

Well Name: MAMA JO 3531 FED COM	Well Location: T22S / R28E / SEC 35 / SESW / 32.3455365 / -104.061106	County or Parish/State: EDDY / NM
Well Number: 119H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM67980	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001556799	Operator: MATADOR PRODUCTION COMPANY	

Notice of Intent

Sundry ID: 2892017

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/28/2026

Time Sundry Submitted: 10:58

Date proposed operation will begin: 01/20/2026

Procedure Description: BLM Bond No. NMB001079 Surety Bond No. RLB0015172 Matador requests the option to amend the well design of the Mama Jo 3531 Fed Com #119H and make the following changes to the current APD: - Change well BHL from 1651' FSL & 2544' FEL section 35 to 330' FSL & 2554' FEL section 35 - Option to drill intermediate hole size of 12-1/4" OH - Option to run intermediate casing type of 9-5/8" BTC - Option to drill production vertical hole size of 7-7/8" to KOP - Option to revise casing set depths and mud weights as described in the attached drill plan. Cement volumes will be adjusted accordingly to reflect design change.

NOI Attachments

Procedure Description

- Mama_Jo_3531_Fed_Com_119H_Casing_Table_Spec___B_20260206060555.pdf
- LO_MAMA_JO_3531_FED_COM_119H_REV4_Signed_20260128105513.pdf
- Mama_Jo_3531_Fed_Com_119H_Directional_AC_Report_20260128105212.pdf
- Mama_Jo_3531_Fed_Com_119H_Sundry_Info_20260128105212.pdf
- Mama_Jo_3531_Fed_Com_119H_Directional_Wall_Plot_20260128105212.pdf
- Mama_Jo_3531_Fed_Com_119H_Directional_Well_Plan_20260128105212.pdf

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Operator: MATADOR PRODUCTION COMPANY

Conditions of Approval

Additional

MAMA_JO_3531_FED_COM_119H_Drilling_COA_20260217103338.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: NICKY FITZGERALD

Signed on: FEB 06, 2026 06:06 AM

Name: MATADOR PRODUCTION COMPANY

Title: Regulatory Consultant

Street Address: 5400 LBJ FREEWAY STE 1500

City: DALLAS

State: TX

Phone: (972) 371-5448

Email address: nicky.fitzgerald@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: 02/20/2026

Signature: Chris Walls

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.

5. Lease Serial No.
6. If Indian, Allottee or Tribe Name

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> 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

Location of Well

0. SHL: SESW / 1296 FSL / 1706 FWL / TWSP: 22S / RANGE: 28E / SECTION: 35 / LAT: 32.3455365 / LONG: -104.061106 (TVD: 0 feet, MD: 0 feet)
PPP: SWNW / 1655 FSL / 0 FWL / TWSP: 22S / RANGE: 28E / SECTION: 36 / LAT: 32.3465524 / LONG: -104.0494639 (TVD: 7450 feet, MD: 16436 feet)
PPP: SWSE / 330 FSL / 2564 FEL / TWSP: 22S / RANGE: 28E / SECTION: 35 / LAT: 32.3428911 / LONG: -104.0575923 (TVD: 7450 feet, MD: 7904 feet)
PPP: SESE / 334 FSL / 0 FEL / TWSP: 22S / RANGE: 28E / SECTION: 35 / LAT: 32.3429239 / LONG: -104.0492845 (TVD: 7450 feet, MD: 10486 feet)
BHL: NWSE / 1651 FSL / 2544 FEL / TWSP: 22S / RANGE: 28E / SECTION: 35 / LAT: 32.3465211 / LONG: -104.0577071 (TVD: 7450 feet, MD: 18984 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME: MATADOR PRODUCTION COMPANY
WELL NAME & NO.: MAMA JO 3531 FED COM 119H
APD ID: 10400103150
LOCATION: Section 35, T22S, R28E. NMP.
COUNTY: Eddy County, New Mexico

Changes approved through engineering via Sundry 2892017 on 02/17/2026. Any previous COAs not addressed within the updated COAs still apply.

COA

H₂S	<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 checked="" type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
Cementing	<input type="checkbox"/> Primary Squeeze	<input 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"/> Casing Clearance	<input type="checkbox"/> Pilot Hole	<input checked="" type="checkbox"/> Break Testing
	<input type="checkbox"/> Four-String	<input checked="" type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> Fluid-Filled	

SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.

A. HYDROGEN SULFIDE

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

B. CASING PROGRAM

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: Operator has requested to have 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.

Note: The intermediate casing setting depth has been adjusted in accordance with the BLM geologist's recommendation.

2. The **9-5/8 inch** intermediate casing shall be set in a competent bed at approximately **2,750 ft.** The minimum required fill of cement behind the **9-5/8 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): Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- **Second stage above DV tool: Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Cave/Karst**. Excess cement in the 2nd stage is less than 25%. More cement might be needed.

❖ In Medium 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.

3. Operator has proposed to set **5-1/2 in.** production casing at approximately **18,943 ft.** (7,450 ft. TVD). The minimum required fill of cement behind the **5-1/2 in.** production casing is:
 - Cement should tie-back **at least 200 feet** into previous casing string. Operator shall provide method of verification. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**

Note: The cement volume is insufficient to achieve at least 200 feet of coverage into the previous casing string. Additional cement is needed.

Offline Cementing

Operator has been (**Approved**) to pump the proposed cement program offline in the **Surface and intermediate(s) intervals**. Offline cementing should commence within 24 hours of landing the casing for the interval. Notify the BLM 4hrs prior to the commencement of any offline cementing procedure at **Eddy County: 575-361-2822**.

C. PRESSURE CONTROL

1. Variance approved to use **flex line** from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi. The BOP/BOPE and annular preventer shall be pressure-tested in accordance with **title 43 CFR 3172**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in the **title 43 CFR 3172.6(b)(9)** must be followed.

BOPE Break Testing Variance

- 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.

D. 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.
- 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.

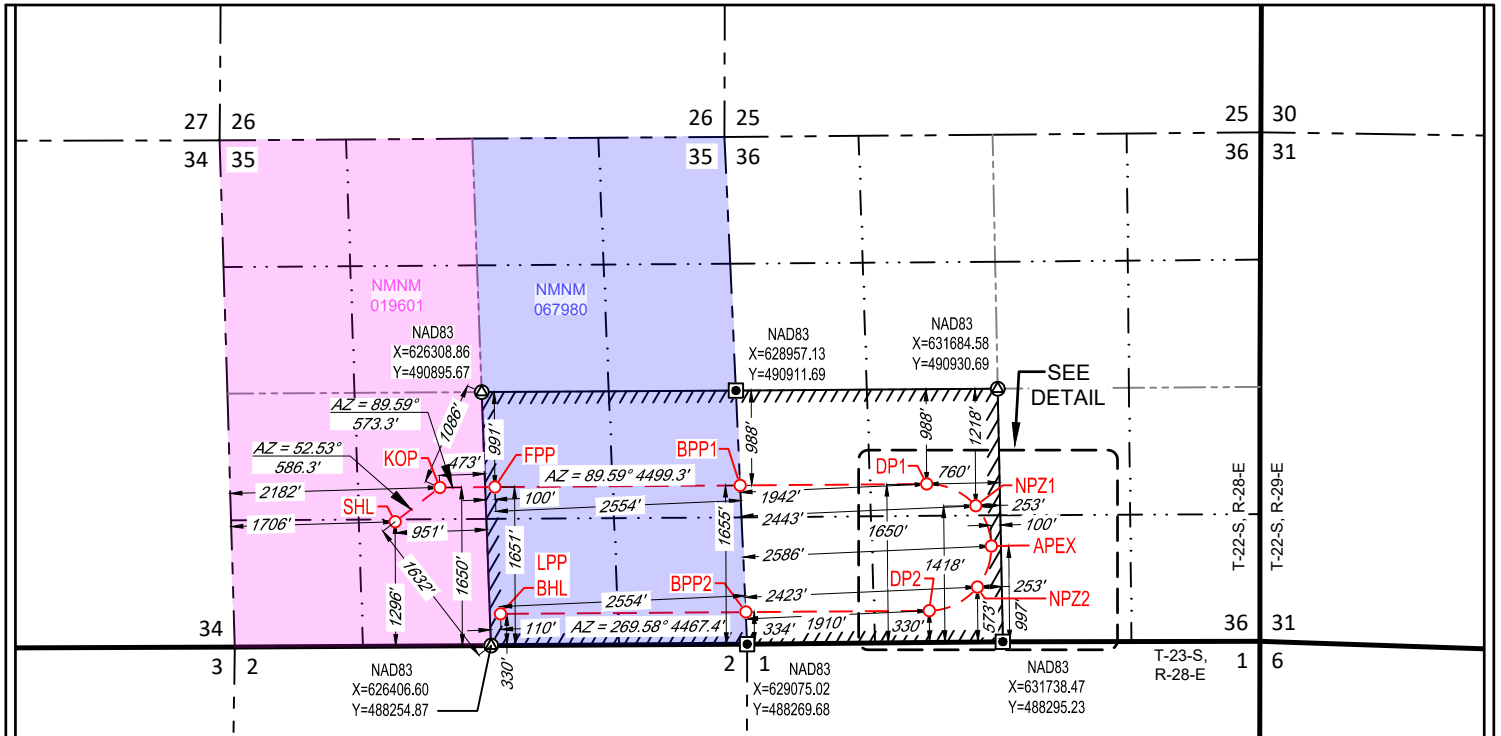
SA 02/17/2026

Casing Table Specification Sheet

Mama Jo 3531 Fed Com 119H
SHL: 1296' FSL & 1706' FWL Section 35
BHL: 330' FSL & 2554' FEL Section 35
Township/Range: 22S 28E
Elevation Above Sea Level: 3074

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 - 350	0 - 350	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 2890	0 - 2884	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	7.875 x 6.75	0 - 6912, 6877 - 18943	0 - 6877, 6877 - 7450	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

<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 checked="" type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p>
<p>Property Name and Well Number</p> <p style="text-align: center;">MAMA JO 3531 FED COM 119H</p>		



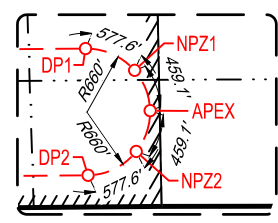
SURFACE LOCATION (SHL)	KICK OFF POINT (KOP)	FIRST PERF. POINT (FPP)	BLM PERF. POINT (BPP1)	DEFLECTION POINT (DP1)
NEW MEXICO EAST NAD 1983 X=625407 Y=489545 LAT.: N 32.3455366 LONG.: W 104.0611056 1296' FSL 1706' FWL	NEW MEXICO EAST NAD 1983 X=625872 Y=489902 LAT.: N 32.3465139 LONG.: W 104.0595958 1650' FSL 2182' FWL	NEW MEXICO EAST NAD 1983 X=626446 Y=489906 LAT.: N 32.3465210 LONG.: W 104.0577395 1651' FSL 2554' FEL	NEW MEXICO EAST NAD 1983 X=629001 Y=489924 LAT.: N 32.3465524 LONG.: W 104.0494639 1655' FSL 0' FWL	NEW MEXICO EAST NAD 1983 X=630945 Y=489938 LAT.: N 32.3465758 LONG.: W 104.0431704 1650' FSL 1942' FWL
NON PERF. ZONE (NPZ1)	U-TURN APEX (APEX)	NON PERF. ZONE (NPZ2)		
NEW MEXICO EAST NAD 1983 X=631456 Y=489711 LAT.: N 32.3459490 LONG.: W 104.0415164 1418' FSL 2443' FWL	NEW MEXICO EAST NAD 1983 X=631618 Y=489291 LAT.: N 32.3447941 LONG.: W 104.0409957 997' FSL 2586' FWL	NEW MEXICO EAST NAD 1983 X=631473 Y=488865 LAT.: N 32.3436242 LONG.: W 104.0414679 573' FSL 2423' FWL		
DEFLECTION POINT (DP2)	BLM PERF. POINT (BPP2)	LOWER PERF. POINT (LPP)		
NEW MEXICO EAST NAD 1983 X=630972 Y=488618 LAT.: N 32.3429480 LONG.: W 104.0430946 330' FSL 1910' FWL	NEW MEXICO EAST NAD 1983 X=629060 Y=488604 LAT.: N 32.3429239 LONG.: W 104.0492845 334' FSL 0' FEL	NEW MEXICO EAST NAD 1983 X=626504 Y=488585 LAT.: N 32.3428912 LONG.: W 104.0575599 330' FSL 2554' FEL		
		BOTTOM HOLE LOCATION (BHL)		
		NEW MEXICO EAST NAD 1983 X=626504 Y=488585 LAT.: N 32.3428912 LONG.: W 104.0575599 330' FSL 2554' FEL		

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.

09/06/2024

Date of Survey

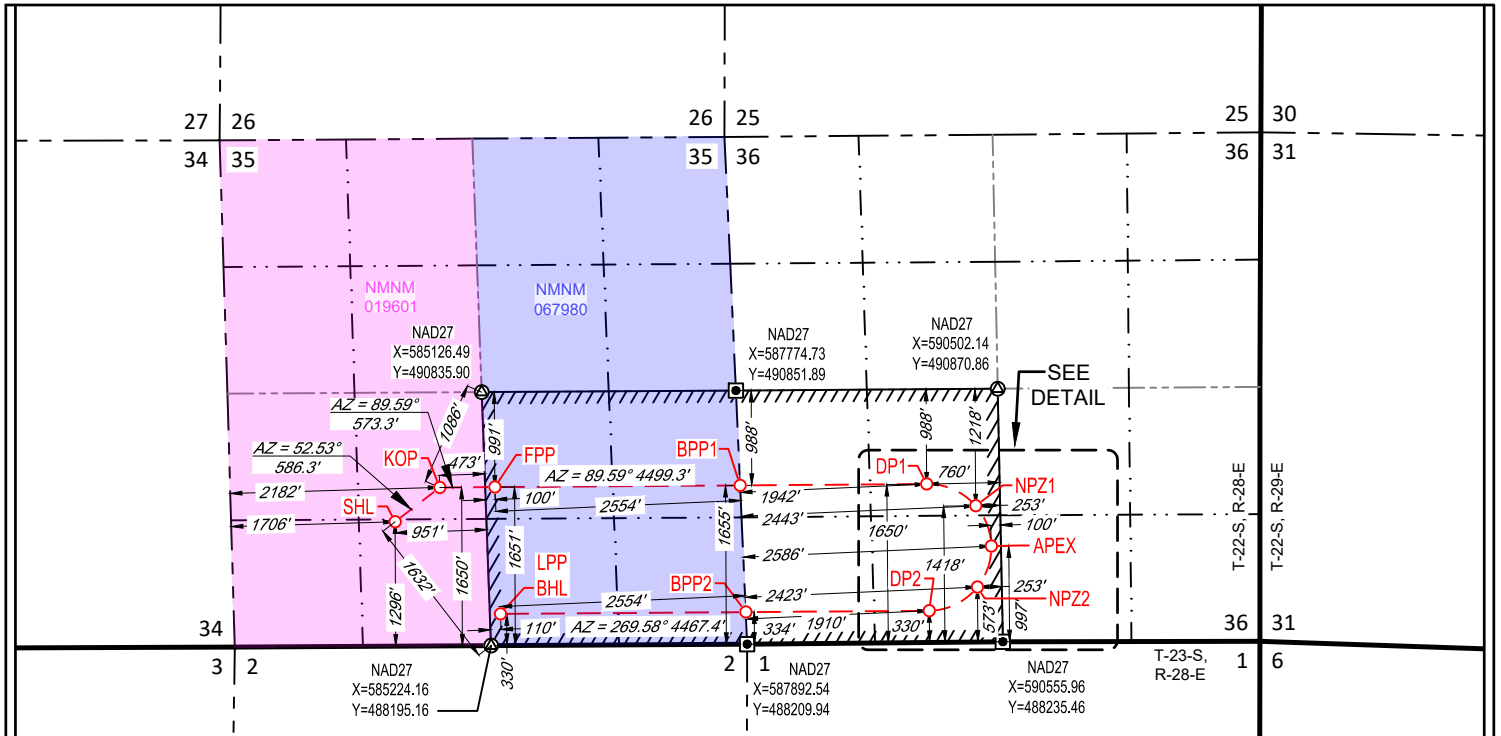


DETAIL VIEW
SCALE: 1" = 2000'



S:\SURVEY\WATER\RESOURCE\BAMA\JO_3531_FED_COM_119H_REV1.dwg GIBENA 12/29/25 11:39 AM

<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 style="text-align: center;">MAMA JO 3531 FED COM 119H</p>		



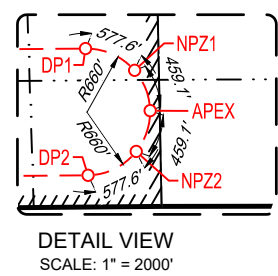
<p>SURFACE LOCATION (SHL)</p> <p>NEW MEXICO EAST NAD 1927 X=584225 Y=489485 LAT.: N 32.3454147 LONG.: W 104.0606078 1296' FSL 1706' FWL</p>	<p>KICK OFF POINT (KOP)</p> <p>NEW MEXICO EAST NAD 1927 X=584690 Y=489842 LAT.: N 32.3463920 LONG.: W 104.0590980 1650' FSL 2182' FWL</p>	<p>FIRST PERF. POINT (FPP)</p> <p>NEW MEXICO EAST NAD 1927 X=585264 Y=489846 LAT.: N 32.3463990 LONG.: W 104.0572418 1651' FSL 2554' FEL</p>	<p>BLM PERF. POINT (BPP1)</p> <p>NEW MEXICO EAST NAD 1927 X=587819 Y=489864 LAT.: N 32.3464303 LONG.: W 104.0489664 1655' FSL 0' FWL</p>	<p>DEFLECTION POINT (DP1)</p> <p>NEW MEXICO EAST NAD 1927 X=589763 Y=489877 LAT.: N 32.3464537 LONG.: W 104.0426731 1650' FSL 1942' FWL</p>
<p>NON PERF. ZONE (NPZ1)</p> <p>NEW MEXICO EAST NAD 1927 X=590274 Y=489651 LAT.: N 32.3458268 LONG.: W 104.0410192 1418' FSL 2443' FWL</p>	<p>U-TURN APEX (APEX)</p> <p>NEW MEXICO EAST NAD 1927 X=590436 Y=489231 LAT.: N 32.3446718 LONG.: W 104.0404986 997' FSL 2586' FWL</p>	<p>NON PERF. ZONE (NPZ2)</p> <p>NEW MEXICO EAST NAD 1927 X=590292 Y=488805 LAT.: N 32.3435019 LONG.: W 104.0409708 573' FSL 2423' FWL</p>		
<p>DEFLECTION POINT (DP2)</p> <p>NEW MEXICO EAST NAD 1927 X=589790 Y=488558 LAT.: N 32.3428257 LONG.: W 104.0425975 330' FSL 1910' FWL</p>	<p>BLM PERF. POINT (BPP2)</p> <p>NEW MEXICO EAST NAD 1927 X=587878 Y=488544 LAT.: N 32.3428017 LONG.: W 104.0487872 334' FSL 0' FEL</p>	<p>LOWER PERF. POINT (LPP) BOTTOM HOLE LOCATION (BHL)</p> <p>NEW MEXICO EAST NAD 1927 X=585323 Y=488525 LAT.: N 32.3427692 LONG.: W 104.0570623 330' FSL 2554' FEL</p>		

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.

09/06/2024

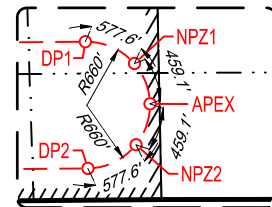
Date of Survey



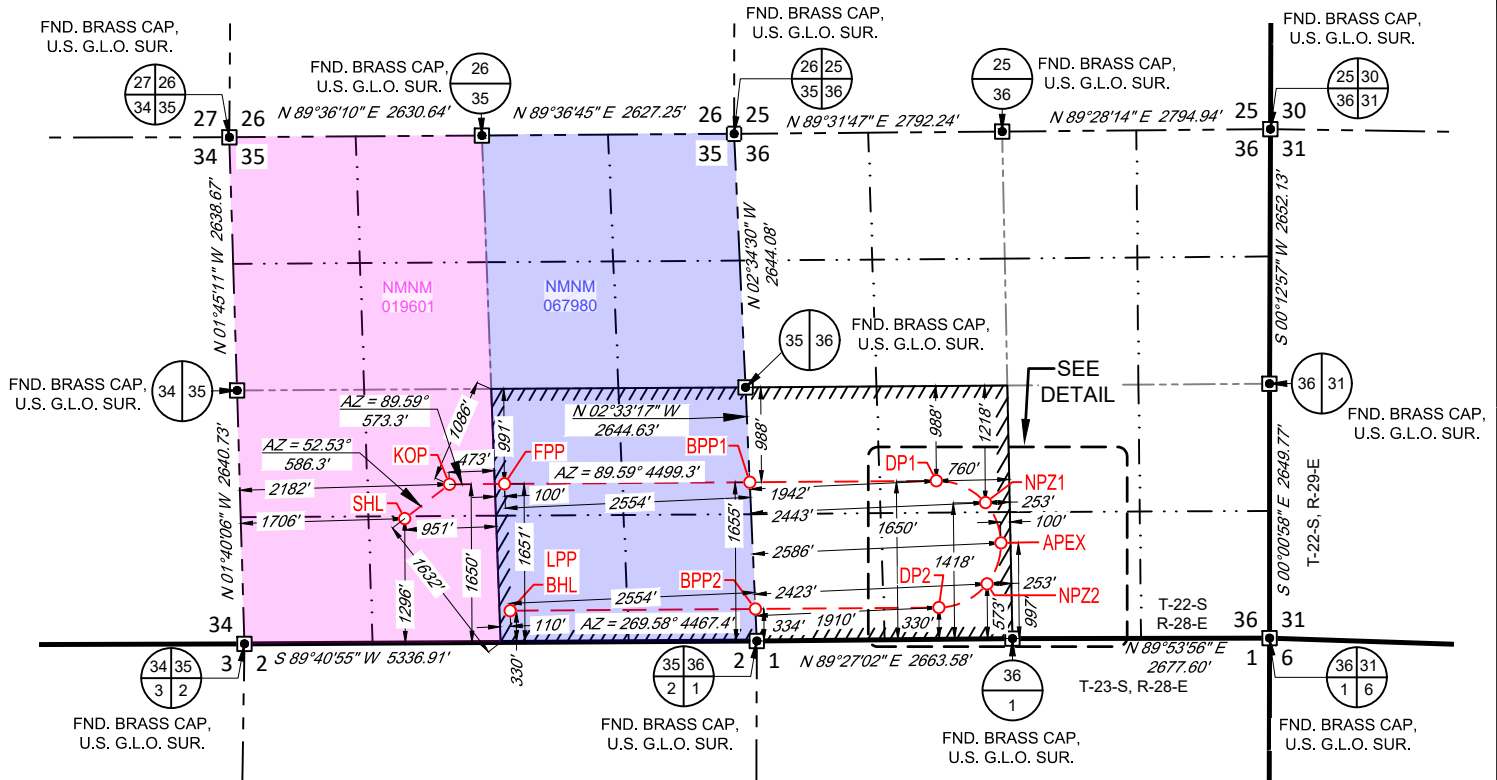
S:\SURVEILLADOR_RESOURCE\BAMA\JO_3531_FED_COM_119H_REV1.dwg GUBENA 12/29/25 11:39 AM



SECTION 35, TOWNSHIP 22-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



DETAIL VIEW
SCALE: 1" = 2000'



SURFACE LOCATION (SHL) NEW MEXICO EAST NAD 1983 X=625407 Y=489545 LAT.: N 32.3455366 LONG.: W 104.0611056 1296' FSL 1706' FWL	KICK OFF POINT (KOP) NEW MEXICO EAST NAD 1983 X=625872 Y=489902 LAT.: N 32.3465139 LONG.: W 104.0595958 1650' FSL 2182' FWL	FIRST PERF. POINT (FPP) NEW MEXICO EAST NAD 1983 X=626446 Y=489906 LAT.: N 32.3465210 LONG.: W 104.0577395 1651' FSL 2554' FEL	BLM PERF. POINT (BPP1) NEW MEXICO EAST NAD 1983 X=629001 Y=489924 LAT.: N 32.3465524 LONG.: W 104.0494639 1655' FSL 0' FWL
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LEASE NAME & WELL NO.: MAMA JO 3531 FED COM 119H

SECTION 35 TWP 22-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 1296' FSL & 1706' FWL

DISTANCE & DIRECTION
FROM INT. OF US-180E. & US-62W. GO EAST ON US-62 E ±2.2 MILES.
THENCE EAST (RIGHT) ON U.S. REFINERY RD ±10.3 MILES. THENCE
NORTHEAST (LEFT) ON A LEASE RD ±0.6 MILE, THENCE SOUTH (RIGHT)
ON A LEASE RD ±0.4 MILES, THENCE WEST (RIGHT) ON A PROPOSED RD.
±56 FEET TO A POINT ±393 FEET EAST OF THE LOCATION.



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



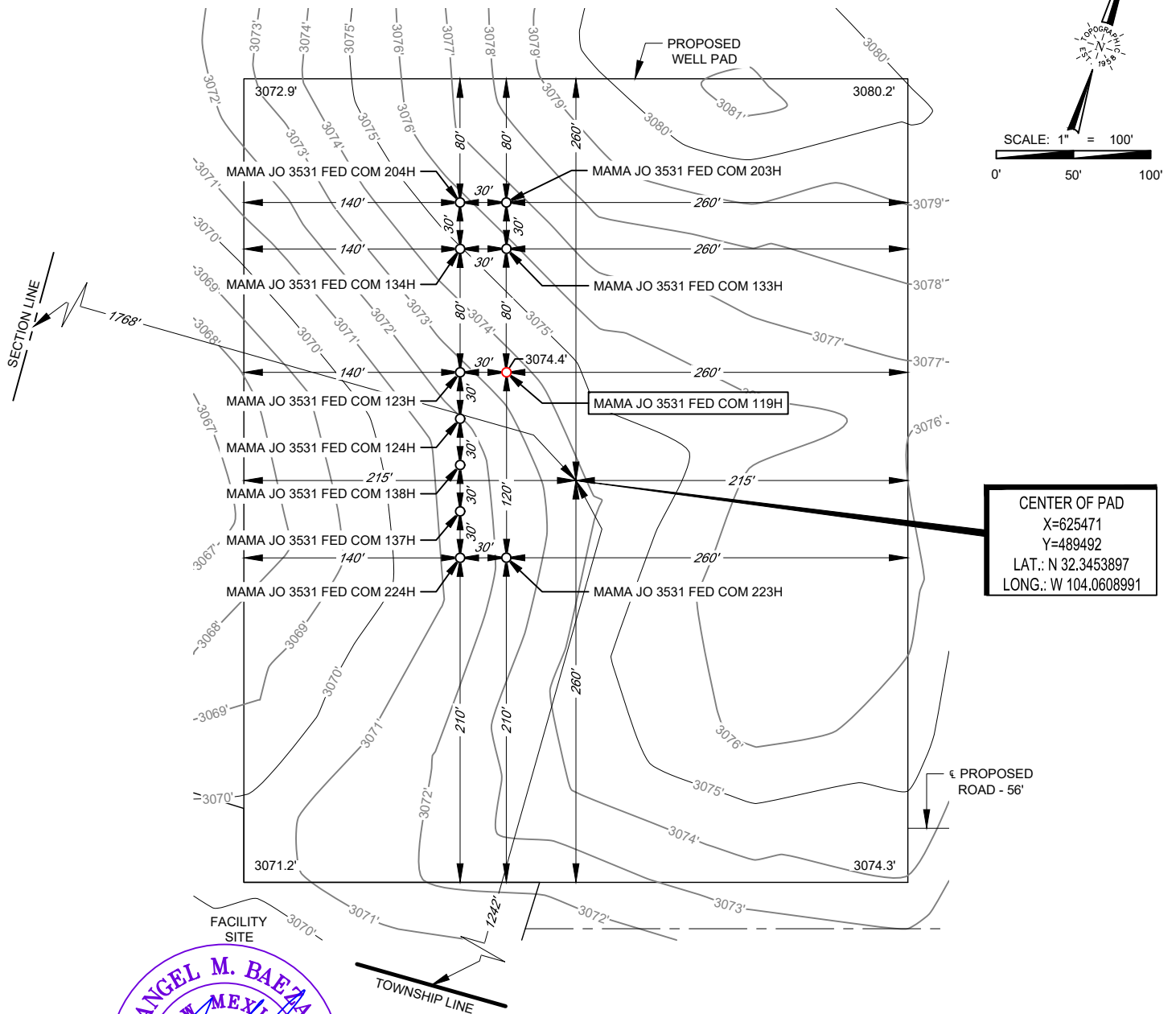
481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
808 WEST INDIANA • MIDLAND, TEXAS 79701
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM



LEGEND

- TOWNSHIP/RANGE LINE
- SECTION LINE
- PROPOSED ROAD

SECTION 35, TOWNSHIP 22-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: MAMA JO 3531 FED COM 119H
 119H LATITUDE N 32.3455366 119H LONGITUDE W 104.0611056

CENTER OF PAD IS 1242' FSL & 1768' FWL

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 WINSCOTT 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
 WWW.TOPOGRAPHIC.COM

Matador Production Company

Rustler Breaks

Mama Jo 3531

Mama Jo 3531 Fed Com #119H

Wellbore #1

BLM Plan #1

Anticollision Summary Report

13 January, 2026

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Project:	Rustler Breaks	TVD Reference:	KB @ 3102.5usft
Reference Site:	Mama Jo 3531	MD Reference:	KB @ 3102.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Mama Jo 3531 Fed Com #119H	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	1/13/2026		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,942.6	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

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						
Mama Jo 3531						
Mama Jo 3531 Fed Com #110H - Wellbore #1 - BLM Pla	12,296.4	14,482.3	1,321.0	1,041.9	4.732	CC
Mama Jo 3531 Fed Com #110H - Wellbore #1 - BLM Pla	12,312.0	14,480.6	1,321.2	1,041.7	4.727	ES
Mama Jo 3531 Fed Com #110H - Wellbore #1 - BLM Pla	12,350.0	14,462.3	1,322.9	1,042.7	4.722	SF
Mama Jo 3531 Fed Com #121H - Wellbore #1 - BLM Pla	1,410.8	1,425.8	2,264.2	2,254.5	233.407	CC
Mama Jo 3531 Fed Com #121H - Wellbore #1 - BLM Pla	1,500.0	1,500.0	2,264.2	2,253.9	220.121	ES
Mama Jo 3531 Fed Com #121H - Wellbore #1 - BLM Pla	12,700.0	13,540.4	3,515.8	3,249.8	13.218	SF
Mama Jo 3531 Fed Com #122H - Wellbore #1 - BLM Pla	7,689.1	7,537.6	1,979.7	1,916.9	31.524	CC
Mama Jo 3531 Fed Com #122H - Wellbore #1 - BLM Pla	12,350.0	12,804.1	2,133.2	1,891.7	8.834	ES
Mama Jo 3531 Fed Com #122H - Wellbore #1 - BLM Pla	12,600.0	13,037.4	2,187.8	1,934.8	8.649	SF
Mama Jo 3531 Fed Com #123H - Wellbore #1 - BLM Pla	1,929.1	1,934.9	15.9	2.6	1.193	Level 2, CC, ES, SF
Mama Jo 3531 Fed Com #124H - Wellbore #1 - BLM Pla	1,711.5	1,713.8	41.4	29.6	3.516	CC, ES
Mama Jo 3531 Fed Com #124H - Wellbore #1 - BLM Pla	18,942.6	7,568.1	670.3	436.3	2.865	SF
Mama Jo 3531 Fed Com #131H - Wellbore #1 - Final	249.1	260.1	2,242.6	2,241.3	1,751.400	CC
Mama Jo 3531 Fed Com #131H - Wellbore #1 - Final	400.0	395.9	2,243.2	2,240.9	976.519	ES
Mama Jo 3531 Fed Com #131H - Wellbore #1 - Final	16,600.0	16,600.0	4,752.6	4,439.9	15.199	SF
Mama Jo 3531 Fed Com #132H - Wellbore #1 - Final	7,433.7	7,425.3	1,659.8	1,602.6	29.045	CC
Mama Jo 3531 Fed Com #132H - Wellbore #1 - Final	7,450.0	7,433.2	1,659.8	1,602.5	28.964	ES
Mama Jo 3531 Fed Com #132H - Wellbore #1 - Final	17,200.0	17,200.0	3,514.0	3,211.9	11.634	SF
Mama Jo 3531 Fed Com #133H - Wellbore #1 - Final	749.6	747.7	75.9	71.1	15.914	CC, ES
Mama Jo 3531 Fed Com #133H - Wellbore #1 - Final	7,200.0	7,222.8	366.6	312.5	6.778	SF
Mama Jo 3531 Fed Com #134H - Wellbore #1 - Final	2,042.9	2,048.8	53.8	39.9	3.859	CC
Mama Jo 3531 Fed Com #134H - Wellbore #1 - Final	2,050.5	2,056.2	53.9	39.9	3.844	ES, SF
Mama Jo 3531 Fed Com #135H - Wellbore #1 - BLM Pla	3,708.6	3,581.2	2,167.3	2,141.4	83.719	CC
Mama Jo 3531 Fed Com #135H - Wellbore #1 - BLM Pla	3,800.0	3,649.5	2,167.8	2,141.3	81.854	ES
Mama Jo 3531 Fed Com #135H - Wellbore #1 - BLM Pla	12,750.0	13,772.6	3,084.5	2,830.4	12.139	SF
Mama Jo 3531 Fed Com #136H - Wellbore #1 - BLM Pla	7,680.9	7,702.2	1,351.4	1,288.0	21.295	CC
Mama Jo 3531 Fed Com #136H - Wellbore #1 - BLM Pla	7,700.0	7,708.1	1,351.6	1,287.9	21.228	ES
Mama Jo 3531 Fed Com #136H - Wellbore #1 - BLM Pla	12,900.0	13,817.7	2,052.1	1,827.7	9.147	SF
Mama Jo 3531 Fed Com #137H - Wellbore #1 - BLM Pla	1,868.4	1,870.2	82.9	69.9	6.403	CC
Mama Jo 3531 Fed Com #137H - Wellbore #1 - BLM Pla	7,753.9	7,548.7	94.1	30.9	1.490	Level 3, ES, SF
Mama Jo 3531 Fed Com #138H - Wellbore #1 - BLM Pla	1,700.0	1,704.0	67.2	55.4	5.723	CC
Mama Jo 3531 Fed Com #138H - Wellbore #1 - BLM Pla	18,942.6	7,677.4	128.2	16.2	1.145	Level 2, ES, SF
Mama Jo 3531 Fed Com #201H - Wellbore #1 - Final	0.0	17.0	2,237.9			
Mama Jo 3531 Fed Com #201H - Wellbore #1 - Final	400.0	395.0	2,240.0	2,237.7	987.453	ES
Mama Jo 3531 Fed Com #201H - Wellbore #1 - Final	12,950.0	15,049.2	3,765.7	3,537.8	16.521	SF
Mama Jo 3531 Fed Com #204H - Wellbore #1 - Final	2,434.1	2,448.6	30.9	14.1	1.842	CC, ES, SF
Mama Jo 3531 Fed Com #221H - Wellbore #1 - BLM Pla	4,641.2	4,527.4	2,148.7	2,115.7	65.098	CC

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 Mama Jo 3531 Fed Com #119H
Project:	Rustler Breaks	TVD Reference:	KB @ 3102.5usft
Reference Site:	Mama Jo 3531	MD Reference:	KB @ 3102.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Mama Jo 3531 Fed Com #119H	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						
Mama Jo 3531						
Mama Jo 3531 Fed Com #221H - Wellbore #1 - BLM Pla	4,700.0	4,576.0	2,148.9	2,115.5	64.320	ES
Mama Jo 3531 Fed Com #221H - Wellbore #1 - BLM Pla	18,942.6	7,261.8	3,671.4	3,442.7	16.055	SF
Mama Jo 3531 Fed Com #224H - Wellbore #1 - BLM Pla	1,700.0	1,703.0	123.7	112.0	10.537	CC, ES
Mama Jo 3531 Fed Com #224H - Wellbore #1 - BLM Pla	18,942.6	7,603.1	618.7	430.2	3.283	SF
Non-Op Rustler Breaks Wells						
Trojan Horse 35 WXY Fed Com 2H - Wellbore #1 - Wellb	7,497.0	13,258.6	2,768.6	2,705.2	43.686	CC
Trojan Horse 35 WXY Fed Com 2H - Wellbore #1 - Wellb	7,500.0	13,258.7	2,768.6	2,705.2	43.636	ES
Trojan Horse 35 WXY Fed Com 2H - Wellbore #1 - Wellb	18,600.0	18,600.0	3,124.5	2,934.7	16.459	SF
Trojan Horse 35 WXY Fed Com 4H - Wellbore #1 - Wellb	18,942.6	14,884.3	2,286.5	2,145.2	16.190	CC, ES, SF
Offsets Rustler Break Wells						
Crocubot Fed 26 #234H - Wellbore #1 - Wellbore #1	9,867.0	7,597.4	3,646.9	3,546.4	36.284	CC
Crocubot Fed 26 #234H - Wellbore #1 - Wellbore #1	10,000.0	7,594.8	3,649.3	3,545.6	35.194	ES
Crocubot Fed 26 #234H - Wellbore #1 - Wellbore #1	17,200.0	7,612.2	4,812.8	4,608.2	23.525	SF
Longview Federal 31 #001 - Wellbore #1 - Wellbore #1	12,900.0	9,126.3	3,297.9	3,228.3	47.435	SF
Longview Federal 31 #001 - Wellbore #1 - Wellbore #1	13,346.7	8,578.1	3,161.3	3,097.4	49.526	ES
Longview Federal 31 #001 - Wellbore #1 - Wellbore #1	13,346.7	8,578.0	3,161.3	3,097.4	49.527	CC
Longview Federal 31 #003H - Wellbore #1 - Wellbore #1	13,365.6	8,401.5	4,497.9	4,439.1	76.542	CC
Longview Federal 31 #003H - Wellbore #1 - Wellbore #1	13,450.0	13,450.0	4,503.4	4,414.2	50.499	ES, SF
Pinnacle State #001 - Wellbore #1 - Wellbore #1	10,512.4	6,450.0	1,049.7	995.8	19.470	CC, ES
Pinnacle State #001 - Wellbore #1 - Wellbore #1	16,400.0	6,450.0	1,542.4	1,304.0	6.470	SF
Pinnacle State #004 - Wellbore #1 - Wellbore #1	12,063.2	6,390.0	1,943.9	1,720.9	8.716	CC
Pinnacle State #004 - Wellbore #1 - Wellbore #1	12,100.0	6,390.0	1,944.3	1,720.4	8.687	ES
Pinnacle State #004 - Wellbore #1 - Wellbore #1	12,350.0	6,390.0	1,965.8	1,737.1	8.596	SF
Pinnacle State #005 - Wellbore #1 - Wellbore #1	12,985.0	6,440.0	1,333.9	1,170.3	8.152	CC
Pinnacle State #005 - Wellbore #1 - Wellbore #1	13,050.0	6,440.0	1,337.5	1,168.3	7.902	ES
Pinnacle State #005 - Wellbore #1 - Wellbore #1	13,450.0	6,440.0	1,501.1	1,290.4	7.125	SF
Pinnacle State #006 - Wellbore #1 - Wellbore #1	12,658.6	6,415.0	2,214.7	1,983.7	9.588	CC
Pinnacle State #006 - Wellbore #1 - Wellbore #1	12,700.0	6,415.0	2,216.2	1,983.2	9.510	ES
Pinnacle State #006 - Wellbore #1 - Wellbore #1	12,900.0	6,415.0	2,265.0	2,022.2	9.327	SF
Pinnacle State #014H - Wellbore #1 - Wellbore #1	12,874.0	6,456.0	2,916.0	2,668.5	11.780	CC
Pinnacle State #014H - Wellbore #1 - Wellbore #1	12,900.0	6,456.0	2,916.6	2,667.6	11.713	ES
Pinnacle State #014H - Wellbore #1 - Wellbore #1	13,150.0	6,456.0	2,980.7	2,719.6	11.417	SF
Pinnacle State #025 - Wellbore #1 - Wellbore #1	15,458.1	7,431.4	303.8	2.8	1.009	Level 2, CC
Pinnacle State #025 - Wellbore #1 - Wellbore #1	15,500.0	7,431.4	306.3	2.1	1.007	Level 2, ES, SF
Pinnacle State #029 - Wellbore #1 - Wellbore #1	13,150.0	7,490.8	2,246.9	2,055.2	11.721	SF
Pinnacle State #029 - Wellbore #1 - Wellbore #1	13,426.7	7,492.6	2,173.4	1,990.9	11.906	CC, ES
Pinnacle State #16 - Wellbore #1 - Wellbore #1	13,272.1	6,943.0	507.5	447.4	8.444	CC
Pinnacle State #16 - Wellbore #1 - Wellbore #1	13,500.0	6,943.0	556.2	421.4	4.126	ES
Pinnacle State #16 - Wellbore #1 - Wellbore #1	13,750.0	6,943.0	690.9	488.8	3.418	SF
Santa Fe Federal Deep 35 #1 - Wellbore #1 - Wellbore #	8,983.1	7,435.0	3,211.1	3,131.0	40.125	CC
Santa Fe Federal Deep 35 #1 - Wellbore #1 - Wellbore #	9,100.0	7,435.1	3,213.2	3,130.6	38.899	ES
Santa Fe Federal Deep 35 #1 - Wellbore #1 - Wellbore #	18,700.0	7,414.1	4,616.5	4,392.2	20.580	SF

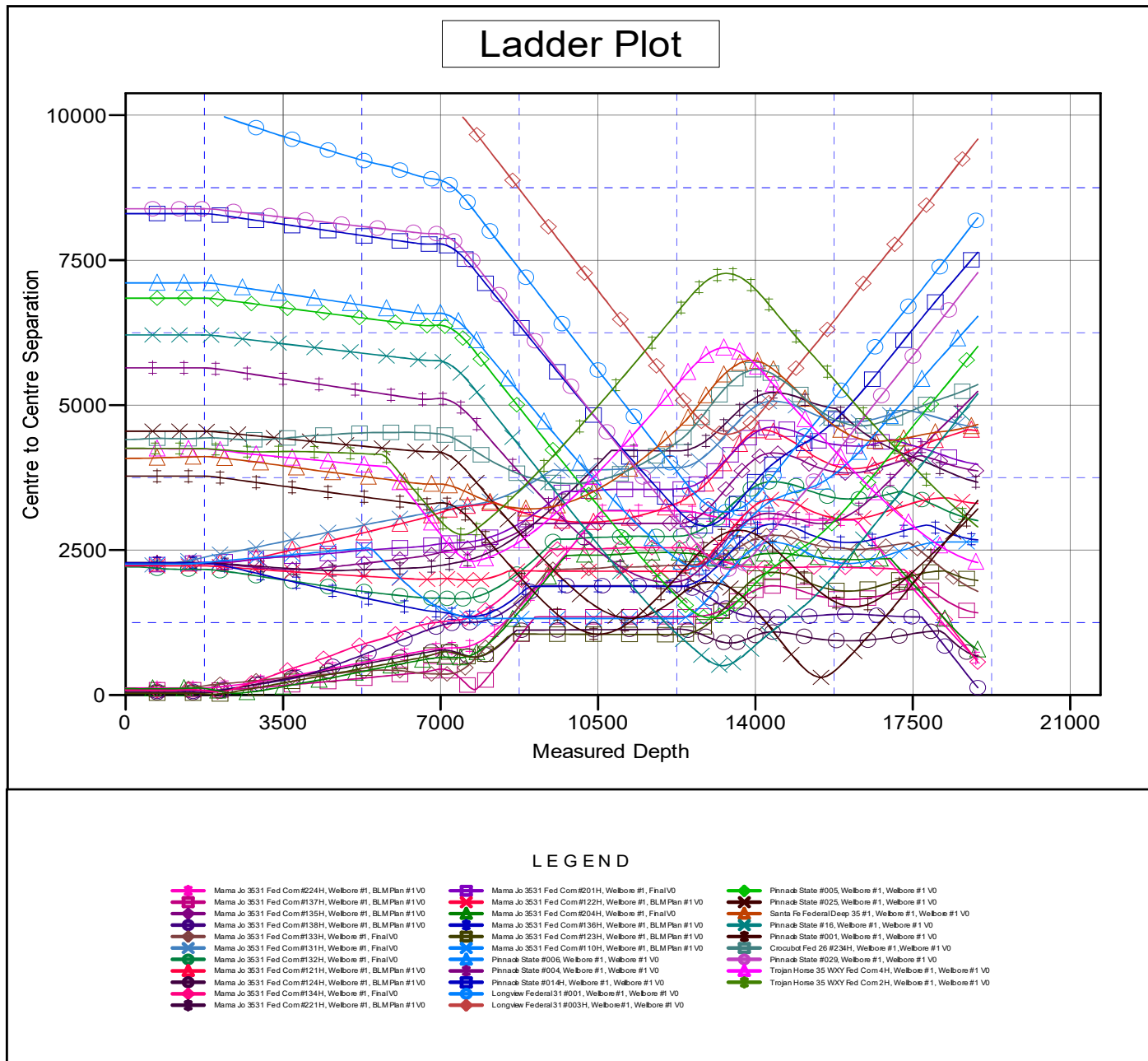
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Project:	Rustler Breaks	TVD Reference:	KB @ 3102.5usft
Reference Site:	Mama Jo 3531	MD Reference:	KB @ 3102.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Mama Jo 3531 Fed Com #119H	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 @ 3102.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Mama Jo 3531 Fed Com #119H
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.15°



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 Mama Jo 3531 Fed Com #119H
Project:	Rustler Breaks	TVD Reference:	KB @ 3102.5usft
Reference Site:	Mama Jo 3531	MD Reference:	KB @ 3102.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Mama Jo 3531 Fed Com #119H	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 @ 3102.5usft

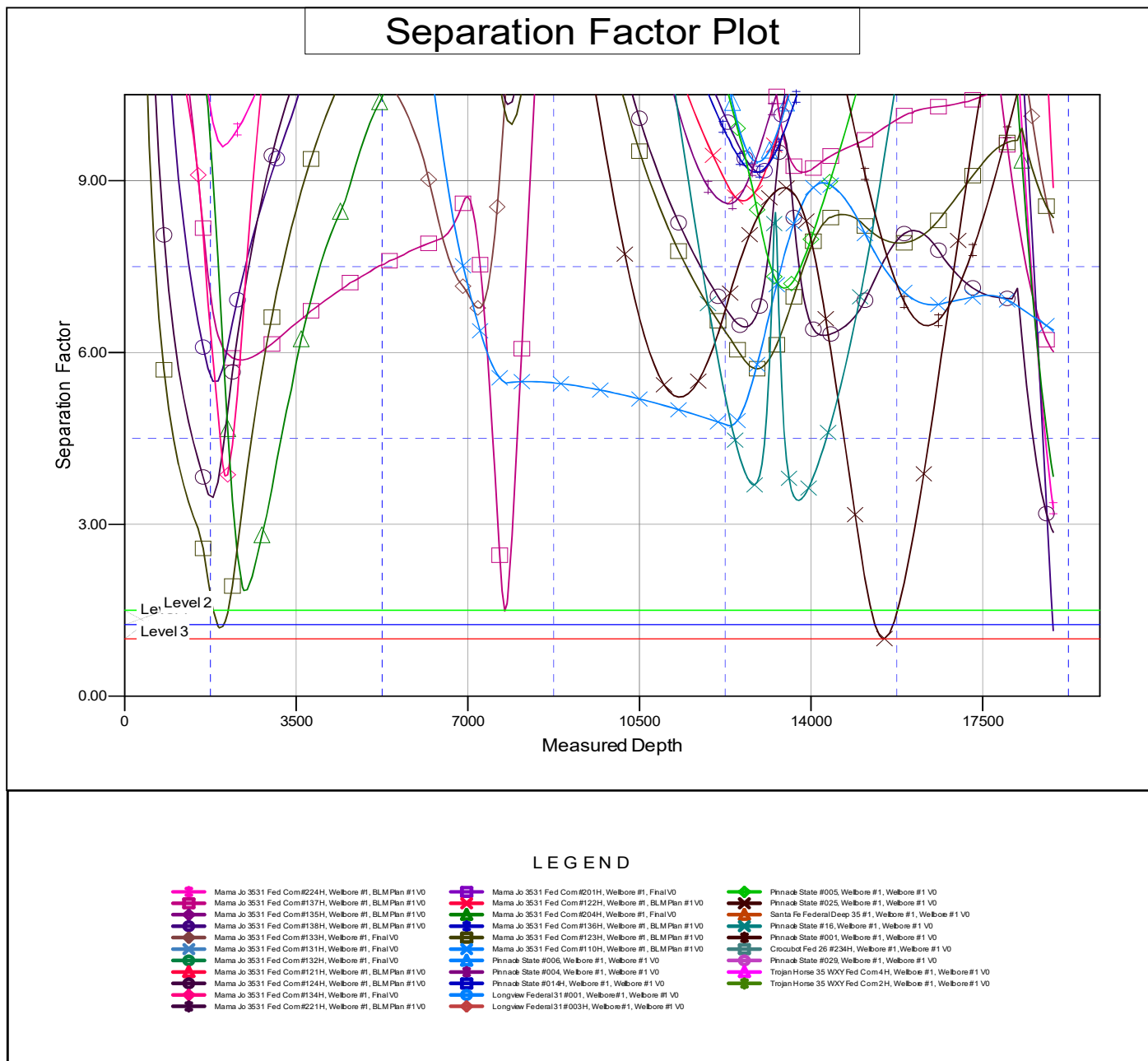
Coordinates are relative to: Mama Jo 3531 Fed Com # 119H

Offset Depths are relative to Offset Datum

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

Central Meridian is 104° 20' 0.000 W

Grid Convergence at Surface is: 0.15°



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

Drill Plan

Mama Jo 3531 Fed Com 119H
SHL: 1296' FSL & 1706' FWL Section 35
BHL: 330' FSL & 2554' FEL Section 35
Township/Range: 22S 28E
Elevation Above Sea Level: 3074

Sundry Request

Matador requests the option to amend the well design of the Mama Jo 3531 Fed Com #119H and make the following changes to the current APD:

- Change well BHL from 1651' FSL & 2544' FEL section 35 to 330' FSL & 2554' FEL section 35
- Option to drill intermediate hole size of 12-1/4" OH
- Option to run intermediate casing type of 9-5/8" BTC
- Option to drill production vertical hole size of 7-7/8" to KOP
- Option to revise casing set depths and mud weights as described below. Cement volumes will be adjusted accordingly to reflect design change.

Drilling Operation Plan

Proposed Drilling Depth: 18943' MD / 7450' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.3465139 N / -104.0595958 W

TD Lat/Long (NAD83): 32.3428912 N / -104.0575599 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	86	86	386	Anhydrite	Barren
Salado (Top of Salt)	472	472	807	Salt	Barren
Castile	1,279	1,279	1,458	Salt	Barren
Lamar (Base of Salt)	2,743	2,737	47	Salt	Barren
Bell Canyon	2,790	2,784	826	Sandstone	Oil/Natural Gas
Cherry Canyon	3,622	3,610	1,199	Sandstone	Oil/Natural Gas
Brushy Canyon	4,830	4,809	1,478	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,319	6,287	440	Carbonate	Oil/Natural Gas
Avalon Shale	6,761	6,727	341	Shale	Oil/Natural Gas
KOP	6,912	6,877	-	Shale	Oil/Natural Gas
1st Bone Spring Carb	7,106	7,068	227	Carbonate	Oil/Natural Gas
1st Bone Spring Sand	7,380	7,295	247	Sandstone	Oil/Natural Gas
TD	18,943	7,450	-	Sandstone	Oil/Natural Gas

2. Notable Zones

First 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 103'.

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 the Intermediate 1 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.

Drill Plan**4. Casing & Cement**

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

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 350	0 - 350	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	12.25	0 - 2890	0 - 2884	9.625	40	J-55	BUTT	1.125	1.125	1.8
Production	7.875 x 6.75	0 - 6912, 6912 - 18943	0 - 6877, 6877 - 7450	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)

- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed

- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

Variance Request

Matador request a variance to 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.

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	30	1.72	49	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	50	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 2787'	Stg 2 Tail	430	1.78	769	13.5	10%	0	A/C	5% NaCl + LCM
	Stg 1 Lead	1070	1.84	1963	12.5	50%	0	A/C	Bentonite + 1% CaCl ₂ + 8% NaCl + LCM
	Stg 1 Tail	260	1.33	343	14.8	50%	5812	A/C	5% NaCl + LCM
Production	Tail	950	1.35	1285	13.2	25%	6612	A/C	Fluid Loss + Dispersant + Retarder + LCM

5. Mud Program

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

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 350	8.4 - 8.8	28-30	NC
Intermediate 1	12.25	Brine	350 - 2890	8.8 - 9.3	28-30	NC
Production	7.875 x 6.75	Cut Brine/OBM	2890 - 18943	9 - 9.5	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 3680 psi. Maximum anticipated surface pressure is 2041 psi. Expected bottom hole temperature is 137 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.



SURVEY PROGRAM

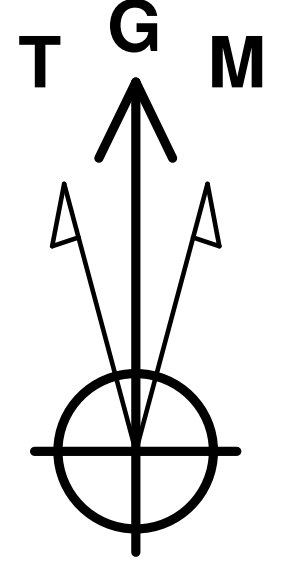
WELL DETAILS: Mama Jo 3531 Fed Com #119H

Depth From	Depth To	Survey/Plan	Tool	+N/-S	+E/-W	Northing	Easting	GL @ 3074.0	KB @ 3102.5usft	Latitude	Longitude	Slot
0.0	18942.6	BLM Plan #1 (Wellbore #1)	MWD	0.0	0.0	489484.84	584225.13			32° 20' 43.493 N	104° 3' 38.188 W	

Company: Matador Production Company
Well: Mama Jo 3531 Fed Com #119H
County: Eddy County, NM
Wellbore: Wellbore #1
Plan: BLM Plan #1
Date: 1/14/2025

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

To convert a Magnetic Direction to a Grid Direction, Add 6.25°
 To convert a Magnetic Direction to a True Direction, Add 6.40° East
 To convert a True Direction to a Grid Direction, Subtract 0.15°



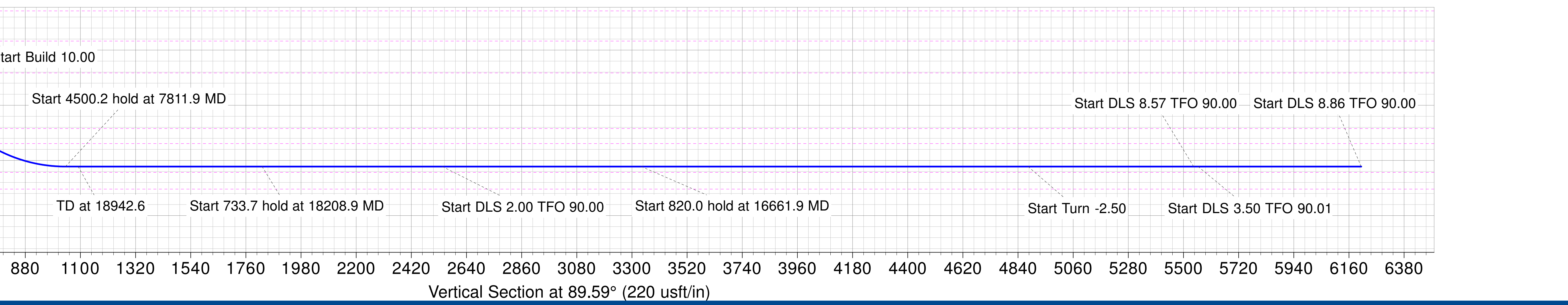
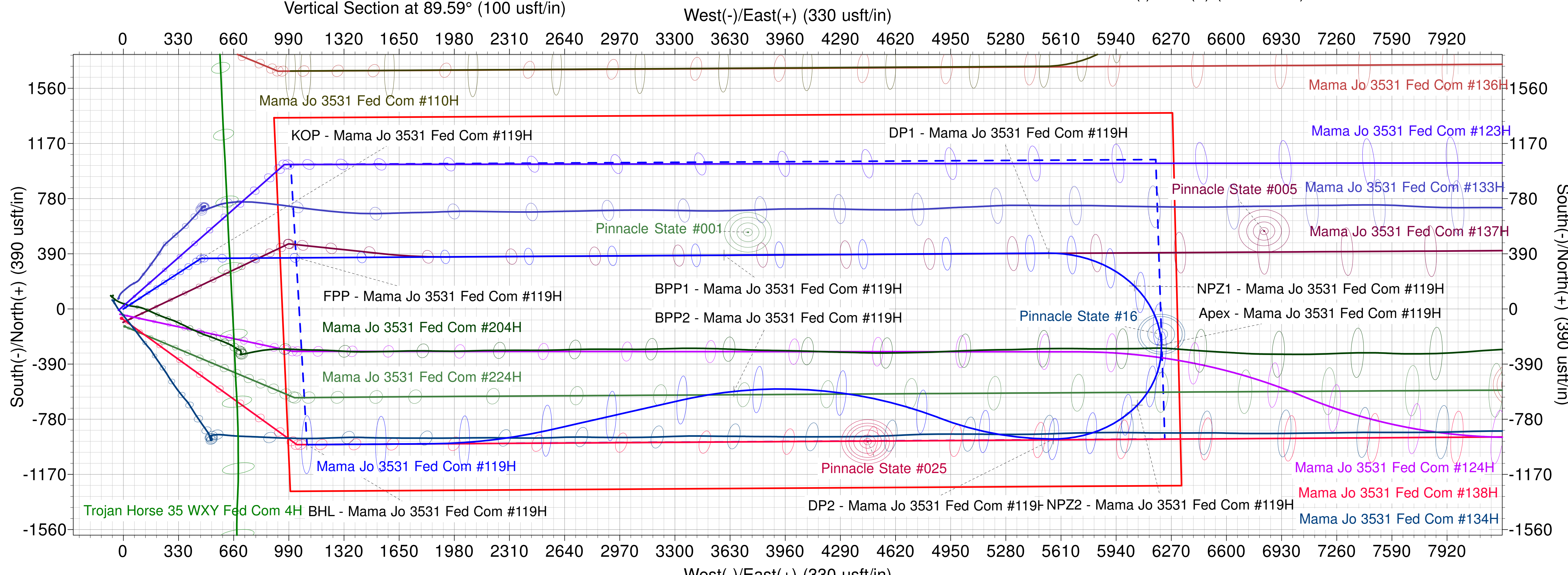
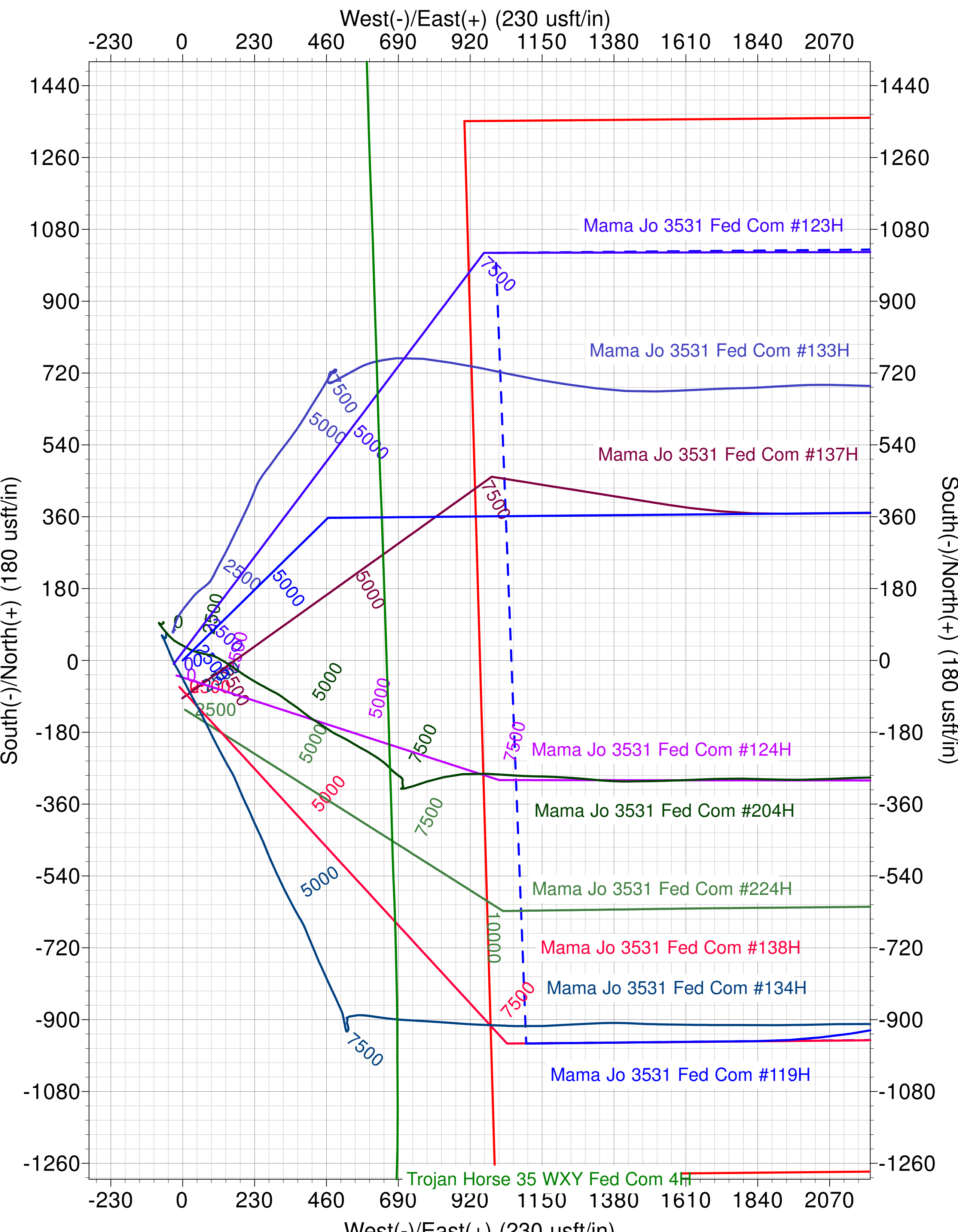
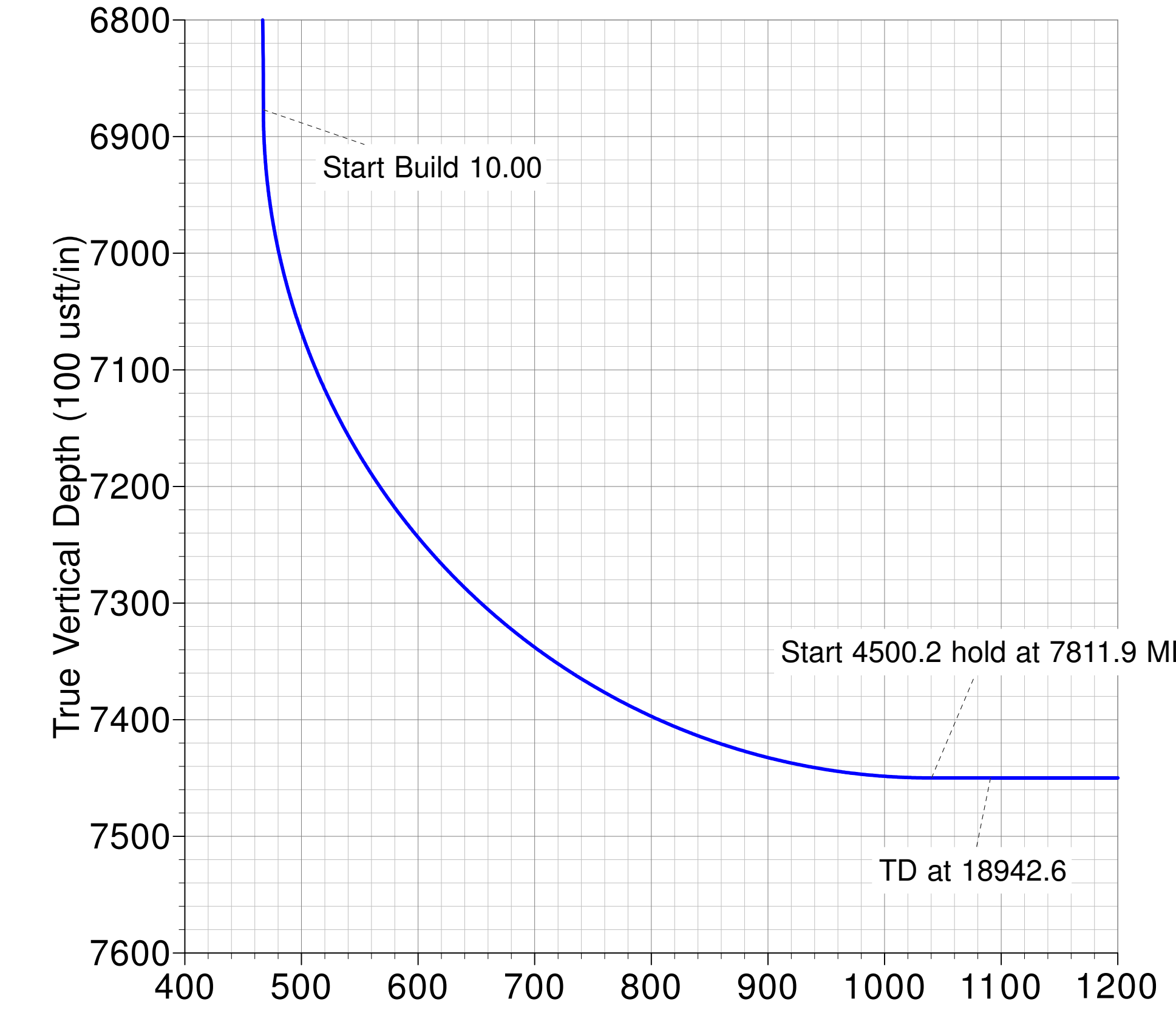
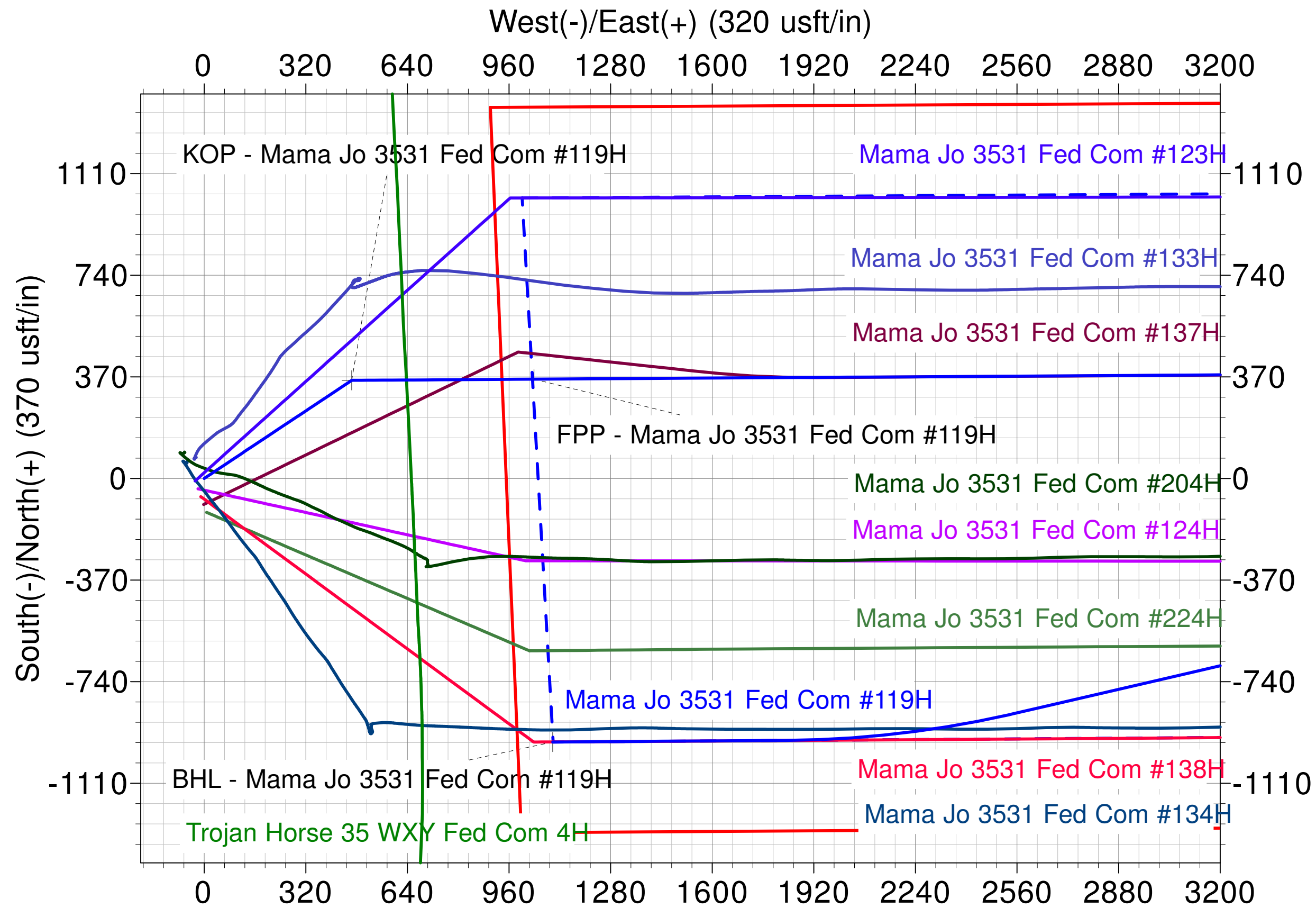
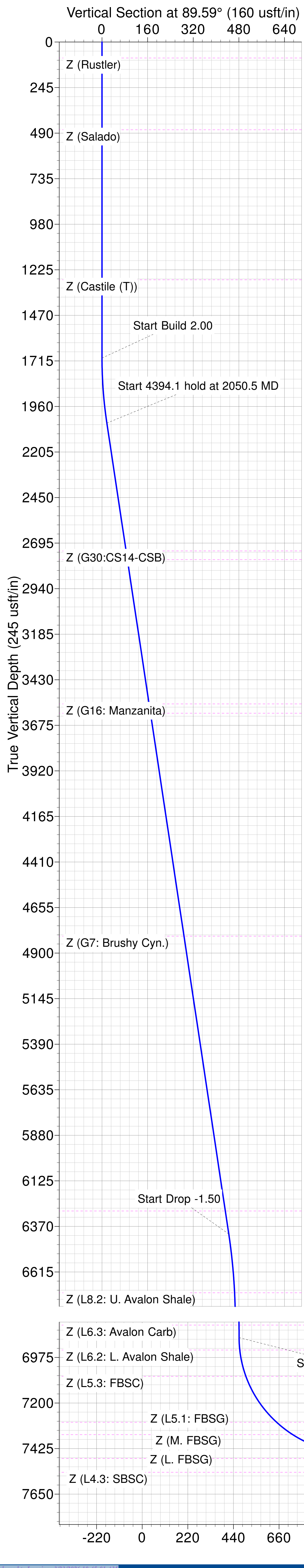
Azimuths to Grid North
 True North: -0.15°
 Magnetic North: 6.25°
 Magnetic Field
 Strength: 47213.1snT
 Dip Angle: 60.00°
 Date: 10/1/2024
 Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP - Mama Jo 3531 Fed Com #119H	6877.0	357.2	464.9	489842.00	584690.00	32° 20' 47.016 N	104° 3' 32.759 W
DP1 - Mama Jo 3531 Fed Com #119H	7450.0	392.2	5537.9	489877.00	589763.00	32° 20' 47.230 N	104° 2' 33.622 W
Apex - Mama Jo 3531 Fed Com #119H	7450.0	-253.8	6210.9	489231.00	590436.00	32° 20' 40.819 N	104° 2' 25.797 W
DP2 - Mama Jo 3531 Fed Com #119H	7450.0	-919.8	5564.9	488565.00	589790.00	32° 20' 34.245 N	104° 2' 33.348 W
BHL - Mama Jo 3531 Fed Com #119H	7450.0	-959.8	1097.9	488525.00	585323.00	32° 20' 33.966 N	104° 3' 25.419 W
BPP1 - Mama Jo 3531 Fed Com #119H	7450.0	380.1	3594.0	489864.94	587819.13	32° 20' 47.162 N	104° 2' 56.282 W
BPP2 - Mama Jo 3531 Fed Com #119H	7450.0	-583.5	3653.0	488901.31	587878.13	32° 20' 37.624 N	104° 2' 55.624 W
FPP - Mama Jo 3531 Fed Com #119H	7450.0	361.4	1039.0	489846.21	585264.13	32° 20' 47.043 N	104° 3' 26.066 W
NPZ1 - Mama Jo 3531 Fed Com #119H	7450.0	162.4	6049.0	489647.24	590274.13	32° 20' 44.942 N	104° 2' 27.671 W
NPZ2 - Mama Jo 3531 Fed Com #119H	7450.0	-680.3	6067.0	488804.50	590292.13	32° 20' 36.602 N	104° 2' 27.488 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	
1700.0	0.00	0.00	1700.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2050.5	7.01	52.46	2049.6	13.0	17.0	2.00	52.46	17.1	Start 4394.1 hold at 2050.5 MD
6444.6	7.01	52.46	6410.8	339.8	442.2	0.00	0.00	0.0	Start Drop -1.50
6911.9	0.00	0.00	6877.0	357.2	464.9	1.50	180.00	467.4	Start Build 10.00
7811.9	90.00	89.58	7450.0	361.4	1037.8	10.00	89.58	1040.4	Start 4500.2 hold at 7811.9 MD
12312.0	90.00	89.58	7450.0	394.3	5537.8	0.00	0.00	5540.5	Start DLS 8.57 TFO 90.00
13346.7	90.00	178.27	7450.0	-253.8	6210.9	8.57	90.00	6208.9	Start DLS 8.86 TFO 90.00
14381.5	90.00	269.99	7450.0	-919.8	5564.9	8.86	90.00	5558.1	Start DLS 3.50 TFO 90.01
15081.9	90.00	294.50	7450.0	-772.4	4885.6	3.50	90.01	4880.0	Start Turn -2.50
16661.9	90.00	255.00	7450.0	-644.2	3342.0	2.50	-90.00	3337.3	Start 820.0 hold at 16661.9 MD
17481.9	90.00	255.00	7450.0	-856.4	2550.0	0.00	0.00	2543.8	Start DLS 2.00 TFO 90.00
18208.9	90.00	269.54	7450.0	-953.9	1831.6	2.00	90.00	1824.7	Start 733.7 hold at 18208.9 MD
18942.6	90.00	269.54	7450.0	-959.8	1097.9	0.00	0.00	1091.0	TD at 18942.6



Matador Production Company

Rustler Breaks

Mama Jo 3531

Mama Jo 3531 Fed Com #119H

Wellbore #1

Plan: BLM Plan #1

Standard Planning Report

13 January, 2026

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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	Mama Jo 3531				
Site Position:		Northing:	489,447.57 usft	Latitude:	32° 20' 43.125 N
From:	Lat/Long	Easting:	584,204.94 usft	Longitude:	104° 3' 38.425 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Mama Jo 3531 Fed Com #119H					
Well Position	+N/-S	37.3 usft	Northing:	489,484.84 usft	Latitude:	32° 20' 43.493 N
	+E/-W	20.2 usft	Easting:	584,225.14 usft	Longitude:	104° 3' 38.188 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,074.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/1/2024	6.40	60.00	47,213.06496320

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	89.59	

Plan Survey Tool Program	Date	1/13/2026			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	18,942.6 BLM Plan #1 (Wellbore #1)	MWD OWSG MWD - Standard		

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,050.5	7.01	52.46	2,049.6	13.0	17.0	2.00	2.00	0.00	52.46	
6,444.6	7.01	52.46	6,410.8	339.8	442.2	0.00	0.00	0.00	0.00	
6,911.9	0.00	0.00	6,877.0	357.2	464.9	1.50	-1.50	0.00	180.00	KOP - Mama Jo 3531
7,811.9	90.00	89.58	7,450.0	361.4	1,037.8	10.00	10.00	0.00	89.58	
12,312.0	90.00	89.58	7,450.0	394.3	5,537.8	0.00	0.00	0.00	0.00	DP1 - Mama Jo 3531
13,346.7	90.00	178.27	7,450.0	-253.8	6,210.9	8.57	0.00	8.57	90.00	Apex - Mama Jo 3531
14,381.5	90.00	269.99	7,450.0	-919.8	5,564.9	8.86	0.00	8.86	90.00	DP2 - Mama Jo 3531
15,081.9	90.00	294.50	7,450.0	-772.4	4,885.6	3.50	0.00	3.50	90.01	
16,661.9	90.00	255.00	7,450.0	-644.2	3,342.0	2.50	0.00	-2.50	-90.00	
17,481.9	90.00	255.00	7,450.0	-856.4	2,550.0	0.00	0.00	0.00	0.00	
18,208.9	90.00	269.54	7,450.0	-953.9	1,831.6	2.00	0.00	2.00	90.00	
18,942.6	90.00	269.54	7,450.0	-959.8	1,097.9	0.00	0.00	0.00	0.00	BHL - Mama Jo 3531

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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	
86.0	0.00	0.00	86.0	0.0	0.0	0.0	0.00	0.00	0.00	
Z (Rustler)										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
472.0	0.00	0.00	472.0	0.0	0.0	0.0	0.00	0.00	0.00	
Z (Salado)										
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,279.0	0.00	0.00	1,279.0	0.0	0.0	0.0	0.00	0.00	0.00	
Z (Castile (T))										
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
Start Build 2.00										
1,800.0	2.00	52.46	1,800.0	1.1	1.4	1.4	2.00	2.00	0.00	
1,900.0	4.00	52.46	1,899.8	4.3	5.5	5.6	2.00	2.00	0.00	
2,000.0	6.00	52.46	1,999.5	9.6	12.4	12.5	2.00	2.00	0.00	
2,050.5	7.01	52.46	2,049.6	13.0	17.0	17.1	2.00	2.00	0.00	
Start 4394.1 hold at 2050.5 MD										
2,100.0	7.01	52.46	2,098.8	16.7	21.8	21.9	0.00	0.00	0.00	
2,200.0	7.01	52.46	2,198.0	24.2	31.4	31.6	0.00	0.00	0.00	
2,300.0	7.01	52.46	2,297.3	31.6	41.1	41.4	0.00	0.00	0.00	
2,400.0	7.01	52.46	2,396.5	39.0	50.8	51.1	0.00	0.00	0.00	
2,500.0	7.01	52.46	2,495.8	46.5	60.5	60.8	0.00	0.00	0.00	
2,600.0	7.01	52.46	2,595.0	53.9	70.2	70.5	0.00	0.00	0.00	
2,700.0	7.01	52.46	2,694.3	61.3	79.8	80.3	0.00	0.00	0.00	
2,743.1	7.01	52.46	2,737.0	64.5	84.0	84.5	0.00	0.00	0.00	
Z (G30:CS14-CSB)										
2,790.4	7.01	52.46	2,784.0	68.1	88.6	89.1	0.00	0.00	0.00	
Z (G26: Bell Cyn.)										
2,800.0	7.01	52.46	2,793.5	68.8	89.5	90.0	0.00	0.00	0.00	
2,900.0	7.01	52.46	2,892.8	76.2	99.2	99.7	0.00	0.00	0.00	
3,000.0	7.01	52.46	2,992.0	83.6	108.9	109.5	0.00	0.00	0.00	
3,100.0	7.01	52.46	3,091.3	91.1	118.5	119.2	0.00	0.00	0.00	
3,200.0	7.01	52.46	3,190.5	98.5	128.2	128.9	0.00	0.00	0.00	
3,300.0	7.01	52.46	3,289.8	106.0	137.9	138.7	0.00	0.00	0.00	
3,400.0	7.01	52.46	3,389.0	113.4	147.6	148.4	0.00	0.00	0.00	
3,500.0	7.01	52.46	3,488.3	120.8	157.3	158.1	0.00	0.00	0.00	
3,572.2	7.01	52.46	3,560.0	126.2	164.3	165.2	0.00	0.00	0.00	
Z (G16: Manzanita)										
3,600.0	7.01	52.46	3,587.5	128.3	166.9	167.9	0.00	0.00	0.00	
3,622.6	7.01	52.46	3,610.0	129.9	169.1	170.1	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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)	
Z (G13: Cherry Cyn.)										
3,700.0	7.01	52.46	3,686.8	135.7	176.6	177.6	0.00	0.00	0.00	
3,800.0	7.01	52.46	3,786.0	143.1	186.3	187.3	0.00	0.00	0.00	
3,900.0	7.01	52.46	3,885.3	150.6	196.0	197.0	0.00	0.00	0.00	
4,000.0	7.01	52.46	3,984.6	158.0	205.6	206.8	0.00	0.00	0.00	
4,100.0	7.01	52.46	4,083.8	165.4	215.3	216.5	0.00	0.00	0.00	
4,200.0	7.01	52.46	4,183.1	172.9	225.0	226.2	0.00	0.00	0.00	
4,300.0	7.01	52.46	4,282.3	180.3	234.7	236.0	0.00	0.00	0.00	
4,400.0	7.01	52.46	4,381.6	187.7	244.4	245.7	0.00	0.00	0.00	
4,500.0	7.01	52.46	4,480.8	195.2	254.0	255.4	0.00	0.00	0.00	
4,600.0	7.01	52.46	4,580.1	202.6	263.7	265.2	0.00	0.00	0.00	
4,700.0	7.01	52.46	4,679.3	210.0	273.4	274.9	0.00	0.00	0.00	
4,800.0	7.01	52.46	4,778.6	217.5	283.1	284.6	0.00	0.00	0.00	
4,830.7	7.01	52.46	4,809.0	219.8	286.0	287.6	0.00	0.00	0.00	
Z (G7: Brushy Cyn.)										
4,900.0	7.01	52.46	4,877.8	224.9	292.7	294.3	0.00	0.00	0.00	
5,000.0	7.01	52.46	4,977.1	232.4	302.4	304.1	0.00	0.00	0.00	
5,100.0	7.01	52.46	5,076.3	239.8	312.1	313.8	0.00	0.00	0.00	
5,200.0	7.01	52.46	5,175.6	247.2	321.8	323.5	0.00	0.00	0.00	
5,300.0	7.01	52.46	5,274.8	254.7	331.5	333.3	0.00	0.00	0.00	
5,400.0	7.01	52.46	5,374.1	262.1	341.1	343.0	0.00	0.00	0.00	
5,500.0	7.01	52.46	5,473.3	269.5	350.8	352.7	0.00	0.00	0.00	
5,600.0	7.01	52.46	5,572.6	277.0	360.5	362.5	0.00	0.00	0.00	
5,700.0	7.01	52.46	5,671.8	284.4	370.2	372.2	0.00	0.00	0.00	
5,800.0	7.01	52.46	5,771.1	291.8	379.8	381.9	0.00	0.00	0.00	
5,900.0	7.01	52.46	5,870.4	299.3	389.5	391.7	0.00	0.00	0.00	
6,000.0	7.01	52.46	5,969.6	306.7	399.2	401.4	0.00	0.00	0.00	
6,100.0	7.01	52.46	6,068.9	314.1	408.9	411.1	0.00	0.00	0.00	
6,200.0	7.01	52.46	6,168.1	321.6	418.6	420.8	0.00	0.00	0.00	
6,300.0	7.01	52.46	6,267.4	329.0	428.2	430.6	0.00	0.00	0.00	
6,319.8	7.01	52.46	6,287.0	330.5	430.1	432.5	0.00	0.00	0.00	
Z (G4: BSG L (CS9))										
6,400.0	7.01	52.46	6,366.6	336.5	437.9	440.3	0.00	0.00	0.00	
6,444.6	7.01	52.46	6,410.8	339.8	442.2	444.6	0.00	0.00	0.00	
Start Drop -1.50										
6,500.0	6.18	52.46	6,465.9	343.6	447.3	449.7	1.50	-1.50	0.00	
6,600.0	4.68	52.46	6,565.5	349.4	454.8	457.3	1.50	-1.50	0.00	
6,700.0	3.18	52.46	6,665.2	353.6	460.2	462.7	1.50	-1.50	0.00	
6,761.8	2.25	52.46	6,727.0	355.4	462.5	465.1	1.50	-1.50	0.00	
Z (L8.2: U. Avalon Shale)										
6,800.0	1.68	52.46	6,765.1	356.2	463.6	466.1	1.50	-1.50	0.00	
6,849.9	0.93	52.46	6,815.0	356.9	464.5	467.0	1.50	-1.50	0.00	
Z (L6.3: Avalon Carb)										
6,900.0	0.18	52.46	6,865.1	357.2	464.9	467.4	1.50	-1.50	0.00	
6,911.9	0.00	0.00	6,877.0	357.2	464.9	467.4	1.50	-1.50	-441.44	
Start Build 10.00 - KOP - Mama Jo 3531 Fed Com #119H										
6,973.0	6.11	89.58	6,938.0	357.2	468.1	470.7	10.00	10.00	146.57	
Z (L6.2: L. Avalon Shale)										
7,000.0	8.81	89.58	6,964.8	357.2	471.6	474.2	10.00	10.00	0.00	
7,100.0	18.81	89.58	7,061.8	357.4	495.5	498.0	10.00	10.00	0.00	
7,106.6	19.47	89.58	7,068.0	357.4	497.6	500.2	10.00	10.00	0.00	
Z (L5.3: FBSC)										
7,200.0	28.81	89.58	7,153.1	357.7	535.8	538.3	10.00	10.00	0.00	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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	38.81	89.58	7,236.1	358.1	591.4	593.9	10.00	10.00	0.00
7,380.4	46.85	89.58	7,295.0	358.5	646.0	648.5	10.00	10.00	0.00
Z (L5.1: FBSG)									
7,400.0	48.81	89.58	7,308.2	358.6	660.5	663.1	10.00	10.00	0.00
7,479.1	56.72	89.58	7,356.0	359.1	723.4	726.0	10.00	10.00	0.00
Z (M. FBSG)									
7,500.0	58.81	89.58	7,367.1	359.2	741.1	743.7	10.00	10.00	0.00
7,600.0	68.81	89.58	7,411.2	359.8	830.7	833.3	10.00	10.00	0.00
7,700.0	78.81	89.58	7,439.1	360.5	926.6	929.2	10.00	10.00	0.00
7,800.0	88.81	89.58	7,449.8	361.3	1,025.9	1,028.5	10.00	10.00	0.00
7,811.9	90.00	89.58	7,450.0	361.4	1,037.8	1,040.4	10.00	10.00	0.00
Start 4500.2 hold at 7811.9 MD									
7,813.1	90.00	89.58	7,450.0	361.4	1,039.0	1,041.6	0.00	0.00	0.00
FPP - Mama Jo 3531 Fed Com #119H									
7,900.0	90.00	89.58	7,450.0	362.0	1,125.9	1,128.5	0.00	0.00	0.00
8,000.0	90.00	89.58	7,450.0	362.7	1,225.9	1,228.5	0.00	0.00	0.00
8,100.0	90.00	89.58	7,450.0	363.5	1,325.9	1,328.5	0.00	0.00	0.00
8,200.0	90.00	89.58	7,450.0	364.2	1,425.9	1,428.5	0.00	0.00	0.00
8,300.0	90.00	89.58	7,450.0	364.9	1,525.9	1,528.5	0.00	0.00	0.00
8,400.0	90.00	89.58	7,450.0	365.7	1,625.9	1,628.5	0.00	0.00	0.00
8,500.0	90.00	89.58	7,450.0	366.4	1,725.9	1,728.5	0.00	0.00	0.00
8,600.0	90.00	89.58	7,450.0	367.1	1,825.9	1,828.5	0.00	0.00	0.00
8,700.0	90.00	89.58	7,450.0	367.9	1,925.9	1,928.5	0.00	0.00	0.00
8,800.0	90.00	89.58	7,450.0	368.6	2,025.9	2,028.5	0.00	0.00	0.00
8,900.0	90.00	89.58	7,450.0	369.3	2,125.9	2,128.5	0.00	0.00	0.00
9,000.0	90.00	89.58	7,450.0	370.1	2,225.9	2,228.5	0.00	0.00	0.00
9,100.0	90.00	89.58	7,450.0	370.8	2,325.9	2,328.5	0.00	0.00	0.00
9,200.0	90.00	89.58	7,450.0	371.5	2,425.9	2,428.5	0.00	0.00	0.00
9,300.0	90.00	89.58	7,450.0	372.3	2,525.9	2,528.5	0.00	0.00	0.00
9,400.0	90.00	89.58	7,450.0	373.0	2,625.9	2,628.5	0.00	0.00	0.00
9,500.0	90.00	89.58	7,450.0	373.7	2,725.9	2,728.5	0.00	0.00	0.00
9,600.0	90.00	89.58	7,450.0	374.5	2,825.9	2,828.5	0.00	0.00	0.00
9,700.0	90.00	89.58	7,450.0	375.2	2,925.9	2,928.5	0.00	0.00	0.00
9,800.0	90.00	89.58	7,450.0	375.9	3,025.9	3,028.5	0.00	0.00	0.00
9,900.0	90.00	89.58	7,450.0	376.7	3,125.9	3,128.5	0.00	0.00	0.00
10,000.0	90.00	89.58	7,450.0	377.4	3,225.9	3,228.5	0.00	0.00	0.00
10,100.0	90.00	89.58	7,450.0	378.1	3,325.9	3,328.5	0.00	0.00	0.00
10,200.0	90.00	89.58	7,450.0	378.9	3,425.9	3,428.5	0.00	0.00	0.00
10,300.0	90.00	89.58	7,450.0	379.6	3,525.9	3,528.5	0.00	0.00	0.00
10,368.1	90.00	89.58	7,450.0	380.1	3,594.0	3,596.6	0.00	0.00	0.00
BPP1 - Mama Jo 3531 Fed Com #119H									
10,400.0	90.00	89.58	7,450.0	380.3	3,625.9	3,628.5	0.00	0.00	0.00
10,500.0	90.00	89.58	7,450.0	381.1	3,725.9	3,728.5	0.00	0.00	0.00
10,600.0	90.00	89.58	7,450.0	381.8	3,825.8	3,828.5	0.00	0.00	0.00
10,700.0	90.00	89.58	7,450.0	382.5	3,925.8	3,928.5	0.00	0.00	0.00
10,800.0	90.00	89.58	7,450.0	383.3	4,025.8	4,028.5	0.00	0.00	0.00
10,900.0	90.00	89.58	7,450.0	384.0	4,125.8	4,128.5	0.00	0.00	0.00
11,000.0	90.00	89.58	7,450.0	384.7	4,225.8	4,228.5	0.00	0.00	0.00
11,100.0	90.00	89.58	7,450.0	385.5	4,325.8	4,328.5	0.00	0.00	0.00
11,200.0	90.00	89.58	7,450.0	386.2	4,425.8	4,428.5	0.00	0.00	0.00
11,300.0	90.00	89.58	7,450.0	386.9	4,525.8	4,528.5	0.00	0.00	0.00
11,400.0	90.00	89.58	7,450.0	387.7	4,625.8	4,628.5	0.00	0.00	0.00
11,500.0	90.00	89.58	7,450.0	388.4	4,725.8	4,728.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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)	
11,600.0	90.00	89.58	7,450.0	389.1	4,825.8	4,828.5	0.00	0.00	0.00	
11,700.0	90.00	89.58	7,450.0	389.9	4,925.8	4,928.5	0.00	0.00	0.00	
11,800.0	90.00	89.58	7,450.0	390.6	5,025.8	5,028.5	0.00	0.00	0.00	
11,900.0	90.00	89.58	7,450.0	391.3	5,125.8	5,128.5	0.00	0.00	0.00	
12,000.0	90.00	89.58	7,450.0	392.1	5,225.8	5,228.5	0.00	0.00	0.00	
12,100.0	90.00	89.58	7,450.0	392.8	5,325.8	5,328.5	0.00	0.00	0.00	
12,200.0	90.00	89.58	7,450.0	393.5	5,425.8	5,428.5	0.00	0.00	0.00	
12,300.0	90.00	89.58	7,450.0	394.3	5,525.8	5,528.5	0.00	0.00	0.00	
12,312.0	90.00	89.58	7,450.0	394.3	5,537.8	5,540.5	0.00	0.00	0.00	
Start DLS 8.57 TFO 90.00										
12,312.2	90.00	89.58	7,450.0	394.4	5,538.0	5,540.7	0.00	0.00	0.00	
DP1 - Mama Jo 3531 Fed Com #119H										
12,400.0	90.00	97.12	7,450.0	389.2	5,625.6	5,628.2	8.59	0.00	8.59	
12,500.0	90.00	105.69	7,450.0	369.5	5,723.5	5,726.0	8.57	0.00	8.57	
12,600.0	90.00	114.26	7,450.0	335.3	5,817.4	5,819.7	8.57	0.00	8.57	
12,700.0	90.00	122.83	7,450.0	287.6	5,905.2	5,907.1	8.57	0.00	8.57	
12,800.0	90.00	131.41	7,450.0	227.3	5,984.8	5,986.3	8.57	0.00	8.57	
12,891.3	90.00	139.24	7,450.0	162.4	6,049.0	6,050.0	8.57	0.00	8.57	
NPZ1 - Mama Jo 3531 Fed Com #119H										
12,900.0	90.00	139.98	7,450.0	155.8	6,054.6	6,055.6	8.57	0.00	8.57	
13,000.0	90.00	148.55	7,450.0	74.7	6,113.0	6,113.4	8.57	0.00	8.57	
13,100.0	90.00	157.12	7,450.0	-14.2	6,158.6	6,158.3	8.57	0.00	8.57	
13,200.0	90.00	165.69	7,450.0	-108.9	6,190.4	6,189.5	8.57	0.00	8.57	
13,300.0	90.00	174.27	7,450.0	-207.3	6,207.8	6,206.2	8.57	0.00	8.57	
13,346.7	90.00	178.27	7,450.0	-253.8	6,210.9	6,208.9	8.57	0.00	8.57	
Start DLS 8.86 TFO 90.00 - Apex - Mama Jo 3531 Fed Com #119H										
13,400.0	90.00	182.99	7,450.0	-307.1	6,210.3	6,207.9	8.86	0.00	8.86	
13,500.0	90.00	191.86	7,450.0	-406.2	6,197.4	6,194.3	8.86	0.00	8.86	
13,600.0	90.00	200.72	7,450.0	-502.1	6,169.4	6,165.6	8.86	0.00	8.86	
13,700.0	90.00	209.58	7,450.0	-592.5	6,126.9	6,122.5	8.86	0.00	8.86	
13,800.0	90.00	218.45	7,450.0	-675.3	6,071.0	6,066.0	8.86	0.00	8.86	
13,806.4	90.00	219.01	7,450.0	-680.3	6,067.0	6,062.0	8.86	0.00	8.86	
NPZ2 - Mama Jo 3531 Fed Com #119H										
13,900.0	90.00	227.31	7,450.0	-748.5	6,003.0	5,997.5	8.86	0.00	8.86	
14,000.0	90.00	236.17	7,450.0	-810.4	5,924.6	5,918.6	8.86	0.00	8.86	
14,100.0	90.00	245.03	7,450.0	-859.4	5,837.6	5,831.3	8.86	0.00	8.86	
14,200.0	90.00	253.90	7,450.0	-894.5	5,744.0	5,737.5	8.86	0.00	8.86	
14,300.0	90.00	262.76	7,450.0	-914.7	5,646.2	5,639.5	8.86	0.00	8.86	
14,381.5	90.00	269.99	7,450.0	-919.8	5,564.9	5,558.1	8.86	0.00	8.86	
Start DLS 3.50 TFO 90.01 - DP2 - Mama Jo 3531 Fed Com #119H										
14,400.0	90.00	270.63	7,450.0	-919.7	5,546.4	5,539.7	3.50	0.00	3.50	
14,500.0	90.00	274.13	7,450.0	-915.6	5,446.5	5,439.8	3.50	0.00	3.50	
14,600.0	90.00	277.63	7,450.0	-905.3	5,347.0	5,340.4	3.50	0.00	3.50	
14,700.0	90.00	281.13	7,450.0	-889.0	5,248.4	5,241.9	3.50	0.00	3.50	
14,800.0	90.00	284.63	7,450.0	-866.7	5,150.9	5,144.6	3.50	0.00	3.50	
14,900.0	90.00	288.13	7,450.0	-838.5	5,055.0	5,048.9	3.50	0.00	3.50	
15,000.0	90.00	291.63	7,450.0	-804.5	4,961.0	4,955.1	3.50	0.00	3.50	
15,081.9	90.00	294.50	7,450.0	-772.4	4,885.6	4,880.0	3.50	0.00	3.50	
Start Turn -2.50										
15,100.0	90.00	294.05	7,450.0	-765.0	4,869.1	4,863.5	2.50	0.00	-2.50	
15,200.0	90.00	291.55	7,450.0	-726.3	4,776.9	4,771.6	2.50	0.00	-2.50	
15,300.0	90.00	289.05	7,450.0	-691.6	4,683.2	4,678.1	2.50	0.00	-2.50	
15,400.0	90.00	286.55	7,450.0	-661.0	4,588.0	4,583.1	2.50	0.00	-2.50	

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	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)
15,500.0	90.00	284.05	7,450.0	-634.6	4,491.5	4,486.9	2.50	0.00	-2.50
15,600.0	90.00	281.55	7,450.0	-612.5	4,394.0	4,389.5	2.50	0.00	-2.50
15,700.0	90.00	279.05	7,450.0	-594.6	4,295.6	4,291.3	2.50	0.00	-2.50
15,800.0	90.00	276.55	7,450.0	-581.0	4,196.5	4,192.3	2.50	0.00	-2.50
15,900.0	90.00	274.05	7,450.0	-571.8	4,097.0	4,092.8	2.50	0.00	-2.50
16,000.0	90.00	271.55	7,450.0	-566.9	3,997.1	3,993.0	2.50	0.00	-2.50
16,100.0	90.00	269.05	7,450.0	-566.4	3,897.1	3,893.0	2.50	0.00	-2.50
16,200.0	90.00	266.55	7,450.0	-570.2	3,797.2	3,793.0	2.50	0.00	-2.50
16,300.0	90.00	264.05	7,450.0	-578.4	3,697.5	3,693.3	2.50	0.00	-2.50
16,344.8	90.00	262.93	7,450.0	-583.5	3,653.0	3,648.7	2.50	0.00	-2.50
BPP2 - Mama Jo 3531 Fed Com #119H									
16,400.0	90.00	261.55	7,450.0	-591.0	3,598.3	3,594.0	2.50	0.00	-2.50
16,500.0	90.00	259.05	7,450.0	-607.8	3,499.8	3,495.3	2.50	0.00	-2.50
16,600.0	90.00	256.55	7,450.0	-629.0	3,402.0	3,397.5	2.50	0.00	-2.50
16,661.9	90.00	255.00	7,450.0	-644.2	3,342.0	3,337.3	2.50	0.00	-2.50
Start 820.0 hold at 16661.9 MD									
16,700.0	90.00	255.00	7,450.0	-654.0	3,305.2	3,300.5	0.00	0.00	0.00
16,800.0	90.00	255.00	7,450.0	-679.9	3,208.7	3,203.7	0.00	0.00	0.00
16,900.0	90.00	255.00	7,450.0	-705.8	3,112.1	3,106.9	0.00	0.00	0.00
17,000.0	90.00	255.00	7,450.0	-731.7	3,015.5	3,010.2	0.00	0.00	0.00
17,100.0	90.00	255.00	7,450.0	-757.6	2,918.9	2,913.4	0.00	0.00	0.00
17,200.0	90.00	255.00	7,450.0	-783.4	2,822.3	2,816.6	0.00	0.00	0.00
17,300.0	90.00	255.00	7,450.0	-809.3	2,725.7	2,719.8	0.00	0.00	0.00
17,400.0	90.00	255.00	7,450.0	-835.2	2,629.1	2,623.1	0.00	0.00	0.00
17,481.9	90.00	255.00	7,450.0	-856.4	2,550.0	2,543.8	0.00	0.00	0.00
Start DLS 2.00 TFO 90.00									
17,500.0	90.00	255.36	7,450.0	-861.0	2,532.5	2,526.3	2.00	0.00	2.00
17,600.0	90.00	257.36	7,450.0	-884.6	2,435.3	2,428.9	2.00	0.00	2.00
17,700.0	90.00	259.36	7,450.0	-904.8	2,337.4	2,330.8	2.00	0.00	2.00
17,800.0	90.00	261.36	7,450.0	-921.5	2,238.8	2,232.1	2.00	0.00	2.00
17,900.0	90.00	263.36	7,450.0	-934.8	2,139.7	2,132.9	2.00	0.00	2.00
18,000.0	90.00	265.36	7,450.0	-944.6	2,040.2	2,033.4	2.00	0.00	2.00
18,100.0	90.00	267.36	7,450.0	-951.0	1,940.4	1,933.5	2.00	0.00	2.00
18,200.0	90.00	269.36	7,450.0	-953.9	1,840.4	1,833.6	2.00	0.00	2.00
18,208.9	90.00	269.54	7,450.0	-953.9	1,831.6	1,824.7	2.00	0.00	2.00
Start 733.7 hold at 18208.9 MD									
18,300.0	90.00	269.54	7,450.0	-954.7	1,740.4	1,733.6	0.00	0.00	0.00
18,400.0	90.00	269.54	7,450.0	-955.5	1,640.4	1,633.6	0.00	0.00	0.00
18,500.0	90.00	269.54	7,450.0	-956.3	1,540.4	1,533.6	0.00	0.00	0.00
18,600.0	90.00	269.54	7,450.0	-957.1	1,440.4	1,433.6	0.00	0.00	0.00
18,700.0	90.00	269.54	7,450.0	-957.9	1,340.4	1,333.6	0.00	0.00	0.00
18,800.0	90.00	269.54	7,450.0	-958.7	1,240.4	1,233.6	0.00	0.00	0.00
18,900.0	90.00	269.54	7,450.0	-959.5	1,140.5	1,133.6	0.00	0.00	0.00
18,942.6	90.00	269.54	7,450.0	-959.8	1,097.9	1,091.0	0.00	0.00	0.00
TD at 18942.6 - BHL - Mama Jo 3531 Fed Com #119H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP - Mama Jo 3531 Fe - plan hits target center - Point	0.00	0.00	6,877.0	357.2	464.9	489,842.00	584,690.00	32° 20' 47.016 N	104° 3' 32.759 W
FPP - Mama Jo 3531 Fe - plan hits target center - Point	0.00	0.00	7,450.0	361.4	1,039.0	489,846.21	585,264.14	32° 20' 47.043 N	104° 3' 26.066 W
BPP1 - Mama Jo 3531 F - plan hits target center - Point	0.00	0.00	7,450.0	380.1	3,594.0	489,864.94	587,819.14	32° 20' 47.162 N	104° 2' 56.282 W
NPZ1 - Mama Jo 3531 F - plan hits target center - Point	0.00	0.00	7,450.0	162.4	6,049.0	489,647.25	590,274.14	32° 20' 44.942 N	104° 2' 27.671 W
BPP2 - Mama Jo 3531 F - plan hits target center - Point	0.00	0.00	7,450.0	-583.5	3,653.0	488,901.31	587,878.14	32° 20' 37.624 N	104° 2' 55.624 W
BHL - Mama Jo 3531 Fe - plan hits target center - Point	0.00	0.00	7,450.0	-959.8	1,097.9	488,525.00	585,323.00	32° 20' 33.966 N	104° 3' 25.419 W
DP1 - Mama Jo 3531 Fe - plan misses target center by 2.2usft at 12312.0usft MD (7450.0 TVD, 394.3 N, 5537.8 E) - Point	0.00	0.00	7,450.0	392.2	5,537.9	489,877.00	589,763.00	32° 20' 47.230 N	104° 2' 33.621 W
Apex - Mama Jo 3531 F - plan hits target center - Point	0.00	0.00	7,450.0	-253.8	6,210.9	489,231.00	590,436.00	32° 20' 40.819 N	104° 2' 25.797 W
DP2 - Mama Jo 3531 Fe - plan hits target center - Point	0.00	0.00	7,450.0	-919.8	5,564.9	488,565.00	589,790.00	32° 20' 34.245 N	104° 2' 33.348 W
NPZ2 - Mama Jo 3531 F - plan hits target center - Point	0.00	0.00	7,450.0	-680.3	6,067.0	488,804.51	590,292.14	32° 20' 36.602 N	104° 2' 27.488 W

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Mama Jo 3531 Fed Com #119H
Company:	Matador Production Company	TVD Reference:	KB @ 3102.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3102.5usft
Site:	Mama Jo 3531	North Reference:	Grid
Well:	Mama Jo 3531 Fed Com #119H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
86.0	86.0	Z (Rustler)				
472.0	472.0	Z (Salado)				
1,279.0	1,279.0	Z (Castile (T))				
2,743.1	2,737.0	Z (G30:CS14-CSB)				
2,790.4	2,784.0	Z (G26: Bell Cyn.)				
3,572.2	3,560.0	Z (G16: Manzanita)				
3,622.6	3,610.0	Z (G13: Cherry Cyn.)				
4,830.7	4,809.0	Z (G7: Brushy Cyn.)				
6,319.8	6,287.0	Z (G4: BSG (CS9))				
6,761.8	6,727.0	Z (L8.2: U. Avalon Shale)				
6,849.9	6,815.0	Z (L6.3: Avalon Carb)				
6,973.0	6,938.0	Z (L6.2: L. Avalon Shale)				
7,106.6	7,068.0	Z (L5.3: FBSC)				
7,380.4	7,295.0	Z (L5.1: FBSG)				
7,479.1	7,356.0	Z (M. FBSG)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,700.0	1,700.0	0.0	0.0	Start Build 2.00	
2,050.5	2,049.6	13.0	17.0	Start 4394.1 hold at 2050.5 MD	
6,444.6	6,410.8	339.8	442.2	Start Drop -1.50	
6,911.9	6,877.0	357.2	464.9	Start Build 10.00	
7,811.9	7,450.0	361.4	1,037.8	Start 4500.2 hold at 7811.9 MD	
12,312.0	7,450.0	394.3	5,537.8	Start DLS 8.57 TFO 90.00	
13,346.7	7,450.0	-253.8	6,210.9	Start DLS 8.86 TFO 90.00	
14,381.5	7,450.0	-919.8	5,564.9	Start DLS 3.50 TFO 90.01	
15,081.9	7,450.0	-772.4	4,885.6	Start Turn -2.50	
16,661.9	7,450.0	-644.2	3,342.0	Start 820.0 hold at 16661.9 MD	
17,481.9	7,450.0	-856.4	2,550.0	Start DLS 2.00 TFO 90.00	
18,208.9	7,450.0	-953.9	1,831.6	Start 733.7 hold at 18208.9 MD	
18,942.6	7,450.0	-959.8	1,097.9	TD at 18942.6	

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 556925

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 556925
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	3/23/2026