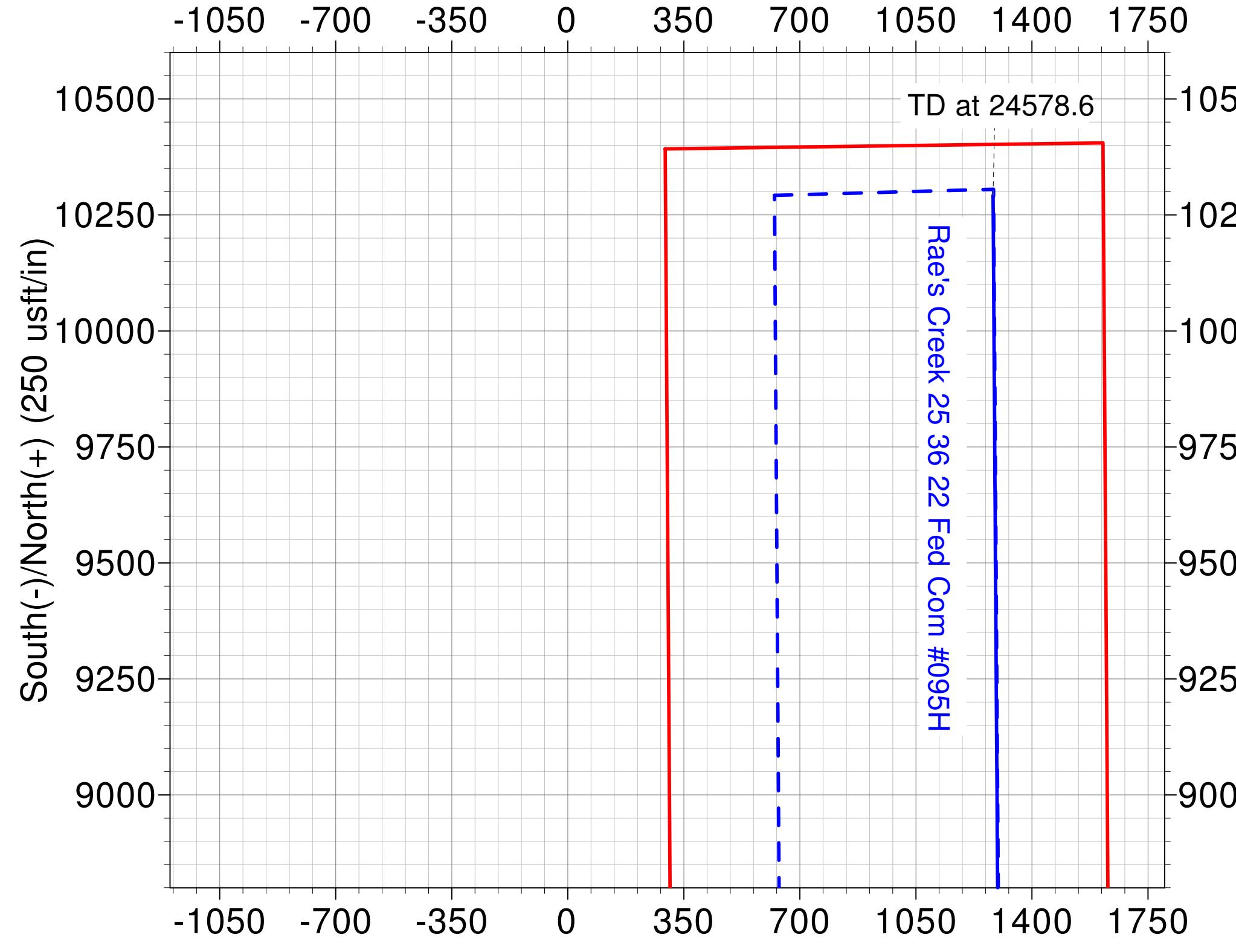
Azimuths to Grid North
True North: -0.58°
Magnetic North: 7.03°

Magnetic Field
Strength: 48731.7snT
Dip Angle: 60.17°
Date: 12/31/2024
Model: IGRF2015

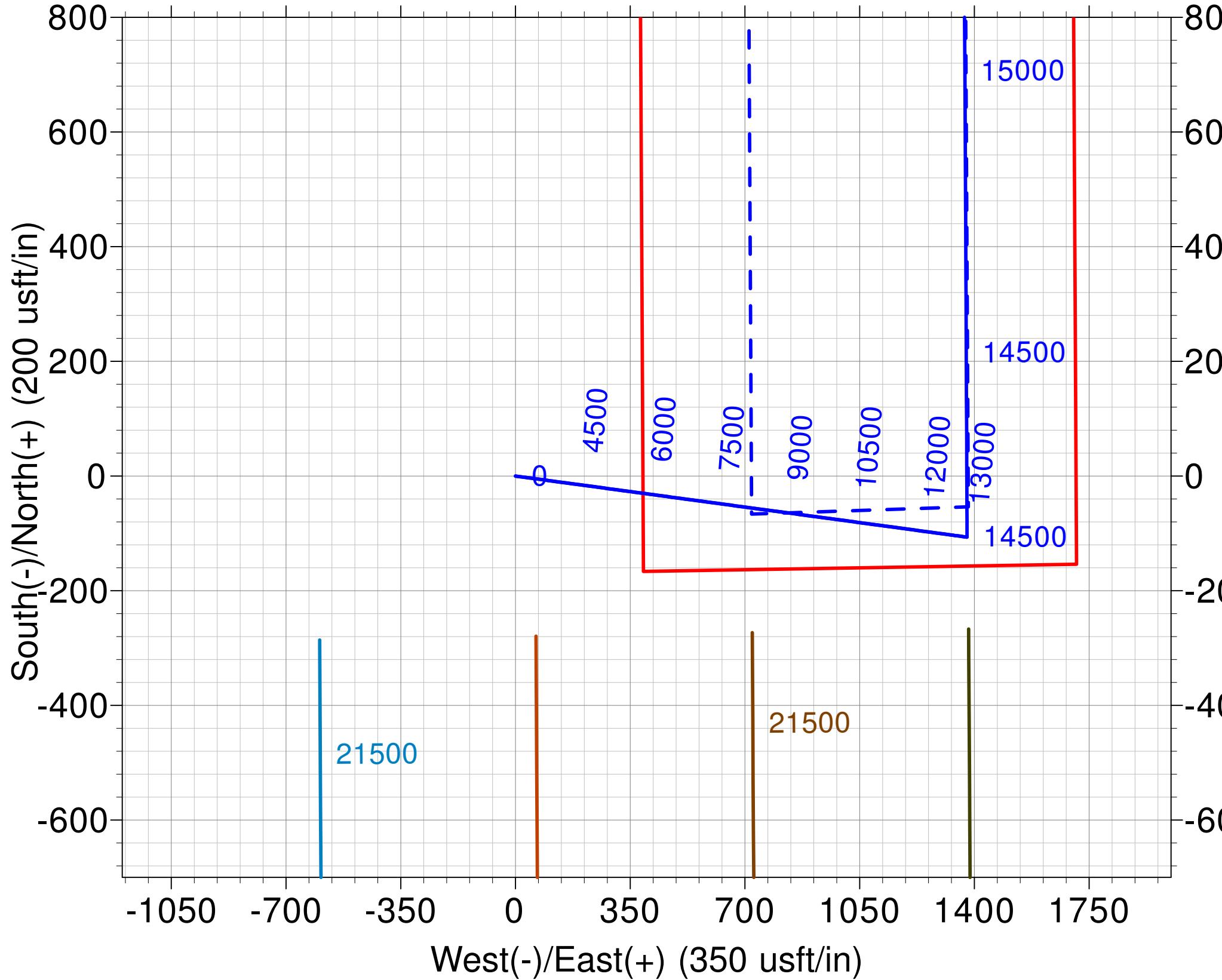
Vertical Section at 359.47° (360 usft/in)



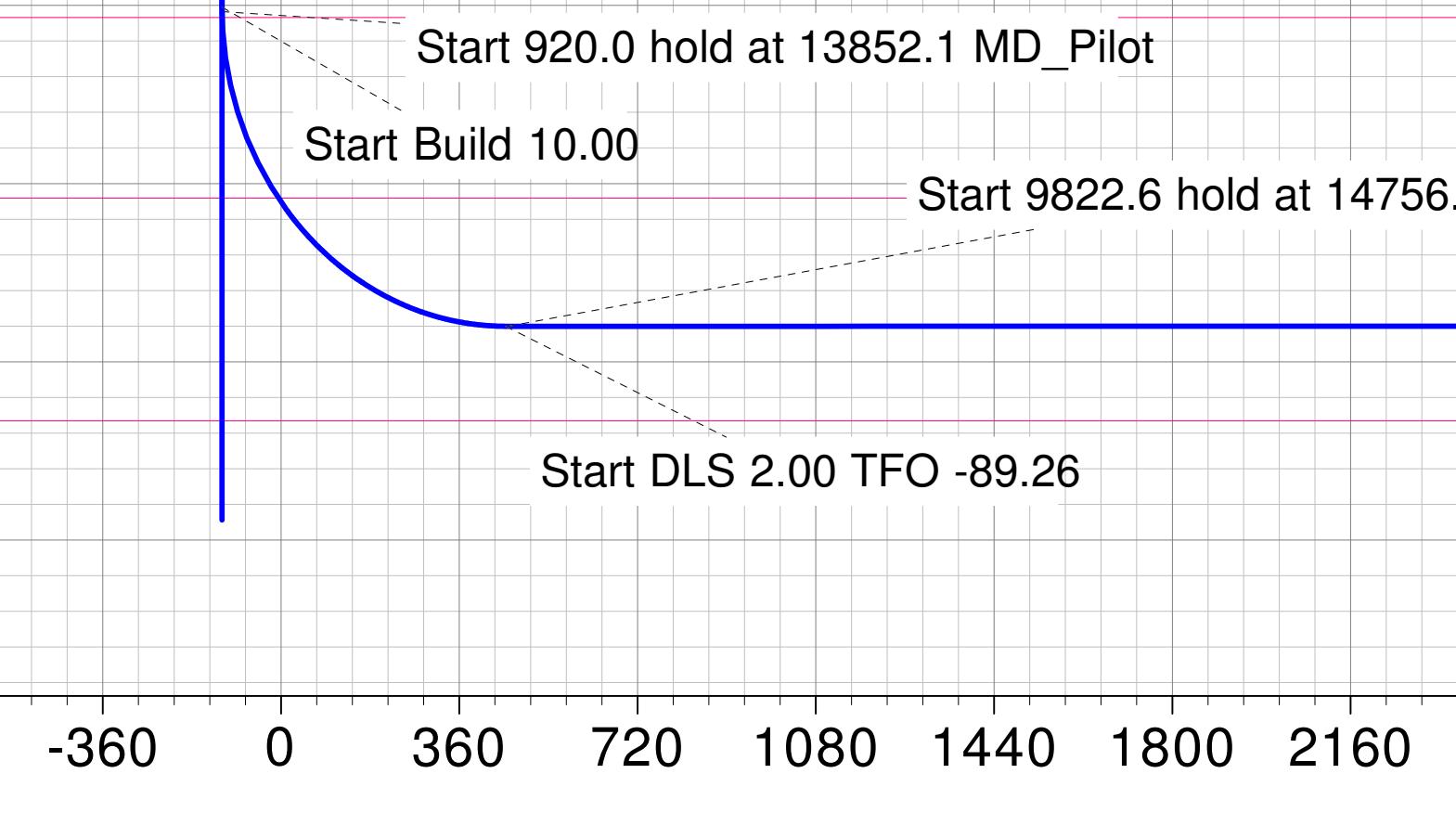
Vertical Section at 359.47° (360 usft/in)



Vertical Section at 359.47° (100 usft/in)



Vertical Section at 359.47° (360 usft/in)

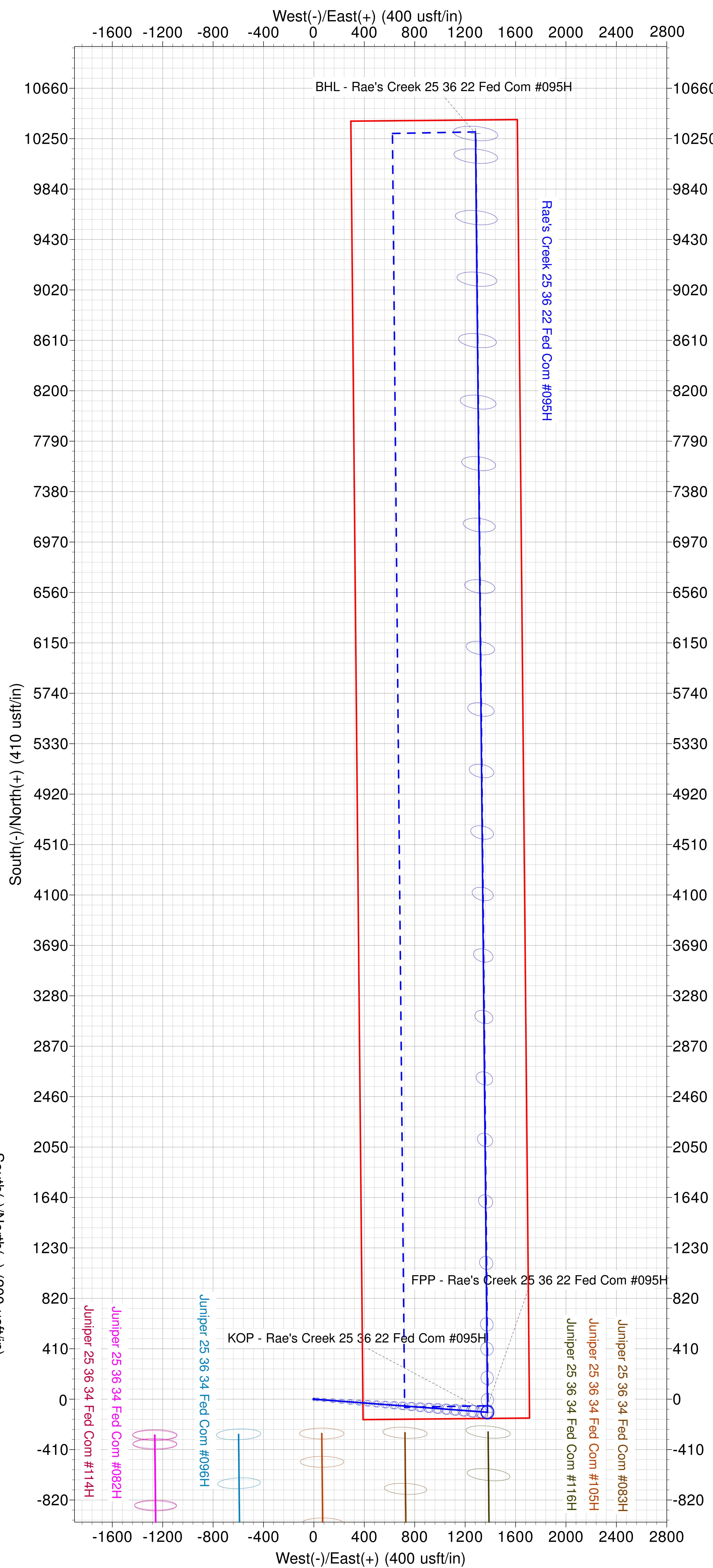


DESIGN TARGET DETAILS

Name	TVD	+N/S	+E/W	Northing	East	Latitude	Longitude
BHL - Rae's Creek 25 36 22 Fed Com #095H	14336.0	10292.5	1282.7	415332.00	836859.00	32° 8' 13.869 N	103° 14' 42.281 W
FPP - Rae's Creek 25 36 22 Fed Com #095H	13996.2	-56.9	1377.2	404982.61	836953.54	32° 6' 31.455 N	103° 14' 42.397 W
KOP - Rae's Creek 25 36 22 Fed Com #095H	13764.0	-106.5	1377.7	404933.00	836954.00	32° 6' 30.964 N	103° 14' 42.397 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSect	Annotation
13858.1	0.00	0.00	13763.2	-106.5	1377.7	0.00	0.00	-119.2	Start Build 10.00
14758.1	90.00	359.55	14336.2	466.4	1373.2	10.00	359.55	453.7	Start DLS 2.00 TFO -89.26
14762.0	90.00	359.47	14336.2	470.3	1373.1	2.00	-89.26	457.6	Start 9822.6 hold at 14756.0 MD
24584.6	90.00	359.47	14336.0	10292.5	1282.7	0.00	0.00	10280.2	TD at 24578.6



Raes Creek 25 36 22 Fed Com 095H
SHL: 170' FSL & 1710' FEL Section 22
BHL: 110' FNL & 333' FEL Section 15
Township/Range: 25S 36E
Elevation Above Sea Level: 3059

Sundry Request

Matador request the option to amend the well design of the Raes Creek 25 36 22 Fed Com 095H and make the following changes to the current APD:

- Matador requests to change the surface hole location from 200' FSL to 170' FSL as per the attached C-102. Directional plans and drilling plan has been updated accordingly.

Drilling Operation Plan

Proposed Drilling Depth: 24585' MD / 14336' TVD

Type of well: Horizontal well, with pilot hole to 14772' MD / 14677' TVD

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.1087275 N / -103.2455681 W
 TD Lat/Long (NAD83): 32.1373121 N / -103.2455401 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	1,275	1,275	424	Anhydrite	Barren
Salado (Top of Salt)	1,699	1,699	1,508	Salt	Barren
Tansil/Capitan	3,207	3,207	2,086	Salt	Barren
Bell Canyon	5,312	5,293	153	Sandstone	Oil/Natural Gas
Cherry Canyon	5,466	5,446	935	Sandstone	Oil/Natural Gas
Brushy Canyon	6,410	6,381	801	Sandstone	Oil/Natural Gas
Bone Spring Lime	7,219	7,182	390	Limestone	Oil/Natural Gas
Avalon Shale	7,613	7,572	103	Shale	Oil/Natural Gas
Avalon Carb	7,717	7,675	1,231	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	8,960	8,906	71	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	9,032	8,977	320	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,355	9,297	37	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	9,392	9,334	1,227	Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	10,632	10,561	196	Sandstone	Oil/Natural Gas
Wolfcamp A	10,830	10,757	334	Shale	Oil/Natural Gas
Wolfcamp B	11,167	11,091	1,110	Shale	Oil/Natural Gas
Morrow	12,288	12,201	1,368	Shale	Oil/Natural Gas
Barnett	13,663	13,569	212	Shale	Oil/Natural Gas
KOP	13858	13763	-	Shale	Oil/Natural Gas
Miss Lime	13,876	13,781	325	Limestone	Oil/Natural Gas
Woodford	14,225	14,106	394	Shale	Oil/Natural Gas

TD	24,585	14,336		Shale	Oil/Natural Gas
Devonian	14,595	14,500		Carbonate	Oil/Natural Gas

2. Notable Zones

All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 240.

3. Pressure Control

Equipment

A 2M annular will be utilized below Surface casing to TD of Intermediate 1 hole section.

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below Intermediate 1 casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting Surface casing, a minimum 2M annular system will be installed. Test pressures will be 250 psi low and 1000 psi high before drilling below Surface casing shoe.

After setting Intermediate 1 casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 3500 psi high, as per IM No. NM-2017-008, before drilling below surface shoe. A well control drill will be performed weekly per crew and recorded in the daily drilling log. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, Intermediate 2, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface casing. The "Offline Cement Procedure - Surface Casing" is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 1345	0 - 1345	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 5362	0 - 5343	13.375	68	L-80	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 11217	0 - 11141	9.625	40	P-110HC	BUTT	1.125	1.125	1.8
Liner	8.75	10717 - 14762	10641 - 14677	7.625	29.7	P-110EC	TLW-FJ	1.125	1.125	1.8
Production	6.75	0 - 24585	0 - 14336	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

Variance Request

Matador request a variance to waive the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

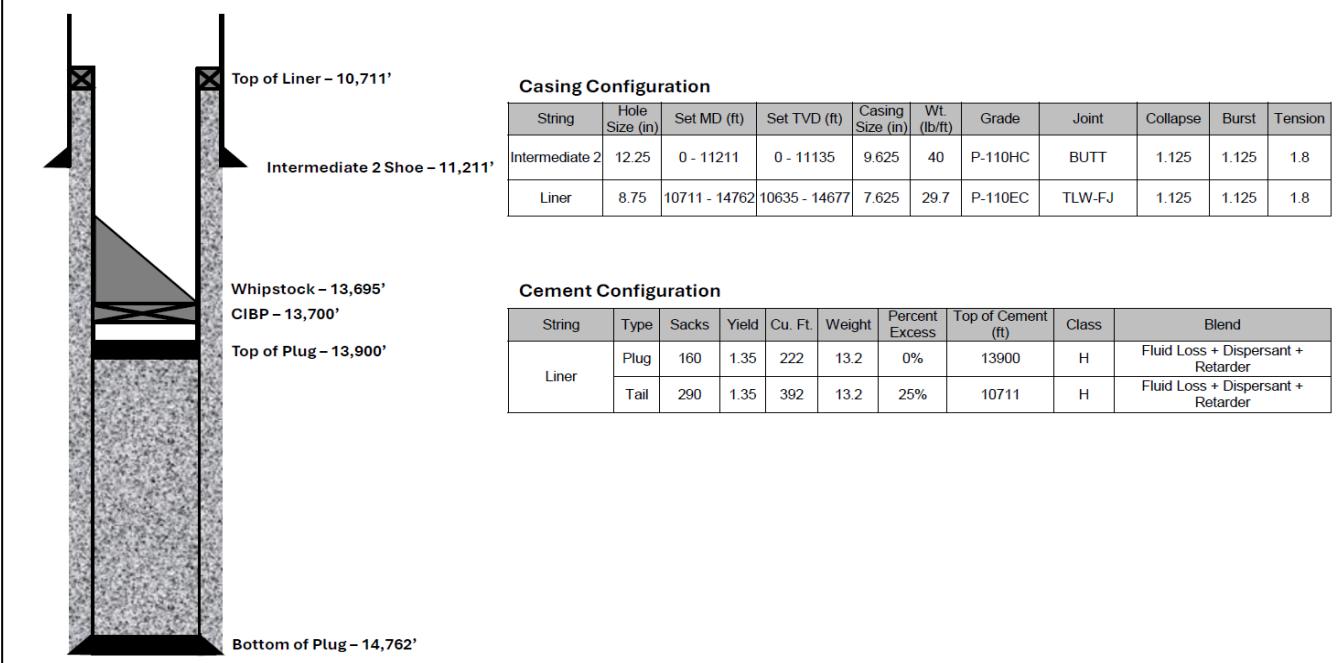
Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent	Top of	Class	Blend
Surface	Lead	1370	1.72	2358	13.5	50%	0	C	5% NaCl + LCM
	Tail	550	1.38	757	14.8	50%	1045	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 1749'	Stg 2 Tail	530	1.78	946	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	1060	1.84	1954	12.5	35%	0	C	5% NaCl + LCM
	Stg 1 Tail	340	1.33	457	13.2	35%	4362	C	5% NaCl + LCM
Intermediate 2 w/ DV @ 5412'	Stg 2 Tail	1020	1.78	1816	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	580	3.66	2120	10.3	35%	5162	A/C	Bentonite + 1% CaCl2 + 8% NaCl + LCM
	Stg 1 Tail	330	1.38	457	13.2	35%	10217	A/C	5% NaCl + LCM
Liner	Plug	160	1.35	222	13.2	0%	13900	H	Fluid Loss + Dispersant + Retarder
	Tail	290	1.35	391	13.2	25%	10717	H	Fluid Loss + Dispersant + Retarder
Production	Tail	930	1.35	1259	13.2	25%	11017	A/C	Fluid Loss + Dispersant + Retarder

Pilot Hole Program

The 8.75" pilot hole will be drilled to ~14,772' MD and then cased and cemented. A cement plug will be put in place inside the liner from ~14,762' to ~13,900', then a cased hole whipstock will be set at ~13,700' MD to mill a window in the casing for the 6.75" production section.

Raes Creek Fed Com #095H – Plug Back Design



5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

Hole Section	Hole Size	Mud Type	Interval MD (ft)	Density	Viscosity	Fluid Loss
Surface	26	Spud Mud	0 - 1345	8.3 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	1345 - 5362	9.8 - 10.2	28-30	NC
Intermediate 2	12.25	Cut Brine	5362 - 11217	8.8 - 9.6	28-30	NC
Pilot Hole	8.75	OBM/Cut Brine	11217 - 14762	11 - 14.8	50-65	<20
Production	6.75	OBM/Cut Brine	13858 - 24585	11 - 15	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

Electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 11182 psi. Maximum anticipated surface pressure is 8028 psi. Expected bottom hole temperature is 213 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H2S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H2S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H2S safety package on all wells, attached is an "H2S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

Matador Production Company

Antelope Ridge

Rae's Creek

Rae's Creek 25 36 22 Fed Com #095H

Wellbore #1

BLM Plan #1

Anticollision Summary Report

14 November, 2025

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Rae's Creek 25 36 22 Fed Com #095H
Project:	Antelope Ridge	TVD Reference:	KB @ 3081.5usft
Reference Site:	Rae's Creek	MD Reference:	KB @ 3081.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Rae's Creek 25 36 22 Fed Com #095H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	11/14/2025	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
1.0	13,852.1	BLM Plan #1 (Pilot Hole)	MWD	OWSG MWD - Standard
13,852.1	24,578.6	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference	Offset	Distance			Warning
Offset Well - Wellbore - Design	Measured	Measured	Between	Between	Separation	Factor
Juniper	Depth (usft)	Depth (usft)	Centres (usft)	Ellipses (usft)	Factor	
Juniper 25 36 34 Fed Com #082H - Wellbore #1 - BLM P	9,141.6	19,972.5	2,110.6	1,905.2	10.278	CC, ES
Juniper 25 36 34 Fed Com #082H - Wellbore #1 - BLM P	9,301.0	19,972.5	2,116.6	1,909.7	10.229	SF
Juniper 25 36 34 Fed Com #083H - Wellbore #1 - BLM P	11,062.7	21,656.2	408.9	215.2	2.111	CC, ES
Juniper 25 36 34 Fed Com #083H - Wellbore #1 - BLM P	11,101.0	21,656.2	410.7	215.8	2.108	SF
Juniper 25 36 34 Fed Com #096H - Wellbore #1 - BLM P	10,943.0	21,697.5	1,690.8	1,477.1	7.913	CC, ES
Juniper 25 36 34 Fed Com #096H - Wellbore #1 - BLM P	11,101.0	21,697.5	1,698.1	1,482.5	7.876	SF
Juniper 25 36 34 Fed Com #105H - Wellbore #1 - BLM P	11,272.2	21,930.1	1,075.7	862.2	5.038	CC
Juniper 25 36 34 Fed Com #105H - Wellbore #1 - BLM P	11,301.0	21,930.1	1,076.1	862.0	5.026	ES, SF
Juniper 25 36 34 Fed Com #114H - Wellbore #1 - BLM P	11,126.2	21,972.5	2,384.5	2,169.8	11.108	CC, ES
Juniper 25 36 34 Fed Com #114H - Wellbore #1 - BLM P	11,301.0	21,972.5	2,390.9	2,174.6	11.054	SF
Juniper 25 36 34 Fed Com #116H - Wellbore #1 - BLM P	11,361.2	21,947.4	318.0	120.3	1.609	CC, ES, SF
Rae's Creek						
Rae's Creek 25 36 22 Fed Com #095H - Pilot Hole - BLM	14,200.0	14,178.0	102.4	101.0	74.559	CC, ES, SF

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

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Rae's Creek 25 36 22 Fed Com #095H
Project:	Antelope Ridge	TVD Reference:	KB @ 3081.5usft
Reference Site:	Rae's Creek	MD Reference:	KB @ 3081.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Rae's Creek 25 36 22 Fed Com #095H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3081.5usft

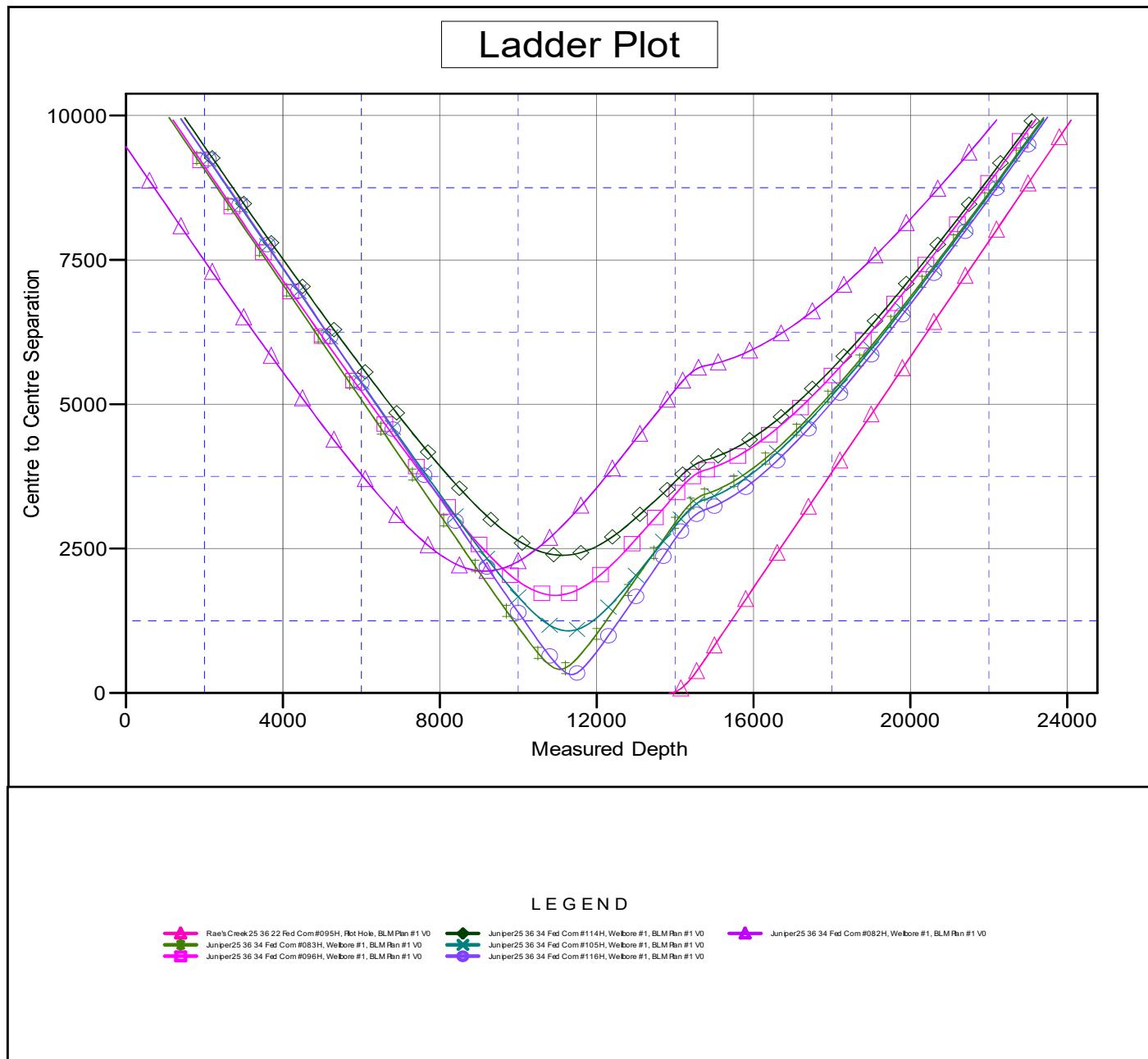
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Rae's Creek 25 36 22 Fed Com #095H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.58°



Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Rae's Creek 25 36 22 Fed Com #095H
Project:	Antelope Ridge	TVD Reference:	KB @ 3081.5usft
Reference Site:	Rae's Creek	MD Reference:	KB @ 3081.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Rae's Creek 25 36 22 Fed Com #095H	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:	BLM Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3081.5usft

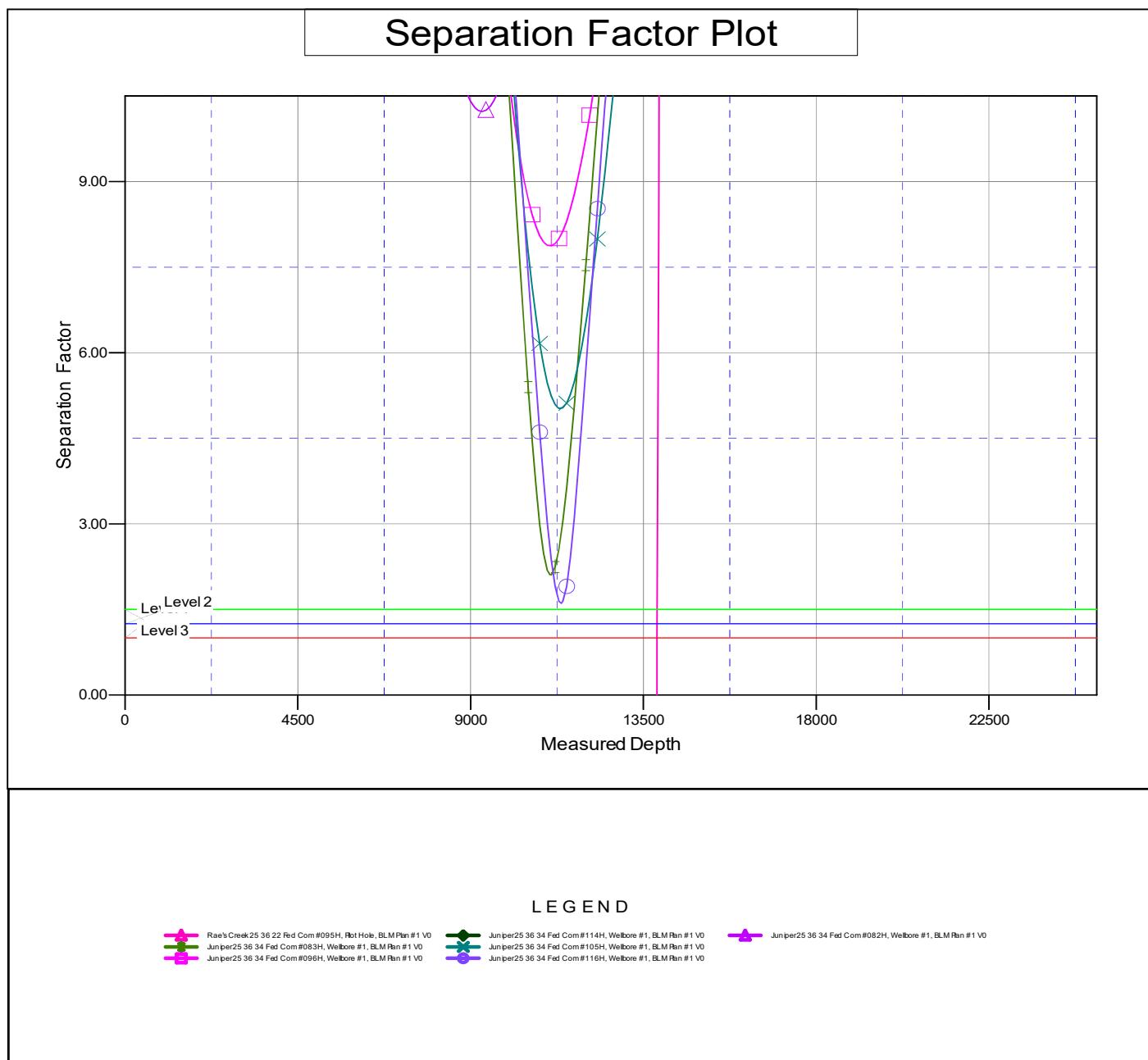
Coordinates are relative to: Rae's Creek 25 36 22 Fed Com #095H

Offset Depths are relative to Offset Datum

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Central Meridian is 104° 20' 0.000 W

Grid Convergence at Surface is: 0.58°



Matador Production Company

Antelope Ridge

Rae's Creek

Rae's Creek 25 36 22 Fed Com #095H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

14 November, 2025

Planning Report

Database: EDM 5000.14 Single User Db	Local Co-ordinate Reference: Well Rae's Creek 25 36 22 Fed Com #095H
Company: Matador Production Company	TVD Reference: KB @ 3087.5usft
Project: Antelope Ridge	MD Reference: KB @ 3087.5usft
Site: Rae's Creek	North Reference: Grid
Well: Rae's Creek 25 36 22 Fed Com #095H	Survey Calculation Method: Minimum Curvature
Wellbore: Wellbore #1	
Design: BLM Plan #1	

Project	Antelope Ridge
Map System:	US State Plane 1927 (Exact solution)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico East 3001

Site	Rae's Creek
Site Position:	Northing: 405,069.29 usft
From: Lat/Long	Easting: 835,545.96 usft
Position Uncertainty:	0.0 usft Slot Radius: 13-3/16 "

Latitude: 32° 6' 32.453 N
Longitude: 103° 14' 58.749 W
Grid Convergence: 0.58 °

Well	Rae's Creek 25 36 22 Fed Com #095H
Well Position	+N/-S -29.8 usft Northing: 405,039.50 usft Latitude: 32° 6' 32.155 N
	+E/-W 30.4 usft Easting: 835,576.34 usft Longitude: 103° 14' 58.400 W

Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,059.0 usft
Wellbore Wellbore #1			
Magnetics Model Name Sample Date Declination Dip Angle Field Strength			
IGRF2015 12/31/2024 7.61 60.17 48,731.66887966			

Design	BLM Plan #1
Audit Notes:	
Version:	Phase: PROTOTYPE Tie On Depth: 13,858.1
Vertical Section:	Depth From (TVD) +N/-S Direction (usft) (usft) (°)
	6.0 0.0 0.0 359.47

Plan Survey Tool Program		Date	11/14/2025	Remarks	
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks	
(usft)	(usft)				
1	13,858.1	24,584.6 BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
13,858.1	0.00	0.00	13,763.2	-106.5	1,377.7	0.00	0.00	0.00	0.00	
14,758.1	90.00	359.55	14,336.2	466.4	1,373.2	10.00	10.00	0.00	359.55	
14,762.0	90.00	359.47	14,336.2	470.3	1,373.1	2.00	0.03	-2.00	-89.26	
24,584.6	90.00	359.47	14,336.0	10,292.5	1,282.7	0.00	0.00	0.00	0.00	BHL - Rae's Creek 25

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Rae's Creek 25 36 22 Fed Com #095H
Company:	Matador Production Company	TVD Reference:	KB @ 3087.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3087.5usft
Site:	Rae's Creek	North Reference:	Grid
Well:	Rae's Creek 25 36 22 Fed Com #095H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM 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)	
13,858.1	0.00	0.00	13,763.2	-106.5	1,377.7	-119.2	0.00	0.00	0.00	
Start Build 10.00										
13,858.9	0.08	359.55	13,764.0	-106.5	1,377.7	-119.2	10.00	10.00	0.00	
KOP - Rae's Creek 25 36 22 Fed Com #095H										
13,876.6	1.85	359.55	13,781.7	-106.2	1,377.7	-118.9	10.00	10.00	0.00	
Miss Lime										
13,900.0	4.19	359.55	13,805.1	-105.0	1,377.6	-117.7	10.00	10.00	0.00	
14,000.0	14.19	359.55	13,903.7	-89.0	1,377.5	-101.8	10.00	10.00	0.00	
14,098.1	24.00	359.55	13,996.3	-57.0	1,377.3	-69.7	10.00	10.00	0.00	
FPP - Rae's Creek 25 36 22 Fed Com #095H										
14,100.0	24.19	359.55	13,998.0	-56.2	1,377.3	-68.9	10.00	10.00	0.00	
14,200.0	34.19	359.55	14,085.2	-7.5	1,376.9	-20.2	10.00	10.00	0.00	
14,225.6	36.75	359.55	14,106.0	7.3	1,376.8	-5.4	10.00	10.00	0.00	
WF										
14,300.0	44.19	359.55	14,162.6	55.6	1,376.4	42.9	10.00	10.00	0.00	
14,400.0	54.19	359.55	14,227.9	131.2	1,375.8	118.5	10.00	10.00	0.00	
14,500.0	64.19	359.55	14,279.0	217.0	1,375.1	204.3	10.00	10.00	0.00	
14,600.0	74.19	359.55	14,314.5	310.3	1,374.4	297.6	10.00	10.00	0.00	
14,700.0	84.19	359.55	14,333.2	408.4	1,373.6	395.7	10.00	10.00	0.00	
14,758.1	90.00	359.55	14,336.2	466.4	1,373.2	453.7	10.00	10.00	0.00	
Start DLS 2.00 TFO -89.26										
14,762.0	90.00	359.47	14,336.2	470.3	1,373.1	457.6	2.00	0.03	-2.00	
Start 9822.6 hold at 14756.0 MD										
14,800.0	90.00	359.47	14,336.2	508.3	1,372.8	495.6	0.00	0.00	0.00	
14,900.0	90.00	359.47	14,336.2	608.3	1,371.9	595.6	0.00	0.00	0.00	
15,000.0	90.00	359.47	14,336.2	708.3	1,370.9	695.6	0.00	0.00	0.00	
15,100.0	90.00	359.47	14,336.2	808.3	1,370.0	795.6	0.00	0.00	0.00	
15,200.0	90.00	359.47	14,336.2	908.3	1,369.1	895.6	0.00	0.00	0.00	
15,300.0	90.00	359.47	14,336.2	1,008.3	1,368.2	995.6	0.00	0.00	0.00	
15,400.0	90.00	359.47	14,336.2	1,108.3	1,367.2	1,095.6	0.00	0.00	0.00	
15,500.0	90.00	359.47	14,336.2	1,208.3	1,366.3	1,195.6	0.00	0.00	0.00	
15,600.0	90.00	359.47	14,336.2	1,308.3	1,365.4	1,295.6	0.00	0.00	0.00	
15,700.0	90.00	359.47	14,336.2	1,408.3	1,364.5	1,395.6	0.00	0.00	0.00	
15,800.0	90.00	359.47	14,336.2	1,508.3	1,363.6	1,495.6	0.00	0.00	0.00	
15,900.0	90.00	359.47	14,336.2	1,608.3	1,362.6	1,595.6	0.00	0.00	0.00	
16,000.0	90.00	359.47	14,336.1	1,708.3	1,361.7	1,695.6	0.00	0.00	0.00	
16,100.0	90.00	359.47	14,336.1	1,808.3	1,360.8	1,795.6	0.00	0.00	0.00	
16,200.0	90.00	359.47	14,336.1	1,908.3	1,359.9	1,895.6	0.00	0.00	0.00	
16,300.0	90.00	359.47	14,336.1	2,008.3	1,359.0	1,995.6	0.00	0.00	0.00	
16,400.0	90.00	359.47	14,336.1	2,108.3	1,358.0	2,095.6	0.00	0.00	0.00	
16,500.0	90.00	359.47	14,336.1	2,208.3	1,357.1	2,195.6	0.00	0.00	0.00	
16,600.0	90.00	359.47	14,336.1	2,308.3	1,356.2	2,295.6	0.00	0.00	0.00	
16,700.0	90.00	359.47	14,336.1	2,408.3	1,355.3	2,395.6	0.00	0.00	0.00	
16,800.0	90.00	359.47	14,336.1	2,508.2	1,354.4	2,495.6	0.00	0.00	0.00	
16,900.0	90.00	359.47	14,336.1	2,608.2	1,353.4	2,595.6	0.00	0.00	0.00	
17,000.0	90.00	359.47	14,336.1	2,708.2	1,352.5	2,695.6	0.00	0.00	0.00	
17,100.0	90.00	359.47	14,336.1	2,808.2	1,351.6	2,795.6	0.00	0.00	0.00	
17,200.0	90.00	359.47	14,336.1	2,908.2	1,350.7	2,895.6	0.00	0.00	0.00	
17,300.0	90.00	359.47	14,336.1	3,008.2	1,349.8	2,995.6	0.00	0.00	0.00	
17,400.0	90.00	359.47	14,336.1	3,108.2	1,348.8	3,095.6	0.00	0.00	0.00	
17,500.0	90.00	359.47	14,336.1	3,208.2	1,347.9	3,195.6	0.00	0.00	0.00	
17,600.0	90.00	359.47	14,336.1	3,308.2	1,347.0	3,295.6	0.00	0.00	0.00	
17,700.0	90.00	359.47	14,336.1	3,408.2	1,346.1	3,395.6	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 Rae's Creek Rae's Creek 25 36 22 Fed Com #095H Wellbore #1 BLM Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Rae's Creek 25 36 22 Fed Com #095H KB @ 3087.5usft KB @ 3087.5usft 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)
17,800.0	90.00	359.47	14,336.1	3,508.2	1,345.1	3,495.6	0.00	0.00	0.00
17,900.0	90.00	359.47	14,336.1	3,608.2	1,344.2	3,595.6	0.00	0.00	0.00
18,000.0	90.00	359.47	14,336.1	3,708.2	1,343.3	3,695.6	0.00	0.00	0.00
18,100.0	90.00	359.47	14,336.1	3,808.2	1,342.4	3,795.6	0.00	0.00	0.00
18,200.0	90.00	359.47	14,336.1	3,908.2	1,341.5	3,895.6	0.00	0.00	0.00
18,300.0	90.00	359.47	14,336.1	4,008.2	1,340.5	3,995.6	0.00	0.00	0.00
18,400.0	90.00	359.47	14,336.1	4,108.2	1,339.6	4,095.6	0.00	0.00	0.00
18,500.0	90.00	359.47	14,336.1	4,208.2	1,338.7	4,195.6	0.00	0.00	0.00
18,600.0	90.00	359.47	14,336.1	4,308.2	1,337.8	4,295.6	0.00	0.00	0.00
18,700.0	90.00	359.47	14,336.1	4,408.2	1,336.9	4,395.6	0.00	0.00	0.00
18,800.0	90.00	359.47	14,336.1	4,508.2	1,335.9	4,495.6	0.00	0.00	0.00
18,900.0	90.00	359.47	14,336.1	4,608.2	1,335.0	4,595.6	0.00	0.00	0.00
19,000.0	90.00	359.47	14,336.1	4,708.2	1,334.1	4,695.6	0.00	0.00	0.00
19,100.0	90.00	359.47	14,336.1	4,808.2	1,333.2	4,795.6	0.00	0.00	0.00
19,200.0	90.00	359.47	14,336.1	4,908.1	1,332.3	4,895.6	0.00	0.00	0.00
19,300.0	90.00	359.47	14,336.1	5,008.1	1,331.3	4,995.6	0.00	0.00	0.00
19,400.0	90.00	359.47	14,336.1	5,108.1	1,330.4	5,095.6	0.00	0.00	0.00
19,500.0	90.00	359.47	14,336.1	5,208.1	1,329.5	5,195.6	0.00	0.00	0.00
19,600.0	90.00	359.47	14,336.1	5,308.1	1,328.6	5,295.6	0.00	0.00	0.00
19,700.0	90.00	359.47	14,336.1	5,408.1	1,327.6	5,395.6	0.00	0.00	0.00
19,800.0	90.00	359.47	14,336.1	5,508.1	1,326.7	5,495.6	0.00	0.00	0.00
19,900.0	90.00	359.47	14,336.1	5,608.1	1,325.8	5,595.6	0.00	0.00	0.00
20,000.0	90.00	359.47	14,336.1	5,708.1	1,324.9	5,695.6	0.00	0.00	0.00
20,100.0	90.00	359.47	14,336.1	5,808.1	1,324.0	5,795.6	0.00	0.00	0.00
20,200.0	90.00	359.47	14,336.1	5,908.1	1,323.0	5,895.6	0.00	0.00	0.00
20,300.0	90.00	359.47	14,336.1	6,008.1	1,322.1	5,995.6	0.00	0.00	0.00
20,400.0	90.00	359.47	14,336.1	6,108.1	1,321.2	6,095.6	0.00	0.00	0.00
20,500.0	90.00	359.47	14,336.1	6,208.1	1,320.3	6,195.6	0.00	0.00	0.00
20,600.0	90.00	359.47	14,336.1	6,308.1	1,319.4	6,295.6	0.00	0.00	0.00
20,700.0	90.00	359.47	14,336.1	6,408.1	1,318.4	6,395.6	0.00	0.00	0.00
20,800.0	90.00	359.47	14,336.1	6,508.1	1,317.5	6,495.6	0.00	0.00	0.00
20,900.0	90.00	359.47	14,336.1	6,608.1	1,316.6	6,595.6	0.00	0.00	0.00
21,000.0	90.00	359.47	14,336.1	6,708.1	1,315.7	6,695.6	0.00	0.00	0.00
21,100.0	90.00	359.47	14,336.1	6,808.1	1,314.8	6,795.6	0.00	0.00	0.00
21,200.0	90.00	359.47	14,336.1	6,908.1	1,313.8	6,895.6	0.00	0.00	0.00
21,300.0	90.00	359.47	14,336.1	7,008.1	1,312.9	6,995.6	0.00	0.00	0.00
21,400.0	90.00	359.47	14,336.1	7,108.1	1,312.0	7,095.6	0.00	0.00	0.00
21,500.0	90.00	359.47	14,336.1	7,208.0	1,311.1	7,195.6	0.00	0.00	0.00
21,600.0	90.00	359.47	14,336.1	7,308.0	1,310.1	7,295.6	0.00	0.00	0.00
21,700.0	90.00	359.47	14,336.1	7,408.0	1,309.2	7,395.6	0.00	0.00	0.00
21,800.0	90.00	359.47	14,336.0	7,508.0	1,308.3	7,495.6	0.00	0.00	0.00
21,900.0	90.00	359.47	14,336.0	7,608.0	1,307.4	7,595.6	0.00	0.00	0.00
22,000.0	90.00	359.47	14,336.0	7,708.0	1,306.5	7,695.6	0.00	0.00	0.00
22,100.0	90.00	359.47	14,336.0	7,808.0	1,305.5	7,795.6	0.00	0.00	0.00
22,200.0	90.00	359.47	14,336.0	7,908.0	1,304.6	7,895.6	0.00	0.00	0.00
22,300.0	90.00	359.47	14,336.0	8,008.0	1,303.7	7,995.6	0.00	0.00	0.00
22,400.0	90.00	359.47	14,336.0	8,108.0	1,302.8	8,095.6	0.00	0.00	0.00
22,500.0	90.00	359.47	14,336.0	8,208.0	1,301.9	8,195.6	0.00	0.00	0.00
22,600.0	90.00	359.47	14,336.0	8,308.0	1,300.9	8,295.6	0.00	0.00	0.00
22,700.0	90.00	359.47	14,336.0	8,408.0	1,300.0	8,395.6	0.00	0.00	0.00
22,800.0	90.00	359.47	14,336.0	8,508.0	1,299.1	8,495.6	0.00	0.00	0.00
22,900.0	90.00	359.47	14,336.0	8,608.0	1,298.2	8,595.6	0.00	0.00	0.00
23,000.0	90.00	359.47	14,336.0	8,708.0	1,297.3	8,695.6	0.00	0.00	0.00
23,100.0	90.00	359.47	14,336.0	8,808.0	1,296.3	8,795.6	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 Rae's Creek Rae's Creek 25 36 22 Fed Com #095H Wellbore #1 BLM Plan #1	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method:	Well Rae's Creek 25 36 22 Fed Com #095H KB @ 3087.5usft KB @ 3087.5usft 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)
23,200.0	90.00	359.47	14,336.0	8,908.0	1,295.4	8,895.6	0.00	0.00	0.00
23,300.0	90.00	359.47	14,336.0	9,008.0	1,294.5	8,995.6	0.00	0.00	0.00
23,400.0	90.00	359.47	14,336.0	9,108.0	1,293.6	9,095.6	0.00	0.00	0.00
23,500.0	90.00	359.47	14,336.0	9,208.0	1,292.6	9,195.6	0.00	0.00	0.00
23,600.0	90.00	359.47	14,336.0	9,308.0	1,291.7	9,295.6	0.00	0.00	0.00
23,700.0	90.00	359.47	14,336.0	9,408.0	1,290.8	9,395.6	0.00	0.00	0.00
23,800.0	90.00	359.47	14,336.0	9,508.0	1,289.9	9,495.6	0.00	0.00	0.00
23,900.0	90.00	359.47	14,336.0	9,607.9	1,289.0	9,595.6	0.00	0.00	0.00
24,000.0	90.00	359.47	14,336.0	9,707.9	1,288.0	9,695.6	0.00	0.00	0.00
24,100.0	90.00	359.47	14,336.0	9,807.9	1,287.1	9,795.6	0.00	0.00	0.00
24,200.0	90.00	359.47	14,336.0	9,907.9	1,286.2	9,895.6	0.00	0.00	0.00
24,300.0	90.00	359.47	14,336.0	10,007.9	1,285.3	9,995.6	0.00	0.00	0.00
24,400.0	90.00	359.47	14,336.0	10,107.9	1,284.4	10,095.6	0.00	0.00	0.00
24,500.0	90.00	359.47	14,336.0	10,207.9	1,283.4	10,195.6	0.00	0.00	0.00
24,584.6	90.00	359.47	14,336.0	10,292.5	1,282.7	10,280.2	0.00	0.00	0.00
TD at 24578.6 - BHL - Rae's Creek 25 36 22 Fed Com #095H									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir.	TVD (usft)	+N/S (usft)	+E/W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target	0.00	0.00	13,764.0	-106.5	1,377.7	404,933.00	836,954.00	32° 6' 30.964 N	103° 14' 42.397 W
- Shape									
KOP - Rae's Creek 25 3f	0.00	0.00	13,996.2	-56.9	1,377.2	404,982.61	836,953.54	32° 6' 31.455 N	103° 14' 42.397 W
- plan misses target center by 0.1usft at 14098.1usft MD (13996.3 TVD, -57.0 N, 1377.3 E)									
- Point									
FPP - Rae's Creek 25 3f	0.00	0.00	14,336.0	10,292.5	1,282.7	415,332.00	836,859.00	32° 8' 13.869 N	103° 14' 42.281 W
- plan hits target center									
- Point									

Casing Points									
Measured Depth (usft)	Vertical Depth (usft)	Name				Casing Diameter ("")	Hole Diameter ("")		
155.0	155.0	30" Conductor Casing				30	36		
1,346.0	1,346.0	20" Surface Casing				20	26		
5,363.0	5,343.5	13 3/8" Intermediate Casing				13-3/8	17-1/2		
11,218.0	11,141.6	9 5/8" Intermediate Casing				9-5/8	12-1/4		

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Rae's Creek 25 36 22 Fed Com #095H
Company:	Matador Production Company	TVD Reference:	KB @ 3087.5usft
Project:	Antelope Ridge	MD Reference:	KB @ 3087.5usft
Site:	Rae's Creek	North Reference:	Grid
Well:	Rae's Creek 25 36 22 Fed Com #095H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,275.0	1,275.0	Rustler				
1,699.0	1,699.0	Salado				
3,207.1	3,207.0	Tansill/Capitan				
5,312.0	5,293.0	G26: Bell Cyn.				
5,466.5	5,446.0	G13: Cherry Cyn.				
6,410.7	6,381.0	G7: Brushy Cyn.				
7,219.5	7,182.0	G4: BSGL (CS9)				
7,613.4	7,572.0	L8.2: U. Avalon Shale				
7,717.4	7,675.0	L6.3: Avalon Carb				
8,960.5	8,906.0	L5.1: FBSG				
9,032.2	8,977.0	L4.3: SBSC				
9,355.9	9,297.6	L4.1: SBSG				
9,392.7	9,334.0	L3.3: TBSC				
10,632.4	10,561.6	L3.1: TBSG				
10,830.4	10,757.7	L2: WFMP A				
11,167.7	11,091.7	WFMP B				
12,288.5	12,201.6	Morrow				
13,663.9	13,569.0	Barnett				
13,876.6	13,781.7	Miss Lime				
14,225.6	14,106.0	WF				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N-S (usft)	+E-W (usft)		
13,858.1	13,763.2	-106.5	1,377.7	Start Build 10.00	
14,758.1	14,336.2	466.4	1,373.2	Start DLS 2.00 TFO -89.26	
14,762.0	14,336.2	470.3	1,373.1	Start 9822.6 hold at 14756.0 MD	
24,584.6	14,336.0	10,292.5	1,282.7	TD at 24578.6	

Form 3160-3
(October 2024)FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work:	<input type="checkbox"/> DRILL	<input type="checkbox"/> REENTER	7. If Unit or CA Agreement, Name and No.	
1b. Type of Well:	<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other	8. Lease Name and Well No.
1c. Type of Completion:	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Single Zone	<input type="checkbox"/> Multiple Zone	
2. Name of Operator				9. API Well No.
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Exploratory	
4. Location of Well (Report location clearly and in accordance with any State requirements. *)				11. Sec., T. R. M. or Blk. and Survey or Area
At surface				
At proposed prod. zone				
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*		23. Estimated duration	
24. Attachments				

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.	4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
2. A Drilling Plan.	5. Operator certification.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).	6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature <i>Cassie Hahn</i>	Name (Printed/Typed)	Date
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Title

Approved by (Signature)	Name (Printed/Typed)	Date
		12/10/2025
Title Sup. P.E.	Office CFO	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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

(Continued on page 2)

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices. As of May 13, 2017, and pursuant to 43 CFR § 3171.5, operators must file this form and associated documents using the Bureau of Land Management's electronic commerce application, the Automated Fluid Minerals Support System (AFMSS). <https://afmss.blm.gov/afmss-gateway-ui/>

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been direction any drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOTICES

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

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

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

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

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

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>

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

CONDITIONS

Action 542792

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 542792
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Original wellbore must be plugged in accordance with OCD regulations.	1/13/2026
matthew.gomez	Well has been skid. Previous API # 30-025-54321. Current API # 30-025-55796.	1/13/2026
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	1/13/2026
matthew.gomez	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.	1/13/2026
matthew.gomez	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.	1/13/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USI log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	1/13/2026
matthew.gomez	All conducted logs shall be submitted to the OCD.	1/13/2026
matthew.gomez	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	1/13/2026
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	1/13/2026
matthew.gomez	This well is within the Capitan Reef. The first intermediate casing string shall be set and cemented back to surface immediately below the base of the Capitan Reef.	1/13/2026
matthew.gomez	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. (The operator shall notify NMOCD of this switch.)	1/13/2026
matthew.gomez	Production casing cement should tie-back at least 200 feet into 2nd intermediate casing string.	1/13/2026
matthew.gomez	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/13/2026
matthew.gomez	Directional survey reports the first take point is anticipated to occur within the Mississippian Lime. If production is desired to occur outside of the Woodford formation, a second pool must be added via a [C-103] NOI Change of Plans (C-103A) and a DHC must be approved prior to producing the well.	1/13/2026