

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: R WILSON FED COM	Well Location: T23S / R27E / SEC 22 / SESE / 32.285579 / -104.1710791	County or Parish/State: EDDY / NM
Well Number: 137H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM139351	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001557693	Operator: MATADOR PRODUCTION COMPANY	

Notice of Intent

Sundry ID: 2898514

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/03/2026

Time Sundry Submitted: 10:24

Date proposed operation will begin: 03/03/2026

Procedure Description: BLM Bond # NMB001079 and Surety Bond # RLB0015172 Matador request the option to amend the well design of the R Wilson Fed Com 137H and make the following changes to the current APD: - Change well name from R Wilson Fed Com 137H to R Wilson Fed Com 153H - Change well SHL from 1265' FNL & 951' FEL section 22 to 802' FSL & 486' FEL section 22 - TVD change to 8,455' - Option to drill intermediate hole size of 8-3/4" OH - Option to run intermediate casing type of 7-5/8" MO-FXL - Option to perform a bradenhead squeeze on the intermediate string. The top of the primary tail slurry will be pumped to the top of the Brushy Canyon, bradenhead squeeze will be performed offline to fill the annulus to surface.

NOI Attachments

Procedure Description

- R_Wilson_Fed_Com_153H_Directional_Wall_Plot_20260313104618.pdf
- R_Wilson_Fed_Com_153H_Casing_Table_Spec_Option_B_20260313104537.pdf
- LO_R_WILSON_FED_COM_153H_REV3_S_signed_20260313104514.pdf
- R_Wilson_Fed_Com_153H_Casing_Table_Spec_Option_A_20260313103742.pdf
- R_Wilson_Fed_Com_153H_Directional_AC_Report_20260313103631.pdf
- R_Wilson_Fed_Com_153H_Directional_Well_Plan_20260313103608.pdf
- R_Wilson_Fed_Com_153H_Sundry_Info___NEW_20260313103600.pdf

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County or Parish/State: EDDY / NM

Well Number: 137H

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Unit or CA Name:

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US Well Number: 3001557693

Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Additional

R_WILSON_FED_COM_153H_Sundry_2898514_COA_20260318145909.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: MAR 13, 2026 10:33 AM

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: 04/02/2026

Signature: Cody R. Layton

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

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

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

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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

Additional Remarks

Canyon, bradenhead squeeze will be performed offline to fill the annulus to surface.

Location of Well

0. SHL: SESE / 802 FSL / 486 FEL / TWSP: 23S / RANGE: 27E / SECTION: 22 / LAT: 32.285579 / LONG: -104.1710791 (TVD: 0 feet, MD: 0 feet)

PPP: NWSW / 1980 FSL / 100 FWL / TWSP: 23S / RANGE: 27E / SECTION: 23 / LAT: 32.2888441 / LONG: -104.1691709 (TVD: 8934 feet, MD: 9143 feet)

PPP: NWSE / 1980 FSL / 2639 FEL / TWSP: 23S / RANGE: 27E / SECTION: 23 / LAT: 32.2888482 / LONG: -104.1609547 (TVD: 8985 feet, MD: 11716 feet)

PPP: NWSE / 1980 FSL / 1319 FEL / TWSP: 23S / RANGE: 27E / SECTION: 23 / LAT: 32.2888502 / LONG: -104.156685 (TVD: 8985 feet, MD: 13035 feet)

BHL: NESE / 1980 FSL / 110 FEL / TWSP: 23S / RANGE: 27E / SECTION: 24 / LAT: 32.2888577 / LONG: -104.1355754 (TVD: 8985 feet, MD: 17914 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
WELL NAME & NO.:	R WILSON FED COM 153H
APD ID:	10400106410
LOCATION:	Section 22, T.23 S., R.27 E. NMP.
COUNTY:	<input type="text" value="Eddy County, New Mexico"/>

COA

H ₂ S	<input type="radio"/> No	<input checked="" type="radio"/> 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 type="radio"/> Low	<input type="radio"/> Medium	<input checked="" 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 checked="" type="checkbox"/> Cont. Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input checked="" type="checkbox"/> DV Tool
Special Req	<input 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 checked="" type="radio"/> Waste Min. Plan	<input type="radio"/> APD Submitted prior to 06/10/2024	
Additional Language	<input checked="" type="checkbox"/> Flex Hose <input type="checkbox"/> Four-String	<input type="checkbox"/> Casing Clearance <input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Pilot Hole <input type="checkbox"/> Fluid-Filled	<input checked="" type="checkbox"/> Break Testing

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. CASING

Note: Surface casing set depth was adjusted per BLM geologist's recommendation. *"The operator proposes to set surface casing at 197' which, according to nearby well logs, may not protect the usable water. Instead, BLM suggests to set the surface casing at approximately 350', which will be in competent bedrock for casing and will adequately protect all usable water zones. If salt is encountered set casing at least 25' above the salt."*

1. The **13-3/8** inch surface casing shall be set at approximately **350** ft. (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) 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 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Note: Due to the change in surface casing set depth, the cement volume must be adjusted accordingly.

Note: Operator has requested to have the option to drill either 17-1/2" or 20" surface hole. Both hole sizes meet title 43 CFR 3172 clearance requirements between casing-coupling and hole. This option is granted; adjust cement volume accordingly.

2. The 7-5/8 inch intermediate casing shall be set in a competent bed at approximately 7,952 ft. (7,782 ft. TVD). The minimum required fill of cement behind the 7-5/8 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 Cave/Karst.

Option 2 (Two-Stage): The operator has proposed utilizing a DV tool. Operator may adjust depth of DV tool. Adjust cement volume accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **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.
- b. **Second stage above DV tool: Cement to surface.** If cement does not circulate, contact the appropriate BLM office. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Cave/Karst. Excess cement for the 2nd stage is less than 25%. More cement might be needed.

Option 3 (Two-stage): Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon** at 4,143 ft.
 - b. **Second stage:** Operator will perform bradenhead squeeze and top-out. **Cement to surface.** If cement does not reach surface, the appropriate BLM office shall be notified. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Cave/Karst. Excess cement for BH is less than 25%. More cement might be needed.
- ❖ Operator has proposed to pump down Surface × Intermediate 1 annulus after primary cementing stage. **Operator must run Echo-meter to verify Cement Slurry/Fluid top in**

the annulus OR operator shall run a CBL from TD of the Intermediate 1 casing to tieback requirements listed above after the second stage BH to verify TOC. Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

- ❖ In High Cave/Karst 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.

Note: Operator has requested the option to drill an 8-3/4-inch intermediate interval and run 7-5/8-inch casing with MO-FXL flush-joint connections. This option is approved.

3. Operator has proposed to set 5-1/2-inch production casing at approximately **19,085 ft.** (8,455 ft. TVD). The minimum required fill of cement behind the production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**

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 **Eddy County: 575-361-2822.**

B. 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. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**. Before drilling the surface casing shoe out, the BOP/BOPE 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 43 CFR 3172 must be followed.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 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 **(575-361-2822 Eddy 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 **43 CFR 3172**.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

C. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization 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 Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization 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.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- 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 Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 520 East Greene St., Carlsbad, NM 88220;
BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822.

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 & CEMENTING

1. The current acceptable methods of cement verification are as follows:
 - i. Observing cement circulated to surface,
 - ii. Cement Bond Log (CBL),
 - iii. Temperature log within 8-10 hours after completing the cement job,
 - iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)
2. 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.

3. 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.
4. 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.
5. 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.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. 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.
8. 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.
9. 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 03/18/2026



SURVEY PROGRAM

WELL DETAILS: R Wilson Fed Com #153H

Depth From	Depth To	Survey/Plan	Tool	+N/-S	+E/-W	Northing	GL @ 3149.0	Easting	KB @ 3177.5usft	Latitude	Longitude	Slot
0.0	19084.9	BLM Plan #1 (Wellbore #1)	MWD	0.0	0.0	467605.24		550296.17	32° 17' 7.651 N	104° 10' 14.083 W		

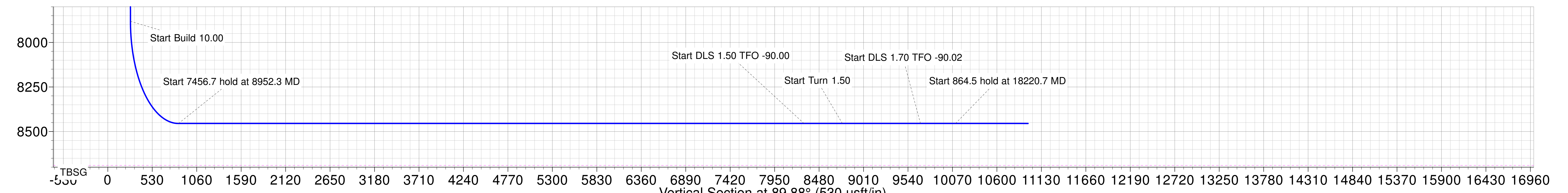
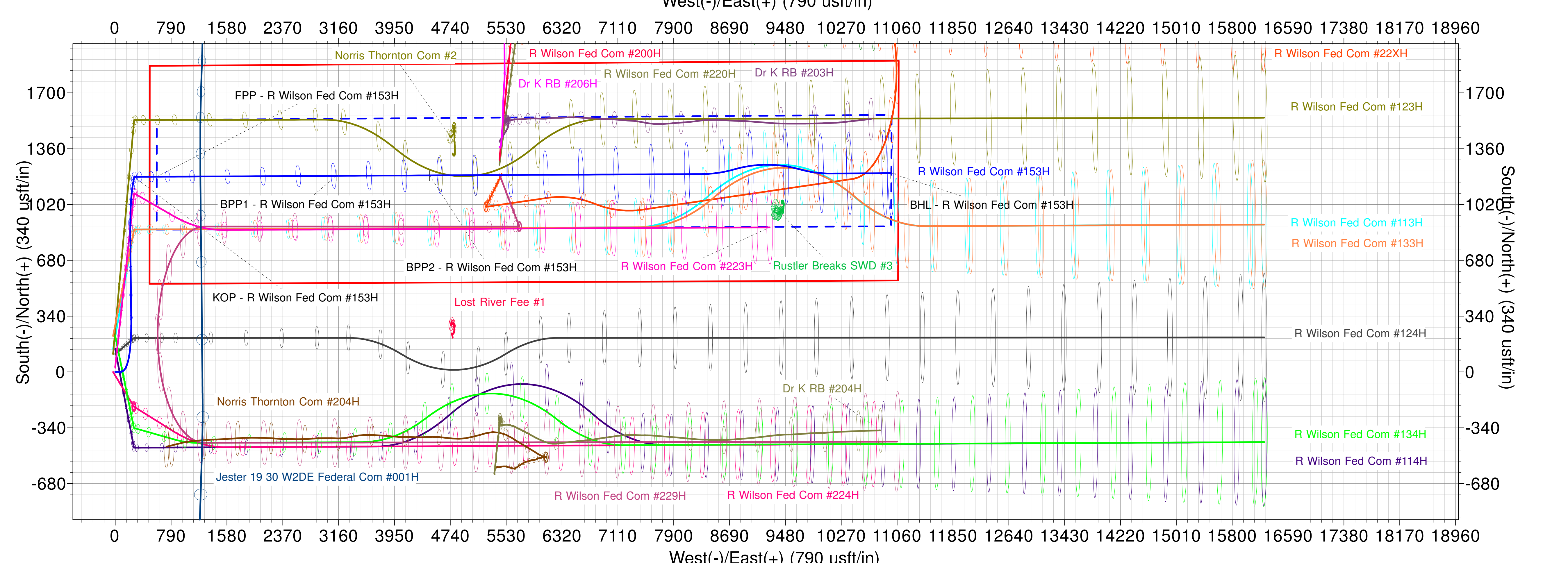
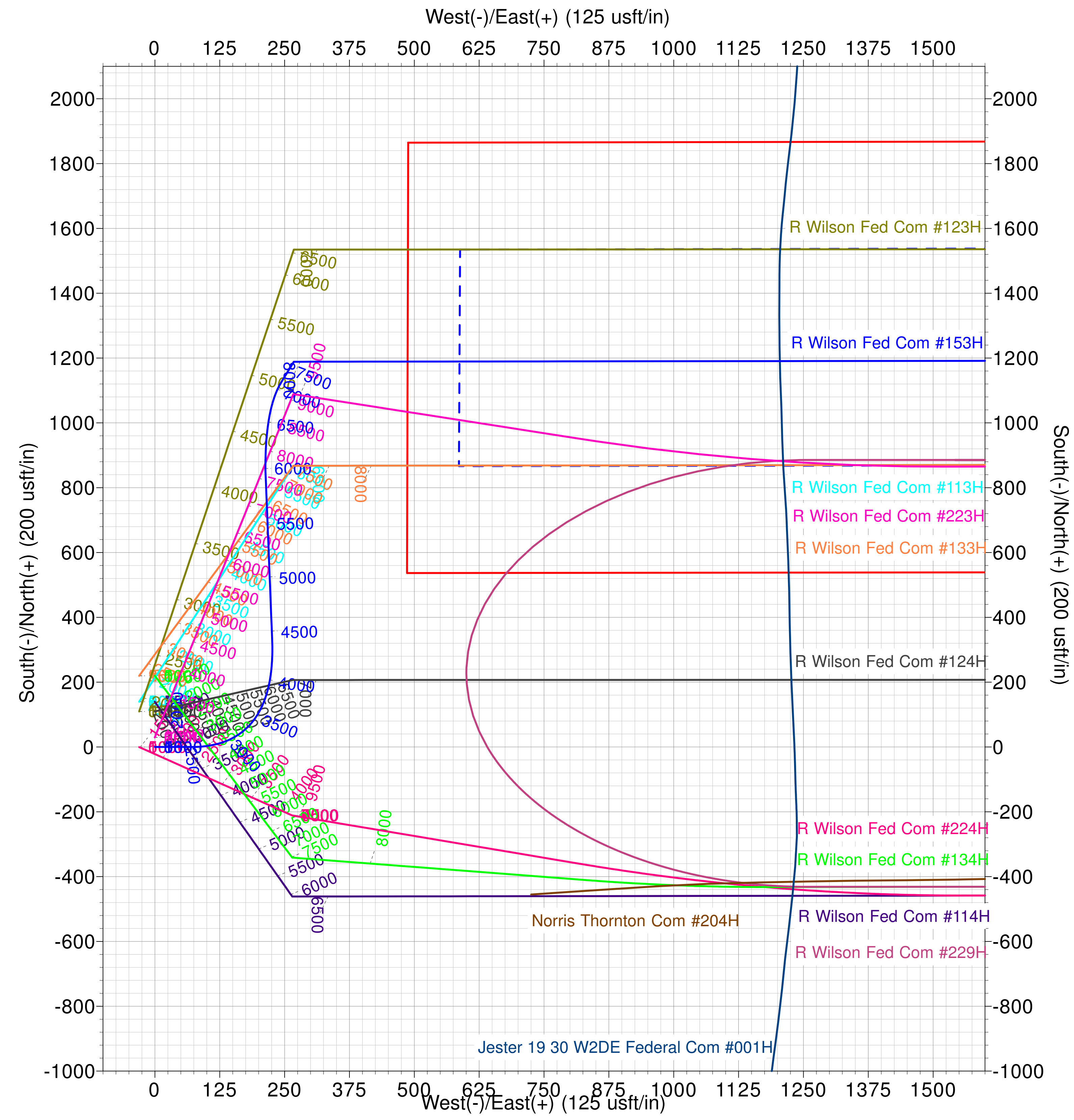
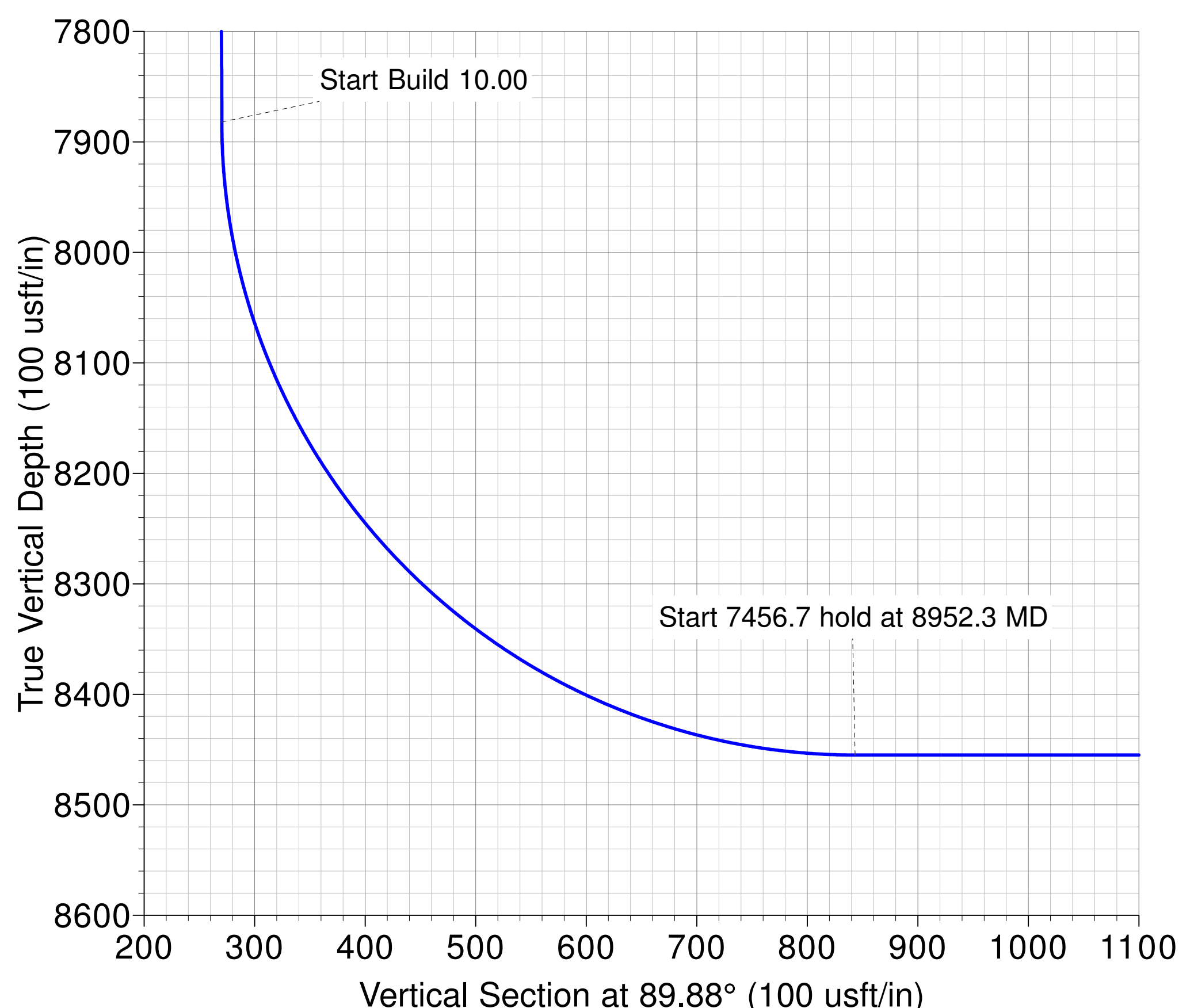
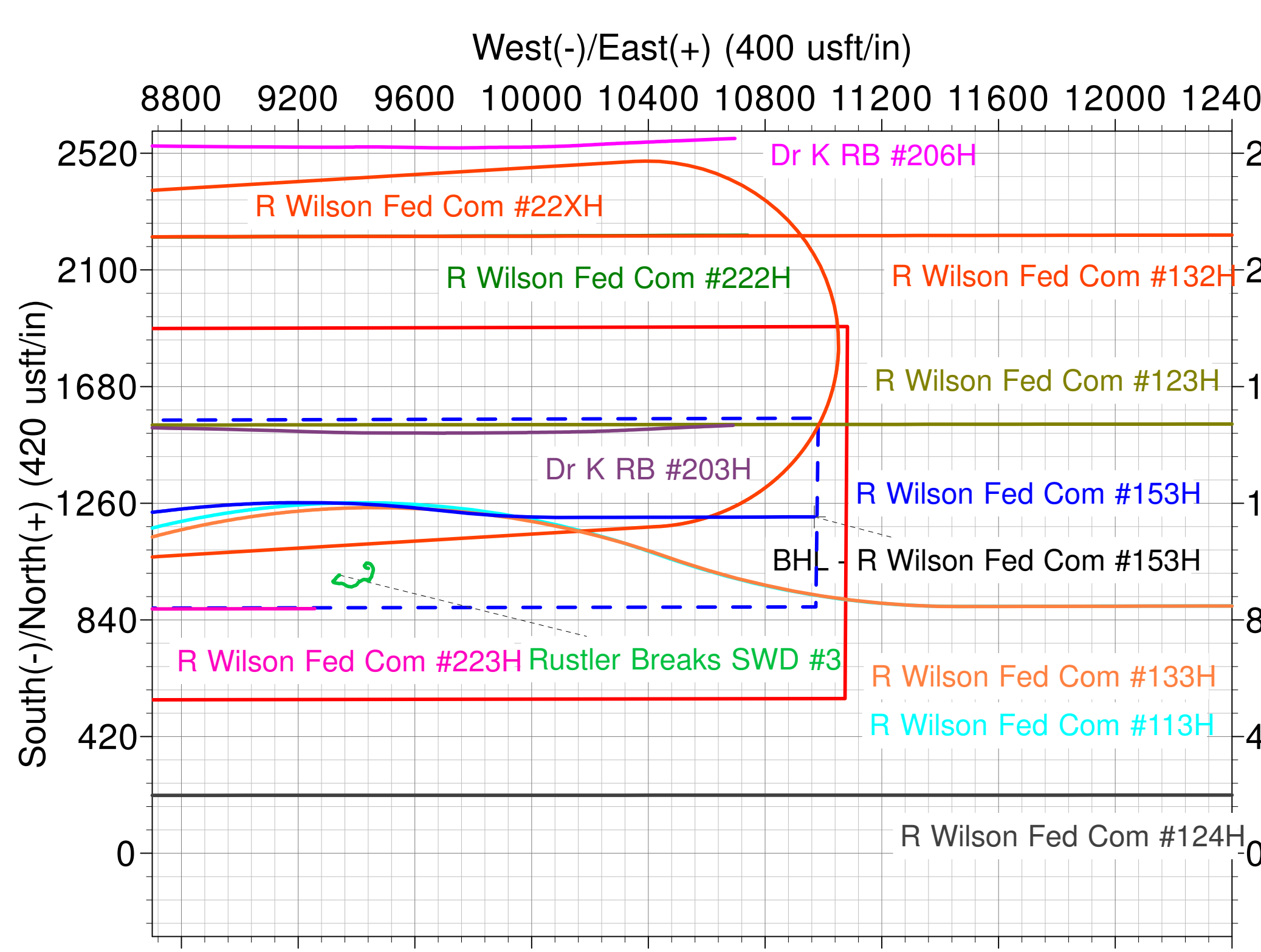
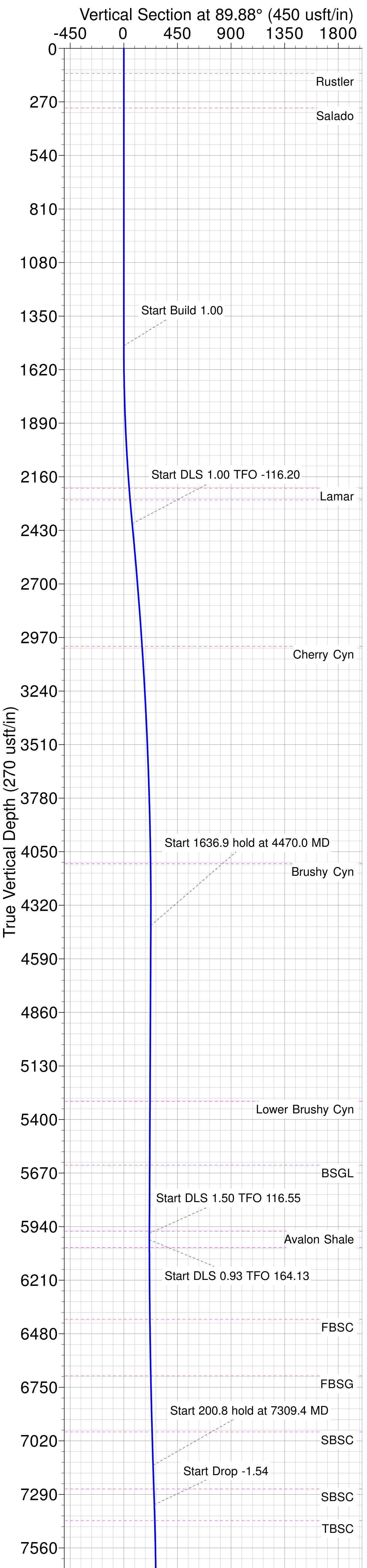
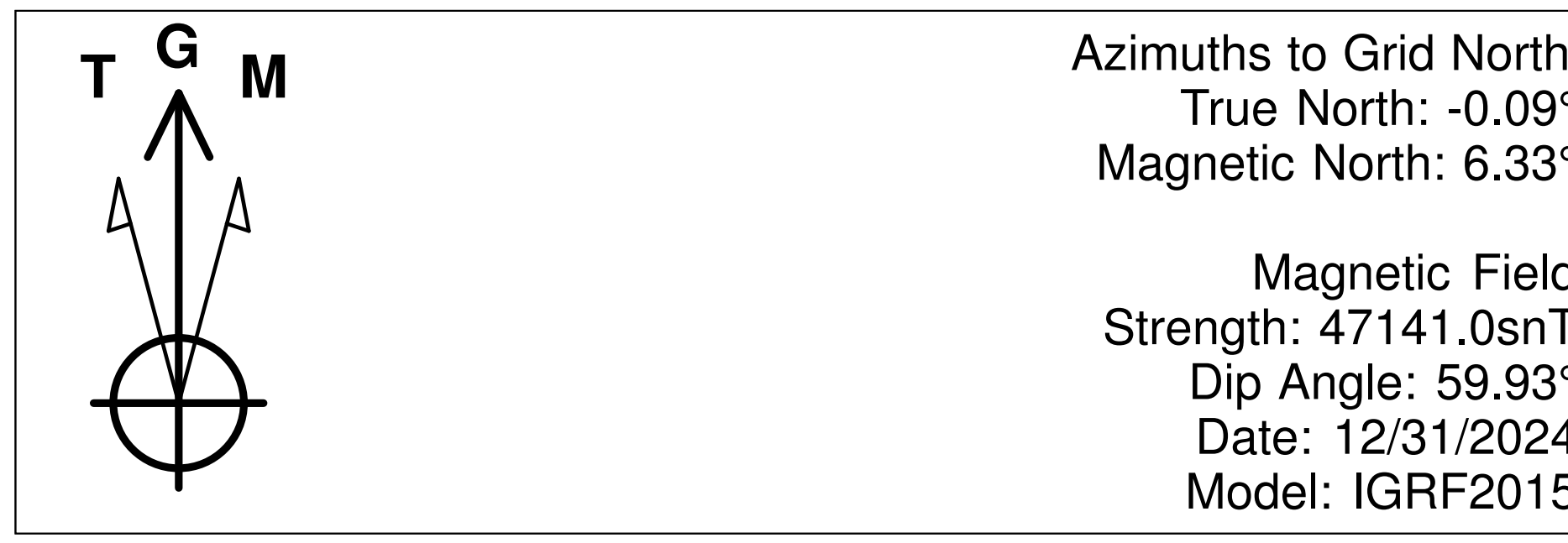
Company: Matador Production Company
Well: R Wilson Fed Com #153H
County: Eddy County, NM
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 3/10/2026

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP - R Wilson Fed Com #153H	7882.0	1188.8	267.8	468794.00	550564.00	32° 17' 19.411 N	104° 10' 10.942 W
BHL - R Wilson Fed Com #153H	8455.0	1210.9	10969.1	468816.19	561265.28	32° 17' 19.452 N	104° 8' 6.275 W
BPP1 - R Wilson Fed Com #153H	8455.0	1194.7	3127.0	468799.99	553423.17	32° 17' 19.426 N	104° 9' 37.634 W
BPP2 - R Wilson Fed Com #153H	8455.0	1197.5	4446.0	468802.75	554742.17	32° 17' 19.432 N	104° 9' 22.268 W
FPP - R Wilson Fed Com #153H	8396.2	1189.4	588.0	468794.67	550884.17	32° 17' 19.413 N	104° 10' 7.212 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
2400.0	9.00	90.00	2396.3	0.0	70.5	1.00	90.00	70.5	Start DLS 1.00 TFO -116.20
4470.0	18.50	358.59	4422.2	331.9	226.0	1.00	-116.20	226.7	Start 1636.9 hold at 4470.0 MD
6106.9	18.50	358.59	5974.5	851.0	213.2	0.00	0.00	215.0	Start DLS 1.50 TFO 116.55
6139.9	18.28	0.00	6005.9	861.4	213.1	1.50	116.55	214.9	Start DLS 0.93 TFO 164.13
7309.4	8.33	20.90	7143.1	1124.8	243.4	0.93	164.13	245.8	Start 200.8 hold at 7309.4 MD
7510.3	8.33	20.90	7341.8	1152.0	253.8	0.00	0.00	256.2	Start Drop -1.54
8052.3	0.00	0.00	7882.0	1188.8	267.8	1.54	180.00	270.3	Start Build 10.00
8952.3	90.00	89.88	8455.0	1190.0	840.8	10.00	89.88	843.3	Start 7456.7 hold at 8952.3 MD
16409.1	90.00	89.88	8455.0	1205.6	8297.5	0.00	0.00	8300.0	Start DLS 1.50 TFO -90.00
16867.7	90.00	83.00	8455.0	1234.0	8755.0	1.50	-90.00	8757.6	Start Turn 1.50
17801.1	90.00	97.00	8455.0	1234.0	9686.0	1.50	90.00	9688.6	Start DLS 1.70 TFO -90.02
18220.7	90.00	89.87	8455.0	1208.9	10104.6	1.70	-90.02	10107.2	Start 864.5 hold at 18220.7 MD
19085.2	90.00	89.87	8455.0	1210.9	10969.1	0.00	0.00	10971.6	TD at 19085.2



Casing Table Specification Sheet

R Wilson Fed Com 153H
SHL: 802' FSL & 486' FEL section 22
BHL: 1980' FSL & 110' FEL section 24
Township/Range: 23S 27E
Elevation Above Sea Level: 3149

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 197	0 - 197	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	8.75	0 - 7952	0 - 7782	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 19085	0 - 8455	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-57693	Pool Code 10380	Pool Name CASS DRAW; BONE SPRING
Property Code	Property Name R WILSON FED COM	Well Number 153H
OGRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Ground Level Elevation 3149'
Surface Owner: <input checked="" type="checkbox"/> State <input 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
P	22	23-S	27-E	-	802' S	486' E	N 32.2855790	W 104.1710791	EDDY

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
I	24	23-S	27-E	-	1980' S	110' E	N 32.2888577	W 104.1355754	EDDY

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API 30-015-41920	Overlapping Spacing Unit (Y/N) No	Consolidated Code C
Order Numbers NA		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
I	22	23-S	27-E	-	1984' S	220' E	N 32.2888451	W 104.1702065	EDDY


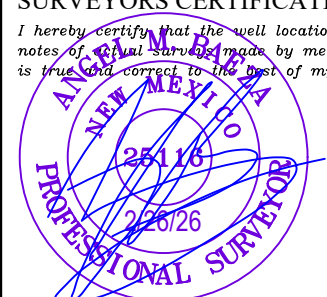
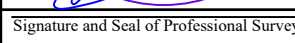
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
L	23	23-S	27-E	-	1980' S	100' W	N 32.2888441	W 104.1691709	EDDY

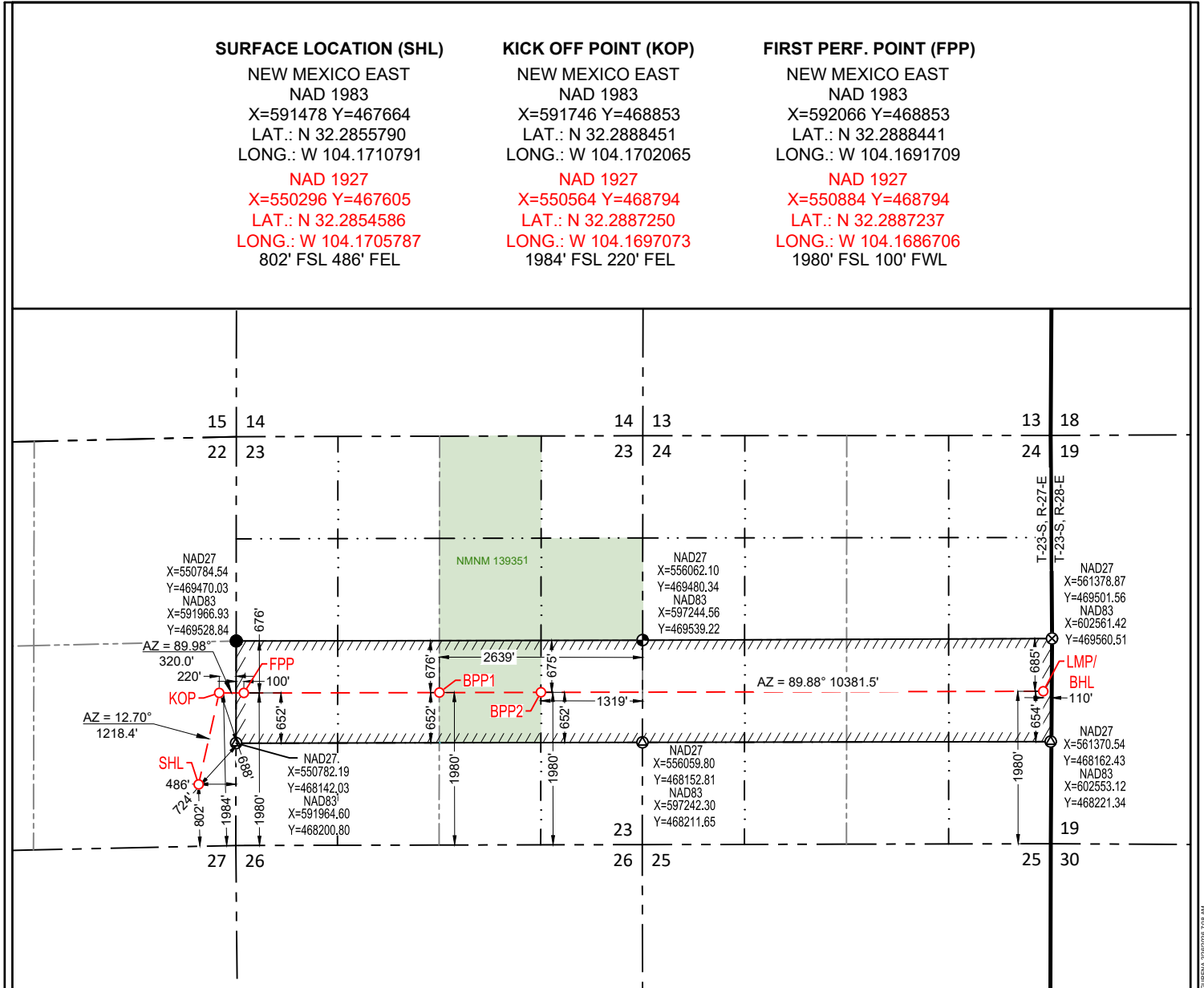
Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
I	24	23-S	27-E	-	1980' S	110' E	N 32.2888577	W 104.1355754	EDDY

Unitized Area or Area of Uniform Interest E/2 NE/4 of Sec. 22, 23S-27E, and S/2 N/2 of Sec. 23, 24 - 23S-27E and S/2 N/2 of 19, 23S - 28E	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3,177'
---	--	---

<p>OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p><i>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.</i></p> <p style="text-align: right;">  Signature Debbie Creed </p> <p style="text-align: right;"> Date 3/13/2026 </p> <p>Print Name debbie.creed@matadorresources.com</p> <p>E-mail Address</p>	<p>SURVEYORS CERTIFICATION</p> <p><i>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.</i></p> <div style="text-align: center;">  </div> <p>Signature and Seal of Professional Surveyor </p> <p>Date 06/06/2025</p> <p>Certificate Number</p> <p>Date of Survey 06/06/2025</p>
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<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> <p><input type="checkbox"/> Initial Submittal</p> <p><input type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p>
<p>Property Name and Well Number</p> <p>R WILSON FED COM 153H</p>		



<p>BLM PERF. POINT (BPP1)</p> <p>NEW MEXICO EAST NAD 1983 X=594605 Y=468859 LAT.: N 32.2888482 LONG.: W 104.1609547</p> <p>NAD 1927 X=553423 Y=468799 LAT.: N 32.2887277 LONG.: W 104.1604546 1980' FSL 2639' FEL</p>	<p>BLM PERF. POINT (BPP2)</p> <p>NEW MEXICO EAST NAD 1983 X=595924 Y=468861 LAT.: N 32.2888502 LONG.: W 104.1566850</p> <p>NAD 1927 X=554742 Y=468802 LAT.: N 32.2887296 LONG.: W 104.1561852 1980' FSL 1319' FEL</p>	<p>LAST PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL)</p> <p>NEW MEXICO EAST NAD 1983 X=602447 Y=468875 LAT.: N 32.2888577 LONG.: W 104.1355754</p> <p>NAD 1927 X=561265 Y=468816 LAT.: N 32.2887367 LONG.: W 104.1350764 1980' FSL 110' FEL</p>
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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.

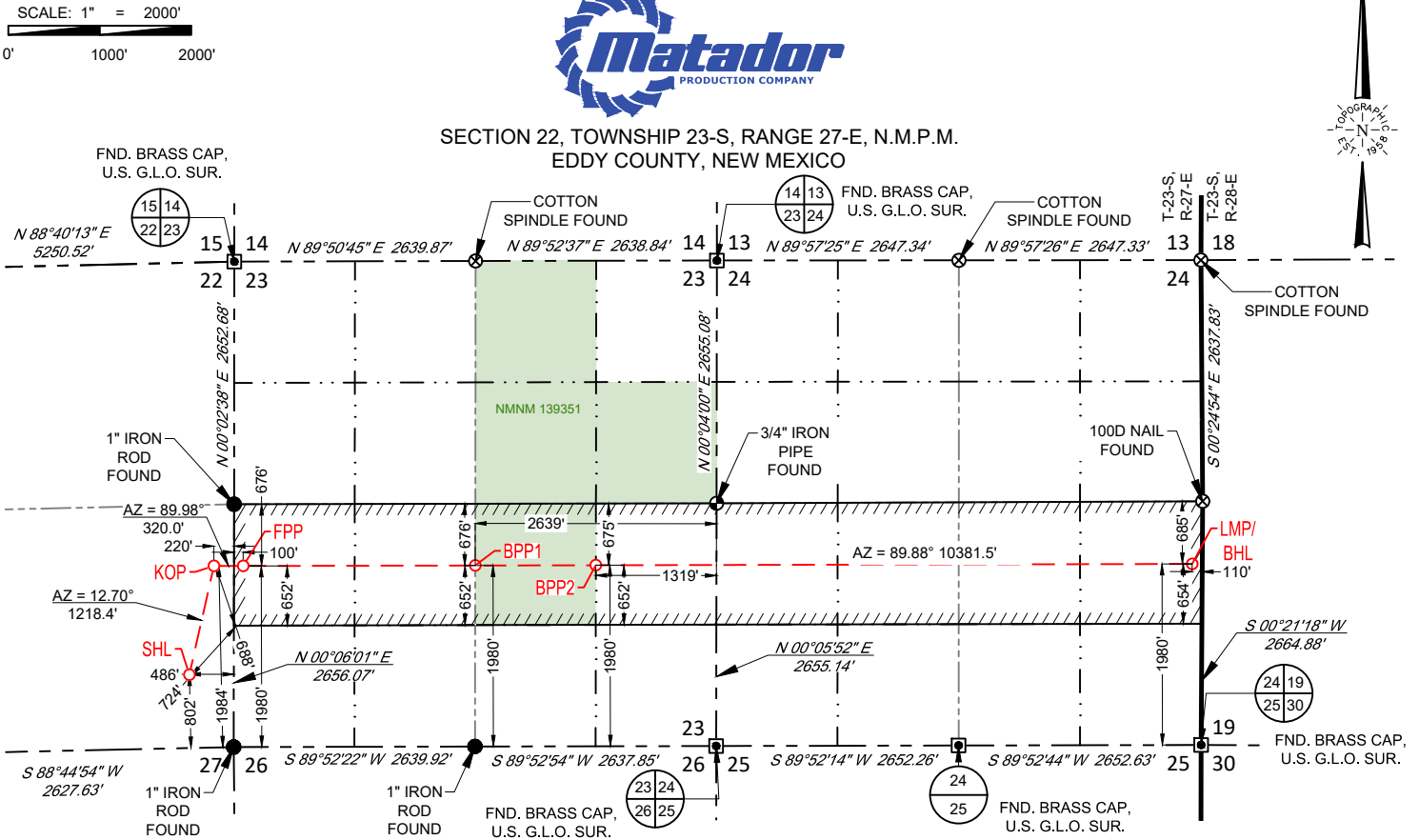
06/06/2025

Date of Survey

ANGEL M. BAEZA
NEW MEXICO
25116
2/26/26
PROFESSIONAL SURVEYOR



SECTION 22, TOWNSHIP 23-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SURFACE LOCATION (SHL)	KICK OFF POINT (KOP)	FIRST PERF. POINT (FPP)
NEW MEXICO EAST NAD 1983 X=591478 Y=467664 LAT.: N 32.285790 LONG.: W 104.1710791 802' FSL 486' FEL	NEW MEXICO EAST NAD 1983 X=591746 Y=468853 LAT.: N 32.2888451 LONG.: W 104.1702065 1984' FSL 220' FEL	NEW MEXICO EAST NAD 1983 X=592066 Y=468853 LAT.: N 32.2888441 LONG.: W 104.1691709 1980' FSL 100' FWL
BLM PERF. POINT (BPP1)	BLM PERF. POINT (BPP2)	LAST PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST NAD 1983 X=594605 Y=468859 LAT.: N 32.2888482 LONG.: W 104.1609547 1980' FSL 2639' FEL	NEW MEXICO EAST NAD 1983 X=595924 Y=468861 LAT.: N 32.2888502 LONG.: W 104.1566850 1980' FSL 1319' FEL	NEW MEXICO EAST NAD 1983 X=602447 Y=468875 LAT.: N 32.2888577 LONG.: W 104.1355754 1980' FSL 110' FEL

LEASE NAME & WELL NO.: R WILSON FED COM 153H

SECTION 22 TWP 23-S RGE 27-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 802' FSL & 486' FEL

DISTANCE & DIRECTION
FROM INT. OF US HWY 285 S. & US-62 W. GO SOUTH ON US HWY 285 S
±4.0 MILES. THENCE SOUTH (RIGHT) ON GRANDI RURAL RD ±4.0 MILES,
THENCE SOUTHWEST (RIGHT) ON A LEASE RD ±0.5 MILES, THENCE
EAST (LEFT) ON A PROPOSED RD. ±46 FEET TO A POINT ±626 FEET
NORTHWEST OF THE LOCATION.



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
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.



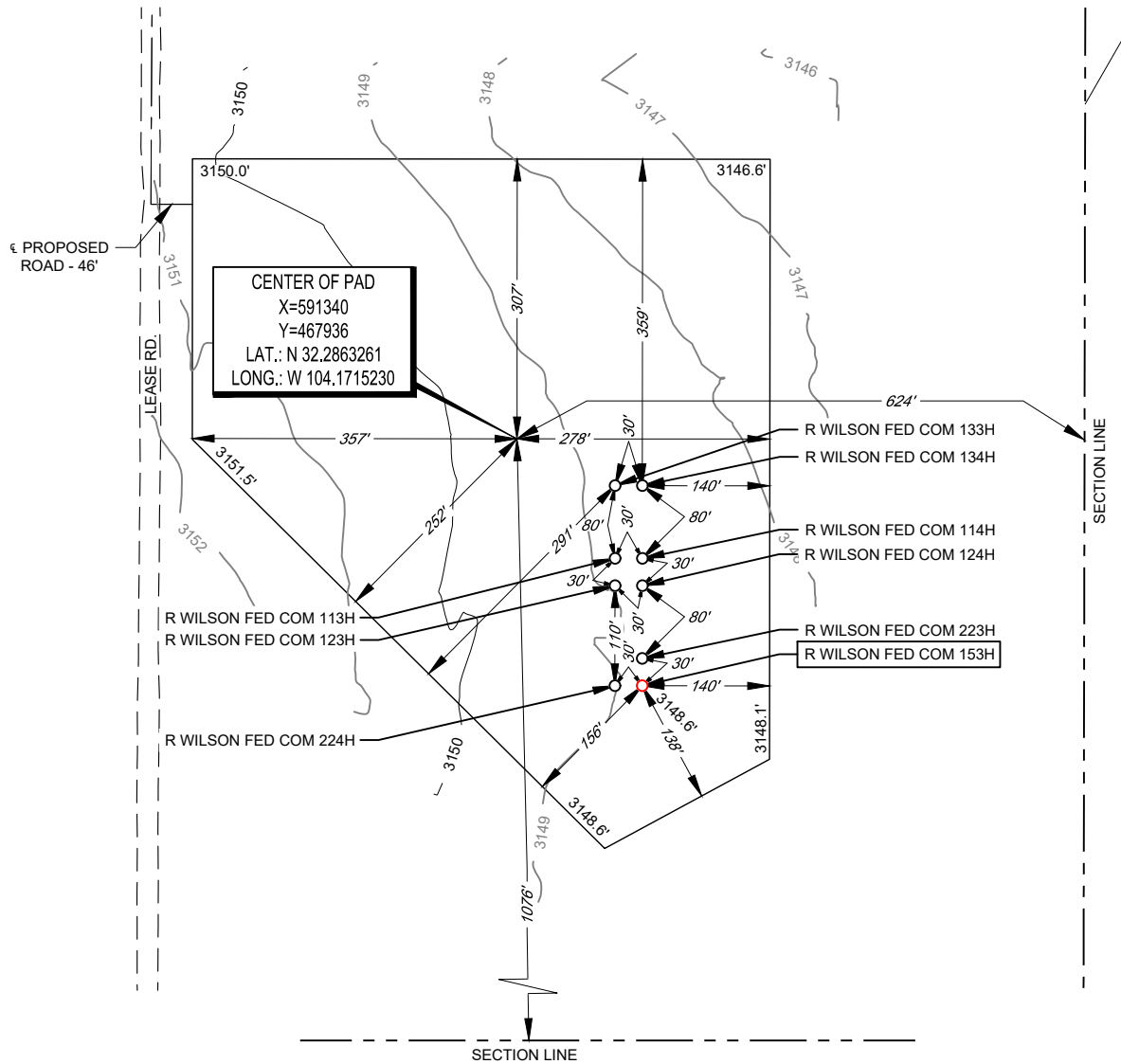
481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
808 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
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LEGEND

- SECTION LINE
- - - PROPOSED ROAD
- == == ROAD WAY

SECTION 22, TOWNSHIP 23-S, RANGE 27-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: R WILSON FED COM 153H
 153H LATITUDE N 32.2855790 153H LONGITUDE W 104.1710791

CENTER OF PAD IS 1076' FSL & 624' FEL

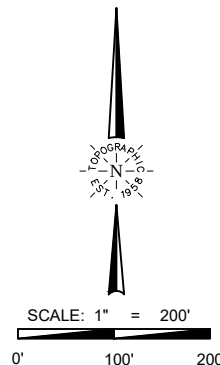


Angel M. Baeza, P.S. No. 25116

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"



481 WINSKOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
 TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554
 808 WEST INDIANA • MIDLAND, TEXAS 79701
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Casing Table Specification Sheet

R Wilson Fed Com 153H
SHL: 802' FSL & 486' FEL section 22
BHL: 1980' FSL & 110' FEL section 24
Township/Range: 23S 27E
Elevation Above Sea Level: 3149

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Surface	17.5	0 - 197	0 - 197	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 7952	0 - 7782	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 19085	0 - 8455	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Matador Production Company

Rustler Breaks

R Wilson/Colonel Howard

R Wilson Fed Com #153H

Wellbore #1

BLM Plan #1

Anticollision Summary Report

10 March, 2026

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #153H	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	3/10/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,084.9	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Site Name	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (usft)	Measured Depth (usft)	Between Centres (usft)	Between Ellipses (usft)		
Offsets Rustler Break Wells						
Dr K RB #203H - Wellbore #1 - Actual	13,633.1	8,444.4	335.0	171.6	2.051	CC, ES, SF
Dr K RB #204H - Wellbore #1 - Actual	13,561.0	8,421.6	1,510.5	1,349.0	9.353	CC
Dr K RB #204H - Wellbore #1 - Actual	13,600.0	8,421.0	1,511.0	1,348.9	9.321	ES
Dr K RB #204H - Wellbore #1 - Actual	19,000.0	14,465.0	1,855.0	1,508.6	5.355	SF
Dr K RB #206H - Wellbore #1 - Actual	13,634.1	8,585.0	1,294.8	1,130.9	7.901	CC
Dr K RB #206H - Wellbore #1 - Actual	13,700.0	8,584.5	1,296.5	1,130.6	7.816	ES
Dr K RB #206H - Wellbore #1 - Actual	19,000.0	14,350.0	1,683.5	1,357.4	5.162	SF
Forehand Ranch North State #2H - Wellbore #1 - Actual	7,945.0	7,796.3	1,020.4	963.0	17.770	CC
Forehand Ranch North State #2H - Wellbore #1 - Actual	8,550.0	8,324.6	1,024.2	962.9	16.715	ES
Forehand Ranch North State #2H - Wellbore #1 - Actual	8,850.0	8,492.7	1,056.6	991.5	16.225	SF
Jester 19 30 W2DE Federal Com #001H - Wellbore #1 -	9,316.0	12,288.2	955.2	915.8	24.253	CC, ES
Jester 19 30 W2DE Federal Com #001H - Wellbore #1 -	10,100.0	12,296.5	1,235.7	1,163.1	17.030	SF
Lost River Fee #1 - Wellbore #1 - Actual	12,868.4	8,421.0	893.4	748.4	6.162	CC, ES
Lost River Fee #1 - Wellbore #1 - Actual	12,900.0	8,420.5	894.0	748.7	6.153	SF
Norris Thornton Com #2 - Wellbore #1 - Actual	12,905.9	8,458.3	291.3	145.7	2.000	CC, ES, SF
Norris Thornton Com #204H - Wellbore #1 - Actual	14,205.9	8,494.5	1,720.0	1,540.4	9.577	CC, ES
Norris Thornton Com #204H - Wellbore #1 - Actual	14,400.0	8,493.1	1,730.9	1,548.8	9.504	SF
Rustler Breaks SWD #3 - Wellbore #1 - Actual	17,535.3	8,421.7	282.9	26.3	1.102	Level 2, 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 R Wilson Fed Com #153H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #153H	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

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
R Wilson/Colonel Howard						
Colonel R Howard Fed Com #200H - Wellbore #1 - BLM	13,115.1	15,836.0	1,539.2	1,305.9	6.597	CC
Colonel R Howard Fed Com #200H - Wellbore #1 - BLM	13,200.0	15,800.0	1,540.6	1,305.6	6.555	ES
Colonel R Howard Fed Com #200H - Wellbore #1 - BLM	13,300.0	15,771.6	1,546.2	1,309.4	6.530	SF
R Wilson Fed Com #113H - Wellbore #1 - BLM Plan #1	6,120.9	6,053.7	51.1	2.3	1.047	Level 2, CC
R Wilson Fed Com #113H - Wellbore #1 - BLM Plan #1	6,139.9	6,072.3	51.3	2.0	1.040	Level 2, ES, SF
R Wilson Fed Com #114H - Wellbore #1 - BLM Plan #1	2,882.0	2,908.3	93.7	73.7	4.679	CC, ES
R Wilson Fed Com #114H - Wellbore #1 - BLM Plan #1	2,900.0	2,909.1	93.8	73.7	4.664	SF
R Wilson Fed Com #123H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	113.8	103.5	11.058	CC, ES
R Wilson Fed Com #123H - Wellbore #1 - BLM Plan #1	19,085.2	18,113.8	1,154.1	923.1	4.995	SF
R Wilson Fed Com #124H - Wellbore #1 - BLM Plan #1	3,805.3	3,808.9	101.4	74.6	3.784	CC, ES
R Wilson Fed Com #124H - Wellbore #1 - BLM Plan #1	3,900.0	3,883.7	102.9	75.6	3.762	SF
R Wilson Fed Com #132H - Wellbore #1 - BLM Plan #1	17,327.9	16,988.7	993.5	555.3	2.267	CC
R Wilson Fed Com #132H - Wellbore #1 - BLM Plan #1	19,085.2	18,743.7	1,046.2	524.0	2.004	ES, SF
R Wilson Fed Com #133H - Wellbore #1 - BLM Plan #1	5,429.4	5,366.9	71.3	30.8	1.763	CC
R Wilson Fed Com #133H - Wellbore #1 - BLM Plan #1	19,085.2	18,719.1	385.3	1.8	1.005	Level 2, ES, SF
R Wilson Fed Com #134H - Wellbore #1 - BLM Plan #1	2,982.0	2,986.4	75.8	54.9	3.629	CC
R Wilson Fed Com #134H - Wellbore #1 - BLM Plan #1	3,000.0	3,004.1	75.8	54.8	3.607	ES
R Wilson Fed Com #134H - Wellbore #1 - BLM Plan #1	19,085.2	18,748.8	1,671.0	1,147.5	3.192	SF
R Wilson Fed Com #200H - Wellbore #1 - Prelim Design	13,829.0	8,460.2	1,351.0	1,180.9	7.943	CC
R Wilson Fed Com #200H - Wellbore #1 - Prelim Design	13,900.0	8,462.0	1,352.8	1,180.5	7.852	ES
R Wilson Fed Com #200H - Wellbore #1 - Prelim Design	14,000.0	8,464.4	1,361.7	1,186.9	7.790	SF
R Wilson Fed Com #220H - Wellbore #1 - Prelim Design	13,811.9	8,370.1	946.7	778.4	5.626	CC, ES
R Wilson Fed Com #220H - Wellbore #1 - Prelim Design	13,900.0	8,373.6	950.8	779.8	5.561	SF
R Wilson Fed Com #222H - Wellbore #1 - BLM Plan #1	8,443.2	8,469.8	1,353.5	1,291.4	21.795	CC
R Wilson Fed Com #222H - Wellbore #1 - BLM Plan #1	8,450.0	8,475.4	1,353.5	1,291.4	21.775	ES
R Wilson Fed Com #222H - Wellbore #1 - BLM Plan #1	18,900.0	20,282.4	1,812.1	1,486.6	5.568	SF
R Wilson Fed Com #223H - Wellbore #1 - BLM Plan #1	1,500.0	1,500.0	29.8	19.5	2.891	CC
R Wilson Fed Com #223H - Wellbore #1 - BLM Plan #1	1,700.0	1,700.0	30.0	18.3	2.562	ES
R Wilson Fed Com #223H - Wellbore #1 - BLM Plan #1	1,800.0	1,800.1	30.8	18.4	2.484	SF
R Wilson Fed Com #224H - Wellbore #1 - BLM Plan #1	1,761.7	1,763.3	22.1	10.1	1.834	CC, ES
R Wilson Fed Com #224H - Wellbore #1 - BLM Plan #1	1,800.0	1,801.6	22.5	10.1	1.821	SF
R Wilson Fed Com #229H - Wellbore #1 - Prelim Design	13,827.7	8,454.6	314.4	146.0	1.867	CC, ES, SF
R Wilson Fed Com #22XH - Wellbore #1 - Prelim Design	13,355.0	8,443.1	193.4	36.4	1.232	Level 2, CC, ES, SF

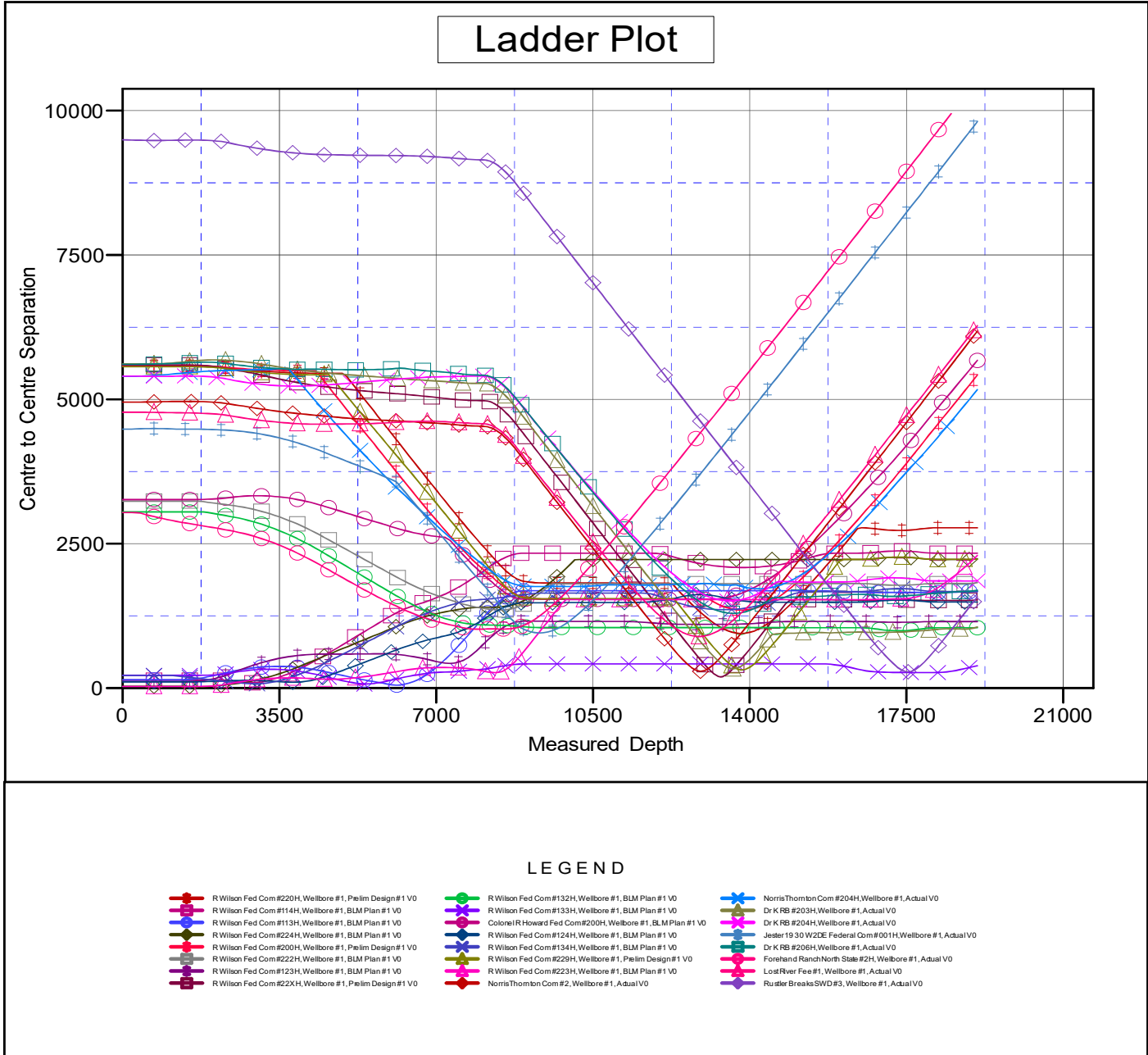
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #153H	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 @ 3177.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: R Wilson Fed Com #153H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.09°



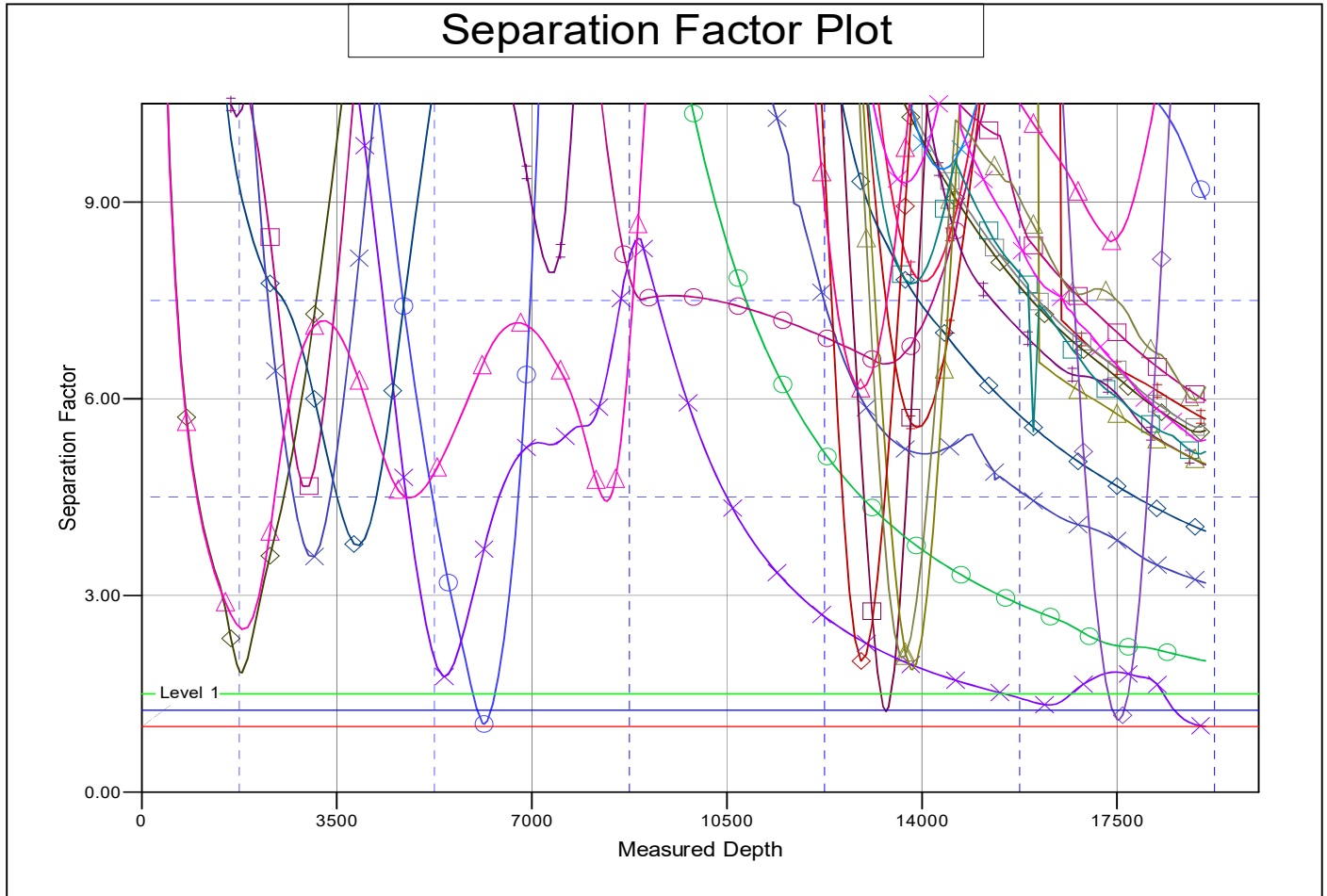
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Project:	Rustler Breaks	TVD Reference:	KB @ 3177.5usft
Reference Site:	R Wilson/Colonel Howard	MD Reference:	KB @ 3177.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	R Wilson Fed Com #153H	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 @ 3177.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: R Wilson Fed Com #153H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.09°



LEGEND

- | | | |
|---|---|---|
| R Wilson Fed Com #220H, Wellbore #1, Pelim Design #1 V0 | R Wilson Fed Com #132H, Wellbore #1, BLM Plan #1 V0 | NorrisThomton Com #204H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #114H, Wellbore #1, BLM Plan #1 V0 | R Wilson Fed Com #133H, Wellbore #1, BLM Plan #1 V0 | Dr K RB #203H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #113H, Wellbore #1, BLM Plan #1 V0 | Colonel Howard Fed Com #200H, Wellbore #1, BLM Plan #1 V0 | Dr K RB #204H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #224H, Wellbore #1, BLM Plan #1 V0 | R Wilson Fed Com #124H, Wellbore #1, BLM Plan #1 V0 | Jester 19-30 W2DE Federal Com #001H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #200H, Wellbore #1, Pelim Design #1 V0 | R Wilson Fed Com #134H, Wellbore #1, BLM Plan #1 V0 | Dr K RB #206H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #220H, Wellbore #1, BLM Plan #1 V0 | R Wilson Fed Com #229H, Wellbore #1, Pelim Design #1 V0 | Forehand Ranch North State #2H, Wellbore #1, Actual V0 |
| R Wilson Fed Com #123H, Wellbore #1, BLM Plan #1 V0 | R Wilson Fed Com #223H, Wellbore #1, BLM Plan #1 V0 | Lost River Fee #1, Wellbore #1, Actual V0 |
| R Wilson Fed Com #22XH, Wellbore #1, Pelim Design #1 V0 | NorrisThomton Com #2, Wellbore #1, Actual V0 | Rustler Breaks SWD #3, Wellbore #1, Actual V0 |

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

Matador Production Company

Rustler Breaks

R Wilson/Colonel Howard

R Wilson Fed Com #153H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

10 March, 2026

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Project	Rustler Breaks,		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	R Wilson/Colonel Howard				
Site Position:		Northing:	470,834.93 usft	Latitude:	32° 17' 39.620 N
From:	Lat/Long	Easting:	549,829.96 usft	Longitude:	104° 10' 19.458 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.09 °

Well	R Wilson Fed Com #153H					
Well Position	+N/-S	-3,229.7 usft	Northing:	467,605.24 usft	Latitude:	32° 17' 7.651 N
	+E/-W	466.2 usft	Easting:	550,296.17 usft	Longitude:	104° 10' 14.083 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,149.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2024	6.42	59.93	47,140.99841716

Design	BLM Plan #1				
Audit Notes:					
Version:	1	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	89.88	

Plan Survey Tool Program	Date	3/10/2026			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,084.9 BLM Plan #1 (Wellbore #1)	MWD OWSG MWD - Standard		

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.0	9.00	90.00	2,396.3	0.0	70.5	1.00	1.00	0.00	90.00	
4,470.0	18.50	358.59	4,422.2	331.9	226.0	1.00	0.46	-4.42	-116.20	
6,106.9	18.50	358.59	5,974.5	851.0	213.2	0.00	0.00	0.00	0.00	
6,139.9	18.28	0.00	6,005.9	861.4	213.1	1.50	-0.65	4.28	116.55	
7,309.4	8.33	20.90	7,143.1	1,124.8	243.4	0.93	-0.85	1.79	164.13	
7,510.3	8.33	20.90	7,341.8	1,152.0	253.8	0.00	0.00	0.00	0.00	
8,052.3	0.00	0.01	7,882.0	1,188.8	267.8	1.54	-1.54	0.00	180.00	KOP - R Wilson Fed C
8,952.3	90.00	89.88	8,455.0	1,190.0	840.8	10.00	10.00	0.00	89.88	
16,409.1	90.00	89.88	8,455.0	1,205.6	8,297.5	0.00	0.00	0.00	0.00	
16,867.7	90.00	83.00	8,455.0	1,234.0	8,755.0	1.50	0.00	-1.50	-90.00	
17,801.1	90.00	97.00	8,455.0	1,234.0	9,686.0	1.50	0.00	1.50	90.00	
18,220.7	90.00	89.87	8,455.0	1,208.9	10,104.6	1.70	0.00	-1.70	-90.02	
19,085.2	90.00	89.87	8,455.0	1,210.9	10,969.1	0.00	0.00	0.00	0.00	BHL - R Wilson Fed C

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
127.0	0.00	0.00	127.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Rustler										
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Salado										
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Start Build 1.00										
1,600.0	1.00	90.00	1,600.0	0.0	0.9	0.9	1.00	1.00	1.00	0.00
1,700.0	2.00	90.00	1,700.0	0.0	3.5	3.5	1.00	1.00	1.00	0.00
1,800.0	3.00	90.00	1,799.9	0.0	7.9	7.9	1.00	1.00	1.00	0.00
1,900.0	4.00	90.00	1,899.7	0.0	14.0	14.0	1.00	1.00	1.00	0.00
2,000.0	5.00	90.00	1,999.4	0.0	21.8	21.8	1.00	1.00	1.00	0.00
2,100.0	6.00	90.00	2,098.9	0.0	31.4	31.4	1.00	1.00	1.00	0.00
2,200.0	7.00	90.00	2,198.3	0.0	42.7	42.7	1.00	1.00	1.00	0.00
2,219.9	7.20	90.00	2,218.0	0.0	45.2	45.2	1.00	1.00	1.00	0.00
Lamar										
2,278.4	7.78	90.00	2,276.0	0.0	52.8	52.8	1.00	1.00	1.00	0.00
Bell Cyn										
2,300.0	8.00	90.00	2,297.4	0.0	55.8	55.8	1.00	1.00	1.00	0.00
2,400.0	9.00	90.00	2,396.3	0.0	70.5	70.5	1.00	1.00	1.00	0.00
Start DLS 1.00 TFO -116.20										
2,500.0	8.60	83.99	2,495.1	0.8	85.8	85.8	1.00	-0.40	-6.01	
2,600.0	8.31	77.49	2,594.0	3.1	100.3	100.3	1.00	-0.29	-6.50	
2,700.0	8.13	70.61	2,693.0	7.0	114.0	114.0	1.00	-0.18	-6.88	
2,800.0	8.07	63.52	2,792.0	12.5	127.0	127.0	1.00	-0.06	-7.09	
2,900.0	8.13	56.43	2,891.0	19.6	139.1	139.2	1.00	0.06	-7.09	
3,000.0	8.31	49.55	2,990.0	28.2	150.5	150.6	1.00	0.18	-6.88	
3,025.3	8.37	47.86	3,015.0	30.6	153.3	153.4	1.00	0.25	-6.67	
Cherry Cyn										
3,100.0	8.60	43.04	3,088.9	38.3	161.1	161.2	1.00	0.31	-6.45	
3,200.0	9.00	37.03	3,187.7	50.0	171.0	171.1	1.00	0.39	-6.01	
3,300.0	9.48	31.58	3,286.4	63.3	180.0	180.1	1.00	0.48	-5.45	
3,400.0	10.04	26.69	3,385.0	78.1	188.2	188.4	1.00	0.56	-4.89	
3,500.0	10.67	22.34	3,483.4	94.4	195.7	195.8	1.00	0.62	-4.35	
3,600.0	11.34	18.48	3,581.5	112.3	202.3	202.5	1.00	0.68	-3.86	
3,700.0	12.06	15.06	3,679.5	131.8	208.1	208.4	1.00	0.72	-3.42	
3,800.0	12.82	12.04	3,777.1	152.7	213.1	213.5	1.00	0.76	-3.03	
3,900.0	13.61	9.35	3,874.5	175.2	217.4	217.7	1.00	0.79	-2.69	
4,000.0	14.43	6.95	3,971.5	199.1	220.8	221.2	1.00	0.81	-2.39	
4,100.0	15.26	4.81	4,068.1	224.6	223.4	223.9	1.00	0.84	-2.14	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	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)
4,143.4	15.63	3.95	4,110.0	236.2	224.3	224.8	1.00	0.85	-1.98
Brushy Cyn									
4,200.0	16.12	2.89	4,164.4	251.6	225.2	225.7	1.00	0.86	-1.88
4,300.0	16.99	1.16	4,260.3	280.1	226.2	226.8	1.00	0.87	-1.73
4,400.0	17.87	359.60	4,355.7	310.0	226.4	227.0	1.00	0.88	-1.57
4,470.0	18.50	358.59	4,422.2	331.9	226.0	226.7	1.00	0.89	-1.44
Start 1636.9 hold at 4470.0 MD									
4,500.0	18.50	358.59	4,450.6	341.4	225.8	226.5	0.00	0.00	0.00
4,600.0	18.50	358.59	4,545.5	373.1	225.0	225.8	0.00	0.00	0.00
4,700.0	18.50	358.59	4,640.3	404.8	224.2	225.1	0.00	0.00	0.00
4,800.0	18.50	358.59	4,735.1	436.5	223.5	224.4	0.00	0.00	0.00
4,900.0	18.50	358.59	4,830.0	468.2	222.7	223.7	0.00	0.00	0.00
5,000.0	18.50	358.59	4,924.8	500.0	221.9	222.9	0.00	0.00	0.00
5,100.0	18.50	358.59	5,019.6	531.7	221.1	222.2	0.00	0.00	0.00
5,200.0	18.50	358.59	5,114.5	563.4	220.3	221.5	0.00	0.00	0.00
5,300.0	18.50	358.59	5,209.3	595.1	219.5	220.8	0.00	0.00	0.00
5,400.0	18.50	358.59	5,304.1	626.8	218.8	220.1	0.00	0.00	0.00
5,404.1	18.50	358.59	5,308.0	628.1	218.7	220.0	0.00	0.00	0.00
Lower Brushy Cyn									
5,500.0	18.50	358.59	5,399.0	658.5	218.0	219.4	0.00	0.00	0.00
5,600.0	18.50	358.59	5,493.8	690.2	217.2	218.6	0.00	0.00	0.00
5,700.0	18.50	358.59	5,588.6	722.0	216.4	217.9	0.00	0.00	0.00
5,743.6	18.50	358.59	5,630.0	735.8	216.1	217.6	0.00	0.00	0.00
BSSL									
5,800.0	18.50	358.59	5,683.5	753.7	215.6	217.2	0.00	0.00	0.00
5,900.0	18.50	358.59	5,778.3	785.4	214.8	216.5	0.00	0.00	0.00
6,000.0	18.50	358.59	5,873.1	817.1	214.1	215.8	0.00	0.00	0.00
6,094.7	18.50	358.59	5,963.0	847.2	213.3	215.1	0.00	0.00	0.00
Avalon Shale									
6,100.0	18.50	358.59	5,968.0	848.8	213.3	215.1	0.00	0.00	0.00
6,106.9	18.50	358.59	5,974.5	851.0	213.2	215.0	0.00	0.00	0.00
Start DLS 1.50 TFO 116.55									
6,139.9	18.28	0.00	6,005.9	861.4	213.1	214.9	1.50	-0.65	4.28
Start DLS 0.93 TFO 164.13									
6,181.1	17.91	0.34	6,045.0	874.2	213.1	215.0	0.93	-0.90	0.83
Avalon Carb									
6,200.0	17.74	0.50	6,063.0	880.0	213.2	215.0	0.93	-0.89	0.85
6,300.0	16.85	1.41	6,158.5	909.7	213.7	215.6	0.93	-0.89	0.90
6,400.0	15.96	2.41	6,254.4	938.0	214.6	216.6	0.93	-0.89	1.00
6,500.0	15.08	3.53	6,350.8	964.7	216.0	218.0	0.93	-0.88	1.12
6,558.2	14.57	4.24	6,407.0	979.5	217.0	219.0	0.93	-0.88	1.22
FBSC									
6,600.0	14.20	4.78	6,447.5	989.9	217.8	219.9	0.93	-0.87	1.29
6,700.0	13.34	6.19	6,544.6	1,013.6	220.1	222.2	0.93	-0.87	1.41
6,800.0	12.48	7.79	6,642.1	1,035.7	222.8	224.9	0.93	-0.86	1.60
6,851.1	12.04	8.70	6,692.0	1,046.5	224.3	226.5	0.93	-0.85	1.77
FBSG									
6,900.0	11.63	9.63	6,739.9	1,056.4	225.9	228.1	0.93	-0.85	1.90
7,000.0	10.79	11.75	6,838.0	1,075.5	229.5	231.8	0.93	-0.84	2.12
7,100.0	9.97	14.21	6,936.4	1,093.0	233.6	235.8	0.93	-0.82	2.47
7,139.2	9.66	15.29	6,975.0	1,099.5	235.3	237.6	0.93	-0.80	2.75
SBSC									
7,200.0	9.17	17.11	7,035.0	1,109.1	238.0	240.3	0.93	-0.79	2.99

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	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)	
7,300.0	8.40	20.54	7,133.8	1,123.5	242.9	245.3	0.93	-0.77	3.43	
7,309.4	8.33	20.90	7,143.1	1,124.8	243.4	245.8	0.93	-0.75	3.77	
Start 200.8 hold at 7309.4 MD										
7,400.0	8.33	20.90	7,232.7	1,137.1	248.1	250.5	0.00	0.00	0.00	
7,429.6	8.33	20.90	7,262.0	1,141.1	249.6	252.0	0.00	0.00	0.00	
SBSC										
7,500.0	8.33	20.90	7,331.7	1,150.6	253.3	255.7	0.00	0.00	0.00	
7,510.3	8.33	20.90	7,341.8	1,152.0	253.8	256.2	0.00	0.00	0.00	
Start Drop -1.54										
7,591.2	7.09	20.90	7,422.0	1,162.1	257.7	260.1	1.54	-1.54	0.00	
TBSC										
7,600.0	6.95	20.90	7,430.8	1,163.1	258.1	260.5	1.54	-1.54	0.00	
7,700.0	5.42	20.90	7,530.2	1,173.2	261.9	264.4	1.54	-1.54	0.00	
7,800.0	3.88	20.90	7,629.8	1,180.8	264.8	267.3	1.54	-1.54	0.00	
7,900.0	2.34	20.90	7,729.7	1,185.8	266.7	269.2	1.54	-1.54	0.00	
8,000.0	0.80	20.90	7,829.7	1,188.4	267.7	270.2	1.54	-1.54	0.00	
8,052.3	0.00	0.01	7,882.0	1,188.8	267.8	270.3	1.54	-1.54	0.00	
Start Build 10.00 - KOP - R Wilson Fed Com #153H										
8,100.0	4.77	89.88	7,929.6	1,188.8	269.8	272.3	10.00	10.00	0.00	
8,200.0	14.77	89.88	8,028.0	1,188.8	286.8	289.2	10.00	10.00	0.00	
8,300.0	24.77	89.88	8,122.0	1,188.9	320.5	323.0	10.00	10.00	0.00	
8,400.0	34.77	89.88	8,208.7	1,189.0	370.1	372.6	10.00	10.00	0.00	
8,500.0	44.77	89.88	8,285.5	1,189.1	434.0	436.5	10.00	10.00	0.00	
8,600.0	54.77	89.88	8,350.0	1,189.3	510.2	512.7	10.00	10.00	0.00	
8,690.6	63.82	89.88	8,396.2	1,189.4	588.0	590.5	10.00	10.00	0.00	
FPP - R Wilson Fed Com #153H										
8,700.0	64.77	89.88	8,400.3	1,189.4	596.5	599.0	10.00	10.00	0.00	
8,800.0	74.77	89.88	8,434.8	1,189.6	690.2	692.7	10.00	10.00	0.00	
8,900.0	84.77	89.88	8,452.6	1,189.8	788.5	791.0	10.00	10.00	0.00	
8,952.3	90.00	89.88	8,455.0	1,190.0	840.8	843.3	10.00	10.00	0.00	
Start 7456.7 hold at 8952.3 MD										
9,000.0	90.00	89.88	8,455.0	1,190.1	888.4	890.9	0.00	0.00	0.00	
9,100.0	90.00	89.88	8,455.0	1,190.3	988.4	990.9	0.00	0.00	0.00	
9,200.0	90.00	89.88	8,455.0	1,190.5	1,088.4	1,090.9	0.00	0.00	0.00	
9,300.0	90.00	89.88	8,455.0	1,190.7	1,188.4	1,190.9	0.00	0.00	0.00	
9,400.0	90.00	89.88	8,455.0	1,190.9	1,288.4	1,290.9	0.00	0.00	0.00	
9,500.0	90.00	89.88	8,455.0	1,191.1	1,388.4	1,390.9	0.00	0.00	0.00	
9,600.0	90.00	89.88	8,455.0	1,191.3	1,488.4	1,490.9	0.00	0.00	0.00	
9,700.0	90.00	89.88	8,455.0	1,191.5	1,588.4	1,590.9	0.00	0.00	0.00	
9,800.0	90.00	89.88	8,455.0	1,191.7	1,688.4	1,690.9	0.00	0.00	0.00	
9,900.0	90.00	89.88	8,455.0	1,191.9	1,788.4	1,790.9	0.00	0.00	0.00	
10,000.0	90.00	89.88	8,455.0	1,192.2	1,888.4	1,890.9	0.00	0.00	0.00	
10,100.0	90.00	89.88	8,455.0	1,192.4	1,988.4	1,990.9	0.00	0.00	0.00	
10,200.0	90.00	89.88	8,455.0	1,192.6	2,088.4	2,090.9	0.00	0.00	0.00	
10,300.0	90.00	89.88	8,455.0	1,192.8	2,188.4	2,190.9	0.00	0.00	0.00	
10,400.0	90.00	89.88	8,455.0	1,193.0	2,288.4	2,290.9	0.00	0.00	0.00	
10,500.0	90.00	89.88	8,455.0	1,193.2	2,388.4	2,390.9	0.00	0.00	0.00	
10,600.0	90.00	89.88	8,455.0	1,193.4	2,488.4	2,490.9	0.00	0.00	0.00	
10,700.0	90.00	89.88	8,455.0	1,193.6	2,588.4	2,590.9	0.00	0.00	0.00	
10,800.0	90.00	89.88	8,455.0	1,193.8	2,688.4	2,690.9	0.00	0.00	0.00	
10,900.0	90.00	89.88	8,455.0	1,194.0	2,788.4	2,790.9	0.00	0.00	0.00	
11,000.0	90.00	89.88	8,455.0	1,194.2	2,888.4	2,890.9	0.00	0.00	0.00	
11,100.0	90.00	89.88	8,455.0	1,194.5	2,988.4	2,990.9	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	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)
11,200.0	90.00	89.88	8,455.0	1,194.7	3,088.4	3,090.9	0.00	0.00	0.00
11,238.6	90.00	89.88	8,455.0	1,194.7	3,127.0	3,129.5	0.00	0.00	0.00
BPP1 - R Wilson Fed Com #153H									
11,300.0	90.00	89.88	8,455.0	1,194.9	3,188.4	3,190.9	0.00	0.00	0.00
11,400.0	90.00	89.88	8,455.0	1,195.1	3,288.4	3,290.9	0.00	0.00	0.00
11,500.0	90.00	89.88	8,455.0	1,195.3	3,388.4	3,390.9	0.00	0.00	0.00
11,600.0	90.00	89.88	8,455.0	1,195.5	3,488.4	3,490.9	0.00	0.00	0.00
11,700.0	90.00	89.88	8,455.0	1,195.7	3,588.4	3,590.9	0.00	0.00	0.00
11,800.0	90.00	89.88	8,455.0	1,195.9	3,688.4	3,690.9	0.00	0.00	0.00
11,900.0	90.00	89.88	8,455.0	1,196.1	3,788.4	3,790.9	0.00	0.00	0.00
12,000.0	90.00	89.88	8,455.0	1,196.3	3,888.4	3,890.9	0.00	0.00	0.00
12,100.0	90.00	89.88	8,455.0	1,196.6	3,988.4	3,990.9	0.00	0.00	0.00
12,200.0	90.00	89.88	8,455.0	1,196.8	4,088.4	4,090.9	0.00	0.00	0.00
12,300.0	90.00	89.88	8,455.0	1,197.0	4,188.4	4,190.9	0.00	0.00	0.00
12,400.0	90.00	89.88	8,455.0	1,197.2	4,288.4	4,290.9	0.00	0.00	0.00
12,500.0	90.00	89.88	8,455.0	1,197.4	4,388.4	4,390.9	0.00	0.00	0.00
12,557.6	90.00	89.88	8,455.0	1,197.5	4,446.0	4,448.5	0.00	0.00	0.00
BPP2 - R Wilson Fed Com #153H									
12,600.0	90.00	89.88	8,455.0	1,197.6	4,488.4	4,490.9	0.00	0.00	0.00
12,700.0	90.00	89.88	8,455.0	1,197.8	4,588.4	4,590.9	0.00	0.00	0.00
12,800.0	90.00	89.88	8,455.0	1,198.0	4,688.4	4,690.9	0.00	0.00	0.00
12,900.0	90.00	89.88	8,455.0	1,198.2	4,788.4	4,790.9	0.00	0.00	0.00
13,000.0	90.00	89.88	8,455.0	1,198.4	4,888.4	4,890.9	0.00	0.00	0.00
13,100.0	90.00	89.88	8,455.0	1,198.6	4,988.4	4,990.9	0.00	0.00	0.00
13,200.0	90.00	89.88	8,455.0	1,198.9	5,088.4	5,090.9	0.00	0.00	0.00
13,300.0	90.00	89.88	8,455.0	1,199.1	5,188.4	5,190.9	0.00	0.00	0.00
13,400.0	90.00	89.88	8,455.0	1,199.3	5,288.4	5,290.9	0.00	0.00	0.00
13,500.0	90.00	89.88	8,455.0	1,199.5	5,388.4	5,390.9	0.00	0.00	0.00
13,600.0	90.00	89.88	8,455.0	1,199.7	5,488.4	5,490.9	0.00	0.00	0.00
13,700.0	90.00	89.88	8,455.0	1,199.9	5,588.4	5,590.9	0.00	0.00	0.00
13,800.0	90.00	89.88	8,455.0	1,200.1	5,688.4	5,690.9	0.00	0.00	0.00
13,900.0	90.00	89.88	8,455.0	1,200.3	5,788.4	5,790.9	0.00	0.00	0.00
14,000.0	90.00	89.88	8,455.0	1,200.5	5,888.4	5,890.9	0.00	0.00	0.00
14,100.0	90.00	89.88	8,455.0	1,200.7	5,988.4	5,990.9	0.00	0.00	0.00
14,200.0	90.00	89.88	8,455.0	1,200.9	6,088.4	6,090.9	0.00	0.00	0.00
14,300.0	90.00	89.88	8,455.0	1,201.2	6,188.4	6,190.9	0.00	0.00	0.00
14,400.0	90.00	89.88	8,455.0	1,201.4	6,288.4	6,290.9	0.00	0.00	0.00
14,500.0	90.00	89.88	8,455.0	1,201.6	6,388.4	6,390.9	0.00	0.00	0.00
14,600.0	90.00	89.88	8,455.0	1,201.8	6,488.4	6,490.9	0.00	0.00	0.00
14,700.0	90.00	89.88	8,455.0	1,202.0	6,588.4	6,590.9	0.00	0.00	0.00
14,800.0	90.00	89.88	8,455.0	1,202.2	6,688.4	6,690.9	0.00	0.00	0.00
14,900.0	90.00	89.88	8,455.0	1,202.4	6,788.4	6,790.9	0.00	0.00	0.00
15,000.0	90.00	89.88	8,455.0	1,202.6	6,888.4	6,890.9	0.00	0.00	0.00
15,100.0	90.00	89.88	8,455.0	1,202.8	6,988.4	6,990.9	0.00	0.00	0.00
15,200.0	90.00	89.88	8,455.0	1,203.0	7,088.4	7,090.9	0.00	0.00	0.00
15,300.0	90.00	89.88	8,455.0	1,203.3	7,188.4	7,190.9	0.00	0.00	0.00
15,400.0	90.00	89.88	8,455.0	1,203.5	7,288.4	7,290.9	0.00	0.00	0.00
15,500.0	90.00	89.88	8,455.0	1,203.7	7,388.4	7,390.9	0.00	0.00	0.00
15,600.0	90.00	89.88	8,455.0	1,203.9	7,488.4	7,490.9	0.00	0.00	0.00
15,700.0	90.00	89.88	8,455.0	1,204.1	7,588.4	7,590.9	0.00	0.00	0.00
15,800.0	90.00	89.88	8,455.0	1,204.3	7,688.4	7,690.9	0.00	0.00	0.00
15,900.0	90.00	89.88	8,455.0	1,204.5	7,788.4	7,790.9	0.00	0.00	0.00
16,000.0	90.00	89.88	8,455.0	1,204.7	7,888.4	7,890.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	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)	
16,100.0	90.00	89.88	8,455.0	1,204.9	7,988.4	7,990.9	0.00	0.00	0.00	
16,200.0	90.00	89.88	8,455.0	1,205.1	8,088.4	8,090.9	0.00	0.00	0.00	
16,300.0	90.00	89.88	8,455.0	1,205.3	8,188.4	8,190.9	0.00	0.00	0.00	
16,400.0	90.00	89.88	8,455.0	1,205.6	8,288.4	8,290.9	0.00	0.00	0.00	
16,409.1	90.00	89.88	8,455.0	1,205.6	8,297.5	8,300.0	0.00	0.00	0.00	
Start DLS 1.50 TFO -90.00										
16,500.0	90.00	88.52	8,455.0	1,206.8	8,388.4	8,390.9	1.50	0.00	-1.50	
16,600.0	90.00	87.02	8,455.0	1,210.7	8,488.3	8,490.9	1.50	0.00	-1.50	
16,700.0	90.00	85.52	8,455.0	1,217.3	8,588.1	8,590.7	1.50	0.00	-1.50	
16,800.0	90.00	84.02	8,455.0	1,226.4	8,687.7	8,690.3	1.50	0.00	-1.50	
16,867.7	90.00	83.00	8,455.0	1,234.0	8,755.0	8,757.6	1.50	0.00	-1.50	
Start Turn 1.50										
16,900.0	90.00	83.48	8,455.0	1,237.8	8,787.0	8,789.6	1.50	0.00	1.50	
17,000.0	90.00	84.98	8,455.0	1,247.9	8,886.5	8,889.1	1.50	0.00	1.50	
17,100.0	90.00	86.48	8,455.0	1,255.3	8,986.3	8,988.9	1.50	0.00	1.50	
17,200.0	90.00	87.98	8,455.0	1,260.1	9,086.1	9,088.8	1.50	0.00	1.50	
17,300.0	90.00	89.48	8,455.0	1,262.4	9,186.1	9,188.7	1.50	0.00	1.50	
17,400.0	90.00	90.98	8,455.0	1,261.9	9,286.1	9,288.7	1.50	0.00	1.50	
17,500.0	90.00	92.48	8,455.0	1,258.9	9,386.1	9,388.7	1.50	0.00	1.50	
17,600.0	90.00	93.98	8,455.0	1,253.3	9,485.9	9,488.5	1.50	0.00	1.50	
17,700.0	90.00	95.48	8,455.0	1,245.0	9,585.5	9,588.1	1.50	0.00	1.50	
17,800.0	90.00	96.98	8,455.0	1,234.2	9,685.0	9,687.5	1.50	0.00	1.50	
17,801.1	90.00	97.00	8,455.0	1,234.0	9,686.0	9,688.6	1.50	0.00	1.50	
Start DLS 1.70 TFO -90.02										
17,900.0	90.00	95.32	8,455.0	1,223.4	9,784.4	9,786.9	1.70	0.00	-1.70	
18,000.0	90.00	93.62	8,455.0	1,215.6	9,884.1	9,886.6	1.70	0.00	-1.70	
18,100.0	90.00	91.92	8,455.0	1,210.8	9,983.9	9,986.5	1.70	0.00	-1.70	
18,200.0	90.00	90.22	8,455.0	1,208.9	10,083.9	10,086.4	1.70	0.00	-1.70	
18,220.7	90.00	89.87	8,455.0	1,208.9	10,104.6	10,107.2	1.70	0.00	-1.70	
Start 864.5 hold at 18220.7 MD										
18,300.0	90.00	89.87	8,455.0	1,209.1	10,183.9	10,186.4	0.00	0.00	0.00	
18,400.0	90.00	89.87	8,455.0	1,209.3	10,283.9	10,286.4	0.00	0.00	0.00	
18,500.0	90.00	89.87	8,455.0	1,209.6	10,383.9	10,386.4	0.00	0.00	0.00	
18,600.0	90.00	89.87	8,455.0	1,209.8	10,483.9	10,486.4	0.00	0.00	0.00	
18,700.0	90.00	89.87	8,455.0	1,210.0	10,583.9	10,586.4	0.00	0.00	0.00	
18,800.0	90.00	89.87	8,455.0	1,210.3	10,683.9	10,686.4	0.00	0.00	0.00	
18,900.0	90.00	89.87	8,455.0	1,210.5	10,783.9	10,786.4	0.00	0.00	0.00	
19,000.0	90.00	89.87	8,455.0	1,210.7	10,883.9	10,886.4	0.00	0.00	0.00	
19,085.2	90.00	89.87	8,455.0	1,210.9	10,969.1	10,971.6	0.00	0.00	0.00	
TD at 19085.2 - BHL - R Wilson Fed Com #153H										

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP - R Wilson Fed Cor - plan hits target center - Point	0.00	0.01	7,882.0	1,188.8	267.8	468,794.00	550,564.00	32° 17' 19.411 N	104° 10' 10.942 W
FPP - R Wilson Fed Con - plan hits target center - Point	0.00	0.00	8,396.2	1,189.4	588.0	468,794.67	550,884.17	32° 17' 19.413 N	104° 10' 7.212 W
BPP2 - R Wilson Fed Cc - plan hits target center - Point	0.00	0.00	8,455.0	1,197.5	4,446.0	468,802.75	554,742.17	32° 17' 19.432 N	104° 9' 22.268 W
BPP1 - R Wilson Fed Cc - plan hits target center - Point	0.00	0.00	8,455.0	1,194.7	3,127.0	468,799.99	553,423.17	32° 17' 19.426 N	104° 9' 37.634 W
BHL - R Wilson Fed Con - plan hits target center - Point	0.00	0.00	8,455.0	1,210.9	10,969.1	468,816.19	561,265.28	32° 17' 19.452 N	104° 8' 6.275 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
127.0	127.0	Rustler				
300.0	300.0	Salado				
2,219.9	2,218.0	Lamar				
2,278.4	2,276.0	Bell Cyn				
3,025.3	3,015.0	Cherry Cyn				
4,143.4	4,110.0	Brushy Cyn				
5,404.1	5,308.0	Lower Brushy Cyn				
5,743.6	5,630.0	BSGL				
6,094.7	5,963.0	Avalon Shale				
6,181.1	6,045.0	Avalon Carb				
6,558.2	6,407.0	FBSC				
6,851.1	6,692.0	FBSG				
7,139.2	6,975.0	SBSC				
7,429.6	7,262.0	SBSC				
7,591.2	7,422.0	TBSC				

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well R Wilson Fed Com #153H
Company:	Matador Production Company	TVD Reference:	KB @ 3177.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3177.5usft
Site:	R Wilson/Colonel Howard	North Reference:	Grid
Well:	R Wilson Fed Com #153H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.0	1,500.0	0.0	0.0	Start Build 1.00	
2,400.0	2,396.3	0.0	70.5	Start DLS 1.00 TFO -116.20	
4,470.0	4,422.2	331.9	226.0	Start 1636.9 hold at 4470.0 MD	
6,106.9	5,974.5	851.0	213.2	Start DLS 1.50 TFO 116.55	
6,139.9	6,005.9	861.4	213.1	Start DLS 0.93 TFO 164.13	
7,309.4	7,143.1	1,124.8	243.4	Start 200.8 hold at 7309.4 MD	
7,510.3	7,341.8	1,152.0	253.8	Start Drop -1.54	
8,052.3	7,882.0	1,188.8	267.8	Start Build 10.00	
8,952.3	8,455.0	1,190.0	840.8	Start 7456.7 hold at 8952.3 MD	
16,409.1	8,455.0	1,205.6	8,297.5	Start DLS 1.50 TFO -90.00	
16,867.7	8,455.0	1,234.0	8,755.0	Start Turn 1.50	
17,801.1	8,455.0	1,234.0	9,686.0	Start DLS 1.70 TFO -90.02	
18,220.7	8,455.0	1,208.9	10,104.6	Start 864.5 hold at 18220.7 MD	
19,085.2	8,455.0	1,210.9	10,969.1	TD at 19085.2	

R Wilson Fed Com 153H
SHL: 802' FSL & 486' FEL section 22
BHL: 1980' FSL & 110' FEL section 24
Township/Range: 23S 27E
Elevation Above Sea Level: 3149

Sundry Request

Matador request the option to amend the well design of the R Wilson Fed Com 137H and make the following changes to the current APD:

- Change well name from R Wilson Fed Com 137H to R Wilson Fed Com 153H
- Change well SHL from 1265' FNL & 951' FEL section 22 to 802' FSL & 486' FEL section 22
- TVD change to 8,455'
- Option to drill intermediate hole size of 8-3/4" OH
- Option to run intermediate casing type of 7-5/8" MO-FXL
- Option to perform a bradenhead squeeze on the intermediate string. The top of the primary tail slurry will be pumped to the top of the **Brushy Canyon**, bradenhead squeeze will be performed offline to fill the annulus to surface.

Drilling Operation Plan

Proposed Drilling Depth: 19085' MD / 8455' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.2888451 N / -104.1702065 W

TD Lat/Long (NAD83): 32.2888577 N / -104.1355754 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	127	127	173	Anhydrite	Barren
Salado (Top of Salt)	300	300	1,918	Salt	Barren
Lamar (Base of Salt)	2,219	2,218	58	Salt	Barren
Bell Canyon	2,278	2,276	739	Sandstone	Oil/Natural Gas
Cherry Canyon	3,025	3,015	1,095	Sandstone	Oil/Natural Gas
Brushy Canyon	4,143	4,110	1,520	Sandstone	Oil/Natural Gas
Bone Spring Lime	5,743	5,630	1,062	Limestone	Oil/Natural Gas
1st Bone Spring Sand	6,851	6,692	283	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	7,139	6,975	287	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	7,429	7,262	160	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	7,591	7,422	1,268	Carbonate	Oil/Natural Gas
KOP	8,052	7,882	-	Carbonate	Oil/Natural Gas
TD	19,085	8,455		Carbonate	Oil/Natural Gas
3rd Bone Spring Sand	-	8,690		Sandstone	Oil/Natural Gas

2. Notable Zones

Third Bone Spring is the goal. 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 98'.

3. Pressure Control

Equipment

A 12,000' 5000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface 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 5M BOPE system will be installed. Test pressures will be 250 psi low and 5000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. 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 5M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting all Intermediate 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 request the option to offline cement surface casing. The "Offline Cementing - Surface Procedure" 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.

Matador request the option to utilize a spudder rig for setting surface and intermediate strings.

4. Casing & Cement

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

Design A - Casing Table

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 197	0 - 197	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 7952	0 - 7782	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 19085	0 - 8455	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

Design B - Casing Table

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 197	0 - 197	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	8.75	0 - 7952	0 - 7782	7.625	29.7	P-110	MO-FXL	1.125	1.125	1.8
Production	6.75	0 - 19085	0 - 8455	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

Variance Request

Matador request a variance to wave 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.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole, cement volumes will be adjusted accordingly.

Design A Primary Cement Design - DV/Packer 2-Stage Cement

Drill Plan

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	0	1.72	0	13.5	0%	0	C	5% NaCl + LCM
	Tail	170	1.38	240	14.8	50%	0	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 2328'	Stg 2 Tail	340	1.78	612	13.5	10%	0	A/C	5% NaCl + LCM
	Stg 1	1250	1.84	2295	12.5	50%	0	A/C	Bentonite + 1% CaCl ₂ + 8%
	Stg 1 Tail	260	1.33	343	14.8	50%	6952	A/C	5% NaCl + LCM
Production	Lead	10	3.66	19	12.5	25%	7552	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	870	1.35	1181	13.2	25%	7752	A/C	Fluid Loss + Dispersant + Retarder + LCM

Design A Optional Contingency Cement Design - Bradenhead Squeeze

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	0	1.72	0	13.5	50%	0	C	5% NaCl + LCM
	Tail	170	1.38	240	14.8	50%	0	C	5% NaCl + LCM
Intermediate 1 w/ Bradenhead Squeeze @ 4143'	Stg 2 Tail	580	1.78	1041	13.5	10%	0	A/C	5% NaCl + LCM
	Stg 1 Tail	940	1.33	1248	14.8	50%	4143	A/C	5% NaCl + LCM
Production	Lead	10	3.66	19	12.5	25%	7552	A/C	Bentonite + 1% CaCl ₂ + 8% NaCl + LCM
	Tail	870	1.35	1181	13.2	25%	7752	A/C	Fluid Loss + Dispersant + Retarder

Design B Primary Cement Design - DV/Packer 2-Stage Cement

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	0	1.72	0	13.5	50%	0	C	5% NaCl + LCM
	Tail	170	1.38	240	14.8	50%	0	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 2328'	Stg 2 Tail	190	1.78	344	13.5	10%	0	A/C	5% NaCl + LCM
	Stg 1 Lead	640	1.84	1181	12.5	50%	0	A/C	Bentonite + 1% CaCl ₂ + 8% NaCl + LCM
	Stg 1 Tail	210	1.33	277	14.8	50%	6952	A/C	5% NaCl + LCM
Production	Lead	10	3.66	23	12.5	25%	7552	A/C	Fluid Loss + Dispersant + Retarder + LCM
	Tail	890	1.35	1206	13.2	25%	7752	A/C	Fluid Loss + Dispersant + Retarder + LCM

Design B Optional Contingency Cement Design - Bradenhead Squeeze

Drill Plan

String	Type	Sacks	Yield	Cu.	Weight	Percent	Top of	Class	Blend
Surface	Lead	0	1.72	0	13.5	50%	0	C	5% NaCl + LCM
	Tail	170	1.38	240	14.8	50%	0	C	5% NaCl + LCM
Intermediate 1 w/ Bradenhead Squeeze @ 4143'	Stg 2 Tail	310	1.78	545	13.5	10%	0	A/C	5% NaCl + LCM
	Stg 1 Tail	440	1.33	591	14.8	50%	4143	A/C	5% NaCl + LCM
Production	Lead	10	3.66	23	12.5	25%	7552	A/C	Bentonite + 1% CaCL ₂ + 8% NaCl + LCM
	Tail	890	1.35	1206	13.2	25%	7752	A/C	Fluid Loss + Dispersant + Retarder

Matador Request option for approval of a contingency cement design utilizing backside bradenhead squeeze. First stage cement will be conventionally bringing tail cement to Brushy Canyon or Capitan based on area and casing string. Second stage will then be pumped down the backside with volumes sufficient to reach previous top of cement. If confidence is lacking in the squeeze job, a CBL will be ran to verify quality and results submitted to the BLM.

5. Mud Program

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud

Hole Section	Hole Size	Mud Type	Interval MD (ft)	Density	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 197	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Brine	197 - 7952	8.7 - 9.4	28-30	NC
Production	6.75	OBM	7952 - 19085	10.5 - 11.5	30-55	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

No 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. We will be running a Neutron log on one of the wells on each pad.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Bottom hole pressure is 5056 psi. Maximum anticipated surface pressure is 3196 psi. Expected bottom hole temperature is 148 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.

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 570730

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 570730
	Action Type: [C-103A] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing.	4/15/2026
ward.rikala	Post Bradenhead cement squeeze, a CBL will be required. If zonal isolation is not achieved per OCD requirements, then remedial work is required before operation can continue.	4/15/2026
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	4/15/2026