



U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed:

APD ID:	Well Status:
APD Received Date:	Well Name:
Operator:	Well Number:

APD Package Report Contents

- Form 3160-3
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- Application Attachments
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 - Blowout Prevention Choke Diagram Attachment: 3 file(s)
 - Blowout Prevention BOP Diagram Attachment: 1 file(s)
 - Casing Design Assumptions and Worksheet(s): 1 file(s)
 - Hydrogen sulfide drilling operations plan: 1 file(s)
 - Proposed horizontal/directional/multi-lateral plan submission: 7 file(s)
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 - Other Variances: 2 file(s)
- SUPO Report
- SUPO Attachments
 - Existing Road Map: 1 file(s)
 - Attach Well map: 1 file(s)
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 - Well Site Layout Diagram: 1 file(s)
 - Recontouring attachment: 1 file(s)
- PWD Report
- PWD Attachments
 - None
- Bond Report
- Bond Attachments

-- None

Form 3160-3
(October 2024)FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address	3b. Phone No. (include area code)	9. API Well No. 30-025-55920
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)		12. County or Parish
16. No of acres in lease		13. State
17. Spacing Unit dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.		
19. Proposed Depth		
20. BLM/BIA Bond No. in file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		
22. Approximate date work will start*		23. Estimated duration
24. Attachments		

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

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

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 04/29/2025

INSTRUCTIONS

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

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

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

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

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

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

ITEM 24: 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 regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

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

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

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

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

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

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

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

Additional Operator Remarks

Location of Well

0. SHL: SESW / 1267 FSL / 2305 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257425 / LONG: -103.629413 (TVD: 0 feet, MD: 0 feet)
PPP: SWSW / 100 FSL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254204 / LONG: -103.633146 (TVD: 10129 feet, MD: 10310 feet)
PPP: SWNW / 2642 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.275713 / LONG: -103.62216 (TVD: 10730 feet, MD: 18471 feet)
PPP: NWSW / 0 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268445 / LONG: -103.633155 (TVD: 10730 feet, MD: 15827 feet)
BHL: NWNW / 100 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.282698 / LONG: -103.633135 (TVD: 10730 feet, MD: 21013 feet)

BLM Point of Contact

Name: JANET D ESTES
Title: ADJUDICATOR
Phone: (575) 234-6233
Email: JESTES@BLM.GOV

CONFIDENTIAL

Triste Draw 36-25 FEDERAL COM 211H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.
- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.
- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Be aware that:

- H2S has been reported within one mile of the proposed project. Unrecorded measurements up to were recorded from an unreported formation, most likely the Delaware Group.

Questions? Contact Thomas Evans, BLM Geologist at 575-234-5965 or tvevans@blm.gov

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Cimarex Energy Company ▼
LOCATION:	Section 36, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico ▼

WELL NAME & NO.:	Triste Draw 36-25 Federal Com 211H
ATS/API ID:	ATS-24-424
APD ID:	10400095773
Sundry ID:	N/a

COA

H2S	Yes ▼		
Potash	▼	None ▼	
Cave/Karst Potential	Low ▼		
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	Conventional and Multibowl ▼		
Other	☐ 4 String ☐ 5 String	Capitan Reef None ▼	☐ WIPP
Other	Pilot Hole None ▼	☐ Open Annulus	
Cementing	Contingency Squeeze None ▼	Echo-Meter None ▼	Primary Cement Squeeze None ▼
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention None ▼	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1288 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - 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 pounds 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.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - 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 or potash.
 - ❖ In Ochoa Potash 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. The minimum required fill of cement behind the **7** inch production casing is:
 - Cement should tie-back at least **500 feet** into the previous casing string. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.

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.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9-5/8 inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch 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.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

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.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- 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)

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - 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.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 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 dog house or stairway area.

A. CASING

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

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
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:
 - 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. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. 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.
 - a. 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).
 - b. 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.)

- c. 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 part 3170 Subpart 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).
- d. 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.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. 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.
- g. 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.
- h. 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 part 3170 Subpart 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.

Long Vo (LVO) 4/25/2025



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

Operator Certification Data Report

11/12/2025

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: SHELLY BOWEN

Signed on: 11/20/2023

Title: Regulatory Analyst

Street Address: 6001 DEAUVILLE BLVD STE 300N

City: MIDLAND

State: TX

Zip: 79706

Phone: (432)620-1644

Email address: DL_PBUREGULATORY@COTERRA.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:



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

Application Data

11/12/2025

APD ID: 10400095773

Submission Date: 11/20/2023

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Section 1 - General

APD ID: 10400095773

Tie to previous NOS? N

Submission Date: 11/20/2023

BLM Office: Carlsbad

User: SHELLY BOWEN

Title: Regulatory Analyst

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMLC063228

Lease Acres:

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? YES

Federal or Indian agreement: FEDERAL

Agreement number: NMNM138463

Agreement name: TRISTE DRAW 25 FED COM 8,9,10.

Keep application confidential? Y

Permitting Agent? NO

APD Operator: CIMAREX ENERGY COMPANY

Operator letter of

Operator Info

Operator Organization Name: CIMAREX ENERGY COMPANY

Operator Address: 6001 DEAUVILLE BLVD STE 300N

Zip: 79706

Operator PO Box:

Operator City: MIDLAND

State: TX

Operator Phone: (303)295-3995

Operator Internet Address: hknaults@cimarex.com

Section 2 - Well Information

Well in Master Development Plan? NO

Master Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: TRISTE DRAW

Pool Name: BONE SPRING

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Is the proposed well in an area containing other mineral resources?** NATURAL GAS,OIL**Is the proposed well in a Helium production area?** N**Use Existing Well Pad?** N**New surface disturbance?****Type of Well Pad:** MULTIPLE WELL**Multiple Well Pad Name:** Triste Draw**Number:** 36-25 Federal Com**Well Class:** HORIZONTAL**Number of Legs:** 1**Well Work Type:** Drill**Well Type:** OIL WELL**Describe Well Type:****Well sub-Type:** INFILL**Describe sub-type:****Distance to town:** 27 Miles**Distance to nearest well:** 20 FT**Distance to lease line:** 0 FT**Reservoir well spacing assigned acres Measurement:** 640 Acres**Well plat:** Triste_Draw_36_25_211H_C102_20231113082614.pdf**Well work start Date:** 09/01/2024**Duration:** 30 DAYS**Section 3 - Well Location Table****Survey Type:** RECTANGULAR**Describe Survey Type:****Datum:** NAD83**Vertical Datum:** NAVD88**Survey number:****Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	1267	FSL	2305	FWL	23S	32E	36	Aliquot SESW	32.257425	-103.629413	LEA	NEW MEXICO	NEW MEXICO	S	STATE	3658			N
KOP Leg #1	100	FSL	1150	FWL	23S	32E	36	Aliquot SWSW	32.254204	-103.633146	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-6471	10310	10129	N
PPP Leg #1-1	100	FSL	1150	FWL	23S	32E	36	Aliquot SWSW	32.254204	-103.633146	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-6471	10310	10129	N

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-2	0	FNL	1150	FWL	23S	32E	36	Aliquot NWSW	32.268445	- 103.633155	LEA	NEW MEXICO	NEW MEXICO	F	NMLC063228	- 7072	15827	10730	N
PPP Leg #1-3	2642	FNL	1150	FWL	23S	32E	36	Aliquot SWNW	32.275713	- 103.62216	LEA	NEW MEXICO	NEW MEXICO	S	STATE	- 7072	18471	10730	N
EXIT Leg #1	100	FNL	1150	FWL	23S	32E	25	Aliquot NWNW	32.282698	- 103.633135	LEA	NEW MEXICO	NEW MEXICO	F	NMNM86154	- 7072	21013	10730	Y
BHL Leg #1	100	FNL	1150	FWL	23S	32E	25	Aliquot NWNW	32.282698	- 103.633135	LEA	NEW MEXICO	NEW MEXICO	F	NMNM86154	- 7072	21013	10730	Y

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

New form C-102 included later as part of attached Change of Plans

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96603	³ Pool Name Triste Draw; Bone Spring
⁴ Property Code	⁵ Property Name TRISTE DRAW 36-25 FEDERAL COM	⁶ Well Number 211H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3658.2'

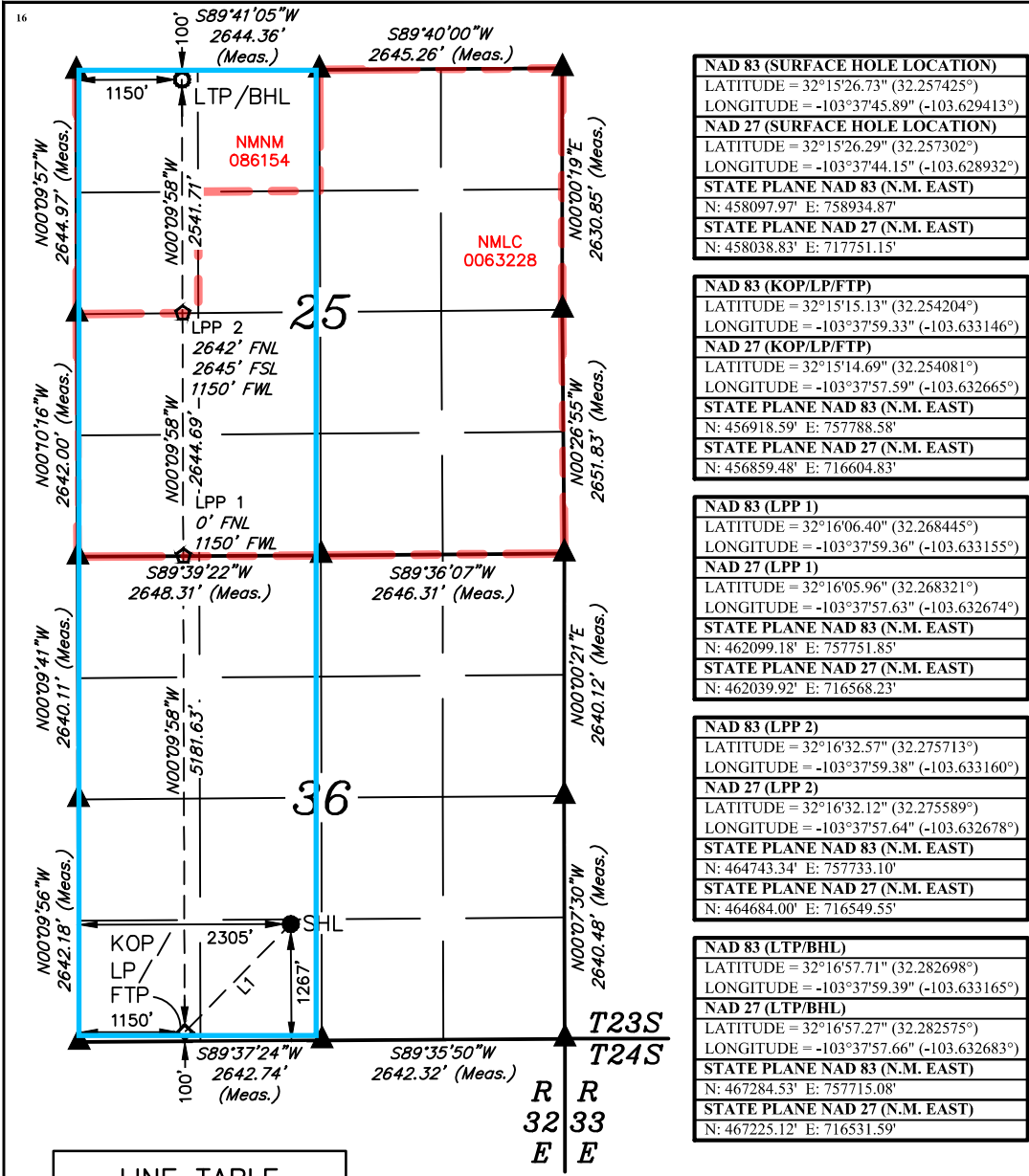
¹⁰ Surface Location

UL or lot no. N	Section 36	Township 23S	Range 32E	Lot Idn	Feet from the 1267	North/South line SOUTH	Feet from the 2305	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	---------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. D	Section 25	Township 23S	Range 32E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 1150	East/West line WEST	County LEA
¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Shelly Bowen 09/23/23
Signature Date
Shelly Bowen
Printed Name
shelly.bowen@coterra.com
E-mail Address

¹⁸ SURVEYOR
CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

September 15, 2023
Date of Survey
Signature and Seal of Professional Surveyor:



Certificate Number:



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

Drilling Plan Data Report

11/12/2025

APD ID: 10400095773

Submission Date: 11/20/2023

Highlighted data
reflects the most
recent changes

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
15523365	RUSTLER	0	1238	1238	ANHYDRITE	USEABLE WATER	N
15523366	TOP SALT	-1731	1731	1731	HALITE	NONE	N
15523364	LAMAR	-5036	5036	5036	SANDSTONE	NONE	N
15523367	BASE OF SALT	-5036	5036	5103	LIMESTONE	NONE	N
15523368	BELL CANYON	-5087	5087	5156	SANDSTONE	NATURAL GAS, OIL	Y
15523369	CHERRY CANYON	-5940	5940	6033	SANDSTONE	NATURAL GAS	Y
15523370	BRUSHY CANYON	-8633	8633	8803	SANDSTONE	NATURAL GAS, OIL	Y
15523371	BONE SPRING LIME	-8850	8850	9025	LIMESTONE	NONE	N
15523372	AVALON SAND	-9033	9033	9211	SHALE	NATURAL GAS, OIL	Y
15523373	BONE SPRING 1ST	-10050	10050	10230	SANDSTONE	NATURAL GAS, OIL	Y
15523374	BONE SPRING 2ND	-10592	10592	10847	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 21014

Equipment: A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.

Requesting Variance? YES

Variance request: See attached.

Testing Procedure: A multi-bowl wellhead will be utilized and will be tested per 43 CFR 3172 after the installation on the surface casing. The testing interval shall be for 30 days. Whenever any seal subject to

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

pressure is broken, a full BOPE test shall be performed.

Choke Diagram Attachment:

- COTERRA_MBU_3T_CFL_20_X_13.38_X_9.58_X_7_X_4.5_20240613142849.pdf
- 10M_BOPE_BLM_SUBMISSION_REV.0_20250415115042.pdf
- COTERRA_10K_PROD_TREE_20250415115208.pdf

BOP Diagram Attachment:

- 10M_BOP_DIAGRAM_20250415115226.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	1288	0	1288	3658	2370	1288	H-40	48	ST&C	1.33	3.1	DRY	5.21	DRY	5.21
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5136	0	5067	3658	-1409	5136	HCK-55	40	LT&C	1.45	1.5	DRY	2.77	DRY	2.77
3	PRODUCTION	8.75	7.0	NEW	API	N	0	11060	0	10683	3658	-7025	11060	P-110	29	BUTT	1.71	2.24	DRY	85.88	DRY	85.88
4	LINER	6	4.5	NEW	API	N	9810	21014	9810	10730	-6152	-7072	11204	P-110	11.6	BUTT	1.51	2.13	DRY	34.39	DRY	34.39

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Casing Attachments****Casing ID:** 2 **String** INTERMEDIATE**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):**

211H_Casing_Assumptions_20250415121150.pdf

Casing ID: 3 **String** PRODUCTION**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):****Casing ID:** 4 **String** LINER**Inspection Document:****Spec Document:****Tapered String Spec:****Casing Design Assumptions and Worksheet(s):****Section 4 - Cement**

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
LINER	Lead		0	0	0	0	0	0	0	0	0
LINER	Tail		1096 0	2101 4	739	1.3	14.2	960	10	50:50 (Poz:H)	Salt, Bentonite, Fluid Loss, Dispersant, SMS
SURFACE	Lead		0	988	624	1.72	13.5	1073	45	Class C	Bentonite
SURFACE	Tail		988	1288	168	1.34	14.8	225	45	Class C	LCM
INTERMEDIATE	Lead		0	4836	970	1.88	12.9	1824	51	36:65 (Poz c)	Salt, Bentonite
INTERMEDIATE	Tail		4836	5136	292	1.34	14.8	391	51	Class C	Bentonite
PRODUCTION	Lead		4936	1006 0	330	3.64	10.3	1201	25	Tuned Light	LCM
PRODUCTION	Tail		1006 0	1106 0	125	1.36	14.8	170	25	Class C	Retarder

Section 5 - Circulating Medium

Mud System Type: Closed**Will an air or gas system be Used?** NO**Description of the equipment for the circulating system in accordance with 43 CFR 3172:****Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:**

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
-----------	--------------	----------	----------------------	----------------------	---------------------	-----------------------------	----	----------------	----------------	-----------------	----------------------------

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	1288	OTHER : Fresh water	7.83	8.33							
1288	5136	OTHER : Brine water	9.5	10							
5136	11060	OTHER : Cut brine or OBM	8.5	9							
11416	21014	OIL-BASED MUD	8.5	9							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

Logs will be run on the 351H.

List of open and cased hole logs run in the well:

DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5021

Anticipated Surface Pressure: 2660

Anticipated Bottom Hole Temperature(F): 176

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geohazards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20250415122307.pdf

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

211H_AC_Summary_20231115140926.pdf

211H_Well_Plan_20231115140936.pdf

211H_Directional_20231120131640.pdf

GEOPROG_Triste_Draw_36_25_Fed_Com_211H_Upper_2nd_Sand_JAB_20231120131647.pdf

WELL_CONTROL_PLAN_REV.0_20240613144218.pdf

211H_Directional_100_20240613144344.pdf

211H_Drilling_Plan_20250415122356.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Triste_Draw_36_25_Federal_Com_211H_Natural_Gas_Plan_Cimarex_20231115135329.pdf

Triste_Draw_36_25_Federal_Com_Location_Layout_Plat_20231115135509.pdf

Triste_Draw_36_25_Federal_Com_Well_Site_Layout_20231115135509.pdf

Other Variance request(s)?: Y

Other Variance attachment:

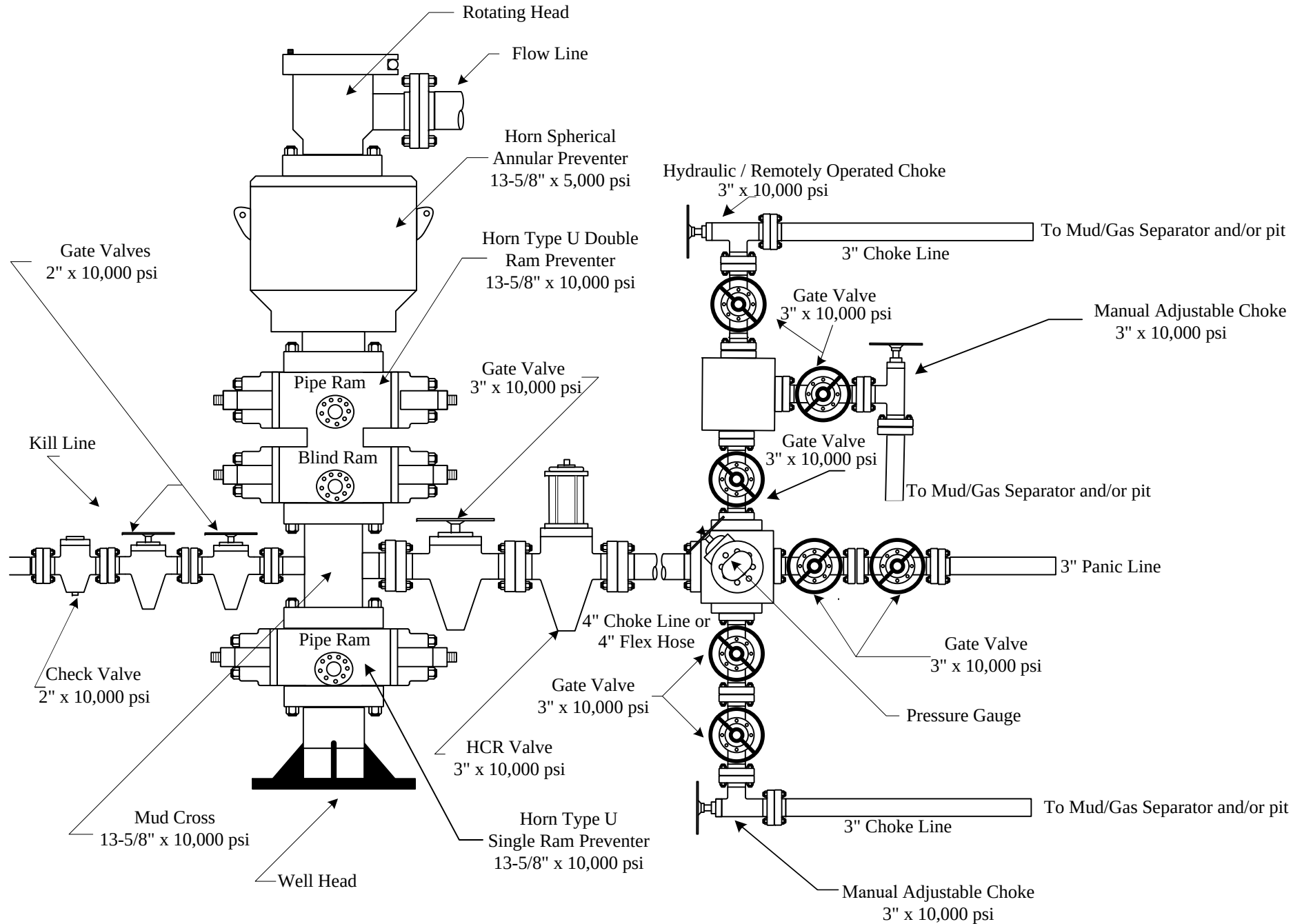
NEW_MEXICO_STANDARD_VARIANCES_REV.1_Big_Iron_20240613144407.pdf

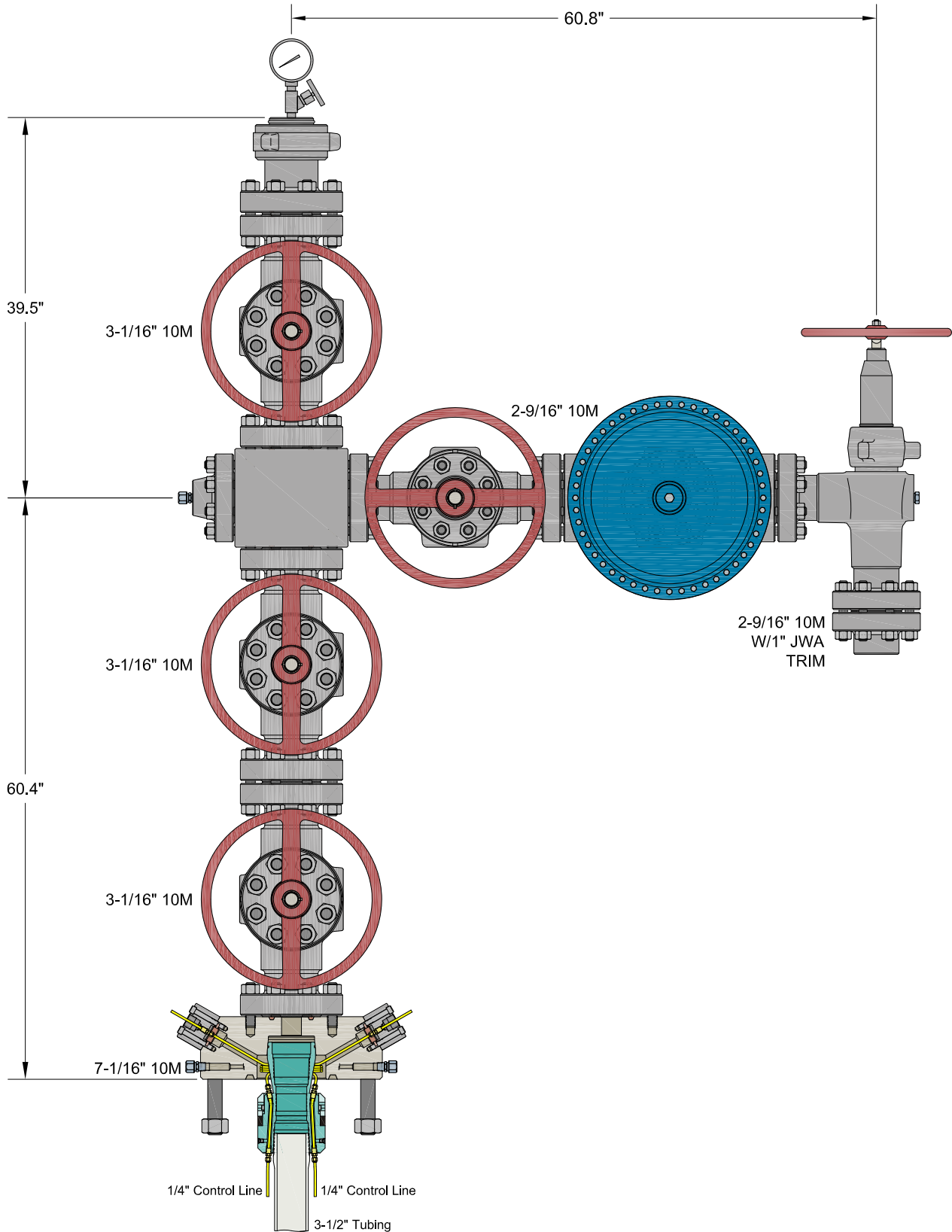
CHOKE_HOSE_M15486_20250415122418.pdf



CIMAREX
HOBBS, NM

DRAWN	VJK	01FEB24
APPRV		
DRAWING NO. HBE0001053		





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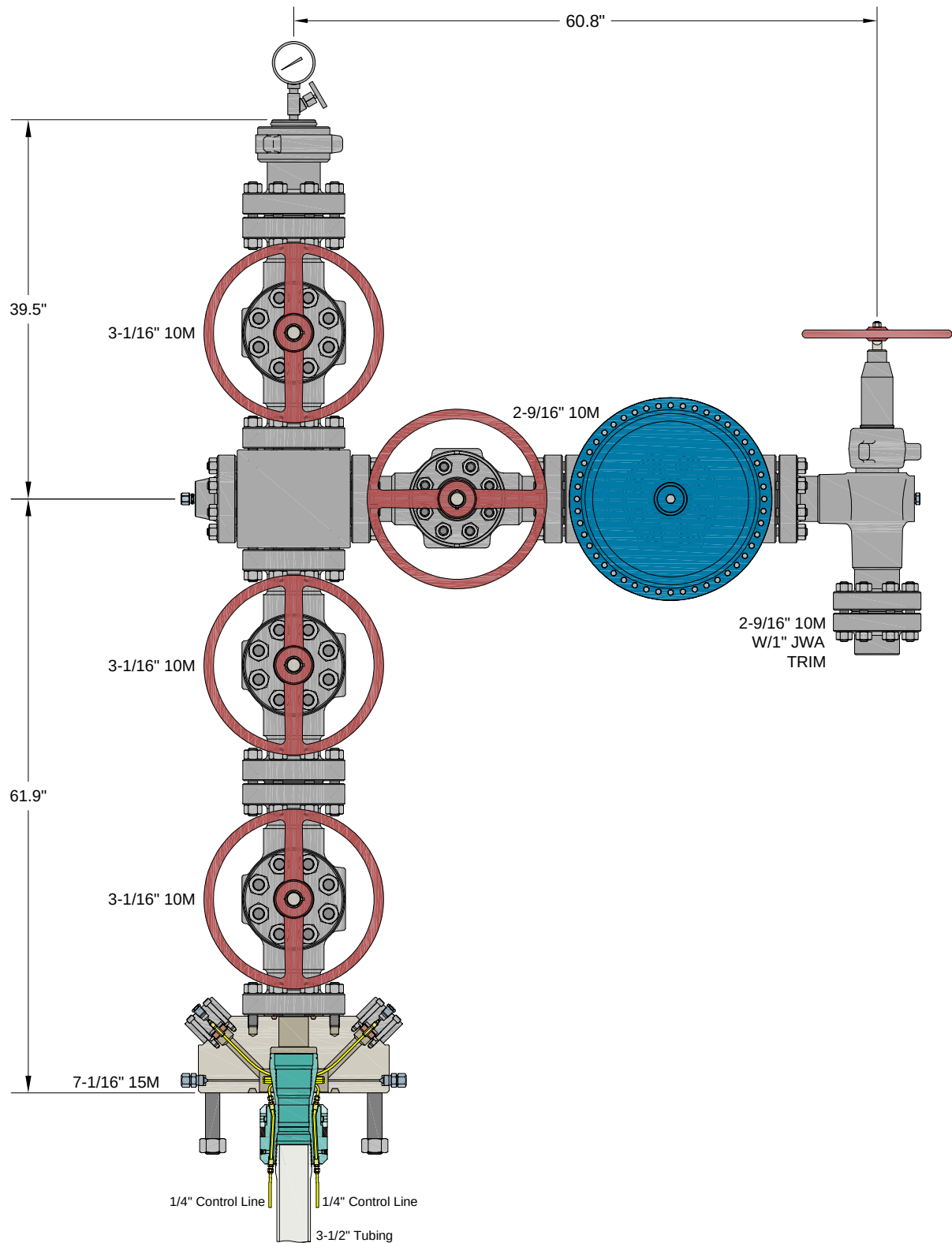
ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 10M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	05SEP23
APPRV		
DRAWING NO.	HBE0001018	



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	13DEC23
APPRV		
DRAWING NO.	HBE0001018	

**Cactus****Quotation****Quote Number : HBE0001018**

Hobbs, NM
 4120 W Carlsbad Hwy
 Hobbs NM 88240
 Phone: 817-682-8336

Date: 09/08/2023

Valid For 30 Days

Page 1 of 5**Bill To:** 7050

CIMAREX
 ATTN: DAVID SHAW
 202 S CHEYENNE AVENUE SUITE 1000
 TULSA OK 74103
 US

Ship To: 1016

2023 PRICING REVIEW
 202 S Cheyenne Ave Ste 1000
 Tulsa OK 74103-3001
 US

	Quantity	Price	Ext Price
--	----------	-------	-----------

CIMAREX

HOBBS, NM

PRODUCTION TREE ASSEMBLY
 7-1/16" 10M X 3-1/16" 10M X 2-9/16" 10M
 OPTIONAL 15M ADAPTER

QUOTATION SUMMARY:

- PRODUCTION TREE ASSEMBLY - \$49,338.02

CACTUS CONTACT:

RILEY STAFFORD / MIKE SPINKS

OFFICE: 405.708.7217 (RILEY) / 713.396.5762 (MIKE)

MOBILE: 405.445.2222 (RILEY) / 832.691.7724 (MIKE)

EMAIL: riley.stafford@cactuswellhead.com / mike.spinks@cactuswellhead.com

DUE TO VOLATILITY IN THE STEEL MARKET, PRICING FOR ITEMS MADE FROM NICKEL ALLOYS (EX. 410SS, 17-4PHSS, INCONEL, ETC.) WILL BE VALID FOR TWO WEEKS. CW WILL REVIEW AND ADJUST, IF NECESSARY, AT ORDER PLACEMENT.

PREMIUM THREADED CASING HANGERS/RUNNING TOOLS & CUSTOMER SPECIFIC EQUIPMENT ARE NON-CANCELABLE AND MAY REQUIRE A PURCHASE ORDER (PO) PRIOR TO MANUFACTURING.

SUPPLY CHAIN PRICING IS BASED UPON A 135 DAY DELIVERY ARO. EXPEDITED PRICING CAN BE PROVIDED UPON REQUEST. PRICES ARE F.O.B. CACTUS BOSSIER CITY, LA. THE FOLLOWING QUOTATION DOES NOT INCLUDE APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.

**Cactus****Quotation****Quote Number : HBE0001018**

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Date: 09/08/2023

Valid For 30 Days

Page 2 of 5

		Quantity	Price	Ext Price
PRODUCTION TREE ASSEMBLY				
1	124314P2 ADPT,TBGHD,CW,T40-CCL,7-1/16 10M STD X 3-1/16 10M STD,W/TWO #14 DHCV W/1/4 LP INLETS,10000 PSI MAX WP,TEMP PU,MATL EE,PSL2,PR2	1.00	4,830.00	4,830.00
2	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
3	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
4	128365 CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3	1.00	2,650.00	2,650.00
5	120242MV VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)	1.00	4,343.00	4,343.00
6	142800 TREETCAP,NEWAY,BHTA,B15A,3-1/16 10M X 3-1/2 EU ILT,W/1/2 NPT & 3.06 MIN BORE,MONOGRAMMED,TEMP PU,MATL EE,PSL2	1.00	1,270.00	1,270.00
7	BX154 RING GASKET,BX154,3-1/16 10/15/20M	5.00	10.44	52.20
8	780077-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-8UNC X 7,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	16.00	19.83	317.28
9	132879 FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3	1.00	495.00	495.00
10	100048 FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING	1.00	59.74	59.74
11	115900MV VLV,CW,SB100,2-9/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL2 PR2) QPQ TRIM, API 6A PR2 ANNEX F (BORE VENT HOLE)	1.00	3,285.00	3,285.00
12	128567 VLV/ACT,OMNI,FS-R,2-9/16 10M FE EE HF C/W MODEL DX-18 DIAPHRAGM PNEUMATIC ACTUATOR, FORGED BODY, REVERSE ACTING SLAB GATE, FLOATING SEATS & DIRECTIONAL FLOW BODY BUSHING (FLOW FROM RIGHT TO LEFT): MAT'L CLASS EE, HARDFACE TRIM, TEMP PU (-20 TO 250 F), PSL-2, PR-2; ACTUATOR: MATERIAL CLASS BB, TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE,ACTUATOR REQUIRES 112 PSI TO OPEN AT FULL 10,000 PSI	1.00	8,292.00	8,292.00
13	130652 CHOKE,ADJ,HOE,H2,2-9/16 10M FE X FE ALLOY BDY,3" NOMINAL,W/ 2" SSTC TRIM,H2S SERVICE,API MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5	1.00	7,500.00	7,500.00
14	120734 FLG,COMP,AOZE,2-9/16 10M X 2-7/8 EU,5000 PSI MAX WP,TEMP LU,PSL3,PR1	1.00	399.00	399.00

**Cactus™****Quotation**

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

Page 3 of 5

		Quantity	Price	Ext Price
15	BX153 RING GASKET,BX153,2-9/16 10/15/20M	5.00	11.54	57.70
16	780067-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING	24.00	14.70	352.80
17	135166 TBGHGR,CW,T40-CCL,7-1/16 X 3-1/2 EU API MOD BOX BTM X 3-1/2 EU BOX TOP,W/3 HBPV THD,W/ TWO 1/4 CCL & DOVETAIL SEAL,CF 124316P2,10000 PSI MAX WP,17-4PH SS,TEMP PU,MATL FF-0,5,PSL2,PR2	1.00	4,490.00	4,490.00
18	BX156 RING GASKET,BX156,7-1/16 10/15/20M	1.00	62.48	62.48
19	NVS NEEDLE VALVE,MFS,1/2 NPT MXF,10M PSI WP,CARBON STEEL BODY, 304/316SS STEM, TFE PACKING (NON-NACE)	1.00	61.16	61.16
20	PG10M PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT	1.00	58.24	58.24
21	PRO Prorata Freight	0.75	2,768.56	2,076.42
				49,338.02

OPTIONAL 15M ADAPTER

22	124999P2 ADPT,TBGHD,CW,T40-CCL,7-1/16 15M STD X 3-1/16 10M STD,W/TWO #14 DHCW W/1/4 NPT INLET,10000 PSI MAX WP,TEMP PU,MATL EE,PSL2,PR2	0.00	7,423.00	0.00
				0.00

INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, DISCLOSURE, OR USE THEREOF IS
PERMITTED ONLY AS PROVIDED BY CONTRACT OR AS EXPRESSLY AUTHORIZED BY CACTUS WELLHEAD, LLC.

For Acceptance of this Quotation
Please Contact Ph: 713-626-8800
sales@cactuswellhead.com

Matl:	47,261.60
Labor:	0.00
Misc:	2,076.42
Sales Tax:	0.00
Total:	49,338.02


Cactus

Quotation

Quote Number : HBE0001018

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Date: 09/08/2023
Valid For 30 Days
Page 4 of 5

CACTUS WELLHEAD, LLC PURCHASE TERMS AND CONDITIONS

1. **ACCEPTANCE:** Acceptance of Cactus Wellhead, LLC (herein: Company) Purchase Terms and Conditions (herein: CACTUS Purchase Terms) shall be deemed effective upon shipment of the Products and/or rendering of Services which are the subject of an order by Customer (defined as the party purchasing CACTUS Products and or Services referred on the invoice). Any proposal made by Customer for additional or different terms and conditions or any attempt by Customer to vary in any degree any of the terms and conditions of CACTUS Purchase Terms is hereby rejected.
2. **PRICING:** Each Product and Service shall be invoiced at (and Customer shall pay) the respective price shown on the reverse side hereof, or if no price is shown on the reverse side hereof, at the price shown in the current price list of Company. In addition, Customer shall pay any and all additional charges for mileage, transportation, freight, packing and other related charges, as well as any federal, state or local tax, excise, or charge applicable on the sale, transportation, or use of Products and Services, unless otherwise specified.
3. **TERMS OF PAYMENT:** Customer agrees to pay Company any and all payments due on or before thirty (30) days from invoice date at the designated address of Company. Amounts unpaid after such thirty (30) day period shall bear interest at the lesser of (i) one and one-half percent (1½%) per month or (ii) the maximum rate allowed by law. Customer shall also pay any and all of Company's attorney's fees and court costs if any amounts hereunder are collected by an attorney or through legal proceedings. Company reserves the right, among other remedies, either to terminate this agreement or to suspend further deliveries upon failure of Customer to make any payment as provided herein.
4. **LIMITED WARRANTY:** COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE MERCHANTABILITY, FITNESS FOR PURPOSE, DESCRIPTION, QUALITY, PRODUCTIVENESS, ACCURACY OR ANY OTHER MATTER WITH RESPECT TO PRODUCTS OR SERVICES, ALL SUCH WARRANTIES BEING HEREBY SPECIFICALLY AND EXPRESSLY DISCLAIMED BY COMPANY. COMPANY MAY OFFER TECHNICAL ADVICE OR ASSISTANCE WITH REGARD TO THE PRODUCTS AND SERVICES BASED ON LABORATORY AND/OR FIELD EXPERIENCE AND CUSTOMER UNDERSTANDS AND AGREES THAT SUCH ADVICE REPRESENTS ONLY GOOD FAITH OPINIONS AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE. THE SOLE AND EXPRESS WARRANTY PROVIDED BY COMPANY IS TO WARRANT THAT THE PRODUCTS SOLD AS LISTED ON THE REVERSE SIDE HEREOF COMPLY WITH COMPANY'S SOLE SPECIFICATION AT THE DATE AND TIME OF MANUFACTURE. COMPANY MAKES NO WARRANTY THAT SUCH PRODUCTS SHALL MEET SUCH SPECIFICATION AT ANY TIME AFTER SHIPMENT OF PRODUCTS. USE OF SUCH PRODUCTS IS SPECIFICALLY NOT WARRANTED.
5. **REMEDY:** The exclusive remedy for this warranty for Products shall be limited to, in Company's sole discretion and judgment, the replacement of defective part(s). F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer), or repair of defective part(s). The exclusive remedy for this warranty for Services shall be limited to the repeat of Services performed F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer). Any such repeat of Services or replacement or repair of Products shall not include any materials not sold by Company hereunder, and specifically excludes any obligation by Company related to other property of the Customer or any property of third parties. Provided, however, Company may in its sole discretion, decide to instead give Customer credit memorandum for the amounts already paid by Customer to Company for such Product or Service. IN ANY EVENT AND NOTWITHSTANDING THE LANGUAGE TO THE CONTRARY HEREIN, CUSTOMER ACKNOWLEDGES THAT ANY CLAIM IT MAY HAVE ARISING OUT OF OR IN CONNECTION WITH ANY ORIGINAL PRODUCTS AND SERVICES, ANY REPLACEMENT PRODUCTS OR REPEAT OF SERVICES AND THESE CACTUS PURCHASE TERMS SHALL BE LIMITED TO AND NOT EXCEED THE AMOUNT CUSTOMER HAS ACTUALLY PAID TO COMPANY FOR SUCH PRODUCTS AND/OR SERVICES PURSUANT HERETO. If Customer fails to make any such claim within thirty (30) days after completion of Service or delivery of Products, Customer hereby waives (to the extent permitted by applicable law) any and all claims it may or does have with respect to such Products and Services. Unless Customer is an authorized reseller of Company, Company's liability in connection with Products and Services shall extend only to Customer. CUSTOMER HEREBY INDEMNIFIES AND HOLDS COMPANY (AND ITS AGENTS, REPRESENTATIVES, OFFICERS DIRECTORS AND EMPLOYEES) HARMLESS FOR ANY LOSS, EXPENSE OR DAMAGE (WHETHER OF CUSTOMER OR OF ANY THIRD PARTY) ARISING FROM OR IN CONNECTION WITH PRODUCTS AND SERVICES, INCLUDING WITHOUT LIMITATION ANY FAILURE OF SUCH PRODUCTS AND SERVICES TO CONFORM TO CUSTOMER'S ORDER OR SPECIFICATION OR ANY OTHER STANDARD, OR ANY NEGLIGENCE OR BREACH OF WARRANTY BY COMPANY WITH RESPECT TO ANYTHING DONE OR FAILED TO HAVE BEEN DONE BY COMPANY, IF AND TO THE EXTENT THAT SUCH LOSS, EXPENSE OR DAMAGE EXCEEDS THE AMOUNT CUSTOMER HAS ACTUALLY PAID COMPANY PURSUANT HERETO FOR SUCH PRODUCTS OR SERVICES.
6. **INSPECTION:** The results of any inspection or testing reported by the Company to Customer represents only good faith opinions and are not to be construed as warranties or guarantees of the quality, classification, merchantability, fitness for purpose, condition, or liability of any equipment or material that has been inspected or tested by the Company.
7. **INSURANCE:** Each party agrees to maintain comprehensive general liability insurance in the amount of \$1,000,000 each occurrence, \$2,000,000 general aggregate, and Workers Compensation insurance per statutory requirements providing coverage for the indemnity obligations in this agreement. The Company (and such of its affiliates as it shall designate) including their officers, directors, members, shareholders, partners, joint ventures, employees, agents and representatives shall be named as additional insureds under the policies of Customer on a primary basis to the extent of its indemnification obligations set forth in these CACTUS Purchase Terms, and the policies shall also provide a waiver of subrogation rights in favor of the Company (and such of its affiliates as it shall designate) and their officers, directors, members, shareholders, employees, agents and representatives. The provisions of this Section 7 shall apply and the obligation to maintain insurance of each party in the coverages and amounts set forth herein shall remain in force regardless and independent of the validity or enforceability of the indemnity provisions of Section 8, below; the obligation to obtain insurance is a separate and independent obligation. If the insurance required herein is more or less than allowed by prevailing law, the indemnity obligations in Section 8 below shall be effective only to the maximum extent permitted under applicable law.
8. **INDEMNIFICATION:** The following indemnifications and releases of liability will apply to any Products or Services provided under this contract. COMPANY AND CUSTOMER EXPRESSLY AGREE THAT, TO THE EXTENT REQUIRED BY APPLICABLE LAW TO BE EFFECTIVE, THE INDEMNITIES AND DISCLAIMERS OF WARRANTIES CONTAINED HEREIN ARE "CONSPICUOUS."
 - A. **Customer Indemnity Obligations.** Customer hereby releases Company from any liability for, and shall protect, defend, indemnify, and hold harmless Company, its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, insurers, and consultants (specifically excluding any member of Customer Group) of all of the foregoing, and its and their respective successors, heirs and assigns ("Company Group") from and against all costs (including the payment of reasonable attorneys' fees), losses, liabilities, demands, causes of action, damages, or claims of every type and character ("Claims"), arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of Customer its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, customers, insurers, invitees and consultants of all of the foregoing, and its and their respective successors, heirs and assigns ("Customer Group"), or (ii) loss of or damage to any property of any member of Customer Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.
 - B. **Company Indemnity Obligations.** Company hereby releases Customer from any liability for, and shall protect, defend, indemnify, and hold harmless Customer from and against all Claims arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of any member of Company Group, or (ii) loss of or damage to any property of any member of Company Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF CUSTOMER GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.
 - C. **Third Party Claims.** Notwithstanding the foregoing, to the extent of its negligence, Company and Customer shall each indemnify, defend and hold harmless from and against all Claims, of every type and character, which are asserted by third parties for bodily injury, death or loss or destruction of property or interests in property in any manner caused by, directly or indirectly resulting from, incident to, connected with or arising out of the work to be performed, Services to be rendered or Products or materials furnished to Customer. When personal injury, death or loss of or damage to property is the result of joint or concurrent negligence of Customer and Company, the indemnitor's duty of indemnification shall be in proportion to its allocable share of such negligence.
 - D. **Pollution.** Company agrees that it shall be totally responsible for, and shall protect, defend and indemnify, Customer for all losses, damages, claims, demands, costs, charges, and other expenses, including attorneys' fees, for any and all waste and/or hazardous substances which are in Company Group's exclusive possession and control and directly associated with Company Group's equipment and facilities, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF CUSTOMER GROUP. Customer shall assume all responsibility for, including control and removal of, and shall protect, defend and indemnify Company Group from and against all Claims arising directly or indirectly from all other pollution or contamination which may occur during the conduct of operations hereunder, including, but not limited to, that which may result from fire, blowout, cratering, seepage or any other uncontrolled flow of oil, gas, water or other substance, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF COMPANY GROUP.
 - E. **Wild Well.** Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group for any damages, expenses, losses, fines, penalties, costs, expert fees and attorneys' fees arising out of a fire, blow out, cratering, seepage or wild well, including regaining control thereof, debris removal and property restoration and remediation. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.
 - F. **Underground Damage.** Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group from and against any and all claims, liability and expenses resulting from operations related to the work under this agreement on account of injury to, destruction of, or loss or impairment of any property right in or to oil, gas or other mineral substance or water, if at the time of the act or omission causing such injury, destruction, loss or impairment said substance and not been reduced to physical possession above the surface of the earth, and for any loss or damage to any formation, strata, or reservoir beneath the surface of the earth. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.
 - G. The foregoing indemnities set forth in these CACTUS Purchase Terms are intended to be enforceable against the parties hereto in accordance with the express terms and scope hereof notwithstanding Texas' Express Negligence Rule or any similar directive that would prohibit or otherwise limit indemnities because of the negligence (whether sole, concurrent, active or passive, ordinary or gross) or other fault or strict liability of Company or Customer.
 - H. If a claim is asserted against one of the parties to this agreement which may give rise to a claim for indemnity against the other party hereto, the party against whom the claim is first asserted must notify the potential indemnitor in writing and give the potential indemnitor the right to defend or assist in the defense of the claim.
9. **RISK OF LOSS:**
 - A. Title and risk of loss shall pass to Customer upon delivery as specified in Article 11. Customer's receipt of any material delivered hereunder shall be an unqualified acceptance of, and a waiver by Customer of any and all claims with respect to, such material unless Customer gives Company written notice of claim within thirty (30) days after such receipt. Notwithstanding the foregoing, installation or use of materials or equipment shall unequivocally constitute irrevocable acceptance of said materials. Customer assumes all risk and liability for the results obtained by the use of any material or Products delivered hereunder in work performed by on behalf of Customer or in combination with other or substances. No claim of any kind, whether as to material delivered or for non-delivery of material, and whether or not based on negligence, shall be greater in amount than the purchase price of the


Cactus

Quotation

Quote Number : HBE0001018

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Date: 09/08/2023
Valid For 30 Days
Page 5 of 5

material in respect of which such claim is made.

B. For Services, Company shall not be liable for loss or deterioration of any equipment and material of Customer under Company's control or stored on Company's premises after Company has completed its work if such loss or deterioration results from atmospheric condition, Act of God or other occurrence not within the reasonable control of Company.

10. **TERMINATION.** Company reserves the right to terminate the order at issue, or any part hereof, solely for its convenience at any time without cause with notice to Customer. Company shall have the right to cancel any unfilled order without notice to Customer in the event that Customer becomes insolvent, adjudicated bankrupt, petitions for or consents to any relief under any bankruptcy reorganization statute, violates a term of these CACTUS Purchase Terms, or is unable to meet its financial obligations in the normal course of business. In the event of such termination, Company shall immediately stop all work hereunder. Prior to delivery, Customer may terminate this order without cause upon thirty (30) day notice in writing to Company. In the event of such termination, Company at its sole option shall cease work up to thirty (30) days after such notice. Upon the cessation of work, Customer agrees to pay Company a reasonable termination charge consisting of a percentage of the Invoice price, such percentage to reflect the value of the Products, Services or work in progress completed upon the cessation of work. Customer shall also pay promptly to Company any costs incurred due to paying and settling claims of Company's vendors or subcontractors arising out of the termination of the order by Customer.

11. **DELIVERY.** Unless different terms are provided on the face of this order, all items are sold FOB Company's manufacturing facility in Bossier City, LA., and Customer shall bear the cost of transportation to any other named destination. Upon notification of Company of delivery, Customer shall become liable and shall bear all risk of loss associated with the Products at issues regardless of whether the Products are at a location controlled by Company and whether or not caused by the negligence of Company. In the case of Customer pick-up, the truck furnished by Customer is the destination and Company's obligations regarding shipments are fulfilled when the Products are loaded on the truck. Items to be shipped to any other destination outside of the United States are sold FOB port of shipment (Customer will deliver and bear the cost of transportation to the named port and will bear the cost of transportation thereafter to the final destination). The means of shipment and carrier to the point at which Company's liability for transportation costs ceases shall be chosen by Company. Excess packing, marking, shipping, and transportation charges resulting from compliance with Customer's request shall be for Customer's account. Unless otherwise agreed in writing, delivery time is not of the essence.

12. **RETURNS/REFUND.** Within ninety (90) days of delivery, Customer has the option to return any non-defective Products (any Products found to be defective will be subject to the warranty and remedies expressed in paragraphs four (4) and five (5) above). Customer shall bear all costs of shipment and/or transportation for such return and risk of loss for the returned Products shall remain with Customer until re-delivered to Company's Yard. Customer shall receive a full refund for any returns, less a twenty percent (20%) restocking fee. Company at all times reserves the right to designate certain Products as non-refundable in Company's Sales Quote or Sales Order. In addition, any made-to-order, special order, and/or Product manufactured to Customer specifications are NOT returnable.

13. **DELAYS.** If a specific shipping date is either not given or is estimated only, and is not promised on the face of this order or in a separate writing signed by Company, Company will not be responsible for delays in filling this order nor liable for any loss or damages resulting from such delays. If a specific shipping date is promised, Company will not be liable for delays resulting from causes beyond Company's control, including without limitation accidents to machinery, fire, flood, act of God or other casualty, vendor delays, labor disputes, labor shortages, lack of transportation facilities, priorities required by, requested by, or granted for the benefit of any governmental agency, or restrictions imposed by law or governmental regulation.

14. **LIMITATION OF DAMAGES.** Notwithstanding any other provision contained herein, Company shall not be liable to Customer Group or any third party for consequential (whether direct or indirect damages), indirect, incidental, special or punitive damages, howsoever arising, including, but not limited to loss of profits (whether direct or indirect damages), revenues, production or business opportunities, WHETHER OR NOT SUCH LOSSES ARE THE RESULT IN WHOLE OR IN PART FROM THE NEGLIGENCE (WHETHER SOLE, JOINT, CONCURRENT OR COMPARATIVE, ACTIVE OR PASSIVE, ORDINARY OR GROSS) OF COMPANY GROUP, OR ANY DEFECT IN THE PREMISES, PRE-EXISTING CONDITIONS, PATENT OR LATENT, BREACH OF STATUTORY DUTY, STRICT LIABILITY OR ANY OTHER THEORY OF LEGAL LIABILITY OF COMPANY GROUP (EXCLUDING ONLY LOSSES CAUSED BY THE WILLFUL MISCONDUCT OF COMPANY GROUP).

15. **SECURITY INTEREST.** Customer grants Company, and Company reserves, a security interest, covering all Customer's obligations under these terms (including any liability for breach of Customer's obligations), and applying to all of Customer's right, title, and interest in the Leased Equipment, together with all accessions thereto and any proceeds that may arise in connection with the sale or disposition thereof. Customer shall cooperate with Company in the filing of Financing Statements to perfect such security interest. Furthermore, Customer authorizes Company to execute and file Financing Statements without Customer's signature in any jurisdiction in which such procedure is authorized. Customer warrants, covenants and agrees that it will not, without prior written consent of Company, sell, contract to sell, lease, encumber, or dispose of the Leased Equipment or any interest in it until all obligations secured by this security interest have been fully satisfied.

16. **PATENT AND INTELLECTUAL PROPERTY.** The sale of any Products hereunder does not convey any intellectual property license by implication, estoppel or otherwise regarding the Products. Company retains the copyright in all documents, catalogs and plans supplied to Customer pursuant to or ancillary to the contract. Unless otherwise agreed in writing, Customer shall obtain no intellectual property interest in any Company Product.

17. **TAXES.** Unless otherwise specifically provided for herein, Customer shall be liable for all federal, state, or local taxes or import duties assessed by any governmental entity of any jurisdiction in connection with the Products or Services furnished hereunder.

18. **DECEPTIVE TRADE PRACTICES.** Customer acknowledges the application of Section 17.45(4) of the Texas Deceptive Trade Practices Act (Texas Business Commission Code §17.41 et. seq.) (the "Act") to any transaction contemplated hereby and represents that it is not a "consumer" for the purposes of the Act.

19. **NO WAIVER.** Failure to enforce any or all of the provisions in these CACTUS Purchase Terms in any particular instance shall not constitute or be deemed to constitute a waiver of or preclude subsequent enforcement of the same provision or any other provision of these CACTUS Purchase Terms. Should any provision of these CACTUS Purchase Terms be declared invalid or unenforceable all other provisions of these CACTUS Purchase Terms shall remain in full force and effect.

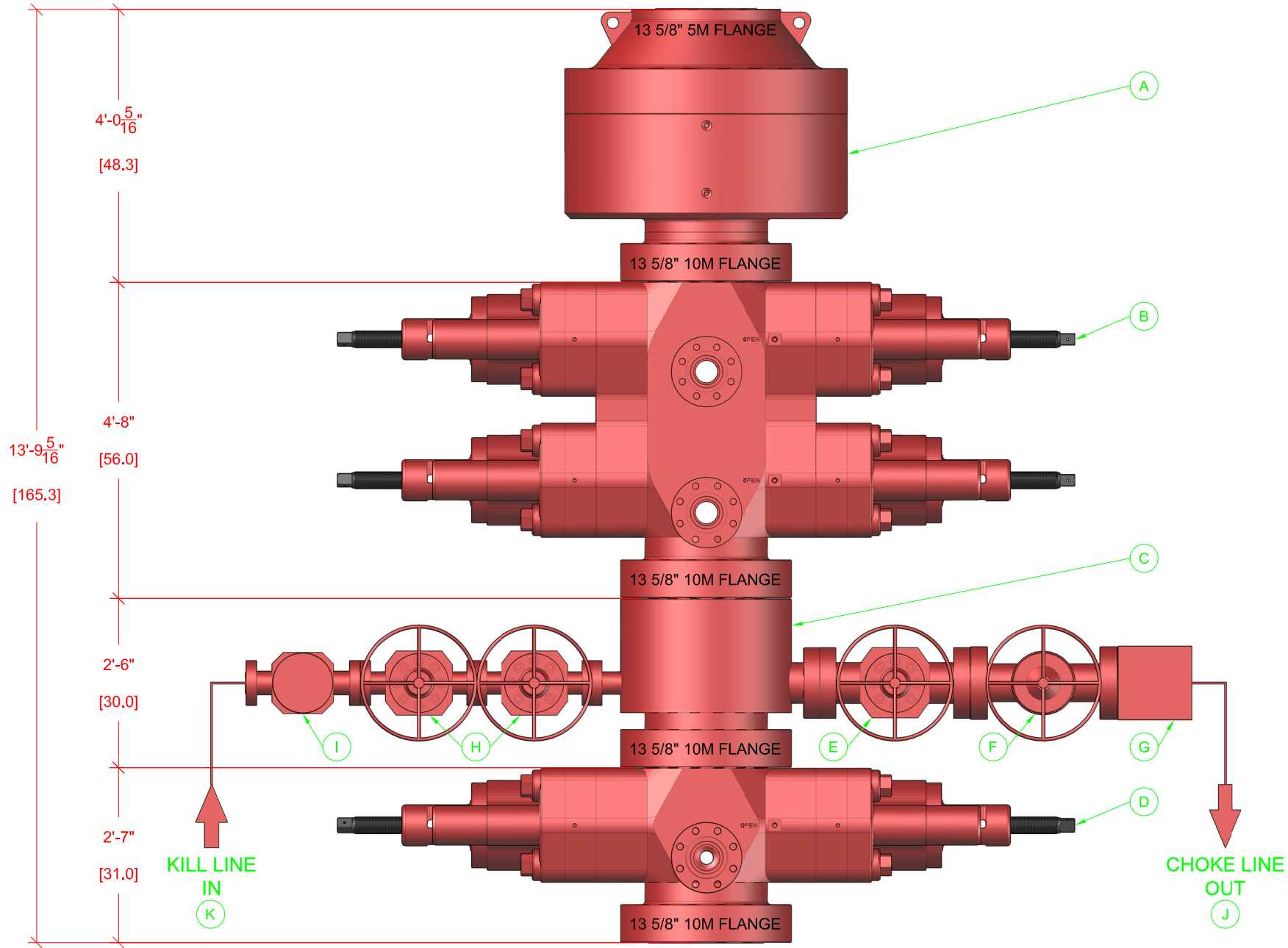
20. **CHOICE OF LAW.** THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND SHALL BE PERFORMABLE IN HARRIS COUNTY, TEXAS. WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPALS AND WAIVER OF SAME, EACH PARTY HERETO SUBMITS TO THE JURISDICTION OF THE COURTS OF THE STATE OF TEXAS IN HARRIS COUNTY, TEXAS AND THE FEDERAL COURTS IN AND FOR THE SOUTHERN DISTRICT OF TEXAS SITTING IN HOUSTON, TEXAS IN CONNECTION WITH ANY DISPUTE ARISING UNDER THIS AGREEMENT OR ANY DOCUMENT OR INSTRUMENT ENTERED INTO IN CONNECTION HERewith.

21. **AUTHORITY.** Customer warrants and represents that the individual receiving this order at issue on behalf of Customer has the authority to enter into these CACTUS Purchase Terms on behalf of Customer, and that upon receipt these CACTUS Purchase Terms shall be binding upon Customer.

22. **FORCE MAJEURE.** If Company is unable to carry out its obligations hereunder by reason of force majeure, then upon Company's giving of notice and reasonably full particulars of such force majeure in writing to Customer, Company's obligations that are affected by force majeure shall be suspended during the continuance of the force majeure and Company shall not be liable to Customer for any damages incurred by the Customer as a result thereof.

23. **CONFIDENTIALITY.** Customer acknowledges the highly secret and valuable nature of all proprietary inventions, methods, processes, designs, know-how, and trade secrets embodied in the Company's equipment, Products and Services and its components (hereinafter referred to as "Confidential Data"). Accordingly, Customer agrees not to disclose or use any Confidential Data. Customer further agrees to take any and all necessary precautions to prevent disclosure of the Confidential Data associated with the Company's equipment, Products and Services and components thereof to persons other than those employees of Customer for whom such disclosure is necessary for performance of the work hereunder.

24. **COMPLIANCE.** Customer expressly agrees to comply with and abide by, all of the laws of the United States and of the State of Texas, including, but not limited to, OSHA, EPA and all rules and regulations now existing or that may be hereafter promulgated under and in accordance with any such law or laws, and hereby agrees to indemnify and hold Company harmless from any and all claims, demands, or damages incurred by Company arising from Customer's failure to comply with all laws and governmental regulations. The indemnities in this paragraph shall be in addition to any other indemnity obligations between Customer and Company, including any other indemnity obligations contained herein.



BOP EQUIPMENT INFORMATION

DESCRIPTION	MODEL	QTY	ITEM	DESCRIPTION	MODEL	QTY
ANNULAR BOP	13 5/8" 5M	1	G	STUDDED BLOCK	4 1/2" 10M	1
DOUBLE RAM BOP	13 5/8" 10M TYPE-U	1	H	GATE VALE	2 1/2" 10M FC MANUAL	2
MUD CROSS	13 5/8" 10M	1	I	CHECK VALVE	2 1/2" 10M	1
SINGLE RAM BOP	13 5/8" 10M TYPE-U	1	J	CHOKE HOSE	4 1/2" 10M	1
GATE VALVE	4 1/2" 10M FC MANUAL	1	K	KILL HOSE	2 1/2" 10M	1
HCR VALVE	4 1/2" 10M HCR	1	L			

1. Geological Formations

TVD of target 10,730

Pilot Hole TD N/A

MD at TD 21,014

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1238	N/A	
Top of Salt	1731	N/A	
Lamar	5036	N/A	
Bell Canyon	5087	Hydrocarbons	
Cherry Canyon	5940	Hydrocarbons	
Brushy Canyon	7318	N/A	
Basal Brushy Canyon	8633	N/A	
Bone Spring Lime	8850	N/A	
Avalon Shale	9465	Hydrocarbons	
1st Bone Spring Sand	10050	Hydrocarbons	
2nd Bone Spring Sand	10592	Hydrocarbons	
Upper 2nd Sand - Target	10730	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1288	1288	13-3/8"	48.00	H-40	ST&C	1.33	3.10	5.21
12 1/4	0	5136	5136	9-5/8"	40.00	HCK-55	LT&C	1.45	1.50	2.77
8 3/4	0	10310	10310							
8 3/4	10310	11060	10683	7"	29.00	P-110	BT&C	1.71	2.24	85.88
6	9810	21014	10730	4-1/2"	11.60	P-110	BT&C	1.51	2.13	34.39
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Coterra: H2S Plan



H2S Drilling Operations Plan

Training

All company and contract personnel admitted on location must be trained by a qualified H2S safety instructor to do the following:

1. Characteristics of H2S
2. Physical effects and hazards
3. Principle and operation of H2S detectors, warning system, and briefing areas
4. Evacuation procedure, routes and first aid
5. Proper use of safety equipment & life support systems
6. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30 minute pressure demand air packs.

H2S Detection and Alarm Systems

1. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary
2. An audio alarm system will be installed on the derrick floor and in the top doghouse

Windsock and/or wind streamers

1. Windsock at mudpit area should be high enough to be visible
2. Windsock on the rig floor and / or top of doghouse should be high enough to be visible

Condition Flags & Signs

1. Warning signs on access road to location
2. Flags are to be displayed on sign at the entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates

Coterra: H2S Plan

danger (H2S present in dangerous concentration). Only H2S trained and certified personnel admitted to location.

Well Control Equipment

1. See the pressure control section of this submission.

Communication

1. While working under masks, chalkboards will be used for communication
2. Hand signals will be used where chalk board is inappropriate.
3. Two way radio will be used to communicate off location in case emergency help is required. In most cases, cellular telephones will be available at most drilling foreman's trailer or living quarters.

Drillstem Testing

1. No DSTs or cores are planned at this time
2. Drilling contractor supervisor will be required to be familiar with the effects that H2S has on tubular goods and other mechanical equipment.
3. If H2S is encountered, mud system will be altered if necessary to maintain control of the well. A mud gas separator will be brought into service along with H2S scavenger if necessary.

Coterra: H2S Plan

H2S Contingency Plan

Emergency Procedures

In the event of an H2S release, the first responder(s) must:

1. Isolate the area and prevent entry by other persons into the 100 PPM ROE.
2. Evacuate any public places encompassed by the 100 PPM ROE.
3. Be equipped with H2S monitors and air packs in order to control the release.
4. Use the buddy system
5. Take precautions to avoid personal injury during this operation
6. Contact operator and/or local officials to aid in operation. See list of emergency contacts attached.
7. Have received training the detection of H2S, measures for protection against the gas, and equipment used for protection and emergency response

Ignition of the Gas Source

1. Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

Contacting Authorities

1. Coterra personnel must liaise with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours.
2. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Coterra's response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

Coterra: H2S Plan

Emergency Contacts

Coterra Energy

Charlie Pritchard: Drilling Operations Manager: 432 – 238 – 7084

Darrell Kelly: Vice President EHS: 281 – 589 – 5795

Third Party

PERMIAN REGION CONTACT NUMBERS					
CALL 911					
Air Ambulance Services					
	Reeves County Medical - Pecos, TX		432-447-3551		
	Aero Care - Midland, TX		800-627-2376		
	Tri State Care Flight - Artesia, NM		800-800-0900		
	Air Methods - Hobbs, NM		800-242-6199		
Fire / Police / Medical Care					
Sheriff's Office		Fire Departments		Hospital / Medical Care Facilities	
Andrews County	432-523-5545	Andrews	432-523-3111	Permian Regional Med.	432-523-2200
Reagan County	325-884-2929	Big Lake	325-884-3650	Reagan Memorial Hosp.	325-884-2561
Howard County	432-264-2244	Big Springs	432-264-2303	Scenic Mountain Med Ctr	432-263-1211
Terry County	806-637-2212	Brownfield	806-637-6633		
Crane County	432-558-3571	Crane	432-558-2361	Crane Memorial Hosp.	432-558-3555
Val Verde County	830-774-7513	Del Rio	830-774-8648	Val Verde Regional Med.	830-775-8566
		Denver City	806-592-3516	Yoakum County Hospital	806-592-2121
Pecos County	432-336-3521	Ft Stockton	432-336-8525		
Glasscock County	432-354-2361	Garden City			
Winkler County	432-586-3461	Kernit	432-586-2577	Winkler County Memorial	432-586-5864
		McCamey	432-652-8232	McCamey Hospital	432-652-8626
Loving County	432-377-2411	Mentone			
Irion County	325-835-2551	Mertzon			
Ward County	432-943-6703	Monahans	432-943-2211	Ward Memorial Hospital	432-943-2511
Ector County	432-335-3050	Odessa	432-335-4650	Odessa Regional Hosp.	432-582-8340
Crocket County	325-392-2661	Ozona	325-392-2626		
Reeves County	432-445-4901	Pecos	505-757-6511	Reeves County Hospital	432-447-3551
Yoakum County	806-456-2377	Plains	806-456-2288		
Garza County	806-495-3595	Post			
Upton County	432-693-2422	Rankin			
Coke County	915-453-2717	Robert Lee			
		Roscoe	325-766-3931		
Hockley County	806-894-3126	Levelland	806-894-3155	Covenant Health	806-894-4963
Tom Green County	325-655-8111	San Angelo	325-657-4355	San Angelo Comm. Med.	325-949-9511
Gaines County	432-758-9871	Seminole	432-758-3621	Memorial Hospital	432-758-5811
Terrell County	432-345-2525	Sanderson			
Scurry County	325-573-3551	Snyder	325-573-3546	DM Cogdell Memorial	325-573-6374
Sterling County	325-378-4771	Sterling City			
Nolan County	325-235-5471	Sweetwater	325-235-8130	Rolling Plains Memorial	325-235-1701
Culberson County	432-283-2060	Van Horn		Culberson Hospital	432-283-2760
New Mexico					
Lea County	505-396-3611	Knowles	505-392-7469	Lea Reg Med Ctr	575-492-5000
Eddy County	575-887-7551	Carlsbad	575-885-3125	Carlsbad Medical	575-887-4100
		Artesia	575-746-5050	Artesia Hospital	575-748-3333
Roosevelt County	575-356-4408				
Chaves County	575-624-7590				
Ground Ambulance Services					
	Reeves County Medical		Pecos, TX		432-447-3551



Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2023 - 04:53 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra Triste Draw 36-25 Fed Com E2W2 Pad
Slot: 211H
Well: Triste Draw 36-25 Federal Com 211H
Borehole: Triste Draw 36-25 Federal Com 211H
Scan MD Range: 0.00ft ~ 21013.17ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2023.1.0.1
Database 1 Project: Triste Draw 36-25 Federal Com 211H-COTERRA

Trajectory Error Model: ISCSA0 3 - D 95 % Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 10000ft
 Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
 - All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

45 out of 46 are selected

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		

Results highlighted in red: Sep-Factor <= 1.5

Result highlighted in boxed, red and bold: all local minima indicated.

Coterra Triste Draw 36-25 Federal Com 301H Rev0 mdv 19Oct23 (DefinitivePlan) Fail Major

19.99	16.25	18.71	3.74	N/A	MAS = 4.95 (m)	0.00	0.00	CtCt<=15m<15.00				Enter Alert	
19.99	16.25	18.70	3.74	17597.23	MAS = 4.95 (m)	23.00	23.00					WRP	
19.99	16.75	8.40	3.24	1.81	OSF1.50	1090.00	1090.00					MinPts	
19.99	20.06	6.29	-0.06	1.49	OSF1.50	1330.00	1330.00		OSF<1.50			Enter Minor	
19.99	29.53	-0.02	-9.53	1.00	OSF1.50	1960.00	1960.00			OSF<1.00		Enter Major	
19.99	29.98	-0.32	-9.99	0.98	OSF1.50	1990.00	1990.00					MinPt-CtCt	
20.12	30.57	-0.59	-10.45	0.97	OSF1.50	2030.00	2030.00					MinPts	
20.35	30.86	-0.55	-10.51	0.97	OSF1.50	2050.00	2050.00					MinPt-ADP	
21.15	31.44	-0.14	-10.29	0.99	OSF1.50	2090.00	2090.00			OSF>1.00		Exit Major	
34.45	34.70	10.98	-0.25	1.49	OSF1.50	2330.00	2329.96		OSF>1.50			Exit Minor	
552.95	171.94	438.00	381.01	4.84	OSF1.50	10590.00	10398.81					MinPt-EQU	
552.31	170.38	438.46	381.99	4.88	OSF1.50	10640.00	10441.88					MinPt-CtCt	
555.09	167.24	443.26	387.84	5.00	OSF1.50	10730.00	10513.23		OSF>5.00			Exit Alert	
726.73	185.59	602.67	541.13	5.90	OSF1.50	15170.00	10729.97					MinPt-CtCt	
727.18	186.88	602.26	540.30	5.86	OSF1.50	15240.00	10729.97					MinPt-EQU	
727.98	187.84	602.42	540.14	5.84	OSF1.50	15290.00	10729.97					MinPt-ADP	
743.01	223.61	593.61	519.40	5.00	OSF1.50	16530.00	10730.03		OSF<5.00			Enter Alert	
742.99	246.23	578.52	496.77	4.54	OSF1.50	17330.00	10730.03					MinPt-CtCt	
743.02	356.56	504.99	386.47	3.13	OSF1.50	21010.00	10730.00					MinPt-CtCt	
743.02	356.60	504.96	386.43	3.13	OSF1.50	21013.17	10730.00					MinPts	

Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23 (DefinitivePlan) Fail Major

20.00	16.26	18.72	3.74	N/A	MAS = 4.96 (m)	0.00	0.00	CtCt<=15m<15.00				Enter Alert	
20.00	16.26	18.72	3.74	N/A	MAS = 4.96 (m)	23.00	23.00					WRP	
20.00	16.75	8.41	3.25	1.82	OSF1.50	1090.00	1090.00					MinPts	
20.00	20.05	6.31	-0.05	1.50	OSF1.50	1330.00	1330.00		OSF<1.50			Enter Minor	
20.00	29.52	-0.01	-9.52	1.00	OSF1.50	1960.00	1960.00			OSF<1.00		Enter Major	
20.00	30.79	-0.85	-10.79	0.96	OSF1.50	2045.21	2045.21					MinPt-CtCt	
20.32	32.30	-1.64	-11.98	0.93	OSF1.50	2150.00	2150.00					MinPts	
20.54	32.59	-1.51	-12.04	0.93	OSF1.50	2170.00	2170.00					MinPt-ADP	
22.72	33.70	-0.08	-10.98	1.00	OSF1.50	2250.00	2250.00			OSF>1.00		Exit Major	
36.03	36.06	11.66	-0.03	1.50	OSF1.50	2430.00	2429.75		OSF>1.50			Exit Minor	
173.15	52.79	137.63	120.36	4.99	OSF1.50	3490.00	3466.78		OSF>5.00			Exit Alert	
1059.64	171.89	944.72	887.75	9.29	OSF1.50	10340.00	10159.79					MinPt-EQU	
1059.74	172.01	944.73	887.73	9.29	OSF1.50	10350.00	10169.77					MinPt-ADP	
1062.43	172.98	946.78	889.45	9.26	OSF1.50	10450.00	10268.42					MinPt-SF	
1318.20	371.29	1067.34	943.90	5.32	OSF1.50	21013.17	10730.00					MinPts	

30-025-41520 - COX 35 FEDERAL 1H - Blind+MWD to 15465ft - A (DefinitiveSurvey) Fail Major

2889.15	32.81	2887.18	2856.35	N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
2889.14	32.81	2887.16	2856.33	#####	MAS = 10.00 (m)	10.00	10.00					MinPts	
2889.14	32.81	2887.16	2856.33	#####	MAS = 10.00 (m)	23.00	23.00					WRP	
2889.65	886.07	2298.28	2003.58	4.90	OSF1.50	550.00	550.00		OSF<5.00			Enter Alert	
2893.16	2899.46	959.59	-6.31	1.50	OSF1.50	1530.00	1530.00			OSF<1.50		Enter Minor	
2897.53	4358.24	-8.55	-1460.71	1.00	OSF1.50	2240.00	2240.00					Enter Major	
1768.07	19001.35	-10900.04	-17233.28	0.14	OSF1.50	9500.00	9319.84			OSF<1.00		MinPt-CtCt	
1760.08	21285.14	-12410.55	-19505.06	0.13	OSF1.50	10770.00	10542.00					MinPt-ADP	
1776.03	21281.79	-12412.37	-19505.76	0.13	OSF1.50	10850.00	10593.40					MinPt-ADP	
1775.58	21281.29	-12412.40	-19505.71	0.13	OSF1.50	10860.00	10599.21					MinPt-EQU	
1772.50	21277.62	-12413.12	-19505.12	0.12	OSF1.50	10940.00	10640.40					MinPts	
1771.53	21273.12	-12411.08	-19501.59	0.12	OSF1.50	10980.00	10657.31					MinPt-SF	
1765.69	21095.56	-12298.55	-19329.87	0.13	OSF1.50	11050.00	10680.68					MinPt-SF	
1752.29	21026.83	-12266.13	-19274.54	0.12	OSF1.50	11190.00	10711.00					MinPt-SF	
1750.50	21004.97	-12253.35	-19254.47	0.12	OSF1.50	11230.00	10717.05					MinPt-SF	
1749.43	20973.40	-12233.38	-19223.97	0.13	OSF1.50	11290.00	10723.94					MinPt-CtCt	
1748.76	20909.11	-12191.19	-19160.35	0.13	OSF1.50	11390.00	10729.54					MinPts	
1736.12	20941.56	-12225.46	-19205.44	0.12	OSF1.50	12080.00	10729.81					MinPt-ADP	
1735.67	20941.05	-12225.56	-19205.37	0.12	OSF1.50	12100.00	10729.81					MinPt-EQU	
1729.40	20951.05	-12238.47	-19221.65	0.12	OSF1.50	12410.00	10729.83					MinPt-ADP	
1729.34	20950.97	-12238.48	-19221.63	0.12	OSF1.50	12420.00	10729.83					MinPt-EQU	
1729.07	20949.43	-12237.72	-19220.37	0.12	OSF1.50	12490.00	10729.83					MinPt-SF	
1728.91	20946.84	-12236.09	-19217.87	0.12	OSF1.50	12550.00	10729.84					MinPt-CtCt	
1720.10	20953.03	-12249.05	-19232.93	0.12	OSF1.50	13050.00	10729.86					MinPt-ADP	
1717.72	20950.08	-12249.50	-19232.37	0.12	OSF1.50	13110.00	10729.86					MinPt-EQU	
1711.49	20943.53	-12251.36	-19232.04	0.12	OSF1.50	13280.00	10729.87					MinPt-ADP	
1702.59	20939.58	-12257.63	-19236.99	0.12	OSF1.50	13610.00	10729.89					MinPt-ADP	
1701.47	20938.12	-12257.77	-19236.64	0.12	OSF1.50	13650.00	10729.89					MinPt-EQU	
1695.85	20932.79	-12259.85	-19236.94	0.12	OSF1.50	13900.00	10729.90					MinPt-ADP	
1695.35	20932.14	-12259.90	-19236.78	0.12	OSF1.50	13920.00	10729.91					MinPt-EQU	
1687.39	20923.58	-12262.17	-19236.19	0.12	OSF1.50	14180.00	10729.92					MinPt-ADP	
1686.52	20922.51	-12262.33	-19236.00	0.12	OSF1.50	14210.00	10729.92					MinPt-EQU	
1683.45	20910.45	-12257.35	-19227.00	0.12	OSF1.50	14410.00	10729.93					MinPt-SF	
1683.38	20908.98	-12256.44	-19225.60	0.12	OSF1.50	14440.00	10729.93					MinPt-CtCt	
1685.97	20907.44	-12252.89	-19221.47	0.12	OSF1.50	14960.00	10729.96					MinPt-ADP	
1662.79	20907.69	-12276.18	-19244.91	0.12	OSF1.50	15280.00	10729.97					MinPt-ADP	
1660.50	20904.99	-12276.62	-19244.43	0.12	OSF1.50	15330.00	10729.98					MinPt-EQU	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	1659.72	20902.87	-12276.03	-19243.15	0.12	OSF1.50	15380.00	10729.98				MinPt-SF	
	1659.72	20902.84	-12276.00	-19243.12	0.12	OSF1.50	15380.94	10729.98				MinPt-CtCt	
	5871.73	21249.30	-8294.97	-15377.57	0.41	OSF1.50	21013.17	10730.00				TD	
30-025-08134 - GULF-STATE 1 - Blind to 5206ft - P&A (DefinitiveSurvey)													Fail Major
	2612.02	32.81	2610.04	2579.21	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	2611.93	32.81	2609.94	2579.12	189757.21	MAS = 10.00 (m)	10.00	10.00				MinPt-SF	
	2611.87	32.81	2609.88	2579.06	288748.09	MAS = 10.00 (m)	23.00	23.00				WRP	
	2611.87	796.07	2080.50	1815.80	4.93	OSF1.50	460.00	460.00	OSF<5.00			Enter Alert	
	2611.87	2622.35	863.05	-10.48	1.49	OSF1.50	1340.00	1340.00		OSF<1.50		Enter Minor	
	2611.87	3929.95	-8.69	-1318.09	1.00	OSF1.50	1970.00	1970.00			OSF<1.00	Enter Major	
	2611.87	4407.34	-326.94	-1795.47	0.89	OSF1.50	2200.00	2200.00				MinPt-CtCt	
	2790.84	10704.91	-4346.30	-7914.07	0.39	OSF1.50	5310.00	5236.48				MinPts	
	4790.78	7185.65	-0.19	-2394.87	1.00	OSF1.50	8960.00	8785.63			OSF>1.00	Exit Major	
	5906.96	5910.02	1966.41	-3.06	1.50	OSF1.50	10340.00	10159.79		OSF>1.50		Exit Minor	
	5564.06	1676.87	4445.65	3887.20	4.98	OSF1.50	13130.00	10729.87	OSF>5.00			Exit Alert	
	5516.42	933.82	4893.37	4582.60	8.87	OSF1.50	13860.00	10729.90				MinPt-CtCt	
	5563.66	1672.83	4447.94	3890.82	4.99	OSF1.50	14580.00	10729.94	OSF<5.00			Enter Alert	
	7021.06	6664.59	2577.51	356.48	1.58	OSF1.50	18200.00	10730.01				MinPt-EOU	
	7721.79	7522.27	2706.45	199.52	1.54	OSF1.50	19260.00	10729.97				MinPt-ADP	
	7770.93	7570.76	2723.26	200.17	1.54	OSF1.50	19330.00	10729.97				MinPt-SF	
	9035.78	8499.46	3368.97	536.32	1.59	OSF1.50	21013.17	10730.00				TD	
30-025-08120 - FIELDS 2 - Blind to 5206ft - P&A (DefinitiveSurvey)													Fail Major
	5379.66	32.81	5370.90	5346.85	793.16	MAS = 10.00 (m)	0.00	0.00				Surface	
	5379.66	36.02	5354.99	5343.64	236.98	OSF1.50	23.00	23.00				WRP	
	5379.66	1633.12	4290.25	3746.54	4.95	OSF1.50	870.00	870.00	OSF<5.00			Enter Alert	
	5379.66	4393.40	2450.14	986.26	1.84	OSF1.50	2200.00	2200.00				MinPt-CtCt	
	5398.48	5405.48	1794.24	-7.00	1.50	OSF1.50	2690.00	2687.61		OSF<1.50		Enter Minor	
	5558.40	8354.72	-12.00	-2796.32	1.00	OSF1.50	4150.00	4108.54			OSF<1.00	Enter Major	
	5692.55	10593.42	-1370.27	-4900.87	0.81	OSF1.50	5260.00	5187.87				MinPts	
	6526.70	9792.59	-2.23	-3265.89	1.00	OSF1.50	7820.00	7677.12			OSF>1.00	Exit Major	
	8084.84	8089.87	2691.06	-5.03	1.50	OSF1.50	10600.00	10407.60		OSF>1.50		Exit Minor	
	7749.86	7405.07	2812.61	344.79	1.57	OSF1.50	11470.00	10729.78				MinPt-ADP	
	7053.00	6552.13	2684.41	500.87	1.61	OSF1.50	12540.00	10729.84				MinPt-EOU	
	5613.72	1686.23	4489.07	3927.49	5.00	OSF1.50	16460.00	10730.02	OSF>5.00			Exit Alert	
	5601.81	1542.65	4572.88	4059.16	5.45	OSF1.50	16830.00	10730.03				MinPt-CtCt	
	5613.65	1686.89	4488.56	3926.77	4.99	OSF1.50	17190.00	10730.03	OSF<5.00			Enter Alert	
	6993.97	6464.71	2683.67	529.26	1.62	OSF1.50	21013.17	10730.00				MinPts	
30-025-08122 - FEDERAL JAMES 4 - Blind to 5211ft - P&A (DefinitiveSurvey)													Fail Major
	6546.74	32.81	6533.83	6513.93	598.72	MAS = 10.00 (m)	0.00	0.00				Surface	
	6546.74	42.24	6517.92	6504.50	243.81	OSF1.50	23.00	23.00				WRP	
	6546.74	1966.68	5234.96	4580.06	5.00	OSF1.50	980.00	980.00	OSF<5.00			Enter Alert	
	6546.74	4498.66	3547.05	2048.09	2.18	OSF1.50	2200.00	2200.00				MinPt-CtCt	
	6616.16	6623.39	2199.98	-7.23	1.50	OSF1.50	3240.00	3223.69		OSF<1.50		Enter Minor	
	6806.22	10215.69	-4.78	-3409.47	1.00	OSF1.50	5020.00	4954.50			OSF<1.00	Enter Major	
	6834.51	10715.28	-309.55	-3880.77	0.96	OSF1.50	5270.00	5197.59				MinPts	
	7053.55	10584.02	-3.00	-3530.47	1.00	OSF1.50	6400.00	6296.36			OSF>1.00	Exit Major	
	8863.79	8869.42	2950.30	-5.63	1.50	OSF1.50	10350.00	10169.77		OSF>1.50		Exit Minor	
	7826.56	7577.16	2774.62	249.40	1.55	OSF1.50	12480.00	10729.83				MinPt-SF	
	7765.50	7517.11	2753.59	248.39	1.55	OSF1.50	12570.00	10729.84				MinPt-ADP	
	7063.54	6658.81	2623.83	404.73	1.59	OSF1.50	13680.00	10729.89				MinPt-EOU	
	5727.43	2762.48	3885.28	2964.96	3.11	OSF1.50	17814.30	10730.02				MinPt-CtCt	
	6560.25	5757.61	2721.34	802.64	1.71	OSF1.50	21013.17	10730.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 501H Rev0 mdy 19Oct23 (DefinitivePlan)													Fail Minor
	112.35	32.81	111.06	79.54	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	112.34	32.81	111.06	79.54	N/A	MAS = 10.00 (m)	23.00	23.00				WRP	
	112.34	32.81	100.75	79.54	10.78	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	112.34	32.81	95.94	79.54	7.22	MAS = 10.00 (m)	1600.00	1600.00				MinPts	
	112.97	32.81	95.11	80.16	6.64	MAS = 10.00 (m)	1750.00	1750.00				MinPt-EOU	
	121.11	32.81	100.56	88.30	6.14	MAS = 10.00 (m)	2030.00	2030.00				MinPt-SF	
	199.58	44.20	169.78	155.37	6.89	OSF1.50	3010.00	3000.04				MinPt-EOU	
	209.15	55.63	171.73	153.52	5.71	OSF1.50	3750.00	3719.59				MinPt-ADP	
	222.99	67.60	177.60	155.39	5.00	OSF1.50	4520.00	4468.31	OSF<5.00			Enter Alert	
	153.17	154.25	50.01	-1.08	1.49	OSF1.50	9220.00	9041.10		OSF<1.50		Enter Minor	
	132.66	172.37	17.42	-39.70	1.15	OSF1.50	10360.00	10179.74				MinPt-ADP	
	132.53	172.21	17.39	-39.69	1.15	OSF1.50	10370.00	10189.69				MinPts	
	131.23	167.88	18.98	-36.65	1.17	OSF1.50	10470.00	10287.74				MinPt-CtCt	
	154.69	157.48	49.38	-2.78	1.47	OSF1.50	10660.00	10458.47		OSF>1.50		Exit Minor	
	566.21	172.03	451.20	394.18	4.96	OSF1.50	11210.00	10714.17	OSF>5.00			Exit Alert	
	2276.20	238.20	2117.07	2038.00	14.39	OSF1.50	17150.00	10730.03				MinPt-CtCt	
	2276.23	355.73	2038.75	1920.50	9.62	OSF1.50	21013.17	10730.00				MinPts	
30-025-20437 - WEHRLI-FEDERAL 1 - Blind to 5167ft - P&A (DefinitiveSurvey)													Fail Minor
	8309.78	32.81	8287.88	8276.97	416.95	MAS = 10.00 (m)	0.00	0.00				Surface	
	8309.78	55.74	8271.96	8254.04	231.82	OSF1.50	23.00	23.00				WRP	
	8309.78	2503.60	6640.13	5806.18	4.98	OSF1.50	1270.00	1270.00	OSF<5.00			Enter Alert	
	8309.78	4433.88	5353.28	3875.90	2.81	OSF1.50	2200.00	2200.00				MinPt-CtCt	
	8613.46	8617.19	2868.08	-3.72	1.50	OSF1.50	4260.00	4215.50		OSF<1.50		Enter Minor	
	8782.39	10511.42	1774.23	-1729.04	1.25	OSF1.50	5200.00	5129.52				MinPts	
	9935.30	9940.94	3307.47	-5.64	1.50	OSF1.50	8520.00	8357.78		OSF>1.50		Exit Minor	
	7921.23	7432.94	2965.44	488.30	1.60	OSF1.50	14650.00	10729.94				MinPt-SF	
	7797.85	7313.45	2921.72	484.40	1.60	OSF1.50	14830.00	10729.95				MinPt-ADP	
	7096.65	6454.89	2792.89	641.76	1.65	OSF1.50	15930.00	10730.00				MinPt-EOU	
	5722.08	2157.37	4283.33	3564.71	3.98	OSF1.50	20127.51	10729.97				MinPt-CtCt	
	5790.23	2672.36	4008.16	3117.87	3.25	OSF1.50	21013.17	10730.00				MinPts	
30-025-25150 - FIELDS 3 - Blind to 5200ft - P&A (DefinitiveSurvey)													Fail Minor
	7393.13	32.81	7371.23	7360.33	370.95	MAS = 10.00 (m)	0.00	0.00				Surface	
	7393.13	55.74	7355.32	7337.40	206.24	OSF1.50	23.00	23.00				WRP	
	7393.13	2233.77	5903.36	5159.36	4.97	OSF1.50	1140.00	1140.00					

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status	
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major			
Coterra Triste Draw 36-25 Federal Com 401H Rev0 mdv 19Oct23 (DefinitivePlan)														Warning Alert
84.84	32.81	83.56	52.04	N/A		MAS = 10.00 (m)	0.00	0.00				Surface		
84.84	32.81	83.55	52.03	N/A		MAS = 10.00 (m)	23.00	23.00				WRP		
84.84	32.81	73.25	52.03	8.11		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
84.84	32.81	67.04	52.03	4.99		MAS = 10.00 (m)	1740.00	1740.00	OSF<5.00			Enter Alert		
81.35	32.81	59.30	48.54	3.82		MAS = 10.00 (m)	2171.55	2171.55				MinPts		
81.69	33.42	59.08	48.26	3.73		OSF1.50	2230.00	2230.00				MinPt-EOU		
82.05	33.86	59.15	48.15	3.70		OSF1.50	2260.00	2260.00				MinPt-ADP		
85.57	35.94	61.28	49.63	3.63		OSF1.50	2410.00	2409.81				MinPt-SF		
111.18	43.42	81.90	67.75	3.89		OSF1.50	2990.00	2980.59				MinPt-SF		
229.19	69.53	182.51	159.66	4.99		OSF1.50	4560.00	4507.21	OSF>5.00			Exit Alert		
908.45	171.97	793.47	736.48	7.96		OSF1.50	10680.00	10474.65				MinPt-ADP		
908.05	171.47	793.41	736.58	7.98		OSF1.50	10700.00	10490.41				MinPt-EOU		
907.76	170.45	793.80	737.31	8.03		OSF1.50	10740.00	10520.60				MinPt-CtCt		
1901.60	243.99	1738.61	1657.61	11.73		OSF1.50	17300.00	10730.03				MinPt-CtCt		
1901.63	355.95	1664.00	1545.68	8.03		OSF1.50	21010.00	10730.00				MinPt-CtCt		
1901.63	355.98	1663.98	1545.65	8.03		OSF1.50	21013.17	10730.00				MinPts		
Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23 (DefinitivePlan)														Warning Alert
99.99	32.81	98.71	67.18	N/A		MAS = 10.00 (m)	0.00	0.00				Surface		
99.99	32.81	98.70	67.18	N/A		MAS = 10.00 (m)	23.00	23.00				WRP		
99.99	32.81	88.40	67.18	9.58		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
98.11	32.81	77.66	65.30	4.99		MAS = 10.00 (m)	2010.00	2010.00	OSF<5.00			Enter Alert		
95.98	32.99	73.65	62.98	4.45		OSF1.50	2201.43	2201.43				MinPt-CtCt		
96.29	33.99	73.31	62.31	4.33		OSF1.50	2270.00	2269.99				MinPt-EOU		
96.77	34.56	73.41	62.21	4.28		OSF1.50	2310.00	2309.97				MinPt-ADP		
101.53	37.07	76.49	64.46	4.18		OSF1.50	2490.00	2489.50				MinPt-SF		
108.93	49.09	75.87	59.84	3.37		OSF1.50	3310.00	3291.75				MinPt-CtCt		
110.70	54.48	74.05	56.21	3.08		OSF1.50	3680.00	3651.53				MinPt-EOU		
113.10	57.38	74.52	55.72	2.98		OSF1.50	3880.00	3846.00				MinPt-ADP		
136.00	72.19	87.55	63.81	2.84		OSF1.50	4830.00	4769.75				MinPt-SF		
337.89	174.21	221.42	163.68	2.92		OSF1.50	10370.00	10189.69				MinPt-SF		
335.48	172.38	220.23	163.10	2.93		OSF1.50	10470.00	10287.74				MinPt-ADP		
334.48	171.15	220.05	163.33	2.94		OSF1.50	10510.00	10325.78				MinPt-EOU		
333.84	169.28	220.65	164.55	2.97		OSF1.50	10560.00	10371.96				MinPt-CtCt		
535.07	163.08	426.03	372.00	4.94		OSF1.50	11110.00	10695.42	OSF>5.00			Exit Alert		
1430.18	234.75	1273.32	1195.39	9.17		OSF1.50	17149.65	10730.03				MinPt-CtCt		
1430.18	353.44	1194.22	1076.74	6.08		OSF1.50	21013.17	10730.00				MinPts		
Coterra Triste Draw 36-25 Federal Com 402H Rev0 mdv 19Oct23 (DefinitivePlan)														Warning Alert
116.61	32.81	115.32	83.80	N/A		MAS = 10.00 (m)	0.00	0.00				Surface		
116.60	32.81	115.31	83.79	N/A		MAS = 10.00 (m)	23.00	23.00				WRP		
116.60	32.81	105.01	83.79	11.20		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
116.39	32.81	96.02	83.58	5.95		MAS = 10.00 (m)	2002.61	2002.61				MinPts		
116.87	32.81	95.38	84.06	5.65		MAS = 10.00 (m)	2120.00	2120.00				MinPt-EOU		
139.49	42.68	110.71	96.81	4.98		OSF1.50	2860.00	2854.18	OSF<5.00			Enter Alert		
141.36	46.70	109.91	94.67	4.61		OSF1.50	3100.00	3087.55				MinPt-EOU		
144.44	50.36	110.54	94.08	4.36		OSF1.50	3310.00	3291.75				MinPt-ADP		
190.95	75.40	140.35	115.54	3.83		OSF1.50	4690.00	4633.62				MinPt-SF		
399.58	171.98	284.61	227.61	3.50		OSF1.50	10310.16	10129.96				MinPt-CtCt		
399.82	172.52	284.47	227.29	3.49		OSF1.50	10350.00	10169.77				MinPt-EOU		
399.95	172.69	284.48	227.26	3.49		OSF1.50	10360.00	10179.74				MinPt-ADP		
401.83	173.82	285.62	228.01	3.48		OSF1.50	10430.00	10248.93				MinPt-SF		
606.92	183.08	484.54	423.84	4.99		OSF1.50	11030.00	10674.83	OSF>5.00			Exit Alert		
1787.70	239.95	1627.41	1547.75	11.22		OSF1.50	17120.00	10730.03				MinPt-CtCt		
1787.72	357.13	1549.31	1430.60	7.53		OSF1.50	21013.17	10730.00				MinPts		
30-025-40578 - Cimarex Triste Draw 36 State 6H ST01 MWD 10466ft to 15038ft (DefinitiveSurvey)														Warning Alert
3838.85	32.81	3836.84	3806.05	104327.81		MAS = 10.00 (m)	0.00	0.00				Surface		
3838.81	32.81	3836.74	3806.00	39051.30		MAS = 10.00 (m)	23.00	23.00				WRP		
3838.41	32.81	3835.38	3805.61	3684.04		MAS = 10.00 (m)	190.00	190.00				MinPts		
3841.47	32.81	3833.82	3808.66	677.36		MAS = 10.00 (m)	800.00	800.00				MinPt-EOU		
3843.39	32.81	3833.51	3810.58	486.21		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
3845.17	32.81	3833.25	3812.36	378.32		MAS = 10.00 (m)	1380.00	1380.00				MinPt-EOU		
3850.69	32.81	3832.15	3817.88	229.45		MAS = 10.00 (m)	2250.00	2250.00				MinPt-EOU		
735.10	224.11	585.16	510.99	4.95		OSF1.50	10730.00	10513.23	OSF<5.00			Enter Alert		
671.97	234.77	514.92	437.21	4.31		OSF1.50	10840.00	10587.45				MinPt-SF		
535.62	210.44	394.79	325.18	3.84		OSF1.50	11320.00	10726.39				MinPt-SF		
533.43	209.19	393.43	324.24	3.84		OSF1.50	11360.00	10728.63				MinPt-ADP		
532.82	208.40	393.36	324.43	3.85		OSF1.50	11380.00	10729.31				MinPt-EOU		
530.60	201.90	395.47	328.71	3.96		OSF1.50	11540.00	10729.79				MinPt-EOU		
529.58	198.85	396.46	330.71	4.02		OSF1.50	11630.00	10729.79				MinPt-CtCt		
529.47	193.98	399.62	335.49	4.12		OSF1.50	11760.00	10729.80				MinPt-CtCt		
525.64	177.78	406.62	347.86	4.46		OSF1.50	12270.00	10729.82				MinPt-ADP		
517.83	167.97	405.35	349.85	4.65		OSF1.50	12600.00	10729.84				MinPt-EOU		
517.05	165.54	406.19	351.52	4.71		OSF1.50	12690.00	10729.84				MinPt-CtCt		
524.97	158.60	418.74	366.37	5.00		OSF1.50	12950.00	10729.86	OSF>5.00			Exit Alert		
527.47	145.28	430.11	382.19	5.49		OSF1.50	14460.00	10729.93				MinPt-SF		
527.32	145.21	430.02	382.11	5.49		OSF1.50	14480.00	10729.93				MinPts		
527.30	145.17	430.02	382.13	5.49		OSF1.50	14490.00	10729.93				MinPt-CtCt		
505.33	153.61	402.42	351.72	4.97		OSF1.50	14730.00	10729.95	OSF<5.00			Enter Alert		
448.25	161.60	339.66	286.65	4.20		OSF1.50	15057.05	10729.96				MinPts		
448.25	161.62	339.64	286.64	4.20		OSF1.50	15060.00	10729.96				MinPts		
508.63	156.28	402.80	352.35	4.99		OSF1.50	15330.00	10729.98	OSF>5.00			Exit Alert		
5881.16	140.39	5786.80	5740.77	63.86		OSF1.50	21013.17	10730.00				TD		
30-025-40578 - Cimarex Triste Draw 36 State 6H Gyro+MWD Off to 11368ft MD (DefinitiveSurvey)														Warning Alert
3838.85	32.81	3836.84	3806.05	104327.81		MAS = 10.00 (m)	0.00	0.00				Surface		
3838.81	32.81	3836.74	3806.00	39051.30		MAS = 10.00 (m)	23.00	23.00				WRP		
3838.41	32.81	3835.38	3805.61	3684.04		MAS = 10.00 (m)	190.00	190.00				MinPts		
3841.47	32.81	3833.82	3808.66	677.36		MAS = 10.00 (m)	800.00	800.00				Min		

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status	
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major			
Cimarex Triste Draw 25 Fed Com #19H Rev0 RM 31Jul19 (DefinitivePlan)														Warning Alert
4599.21	32.81	4597.23	4566.40		N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
4599.21	32.81	4597.19	4566.40	98057.71		MAS = 10.00 (m)	23.00	23.00					WRP	
4599.21	32.81	4588.58	4566.40	531.06		MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
4599.21	32.81	4579.51	4566.40	256.25		MAS = 10.00 (m)	2200.00	2200.00					MinPts	
4599.37	32.81	4579.34	4566.56	251.71		MAS = 10.00 (m)	2240.00	2240.00					MinPt-EOU	
579.91	176.56	461.44	403.34	4.97		OSF1.50	15980.00	10730.01	OSF<5.00				Enter Alert	
489.80	186.39	365.04	303.41	3.96		OSF1.50	16290.00	10730.02					MinPt-SF	
489.70	186.29	365.01	303.41	3.96		OSF1.50	16300.00	10730.02					MinPts	
489.70	186.29	365.01	303.41	3.96		OSF1.50	16300.61	10730.02					MinPt-CtCt	
588.42	283.92	398.65	304.51	3.12		OSF1.50	21010.00	10730.00					MinPt-CtCt	
588.43	283.98	398.61	304.45	3.12		OSF1.50	21013.17	10730.00					MinPts	
30-025-41150 - TRISTE DRAW 25 FEDERAL COM 3H - MWD to 15359ft - A (DefinitiveSurvey)														Warning Alert
4414.25	32.81	4412.27	4381.44	1269316.51		MAS = 10.00 (m)	0.00	0.00					MinPts	
4414.33	32.81	4412.30	4381.52	86578.10		MAS = 10.00 (m)	23.00	23.00					WRP	
4423.91	32.81	4415.32	4391.10	668.95		MAS = 10.00 (m)	740.00	740.00					MinPt-EOU	
4425.81	32.81	4413.56	4393.00	430.79		MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
4425.60	32.81	4410.99	4392.79	344.22		MAS = 10.00 (m)	1350.00	1350.00					MinPts	
4425.17	33.71	4402.11	4391.46	207.68		OSF1.50	2200.00	2200.00					MinPt-CtCt	
4425.42	34.46	4401.86	4390.96	202.94		OSF1.50	2250.00	2250.00					MinPt-EOU	
4425.68	34.75	4401.93	4390.93	201.16		OSF1.50	2270.00	2269.99					MinPt-ADP	
5579.62	156.51	5474.75	5423.12	54.02		OSF1.50	10180.00	9999.80					MinPt-CtCt	
839.34	209.37	699.26	629.97	6.05		OSF1.50	16252.67	10730.02					MinPt-CtCt	
839.48	209.90	699.05	629.58	6.03		OSF1.50	16270.00	10730.02					MinPt-EOU	
839.69	210.19	699.07	629.50	6.02		OSF1.50	16280.00	10730.02					MinPt-ADP	
845.35	212.49	703.19	632.86	6.00		OSF1.50	16370.00	10730.02					MinPt-SF	
885.96	231.06	731.44	654.92	5.78		OSF1.50	17320.00	10730.03					MinPt-CtCt	
886.92	233.89	730.49	653.03	5.72		OSF1.50	17430.00	10730.03					MinPt-EOU	
885.44	266.71	707.14	618.74	5.00		OSF1.50	18480.00	10730.00	OSF<5.00				Enter Alert	
866.00	294.87	668.92	571.13	4.42		OSF1.50	19260.00	10729.97					MinPt-CtCt	
867.58	300.63	666.66	566.95	4.34		OSF1.50	19420.00	10729.97					MinPt-EOU	
869.35	302.74	667.03	566.62	4.32		OSF1.50	19480.00	10729.97					MinPt-ADP	
871.00	357.94	631.87	513.06	3.66		OSF1.50	20790.00	10729.99					MinPt-CtCt	
871.04	358.10	631.81	512.94	3.66		OSF1.50	20800.00	10729.99					MinPts	
871.20	358.23	631.88	512.97	3.66		OSF1.50	20810.00	10729.99					MinPt-SF	
898.86	353.51	662.69	545.35	3.82		OSF1.50	21013.17	10730.00					TD	
30-025-40184 - Cimarex Triste Draw 36 State 1H Gyro+MWD Offt to 13942ft MD (Offset) (DefinitiveSurvey)														Warning Alert
4158.80	32.81	4156.74	4125.99	48945.93		MAS = 10.00 (m)	0.00	0.00					Surface	
4158.79	32.81	4156.72	4125.98	43657.75		MAS = 10.00 (m)	23.00	23.00					WRP	
4154.72	32.81	4144.84	4121.91	525.83		MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
4154.65	32.81	4144.33	4121.84	485.05		MAS = 10.00 (m)	1180.00	1180.00					MinPts	
4155.23	32.81	4143.22	4122.42	405.28		MAS = 10.00 (m)	1440.00	1440.00					MinPt-EOU	
4156.09	32.81	4142.75	4123.28	358.59		MAS = 10.00 (m)	1650.00	1650.00					MinPts	
4156.16	32.81	4139.85	4123.35	285.51		MAS = 10.00 (m)	2080.00	2080.00					MinPts	
4156.52	32.81	4139.05	4123.71	264.61		MAS = 10.00 (m)	2250.00	2250.00					MinPt-EOU	
901.74	272.70	719.16	629.04	4.99		OSF1.50	9640.00	9459.80	OSF<5.00				Enter Alert	
898.41	275.00	713.96	623.41	4.94		OSF1.50	9717.38	9537.18					MinPt-CtCt	
898.50	275.22	713.85	623.29	4.94		OSF1.50	9730.00	9549.80					MinPts	
905.45	275.34	720.27	630.11	4.99		OSF1.50	9830.00	9649.80	OSF>5.00				Exit Alert	
1418.47	167.96	1302.50	1250.51	13.53		OSF1.50	11490.00	10729.78					MinPt-ADP	
1418.18	167.63	1302.44	1250.55	13.55		OSF1.50	11510.00	10729.79					MinPt-EOU	
1417.94	166.98	1302.66	1250.96	13.60		OSF1.50	11550.00	10729.79					MinPt-CtCt	
1419.16	161.72	1307.38	1257.44	14.09		OSF1.50	11780.00	10729.80					MinPt-CtCt	
1419.56	156.17	1311.48	1263.39	14.64		OSF1.50	12080.00	10729.81					MinPts	
1419.53	156.11	1311.50	1263.43	14.64		OSF1.50	12090.00	10729.81					MinPt-CtCt	
1435.10	140.47	1337.50	1294.64	16.60		OSF1.50	13160.00	10729.87					MinPt-ADP	
1434.86	140.21	1337.42	1294.65	16.64		OSF1.50	13170.00	10729.87					MinPt-EOU	
1429.64	139.12	1332.91	1290.52	16.72		OSF1.50	13280.00	10729.87					MinPt-SF	
1426.22	139.04	1329.58	1287.18	16.68		OSF1.50	13420.00	10729.88					MinPt-CtCt	
1426.22	139.08	1329.56	1287.14	16.67		OSF1.50	13430.00	10729.88					MinPts	
1427.10	139.30	1330.31	1287.80	16.64		OSF1.50	13490.00	10729.88					MinPt-SF	
1426.23	137.97	1330.29	1288.26	16.82		OSF1.50	13660.00	10729.89					MinPt-CtCt	
1426.23	137.99	1330.28	1288.24	16.82		OSF1.50	13670.00	10729.89					MinPts	
1426.53	138.09	1330.52	1288.44	16.81		OSF1.50	13720.00	10729.90					MinPt-SF	
1440.34	140.35	1342.86	1299.99	16.66		OSF1.50	14320.00	10729.93					MinPt-SF	
1440.58	139.98	1343.32	1300.60	16.72		OSF1.50	14340.00	10729.93					MinPt-CtCt	
1440.64	140.25	1343.21	1300.40	16.69		OSF1.50	14370.00	10729.93					MinPt-EOU	
1440.80	140.43	1343.24	1300.35	16.66		OSF1.50	14390.00	10729.93					MinPt-ADP	
1442.42	141.24	1344.33	1301.18	16.58		OSF1.50	14490.00	10729.93					MinPt-SF	
1438.34	146.54	1336.67	1291.80	15.89		OSF1.50	15020.00	10729.96					MinPt-CtCt	
1438.73	147.59	1336.37	1291.14	15.77		OSF1.50	15090.00	10729.96					MinPt-EOU	
1439.09	148.05	1336.42	1291.03	15.72		OSF1.50	15120.00	10729.96					MinPt-ADP	
1467.73	153.68	1361.41	1314.05	15.37		OSF1.50	15460.00	10729.98					MinPt-SF	
5824.64	156.15	5719.24	5668.49	57.34		OSF1.50	21013.17	10730.00					TD	
30-025-21081 - BRINNINSTOOL P UNIT 1 - INC Only to 17649ft - P&A (DefinitiveSurvey)														Warning Alert
1252.19	32.81	1250.21	1219.38		N/A	MAS = 10.00 (m)	0.00	0.00					Surface	
1252.19	32.81	1250.15	1219.38	21225.22		MAS = 10.00 (m)	23.00	23.00					WRP	
1252.19	139.47	1158.62	1112.72	13.62		OSF1.50	2200.00	2200.00					MinPt-CtCt	
1254.65	147.94	1155.43	1106.71	12.86		OSF1.50	2320.00	2319.96					MinPt-EOU	
1258.35	152.40	1156.16	1106.93	12.51		OSF1.50	2390.00	2389.86					MinPt-ADP	
2252.99	677.64	1800.68	1575.34	5.00		OSF1.50	11940.00	10729.81	OSF<5.00				Enter Alert	
2167.84	679.31	1714.47	1488.54	4.79		OSF1.50	12550.00	10729.84					MinPt-CtCt	
2167.85	679.34	1714.46	1488.51	4.79		OSF1.50	12560.00	10729.84					MinPts	
2168.00	679.40	1714.57	1488.60	4.79		OSF1.50	12580.00	10729.84					MinPt-SF	
2265.06	681.22	1810.41	1583.84	5.00		OSF1.50	132							

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	929.58	171.13	815.17	758.45	8.19	OSF1.50	10440.00	10258.69				MinPt-SF	
	2549.76	239.42	2389.82	2310.34	16.03	OSF1.50	16870.00	10730.03				MinPt-CtCt	
	2549.76	360.81	2306.90	2188.96	10.63	OSF1.50	21013.17	10730.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdy 19Oct23 (DefinitivePlan)													Pass
134.15	32.81	132.87	101.34	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
134.15	32.81	132.86	101.34	N/A		MAS = 10.00 (m)	23.00	23.00				WRP	
134.15	32.81	122.58	101.34	12.90		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
134.15	32.81	115.75	101.34	7.65		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
134.41	32.81	115.43	101.60	7.41		MAS = 10.00 (m)	1860.00	1860.00				MinPt-EOU	
144.06	32.81	122.46	111.25	6.94		MAS = 10.00 (m)	2140.00	2140.00				MinPt-SF	
1186.82	170.79	1072.63	1016.03	10.48		OSF1.50	10340.00	10159.79				MinPt-EOU	
1186.92	170.91	1072.65	1016.01	10.47		OSF1.50	10350.00	10169.77				MinPt-ADP	
1190.05	171.94	1075.09	1018.10	10.43		OSF1.50	10460.00	10278.10				MinPt-SF	
1834.50	261.84	1659.61	1572.66	10.54		OSF1.50	17500.00	10730.03				MinPt-CtCt	
1834.56	363.95	1591.59	1470.60	7.58		OSF1.50	21013.17	10730.00				MinPts	
30-025-40665 - Cimarex Triste Draw 36 State 2H MWD Off to 13691ft (DefinitiveSurvey)													Pass
3959.48	32.81	3957.48	3926.67	216937.43		MAS = 10.00 (m)	0.00	0.00				Surface	
3959.47	32.81	3957.42	3926.66	55118.32		MAS = 10.00 (m)	23.00	23.00				WRP	
3959.32	32.81	3956.39	3926.51	4159.57		MAS = 10.00 (m)	190.00	190.00				MinPts	
3957.85	32.81	3948.53	3925.04	539.17		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
3953.80	32.81	3936.86	3920.99	260.44		MAS = 10.00 (m)	2200.00	2200.00				MinPts	
3953.87	32.81	3936.74	3921.06	257.07		MAS = 10.00 (m)	2230.00	2230.00				MinPt-EOU	
948.41	125.91	862.12	822.51	11.88		OSF1.50	9980.00	9799.80				MinPt-SF	
948.16	126.06	861.67	822.09	11.89		OSF1.50	10000.00	9819.80				MinPt-CtCt	
948.18	126.14	861.60	822.05	11.89		OSF1.50	10010.00	9829.80				MinPts	
919.65	127.43	829.91	792.22	12.01		OSF1.50	11594.12	10729.79				MinPt-CtCt	
919.79	127.82	829.82	791.97	11.96		OSF1.50	11610.00	10729.79				MinPt-EOU	
920.02	128.06	829.91	791.95	11.93		OSF1.50	11620.00	10729.79				MinPt-ADP	
920.35	128.31	830.10	792.04	11.91		OSF1.50	11630.00	10729.79				MinPt-SF	
998.27	117.82	915.08	880.45	14.21		OSF1.50	13050.00	10729.86				MinPt-SF	
1010.79	117.08	928.06	893.72	14.51		OSF1.50	13330.00	10729.88				MinPt-SF	
940.08	137.38	843.84	802.70	11.26		OSF1.50	15170.00	10729.97				MinPt-CtCt	
940.53	138.72	843.40	801.80	11.14		OSF1.50	15210.00	10729.97				MinPt-EOU	
940.81	139.06	843.46	801.75	11.11		OSF1.50	15220.00	10729.97				MinPt-ADP	
971.34	146.97	868.88	824.37	10.76		OSF1.50	15460.00	10729.98				MinPt-SF	
5538.17	154.47	5433.76	5383.70	55.27		OSF1.50	21013.17	10730.00				TD	
30-025-42082 - Cimarex Triste Draw 25 Federal Com 10H MWD Off to 14126ft (DefinitiveSurvey)													Pass
4667.19	32.81	4665.21	4634.38	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
4667.18	32.81	4665.11	4634.37	50669.57		MAS = 10.00 (m)	23.00	23.00				WRP	
4658.08	32.81	4645.61	4625.27	443.80		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4655.82	32.81	4639.22	4623.01	313.71		MAS = 10.00 (m)	1550.00	1550.00				MinPts	
4657.14	32.81	4637.23	4624.33	256.55		MAS = 10.00 (m)	1910.00	1910.00				MinPt-EOU	
4660.49	33.24	4637.74	4627.25	222.00		OSF1.50	2210.00	2210.00				MinPt-ADP	
5743.49	155.50	5639.29	5587.99	55.97		OSF1.50	10370.00	10189.69				MinPt-SF	
941.03	171.56	826.15	769.47	8.29		OSF1.50	16789.86	10730.03				MinPt-CtCt	
941.25	172.32	825.87	768.93	8.25		OSF1.50	16820.00	10730.03				MinPt-EOU	
941.65	172.82	825.93	768.83	8.23		OSF1.50	16840.00	10730.03				MinPt-ADP	
968.43	186.19	843.80	782.24	7.85		OSF1.50	17420.00	10730.03				MinPt-ADP	
952.25	207.78	813.24	744.48	6.91		OSF1.50	18330.00	10730.01				MinPt-CtCt	
952.80	209.38	812.71	743.42	6.86		OSF1.50	18390.00	10730.00				MinPt-EOU	
953.49	210.17	812.87	743.32	6.84		OSF1.50	18420.00	10730.00				MinPt-ADP	
963.52	218.94	817.05	744.57	6.64		OSF1.50	18760.00	10729.99				MinPt-EOU	
965.12	234.21	808.48	730.92	6.21		OSF1.50	19340.00	10729.97				MinPt-CtCt	
966.42	237.65	807.48	728.76	6.13		OSF1.50	19470.00	10729.97				MinPt-EOU	
963.16	251.13	795.24	712.03	5.78		OSF1.50	19980.00	10729.97				MinPt-CtCt	
953.02	274.05	769.82	678.97	5.24		OSF1.50	20780.00	10729.99				MinPt-CtCt	
953.19	274.67	769.59	678.53	5.23		OSF1.50	20800.00	10729.99				MinPt-EOU	
953.43	274.95	769.64	678.49	5.22		OSF1.50	20810.00	10729.99				MinPt-ADP	
955.45	275.88	771.03	679.57	5.22		OSF1.50	20850.00	10729.99				MinPt-SF	
980.67	276.62	795.75	704.05	5.34		OSF1.50	21013.17	10730.00				TD	
30-025-43998 - Cimarex Triste Draw 25 Federal 12H MWD Off to 14078ft (DefinitiveSurvey)													Pass
4573.49	32.81	4571.46	4540.69	84052.30		MAS = 10.00 (m)	0.00	0.00				Surface	
4573.45	32.81	4571.32	4540.65	30370.41		MAS = 10.00 (m)	23.00	23.00				WRP	
4562.39	32.81	4550.03	4529.58	439.42		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4559.89	32.81	4544.92	4527.08	344.97		MAS = 10.00 (m)	1400.00	1400.00				MinPts	
4562.07	32.81	4543.89	4529.26	277.75		MAS = 10.00 (m)	1750.00	1750.00				MinPt-EOU	
5806.32	155.49	5702.12	5650.83	56.59		OSF1.50	10370.00	10189.69				MinPt-SF	
952.84	168.14	840.25	784.70	8.56		OSF1.50	16890.00	10730.03				MinPt-CtCt	
953.21	169.24	839.88	783.97	8.51		OSF1.50	16930.00	10730.03				MinPt-EOU	
953.83	170.03	839.98	783.80	8.48		OSF1.50	16960.00	10730.03				MinPt-ADP	
960.60	175.92	842.81	784.67	8.25		OSF1.50	17240.00	10730.03				MinPt-EOU	
961.24	176.69	842.94	784.54	8.22		OSF1.50	17270.00	10730.03				MinPt-ADP	
960.20	186.03	835.69	774.18	7.79		OSF1.50	17690.00	10730.03				MinPt-CtCt	
960.70	187.65	835.11	773.06	7.73		OSF1.50	17750.00	10730.03				MinPt-EOU	
958.96	194.89	828.54	764.08	7.43		OSF1.50	18060.00	10730.02				MinPt-CtCt	
959.48	196.81	827.78	762.67	7.36		OSF1.50	18130.00	10730.01				MinPt-EOU	
959.79	199.84	826.06	759.95	7.25		OSF1.50	18260.00	10730.01				MinPt-CtCt	
960.44	202.56	824.90	757.88	7.15		OSF1.50	18360.00	10730.01				MinPt-EOU	
961.38	203.68	825.10	757.70	7.12		OSF1.50	18400.00	10730.00				MinPt-ADP	
961.46	210.02	820.94	751.44	6.91		OSF1.50	18660.00	10729.99				MinPt-CtCt	
960.76	215.00	816.95	745.79	6.74		OSF1.50	18850.00	10729.98				MinPt-CtCt	
960.55	218.97	814.07	741.58	6.61		OSF1.50	19000.00	10729.98				MinPt-CtCt	
947.99	235.78	790.31	712.22	6.06		OSF1.50	19621.44	10729.97				MinPt-CtCt	
948.04	238.76	788.36	709.27	5.98		OSF1.50	19730.00	10729.97				MinPt-CtCt	
949.15	242.79	786.79	706.37	5.89		OSF1.50	19870.00						

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
4425.71	32.81	4416.16	4392.86	579.14	MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
4425.52	32.81	4414.14	4392.71	460.12	MAS = 10.00 (m)	1360.00	1360.00					MinPts	
4425.06	32.81	4407.87	4392.25	286.67	MAS = 10.00 (m)	2200.00	2200.00					MinPts	
4425.21	32.81	4407.73	4392.40	281.33	MAS = 10.00 (m)	2240.00	2240.00					MinPt-EOU	
5579.68	118.08	5500.30	5461.50	71.89	OSF1.50	10180.00	9999.80					MinPt-CtCt	
5580.04	119.24	5499.95	5460.80	71.24	OSF1.50	10310.00	10129.80					MinPt-EOU	
949.26	175.46	829.60	773.80	8.43	OSF1.50	16178.49	10730.02					MinPt-CtCt	
949.50	176.25	829.32	773.25	8.40	OSF1.50	16200.00	10730.02					MinPt-EOU	
949.78	176.60	829.36	773.18	8.38	OSF1.50	16210.00	10730.02					MinPt-ADP	
958.32	179.58	835.94	778.74	8.31	OSF1.50	16310.00	10730.02					MinPt-SF	
4926.96	150.24	4825.91	4776.72	50.06	OSF1.50	21013.17	10730.00					TD	

30-025-40343 - Cimarex Triste Draw 36 State 4H Gyro+MWD Off to 15427ft MD (Offset) (DefinitiveSurvey)

3693.74	32.81	3691.69	3660.93	52275.95	MAS = 10.00 (m)	0.00	0.00					Pass	
3693.76	32.81	3691.61	3660.95	21823.09	MAS = 10.00 (m)	23.00	23.00					MinPts	
3693.94	32.81	3691.50	3661.13	8023.58	MAS = 10.00 (m)	80.00	80.00					WRP	
3690.90	32.81	3681.43	3658.09	492.53	MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
3690.11	32.81	3679.34	3657.30	409.53	MAS = 10.00 (m)	1310.00	1310.00					MinPts	
3693.10	32.81	3676.94	3660.29	256.42	MAS = 10.00 (m)	2080.00	2080.00					MinPt-EOU	
1143.83	281.15	955.85	862.67	6.13	OSF1.50	10850.00	10593.40					MinPts	
1140.22	253.70	970.55	886.52	6.78	OSF1.50	10940.00	10640.40					MinPt-CtCt	
1152.06	217.41	1006.58	934.65	8.00	OSF1.50	11930.00	10729.81					MinPt-ADP	
1150.10	214.93	1006.27	935.17	8.08	OSF1.50	12010.00	10729.81					MinPt-EOU	
1149.55	214.17	1006.24	935.39	8.10	OSF1.50	12040.00	10729.81					MinPt-EOU	
1149.05	212.78	1006.70	936.31	8.15	OSF1.50	12100.00	10729.81					MinPt-CtCt	
1142.83	190.91	1015.06	951.32	9.04	OSF1.50	12700.00	10729.84					MinPt-ADP	
1134.91	184.90	1011.15	950.01	9.27	OSF1.50	12890.00	10729.85					MinPt-ADP	
1120.06	176.13	1002.15	943.94	9.61	OSF1.50	13190.00	10729.87					MinPt-ADP	
1088.03	166.14	976.76	921.88	9.90	OSF1.50	13480.00	10729.88					MinPt-SF	
1063.06	163.45	953.60	899.61	9.83	OSF1.50	13680.00	10729.89					MinPt-SF	
990.50	159.55	883.64	830.95	9.39	OSF1.50	14645.62	10729.94					MinPt-CtCt	
990.53	159.66	883.59	830.87	9.38	OSF1.50	14660.00	10729.94					MinPt-EOU	
990.59	159.74	883.60	830.85	9.38	OSF1.50	14670.00	10729.94					MinPt-ADP	
994.09	160.85	886.36	833.24	9.34	OSF1.50	14800.00	10729.95					MinPt-SF	
5660.75	148.02	5561.56	5512.72	57.94	OSF1.50	21013.17	10730.00					TD	

30-025-40667 - Cimarex Triste Draw 36 State 5H Gyro+MWD Off to 13910ft MD (DefinitiveSurvey)

3697.99	32.81	3695.96	3665.18	73249.15	MAS = 10.00 (m)	0.00	0.00					Pass	
3697.86	32.81	3695.75	3665.05	27637.12	MAS = 10.00 (m)	23.00	23.00					Surface	
3689.81	32.81	3679.71	3657.00	454.35	MAS = 10.00 (m)	1090.00	1090.00					MinPts	
3689.72	32.81	3679.46	3656.91	434.11	MAS = 10.00 (m)	1150.00	1150.00					MinPts	
3689.73	32.81	3677.98	3656.92	369.27	MAS = 10.00 (m)	1380.00	1380.00					MinPts	
3689.98	32.81	3677.70	3657.17	350.63	MAS = 10.00 (m)	1460.00	1460.00					MinPt-EOU	
3690.03	32.81	3676.95	3657.22	325.68	MAS = 10.00 (m)	1580.00	1580.00					MinPts	
3690.11	32.81	3675.20	3657.30	280.37	MAS = 10.00 (m)	1850.00	1850.00					MinPts	
3690.24	32.81	3673.83	3657.44	251.67	MAS = 10.00 (m)	2070.00	2070.00					MinPts	
3690.70	32.81	3673.14	3657.89	233.46	MAS = 10.00 (m)	2240.00	2240.00					MinPt-EOU	
1011.01	301.10	808.67	709.92	5.09	OSF1.50	9934.53	9754.33					MinPts	
1011.03	301.15	808.63	709.93	5.09	OSF1.50	9940.00	9759.80					MinPts	
1352.94	188.65	1223.59	1164.29	11.32	OSF1.50	11610.00	10729.79					MinPt-ADP	
1349.70	184.97	1222.81	1164.74	11.53	OSF1.50	11740.00	10729.80					MinPt-ADP	
1348.04	182.98	1222.47	1165.05	11.64	OSF1.50	11820.00	10729.80					MinPt-EOU	
1340.07	172.79	1221.29	1167.27	12.30	OSF1.50	12190.00	10729.82					MinPt-EOU	
1339.41	172.02	1221.18	1167.38	12.35	OSF1.50	12220.00	10729.82					MinPt-ADP	
1336.09	167.93	1220.60	1168.15	12.64	OSF1.50	12400.00	10729.83					MinPt-ADP	
1335.51	167.25	1220.49	1168.26	12.68	OSF1.50	12440.00	10729.83					MinPt-EOU	
1334.97	165.52	1221.12	1169.44	12.82	OSF1.50	12540.00	10729.84					MinPt-CtCt	
1332.94	159.96	1222.77	1172.98	13.28	OSF1.50	12750.00	10729.85					MinPt-ADP	
1331.49	158.28	1222.46	1173.22	13.41	OSF1.50	12850.00	10729.85					MinPt-EOU	
1303.57	146.64	1202.27	1156.94	14.26	OSF1.50	13590.00	10729.89					MinPts	
1302.13	145.15	1201.81	1156.98	14.40	OSF1.50	13780.00	10729.90					MinPts	
1301.37	143.28	1202.25	1158.08	14.61	OSF1.50	14350.00	10729.93					MinPt-CtCt	
1301.44	143.49	1202.20	1157.95	14.59	OSF1.50	14380.00	10729.93					MinPt-EOU	
1301.56	143.63	1202.22	1157.93	14.57	OSF1.50	14400.00	10729.93					MinPt-ADP	
1301.64	143.70	1202.26	1157.94	14.58	OSF1.50	14410.00	10729.93					MinPt-SF	
1283.75	146.25	1182.62	1137.50	14.11	OSF1.50	14910.00	10729.95					MinPt-CtCt	
1284.07	147.20	1182.31	1136.87	14.01	OSF1.50	14950.00	10729.96					MinPt-EOU	
1284.26	147.43	1182.35	1136.83	13.99	OSF1.50	14960.00	10729.96					MinPt-ADP	
1322.42	155.48	1215.25	1166.95	13.58	OSF1.50	15300.00	10729.97					MinPt-SF	
5797.84	160.12	5689.75	5637.72	55.67	OSF1.50	21013.17	10730.00					TD	

30-025-42102 - Cimarex Triste Draw 25 Federal Com 8H MWD Off to 14100ft (DefinitiveSurvey)

4667.15	32.81	4665.21	4634.35	N/A	MAS = 10.00 (m)	0.00	0.00					Pass	
4667.20	32.81	4665.16	4634.39	82312.81	MAS = 10.00 (m)	23.00	23.00					MinPts	
4667.36	32.81	4665.10	4634.56	16174.81	MAS = 10.00 (m)	80.00	80.00					WRP	
4667.66	32.81	4665.09	4634.85	7899.60	MAS = 10.00 (m)	130.00	130.00					MinPt-EOU	
4668.50	32.81	4665.17	4635.70	3445.12	MAS = 10.00 (m)	220.00	220.00					MinPt-EOU	
4669.19	32.81	4665.16	4636.38	2281.23	MAS = 10.00 (m)	290.00	290.00					MinPt-EOU	
4673.62	32.81	4663.78	4640.71	601.51	MAS = 10.00 (m)	840.00	840.00					MinPts	
4673.58	32.81	4661.84	4640.77	478.63	MAS = 10.00 (m)	1040.00	1040.00					MinPts	
4673.66	32.81	4661.48	4640.85	458.23	MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU	
4678.82	32.81	4656.70	4646.02	229.67	MAS = 10.00 (m)	2120.00	2120.00					MinPt-EOU	
4680.11	33.89	4656.93	4646.22	218.41	OSF1.50	2230.00	2230.00					MinPt-ADP	
5793.61	157.52	5688.06	5636.09	55.73	OSF1.50	10360.00	10179.74					MinPt-SF	
1203.88	191.24	1075.89	1012.64	9.51	OSF1.50	16830.00	10730.03					MinPt-CtCt	
1204.00	191.64	1075.74	1012.36	9.49	OSF1.50	16850.00	10730.03					MinPt-EOU	
1204.31	192.04	1075.79	1012.23	9.47	OSF1.50	16870.00	10730.03					MinPt-ADP	
1178.94	243.93	1015.81	935.00	7.29	OSF1.50	19110.00	10729.98					MinPt-CtCt	
1180.00	247.14	1014.74	932.86	7.20	OSF1.50	19240.00	10729.97					MinPt-EOU	
1166.96	264.43	990.19	902.55	6.65	OSF1.50	19910.00	10729.97					MinPt-CtCt	
1167.92	267.31	989.22	900.61	6.58	OSF1.50	20020.00	10729.97					MinPt-EOU	
1157.21	288.49	964.38	868.72	6.04	OSF1.50	20780.87	10729.99					MinPt-CtCt	
1157.37	288.93	964.25	868.44	6.03	OSF1.50	20800.00	10729.99					MinPt-EOU	
1157.58	289.14	964.32	868.44	6.03	OSF1.50	20810.00	10729.99					MinPt-ADP	
1159.27	289.84	965.55	869.44	6.02	OSF1.50	20850.00	10729.99					MinPt-SF	
1180.30	290.40	986.20	889.90	6.12	OSF1.50	21013.17	10730.00					TD	

30-025-43997 - Cimarex Triste Draw 25 Federal 11H M

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
4669.80	32.81	4657.60	4636.99	465.81	MAS = 10.00 (m)		1090.00	1090.00				MinPt-EOU	
4671.44	32.81	4655.64	4638.63	332.55	MAS = 10.00 (m)		1510.00	1510.00				MinPt-EOU	
4672.82	32.81	4655.42	4640.01	298.69	MAS = 10.00 (m)		1670.00	1670.00				MinPt-EOU	
5746.70	149.87	5646.25	5596.83	58.13	OSF1.50		10090.00	9909.80				MinPt-SF	
1210.91	168.07	1098.36	1042.83	10.89	OSF1.50		16934.29	10730.03				MinPt-CtCt	
1211.80	170.61	1097.56	1041.19	10.74	OSF1.50		17040.00	10730.03				MinPt-EOU	
1212.78	171.83	1097.73	1040.95	10.67	OSF1.50		17090.00	10730.03				MinPt-ADP	
1218.59	177.22	1099.94	1041.37	10.39	OSF1.50		17330.00	10730.03				MinPt-EOU	
1215.56	182.45	1093.43	1033.11	10.06	OSF1.50		17560.00	10730.03				MinPt-CtCt	
1215.50	189.15	1088.90	1026.35	9.70	OSF1.50		17840.00	10730.02				MinPt-CtCt	
1216.71	193.24	1087.38	1023.47	9.51	OSF1.50		18000.00	10730.02				MinPt-EOU	
1218.20	195.04	1087.67	1023.16	9.43	OSF1.50		18070.00	10730.02				MinPt-ADP	
1217.33	204.03	1080.82	1013.31	9.01	OSF1.50		18430.00	10730.00				MinPt-CtCt	
1218.23	206.49	1080.07	1011.74	8.90	OSF1.50		18520.00	10730.00				MinPt-EOU	
1219.38	207.85	1080.32	1011.53	8.85	OSF1.50		18570.00	10730.00				MinPt-ADP	
1228.45	222.53	1079.59	1005.92	8.33	OSF1.50		19130.00	10729.98				MinPt-CtCt	
1229.09	224.53	1078.90	1004.56	8.26	OSF1.50		19200.00	10729.97				MinPt-EOU	
1230.03	225.65	1079.09	1004.38	8.22	OSF1.50		19240.00	10729.97				MinPt-ADP	
1230.72	230.73	1076.40	999.99	8.04	OSF1.50		19430.00	10729.97				MinPt-CtCt	
1231.79	233.84	1075.39	997.95	7.94	OSF1.50		19540.00	10729.97				MinPt-EOU	
1233.16	235.52	1075.64	997.64	7.89	OSF1.50		19600.00	10729.97				MinPt-ADP	
1240.58	242.19	1078.62	998.39	7.72	OSF1.50		19840.00	10729.97				MinPt-EOU	
1244.27	248.40	1078.18	995.88	7.55	OSF1.50		20060.00	10729.97				MinPt-EOU	
1245.70	250.11	1078.46	995.59	7.51	OSF1.50		20120.00	10729.97				MinPt-ADP	
1251.82	259.86	1078.12	992.02	7.26	OSF1.50		20460.00	10729.98				MinPt-EOU	
1254.93	263.53	1078.75	991.41	7.18	OSF1.50		20590.00	10729.98				MinPt-ADP	
1271.62	272.01	1089.78	999.61	7.04	OSF1.50		20900.00	10729.99				MinPt-SF	
1287.02	273.51	1104.18	1013.51	7.09	OSF1.50		21013.17	10730.00				TD	

30-025-44001 - Cimarex Triste Draw 25 Federal 13H MWD to 13778ft MD TD (Surcon Corr) (DefinitiveSurvey)

Pass

4573.67	32.81	4571.61	4540.86	52216.46	MAS = 10.00 (m)		0.00	0.00				Surface	
4573.57	32.81	4571.39	4540.77	22175.79	MAS = 10.00 (m)		23.00	23.00				WRP	
4562.97	32.81	4550.53	4530.16	436.10	MAS = 10.00 (m)		1090.00	1090.00				MinPt-EOU	
4559.63	32.81	4544.21	4526.87	332.64	MAS = 10.00 (m)		1440.00	1440.00				MinPts	
4560.03	32.81	4543.86	4527.22	316.29	MAS = 10.00 (m)		1530.00	1530.00				MinPt-EOU	
5810.39	150.09	5709.79	5660.30	58.68	OSF1.50		10070.00	9889.80				MinPt-SF	
1298.58	175.82	1180.87	1122.76	11.16	OSF1.50		17160.00	10730.03				MinPt-CtCt	
1268.36	190.52	1160.84	1097.84	10.21	OSF1.50		17810.00	10730.02				MinPt-CtCt	
1278.11	207.56	1139.24	1070.55	9.29	OSF1.50		18509.61	10730.00				MinPt-CtCt	
1279.27	211.51	1137.76	1067.76	9.13	OSF1.50		18660.00	10729.99				MinPt-EOU	
1280.58	213.11	1138.01	1067.47	9.07	OSF1.50		18720.00	10729.99				MinPt-ADP	
1284.50	219.82	1137.46	1064.68	8.82	OSF1.50		18990.00	10729.98				MinPt-CtCt	
1285.34	222.32	1136.63	1063.02	8.72	OSF1.50		19080.00	10729.98				MinPt-EOU	
1287.95	226.24	1136.62	1061.71	8.59	OSF1.50		19230.00	10729.97				MinPt-EOU	
1289.52	228.14	1136.92	1061.38	8.52	OSF1.50		19300.00	10729.97				MinPt-ADP	
1291.49	231.01	1136.98	1060.48	8.43	OSF1.50		19410.00	10729.97				MinPt-EOU	
1292.63	232.40	1137.20	1060.23	8.39	OSF1.50		19460.00	10729.97				MinPt-ADP	
1295.95	236.12	1138.03	1059.83	8.28	OSF1.50		19600.00	10729.97				MinPt-EOU	
1297.34	237.78	1138.32	1059.57	8.23	OSF1.50		19660.00	10729.97				MinPt-ADP	
1301.98	244.16	1138.71	1057.82	8.04	OSF1.50		19900.00	10729.97				MinPt-CtCt	
1304.08	250.06	1136.88	1054.03	7.86	OSF1.50		20110.00	10729.97				MinPt-EOU	
1307.65	254.26	1137.64	1053.38	7.75	OSF1.50		20260.00	10729.97				MinPt-ADP	
1317.59	269.77	1137.24	1047.82	7.36	OSF1.50		20810.00	10729.99				MinPt-EOU	
1317.83	270.06	1137.29	1047.77	7.35	OSF1.50		20820.00	10729.99				MinPt-ADP	
1323.38	272.22	1141.40	1051.16	7.32	OSF1.50		20910.00	10730.00				MinPt-SF	
1337.18	273.73	1154.20	1063.46	7.36	OSF1.50		21013.17	10730.00				TD	

30-025-42198 - Cimarex Triste Draw 25 Federal 9H MWD Off to 13793ft (DefinitiveSurvey)

Pass

4667.19	32.81	4665.21	4634.38	N/A	MAS = 10.00 (m)		0.00	0.00				Surface	
4667.17	32.81	4665.08	4634.36	44180.06	MAS = 10.00 (m)		23.00	23.00				WRP	
4664.46	32.81	4657.64	4631.65	963.94	MAS = 10.00 (m)		550.00	550.00				MinPts	
4665.98	32.81	4653.67	4633.18	459.90	MAS = 10.00 (m)		1090.00	1090.00				MinPt-EOU	
4665.99	32.81	4653.99	4633.19	455.52	MAS = 10.00 (m)		1100.00	1100.00				MinPts	
4665.86	33.67	4642.83	4632.20	219.27	OSF1.50		2210.00	2210.00				MinPt-CtCt	
4665.97	34.04	4642.70	4631.94	216.76	OSF1.50		2240.00	2240.00				MinPt-EOU	
4666.29	34.50	4642.70	4631.79	213.69	OSF1.50		2270.00	2269.99				MinPt-EOU	
4666.85	35.22	4642.78	4631.63	209.12	OSF1.50		2310.00	2309.97				MinPt-ADP	
5765.35	151.94	5663.52	5613.41	57.51	OSF1.50		10030.00	9849.80				MinPt-SF	
5818.51	153.09	5715.92	5665.43	57.60	OSF1.50		10360.00	10179.74				MinPt-SF	
1351.05	174.67	1234.10	1176.38	11.69	OSF1.50		16760.00	10730.03				MinPt-CtCt	
1351.49	175.80	1233.78	1175.68	11.62	OSF1.50		16810.00	10730.03				MinPt-EOU	
1351.88	176.26	1233.88	1175.63	11.59	OSF1.50		16830.00	10730.03				MinPt-ADP	
1320.04	210.23	1179.39	1109.81	9.48	OSF1.50		18300.99	10730.01				MinPt-CtCt	
1321.23	213.00	1178.73	1108.23	9.36	OSF1.50		18410.00	10730.00				MinPt-EOU	
1323.68	216.04	1179.16	1107.65	9.24	OSF1.50		18530.00	10730.00				MinPt-ADP	
1328.93	225.89	1177.84	1103.04	8.87	OSF1.50		18920.00	10729.98				MinPt-EOU	
1331.12	232.91	1175.35	1098.22	8.62	OSF1.50		19190.00	10729.97				MinPt-EOU	
1333.23	235.31	1175.86	1097.92	8.54	OSF1.50		19280.00	10729.97				MinPt-ADP	
1339.81	244.04	1176.61	1095.77	8.28	OSF1.50		19600.00	10729.97				MinPt-EOU	
1341.40	245.93	1176.94	1095.46	8.22	OSF1.50		19670.00	10729.97				MinPt-ADP	
1346.93	258.29	1174.23	1088.63	7.86	OSF1.50		20120.00	10729.97				MinPt-EOU	
1353.68	265.99	1175.85	1087.69	7.67	OSF1.50		20400.00	10729.98				MinPt-ADP	
1364.81	277.05	1179.61	1087.76	7.42	OSF1.50		20800.00	10729.99				MinPt-EOU	
1364.99	277.30	1179.62	1087.69	7.42	OSF1.50		20810.00	10729.99				MinPt-ADP	
1369.03	278.99	1182.54	1090.04	7.39	OSF1.50		20890.00	10729.99				MinPt-SF	
1384.30	280.40	1196.87	1103.91	7.44	OSF1.50		21013.17	10730.00				TD	

Coterra Gin Slinger 23-14 Federal Com 32H Rev0 kFc 19Dec22 (DefinitivePlan)

Pass

10368.30	32.81	10366.27	10335.49	237857.90	MAS = 10.00 (m)		0.00	0.00				Surface	
10368.30	32.81	10366.19	10335.49	82879.67	MAS = 10.00 (m)		23.00	23.00				WRP	
10169.75	58.11	10120.46	10101.68	270.42	OSF1.50		2860.00	2854.18				MinPt-CtCt	
10164.69	70.04	10117.41	10094.65	223.26	OSF1.50		3560.00	3534.84				MinPt-EOU	
10171.68	78.39	10118.83	10093.29	199.07	OSF1.50		4030.00	3991.85				MinPt-ADP	
1492.63	286.71	1301.05	1205.98	7.84	OSF1.50		21013.17	10730.00				MinPts	

Cimarex Triste Draw 25 Federal #14H Rev1 RM 09May19 (DefinitivePlan)

Pass

WATERWAY CONVEYANCE DATA (Continued)												
4515.96	32.81	4513.96	4483.15	233511.60	MAS = 10.00 (m)		0.00	0.00				
4515.96	32.81	4513.91	4483.15	64068.78	MAS = 10.00 (m)		23.00	23.00				
4515.96	32.81	4505.30	4483.15	519.91	MAS = 10.00 (m)		1090.00	1090.00				
4515.95	32.81	4496.27	4483.15	251.80	MAS = 10.00 (m)		2200.00	2200.00				
4516.06	32.81	4496.16	4483.25	248.89	MAS = 10.00 (m)		2230.00	2230.00				
5836.27	125.21	5751.51	5711.05	72.08	OSF 1.50		10360.00	10179.74				

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	1494.10	259.96	1316.71	1234.15	8.97	OSF1.50	20270.00	10729.97				MinPt-CtCt	
	1494.32	275.13	1306.78	1219.19	8.46	OSF1.50	20810.00	10729.99				MinPt-EOU	
	1494.79	275.67	1306.86	1219.11	8.45	OSF1.50	20830.00	10729.99				MinPt-ADP	
	1500.20	277.69	1310.82	1222.51	8.42	OSF1.50	20920.00	10730.00				MinPt-SF	
	1511.43	279.00	1321.09	1232.43	8.45	OSF1.50	21013.17	10730.00				TD	
Cimarex Triste Draw 25 Federal #15H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4574.62	32.81	4572.62	4541.81	223690.24	MAS = 10.00 (m)	0.00	0.00				Surface	
	4574.62	32.81	4572.57	4541.81	63911.50	MAS = 10.00 (m)	23.00	23.00				WRP	
	4574.62	32.81	4563.96	4541.81	527.03	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4574.62	32.81	4554.90	4541.81	254.61	MAS = 10.00 (m)	2200.00	2200.00				MinPts	
	4574.74	32.81	4554.77	4541.93	251.21	MAS = 10.00 (m)	2230.00	2230.00				MinPt-EOU	
	5916.24	132.74	5826.67	5783.50	68.47	OSF1.50	10370.00	10189.69				MinPt-SF	
	1517.61	191.28	1386.94	1326.33	12.44	OSF1.50	16880.00	10730.03				MinPt-CtCt	
	1517.54	276.58	1330.01	1240.96	8.47	OSF1.50	19810.00	10729.97				MinPt-CtCt	
	1517.75	311.34	1307.00	1206.41	7.50	OSF1.50	20810.00	10729.99				MinPt-EOU	
	1517.94	311.58	1307.02	1206.36	7.49	OSF1.50	20820.00	10729.99				MinPt-ADP	
	1521.10	312.96	1309.18	1208.14	7.48	OSF1.50	20890.00	10729.99				MinPt-SF	
	1534.43	314.16	1321.57	1220.27	7.52	OSF1.50	21013.17	10730.00				TD	
Cimarex Triste Draw 25 Federal #14H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4574.15	32.81	4572.15	4541.34	226125.30	MAS = 10.00 (m)	0.00	0.00				Surface	
	4574.15	32.81	4572.10	4541.34	64104.06	MAS = 10.00 (m)	23.00	23.00				WRP	
	4574.15	32.81	4563.50	4541.34	526.99	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4574.15	32.81	4554.43	4541.34	254.58	MAS = 10.00 (m)	2200.00	2200.00				MinPts	
	4574.27	32.81	4554.31	4541.46	251.19	MAS = 10.00 (m)	2230.00	2230.00				MinPt-EOU	
	5975.22	130.72	5886.85	5844.50	70.51	OSF1.50	10360.00	10179.74				MinPt-SF	
	1623.28	275.61	1435.76	1347.67	9.15	OSF1.50	20230.00	10729.97				MinPt-CtCt	
	1623.47	294.33	1423.44	1329.14	8.55	OSF1.50	20810.00	10729.99				MinPt-EOU	
	1623.65	294.56	1423.45	1329.08	8.54	OSF1.50	20820.00	10729.99				MinPt-ADP	
	1628.04	296.28	1426.61	1331.77	8.52	OSF1.50	20910.00	10730.00				MinPt-SF	
	1639.16	297.42	1436.86	1341.73	8.55	OSF1.50	21013.17	10730.00				TD	
30-025-47632 - WILD SALSA FED COM 224H - MWD to 22026ft - A (DefinitiveSurvey)													Pass
	8733.61	32.81	8731.56	8700.81	110326.87	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8733.66	32.81	8731.54	8700.85	61704.38	MAS = 10.00 (m)	23.00	23.00				WRP	
	8735.37	32.81	8727.76	8702.55	1549.73	MAS = 10.00 (m)	620.00	620.00				MinPts	
	8734.68	32.81	8722.37	8701.87	845.42	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8734.52	32.81	8719.27	8701.71	647.37	MAS = 10.00 (m)	1410.00	1410.00				MinPts	
	8735.35	32.81	8718.17	8702.54	566.54	MAS = 10.00 (m)	1640.00	1640.00				MinPt-EOU	
	8747.42	36.35	8722.59	8711.06	379.25	OSF1.50	2260.00	2260.00				MinPt-CtCt	
	8747.49	36.59	8722.51	8710.90	376.70	OSF1.50	2280.00	2279.99				MinPt-EOU	
	8747.58	36.70	8722.52	8710.88	375.44	OSF1.50	2290.00	2289.99				MinPt-ADP	
	8893.71	51.54	8858.76	8842.17	267.93	OSF1.50	3290.00	3272.30				MinPt-ADP	
	10040.88	153.29	9938.14	9887.58	99.28	OSF1.50	9710.00	9529.80				MinPt-CtCt	
	10041.42	154.95	9937.59	9886.47	98.21	OSF1.50	9870.00	9689.80				MinPt-EOU	
	1708.11	280.97	1520.29	1427.13	9.16	OSF1.50	20588.63	10729.98				MinPt-CtCt	
	1708.37	281.73	1520.06	1426.63	9.14	OSF1.50	20620.00	10729.98				MinPt-EOU	
	1708.56	281.97	1520.08	1426.59	9.13	OSF1.50	20630.00	10729.98				MinPt-ADP	
	1717.54	284.98	1527.06	1432.56	9.08	OSF1.50	20780.00	10729.99				MinPt-SF	
	1753.12	287.57	1560.91	1465.55	9.18	OSF1.50	21013.17	10730.00				TD	
30-025-31929 - TRISTE DRAW 36 STATE 001 - INC Only to 9150ft - P&G (DefinitiveSurvey)													Pass
	2707.77	32.81	2705.78	2674.96	192380.89	MAS = 10.00 (m)	0.00	0.00				Surface	
	2707.77	32.81	2705.38	2674.96	6466.58	MAS = 10.00 (m)	23.00	23.00				WRP	
	2707.77	129.56	2620.81	2578.22	31.76	OSF1.50	2200.00	2200.00				MinPt-CtCt	
	2719.85	169.48	2606.28	2550.37	24.31	OSF1.50	2920.00	2912.53				MinPt-EOU	
	2818.96	289.77	2625.19	2529.19	14.67	OSF1.50	4790.00	4730.85				MinPt-ADP	
	2903.81	381.65	2648.84	2522.16	11.46	OSF1.50	5860.00	5771.29				MinPt-ADP	
	3280.46	615.61	2869.51	2664.85	8.01	OSF1.50	9310.00	9130.41				MinPt-SF	
	2214.84	434.96	1924.37	1779.88	7.65	OSF1.50	12460.00	10729.83				MinPt-SF	
	1719.95	260.78	1545.60	1459.17	9.94	OSF1.50	13855.46	10729.90				MinPt-CtCt	
	1720.01	260.95	1545.55	1459.06	9.94	OSF1.50	13870.00	10729.90				MinPt-EOU	
	1720.53	261.57	1545.65	1458.96	9.91	OSF1.50	13900.00	10729.90				MinPt-ADP	
	2201.73	441.23	1907.08	1760.50	7.51	OSF1.50	15230.00	10729.97				MinPt-SF	
	7361.41	608.60	6955.18	6752.81	18.18	OSF1.50	21013.17	10730.00				TD	
MR 35 26 Federal Com 603H R0 mdv 31May23 (DefinitivePlan)													Pass
	4180.26	32.81	4178.97	4147.45	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4180.21	32.81	4178.92	4147.40	582230.41	MAS = 10.00 (m)	10.00	10.00				MinPt-SF	
	4180.19	32.81	4178.90	4147.38	1748969.88	MAS = 10.00 (m)	23.00	23.00				WRP	
	1814.42	159.94	1707.47	1654.48	17.11	OSF1.50	10310.16	10129.96				MinPt-CtCt	
	1814.52	160.19	1707.39	1654.32	17.09	OSF1.50	10330.00	10149.80				MinPt-EOU	
	1814.64	160.32	1707.43	1654.32	17.07	OSF1.50	10340.00	10159.79				MinPt-ADP	
	1819.29	161.31	1711.42	1657.98	17.01	OSF1.50	10450.00	10268.42				MinPt-SF	
	2241.46	278.26	2055.62	1963.20	12.12	OSF1.50	15820.00	10730.00				MinPt-CtCt	
	2242.32	472.19	1927.20	1770.13	7.13	OSF1.50	21013.17	10730.00				MinPts	
30-025-47637 - WILD SALSA FED COM 323H - MWD to 23192ft - A (DefinitiveSurvey)													Pass
	8825.27	32.81	8823.24	8792.46	174563.17	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8825.35	32.81	8823.27	8792.54	86415.62	MAS = 10.00 (m)	23.00	23.00				WRP	
	8828.21	32.81	8815.40	8795.40	815.19	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8819.85	35.27	8795.75	8784.58	394.76	OSF1.50	2240.00	2240.00				MinPt-CtCt	
	8820.00	35.68	8795.63	8784.32	389.96	OSF1.50	2270.00	2269.99				MinPt-EOU	
	8820.11	35.82	8795.65	8784.29	388.39	OSF1.50	2280.00	2279.99				MinPt-ADP	
	8828.60	40.66	8800.91	8787.95	340.41	OSF1.50	2480.00	2479.55				MinPts	
	2001.76	281.91	1813.32	1719.85	10.70	OSF1.50	20465.96	10729.98				MinPt-CtCt	
	2001.90	282.41	1813.13	1719.49	10.68	OSF1.50	20490.00	10729.98				MinPt-EOU	
	2002.24	282.82	1813.20	1719.42	10.67	OSF1.50	20510.00	10729.98				MinPt-ADP	
	2011.13	285.32	1820.42	1725.81	10.62	OSF1.50	20660.00	10729.98				MinPt-SF	
	2075.13	287.51	1882.96	1787.63	10.88	OSF1.50	21013.17	10730.00				TD	
30-025-47639 - WILD SALSA FED COM 093H - MWD to 20738ft - A (DefinitiveSurvey)													Pass
	8819.85	32.81	8817.84	8787.04	305296.58	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8819.94	32.81	8817.89	8787.14	119029.64	MAS = 10.00 (m)	23.00	23.00			</		

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	10171.77	160.70	10064.10	10011.07	95.89	OSF 1.50	10400.00	10219.44				MinPt-SF	
	2049.42	277.42	1863.97	1772.00	11.13	OSF 1.50	21013.17	10730.00				MinPts	
30-025-42081 - Cimarex Triste Draw 25 Federal 7H MWD Off to 14577ft (DefinitiveSurvey)													Pass
4700.05	32.81	4698.06	4667.24	572511.13		MAS = 10.00 (m)	0.00	0.00				MinPts	
4700.11	32.81	4698.08	4667.30	99510.81		MAS = 10.00 (m)	23.00	23.00				WRP	
4701.79	32.81	4698.43	4668.98	3394.07		MAS = 10.00 (m)	240.00	240.00				MinPt-EOU	
4703.84	32.81	4695.40	4671.03	728.39		MAS = 10.00 (m)	950.00	950.00				MinPts	
4704.10	32.81	4694.68	4671.29	631.71		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4709.39	32.81	4692.45	4676.58	310.21		MAS = 10.00 (m)	2200.00	2200.00				MinPt-EOU	
5772.92	118.72	5692.42	5654.20	75.47		OSF 1.50	10370.00	10189.69				MinPt-SF	
2153.05	187.59	2025.23	1965.46	17.94		OSF 1.50	16680.00	10730.03				MinPt-CtCt	
2110.00	272.74	1925.30	1837.26	11.93		OSF 1.50	19192.14	10729.97				MinPt-CtCt	
2110.52	280.27	1920.81	1830.24	11.60		OSF 1.50	19370.00	10729.97				MinPt-CtCt	
2128.37	371.10	1878.13	1757.26	8.77		OSF 1.50	20780.00	10729.99				MinPt-CtCt	
2128.40	375.08	1875.50	1753.32	8.68		OSF 1.50	20800.00	10729.99				MinPts	
2128.79	375.30	1875.72	1753.49	8.67		OSF 1.50	20830.00	10729.99				MinPt-SF	
2140.30	375.30	1887.06	1765.00	8.73		OSF 1.50	21013.17	10730.00				TD	
30-025-47640 - WILD SALSA FED COM 404H - MWD to 23199ft - A (DefinitiveSurvey)													Pass
8829.87	32.81	8827.88	8797.06	900628.84		MAS = 10.00 (m)	0.00	0.00				MinPts	
8829.99	32.81	8827.96	8797.18	176445.83		MAS = 10.00 (m)	23.00	23.00				WRP	
8856.35	32.81	8842.48	8823.54	731.34		MAS = 10.00 (m)	1310.00	1310.00				MinPt-EOU	
8863.71	32.81	8845.33	8830.90	533.08		MAS = 10.00 (m)	1760.00	1760.00				MinPt-EOU	
8864.23	32.81	8845.33	8831.43	516.84		MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
8869.60	34.64	8835.92	8824.96	404.12		OSF 1.50	2220.00	2220.00				MinPt-CtCt	
8859.67	34.84	8835.85	8824.83	401.68		OSF 1.50	2240.00	2240.00				MinPt-EOU	
8859.76	34.94	8835.88	8824.82	400.48		OSF 1.50	2250.00	2250.00				MinPt-ADP	
9140.05	59.35	9099.90	9080.70	238.03		OSF 1.50	3860.00	3826.55				MinPt-ADP	
10313.61	150.22	10212.92	10163.39	104.09		OSF 1.50	9710.00	9529.80				MinPt-EOU	
10315.61	152.47	10213.42	10163.13	102.55		OSF 1.50	9880.00	9699.80				MinPt-ADP	
2491.88	284.58	2301.66	2207.30	13.20		OSF 1.50	20681.62	10729.99				MinPt-CtCt	
2492.18	285.37	2301.43	2206.80	13.16		OSF 1.50	20720.00	10729.99				MinPt-EOU	
2492.35	285.57	2301.47	2206.78	13.15		OSF 1.50	20730.00	10729.99				MinPt-ADP	
2508.51	289.51	2315.00	2219.00	13.04		OSF 1.50	20970.00	10730.00				MinPt-SF	
2513.84	290.04	2319.98	2223.80	13.06		OSF 1.50	21013.17	10730.00				TD	
30-025-47635 - WILD SALSA FED COM 094H - MWD to 20459ft - A (DefinitiveSurvey)													Pass
8737.22	32.81	8735.18	8704.41	132015.10		MAS = 10.00 (m)	0.00	0.00				MinPts	
8737.24	32.81	8735.17	8704.44	96137.29		MAS = 10.00 (m)	10.00	10.00				MinPt-EOU	
8737.28	32.81	8735.18	8704.47	70812.82		MAS = 10.00 (m)	23.00	23.00				WRP	
8737.37	32.81	8735.18	8704.56	41104.69		MAS = 10.00 (m)	50.00	50.00				MinPt-EOU	
8737.92	32.81	8735.18	8705.12	11440.51		MAS = 10.00 (m)	150.00	150.00				MinPt-EOU	
8741.32	32.81	8735.91	8708.51	2549.18		MAS = 10.00 (m)	440.00	440.00				MinPt-EOU	
8745.81	32.81	8733.78	8713.00	868.28		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
8747.57	32.81	8732.37	8714.76	650.76		MAS = 10.00 (m)	1440.00	1440.00				MinPt-EOU	
9849.42	110.80	9775.02	9738.63	135.29		OSF 1.50	7120.00	6996.47				MinPts	
10328.15	149.25	10228.12	10178.91	104.92		OSF 1.50	10400.00	10219.44				MinPt-SF	
2741.50	279.31	2554.79	2462.19	14.79		OSF 1.50	21013.17	10730.00				MinPts	
30-025-08135 - TRISTE-STATE 1 - INC Only to 5192ft - P&A (DefinitiveSurvey)													Pass
4179.35	32.81	4177.27	4146.55	41254.26		MAS = 10.00 (m)	0.00	0.00				Surface	
4179.35	32.81	4176.87	4146.55	8308.15		MAS = 10.00 (m)	23.00	23.00				WRP	
4179.35	137.68	4086.98	4041.68	46.10		OSF 1.50	2200.00	2200.00				MinPt-CtCt	
4191.51	173.20	4075.48	4018.31	36.66		OSF 1.50	2650.00	2648.15				MinPt-EOU	
4209.08	193.83	4079.28	4015.25	32.86		OSF 1.50	2900.00	2893.08				MinPt-ADP	
4217.51	202.22	4082.11	4015.29	31.55		OSF 1.50	3000.00	2990.32				MinPt-ADP	
4386.71	362.49	4144.46	4024.22	18.23		OSF 1.50	4790.00	4730.85				MinPt-ADP	
4434.42	416.76	4156.05	4017.67	16.02		OSF 1.50	5240.00	5168.42				MinPt-ADP	
4435.51	417.76	4156.46	4017.75	15.98		OSF 1.50	5250.00	5178.14				MinPt-SF	
5612.51	152.59	5510.28	5459.92	55.71		OSF 1.50	15510.00	10729.98				MinPt-CtCt	
5613.14	154.26	5509.80	5458.89	55.10		OSF 1.50	15590.00	10729.99				MinPt-EOU	
5614.12	155.41	5510.01	5458.70	54.70		OSF 1.50	15640.00	10729.99				MinPt-ADP	
7291.21	338.75	7064.88	6952.46	32.42		OSF 1.50	20160.00	10729.97				MinPt-SF	
7863.31	361.44	7621.85	7501.87	32.76		OSF 1.50	21013.17	10730.00				TD	
Estacodo Fields #002 (Offset) Plugged SWD Blind Off-5206ft (DefinitiveSurvey)													Pass
5379.66	32.81	5377.09	5346.85	9166.20		MAS = 10.00 (m)	0.00	0.00				Surface	
5379.66	32.81	5374.68	5346.85	1794.78		MAS = 10.00 (m)	23.00	23.00				WRP	
5379.66	666.47	4934.76	4713.19	12.14		OSF 1.50	2200.00	2200.00				MinPt-CtCt	
5692.55	1605.96	4621.36	4986.57	5.32		OSF 1.50	5260.00	5187.87				MinPts	
5711.59	413.84	5434.02	5297.75	20.94		OSF 1.50	15710.00	10729.99				MinPt-ADP	
5601.62	285.59	5409.52	5316.02	29.93		OSF 1.50	16830.00	10730.03				MinPt-CtCt	
5626.11	328.23	5405.59	5297.88	26.09		OSF 1.50	17350.00	10730.03				MinPt-EOU	
5723.38	444.72	5425.23	5278.66	19.51		OSF 1.50	18000.00	10730.02				MinPt-ADP	
6993.81	1006.95	6321.05	5986.86	10.46		OSF 1.50	21013.17	10730.00				MinPt-SF	
H L Johnston L SR Pre-Ongard Well #001 (Offset) Plugged Oil Blind Off-5151ft (DefinitiveSurvey)													Pass
8309.78	32.81	8305.17	8276.97	3159.33		MAS = 10.00 (m)	0.00	0.00				Surface	
8309.78	32.81	8302.76	8276.97	1648.63		MAS = 10.00 (m)	23.00	23.00				WRP	
5309.78	672.59	7860.80	7637.19	18.58		OSF 1.50	2200.00	2200.00				MinPt-CtCt	
8778.77	1587.70	7719.75	7191.07	8.30		OSF 1.50	5180.00	5110.08				MinPts	
8780.58	1588.59	7720.98	7191.99	8.30		OSF 1.50	5190.00	5119.80				MinPt-SF	
7904.49	1124.90	7153.22	6779.60	10.57		OSF 1.50	14690.00	10729.94				MinPt-SF	
5737.06	399.80	5468.86	5337.26	21.78		OSF 1.50	20127.51	10729.97				MinPt-CtCt	
5739.96	405.46	5467.99	5334.50	21.48		OSF 1.50	20310.00	10729.97				MinPt-EOU	
5783.64	455.01	5478.64	5328.62	19.26		OSF 1.50	20860.00	10729.99				MinPt-ADP	
5805.03	475.63	5486.29	5329.40	18.48		OSF 1.50	21013.17	10730.00				MinPt-SF	



COTERRA

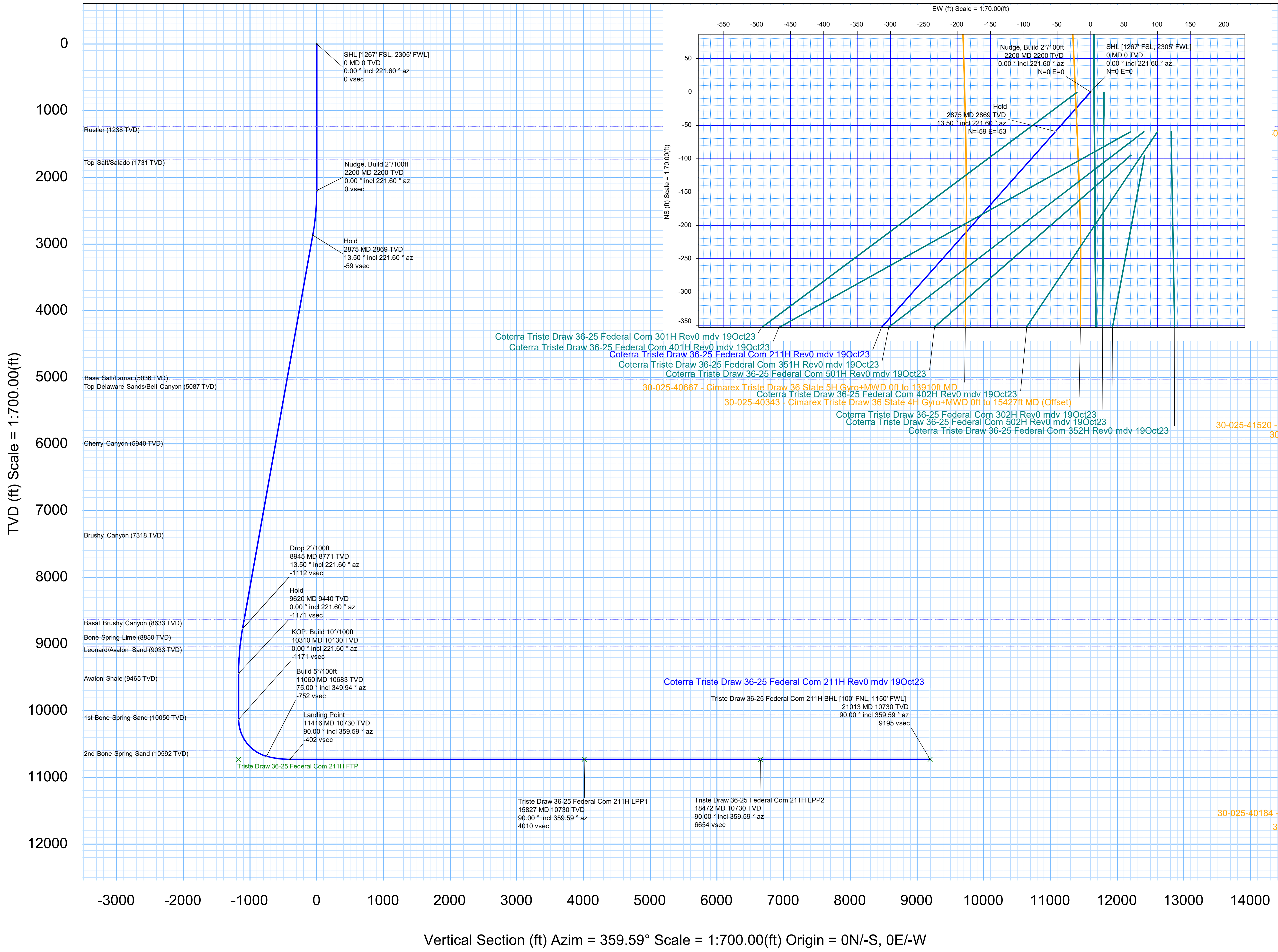
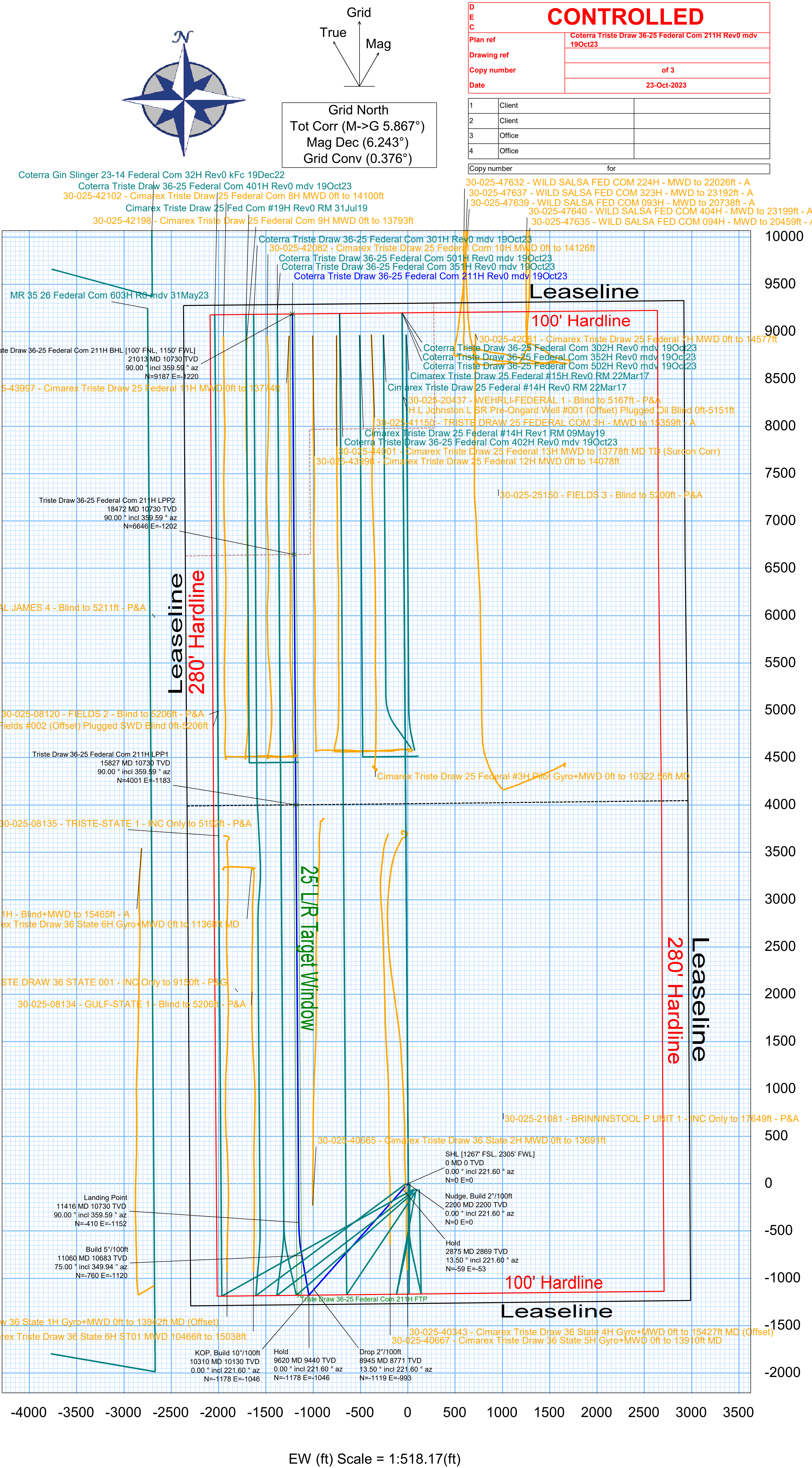
Rev0



Borehole:	Well:	Field:	Structure:
Triste Draw 36-25 Federal Com 211H	Triste Draw 36-25 Federal Com 211H	NM Lea County (NAD 83)	Coterra Triste Draw 36-25 Fed Com E2W2 Pad

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: HDGM 2023	Lat: N 32 15 26.73	Northing: 458097.97ftUS	Slot: 211H
MagDec: 6.243°	Lon: W 103 37 45.89	Easting: 758934.87ftUS	Plan: Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdy 19Oct23
Dip: 59.802°		Grid Conv: 0.3757°	TVD Ref: RKB (3681.200 ft above MSL)
FS: 47455.115nT		Scale Fact: 0.99996332	
Date: 29-Sep-2023			
Gravity FS: 998.438mgn (9.80665 Based)			

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [1267' FSL, 2305' FWL]	0.00	0.00	221.60	0.00	0.00	0.00	0.00	
Rustler	1238.00	0.00	221.60	1238.00	0.00	0.00	0.00	0.00
Top Salt/Salado	1731.00	0.00	221.60	1731.00	0.00	0.00	0.00	0.00
Nudge, Build 2"/100ft	2200.00	0.00	221.60	2200.00	0.00	0.00	0.00	0.00
Hold	2875.04	13.50	221.60	2868.81	-58.82	-59.20	-52.56	2.00
Base Salt/Lamar	5103.82	13.50	221.60	5036.00	-445.43	-448.29	-398.03	0.00
Top Delaware Sands/Bell Canyon	5156.27	13.50	221.60	5087.00	-454.53	-457.45	-406.16	0.00
Cherry Canyon	6033.51	13.50	221.60	5940.00	-606.70	-610.60	-542.13	0.00
Brushy Canyon	7450.67	13.50	221.60	7318.00	-852.53	-858.00	-761.80	0.00
Basal Brushy Canyon	8803.04	13.50	221.60	8633.00	-1087.12	-1094.10	-971.42	0.00
Drop 2"/100ft	8945.11	13.50	221.60	8771.15	-1111.76	-1118.90	-993.44	0.00
Bone Spring Lime	9025.95	11.88	221.60	8850.00	-1124.96	-1132.18	-1005.23	2.00
Leonard/Avalon Sand	9211.82	8.17	221.60	9033.00	-1149.00	-1156.37	-1026.71	2.00
Hold	9620.16	0.00	221.60	9439.96	-1170.58	-1178.10	-1046.00	2.00
Avalon Shale	9645.20	0.00	221.60	9465.00	-1170.58	-1178.10	-1046.00	0.00
1st Bone Spring Sand	10230.20	0.00	221.60	10050.00	-1170.58	-1178.10	-1046.00	0.00
KOP, Build 10"/100ft	10310.16	0.00	221.60	10129.96	-1170.58	-1178.10	-1046.00	0.00
2nd Bone Spring Sand	10847.63	53.75	349.94	10592.00	-939.76	-947.56	-1086.90	10.00
Build 5"/100ft	11060.16	75.00	349.94	10683.39	-751.93	-759.96	-1120.18	10.00
Landing Point	11415.65	90.00	359.59	10729.78	-402.11	-410.36	-1151.69	5.00
Triste Draw 36-25 Federal Com 211H LPP1	15827.49	90.00	359.59	10730.00	4009.73	4001.36	-1183.07	0.00
Triste Draw 36-25 Federal Com 211H LPP2	18471.82	90.00	359.59	10730.00	6654.63	6645.63	-1201.82	0.00
Triste Draw 36-25 Federal Com 211H BHL [100' FNL, 1150' FWL]	21013.17	90.00	359.59	10730.00	9195.41	9186.92	-1219.84	0.00





Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23 Proposal
Geodetic Report
Def Plan



Report Date: October 23, 2023 - 04:55 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slot: Coterra Triste Draw 36-25 Fed Com E2W2 Pad / 211H
Well: Triste Draw 36-25 Federal Com 211H
Borehole: Triste Draw 36-25 Federal Com 211H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23
Survey Date: October 23, 2023
Tort / AHD / DDI / ERD Ratio: 119.789' / 11949.064 ft / 6.448' / 1.114
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'26.73102"N , 103°37'45.88734"W
Location Grid N/E Y/X: N 4582097.970 RUS , E 758934.870 RUS
CRS Grid Convergence Angle: 0.376°
Grid Scale Factor: 0.99996332
Version / Patch: 2023.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.590° (GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3681.200 ft above MSL
Seabed / Ground Elevation: 3658.200 ft above MSL
Magnetic Declination: 6.243°
Total Gravity Field Strength: 986.4376mgN (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47455.115 nT
Magnetic Dip Angle: 59.802°
Declination Date: September 29, 2023
Magnetic Declination Model: HOGM 2023
North Reference: Grid North
Grid Convergence Used: 0.376°
Total Corr Mag North-Grid North: 5.867°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
SHL [1267' FSL, 2305' FWL]	0.00	0.00	221.60	0.00	-3.681.20	0.00	0.00	0.00		458,097.97	758,934.87	32.25742528	-103.62941315
Nudge, Build 2"/100ft	2,200.00	0.00	221.60	2,200.00	-1,481.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
Hold	2,975.04	13.50	221.60	2,868.81	-912.39	-58.62	-59.20	-52.56	2.00	458,038.77	758,882.31	32.25726352	-103.62958442
Drop 2"/100ft	8,945.11	13.50	221.60	8,771.15	5,089.95	-1,111.76	-1,118.90	-903.44	0.00	456,979.11	757,941.47	32.25436776	-103.63265019
Hold	9,620.16	0.00	221.60	9,439.96	5,758.76	-1,170.58	-1,178.10	-1,046.00	2.00	456,919.92	757,888.91	32.25420599	-103.63282144
KOP, Build 10"/100ft	10,310.16	0.00	221.60	10,129.96	6,448.76	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
Build 5"/100ft	11,060.16	75.00		10,683.39	7,002.19	-751.93	-759.96	-1,120.18	10.00	457,338.04	757,814.73	32.25535660	-103.63305256
Landing Point	11,415.65	90.00		10,729.78	7,048.58	-402.11	-410.36	-1,151.69	5.00	457,687.63	757,783.23	32.25631808	-103.63314710
Triste Draw 36-25 Federal Com 211H LPP1	15,827.49	90.00	359.59	10,730.00	7,048.80	4,009.73	4,001.36	-1,183.07	0.00	462,099.18	757,751.85	32.26844461	-103.63315550
Triste Draw 36-25 Federal Com 211H LPP2	18,471.82	90.00	359.59	10,730.00	7,048.80	6,654.06	6,645.63	-1,201.82	0.00	464,743.34	757,733.10	32.27571290	-103.63316034
Triste Draw 36-25 Federal Com 211H BHL [100' FNL, 1150' FWL]	21,013.17	90.00	359.59	10,730.00	7,048.80	9,195.41	9,186.92	-1,219.84	0.00	467,284.53	757,715.08	32.28269813	-103.63316498

Survey Type: Def Plan

Survey Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,364.000	1/100.000' ± 5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 211H / Coterra Tris
	1	10,364.000	19,512.979	1/100.000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 211H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,190.200	17.500	13.375	
4,835.607	12.250	9.625	
12,202.200	8.750	7.000	
21,013.170	6.000	4.500	

Geologic Prognosis

Well Information					Contact Information		
Well Name: Triste Draw 36-25 Fed Com 211H		County: Lea			Jenny Blake		
API #:		State: New Mexico			Office: (432) 571-7800		
Dev/Exp: Development		Field:			Cell: (281) 639-4419		
					Email: Jenny.Blake@coterra.com		
Surface Hole Information							
Footages:	Section:	Township:	Range:	Direction			
C3	36	23S	32E	S-N			
Bottom Hole Information					Staci Mueller		
Footages:	Section:	Township:	Range:		Office: (432) 571-7898		
100' FNL / 1150' FWL	25	23S	32E		Cell: (406) 794-2287		
					Email: Staci.Mueller@coterra.com		
Target Information							
2nd Bone Spring Sand Upper		Landing TVD: 10,730'		TD TVD: 10,730'			
Generated By: Jenny Blake		Date Generated: 6/26/2023					
Est. GL Elevation: 3650							
Est. KB above GL: 23		Rig:					
Est. KB Elevation: 3673							
Horizon	TVD top	TVD base	SSTVD top	Thickness	Lithology	Mineral Resource	Comments
Rustler	1238	1731	2629	493	Anhydrite	Useable Water	Hardline 100' FSL/100' FNL & 330' FWL/FEL
Top Salt/Salado	1731	5036	1360	3305	Halite	N/A	
Base Salt/Lamar	5036	5087	-1021	51	Limestone	N/A	
Top Delaware Sands/Bell Canyon	5087	5940	-1067	853	Sandstone	Natural gas, oil	
Cherry Canyon	5940	7318	-2053	1378	Sandstone	Natural gas, oil	
Brushy Canyon	7318	8633	-3645	1315	Sandstone	Natural gas, oil	
Basal Brushy Canyon	8633	8850	-4960	217	For Drilling Use		
Bone Spring Lime	8850	9033	-5177	183	Limestone	N/A	
Leonard/Avalon Sand	9033	9465	-5360	432	Shale	Natural gas, oil	
Avalon Shale	9465	10050	-5792	585	Shale	Natural gas, oil	
1st Bone Spring Sand	10050	10592	-6377	542	Sandstone	Natural gas, oil	
2nd Bone Spring Sand	10592	10,730	-6919	138	Sandstone	Natural gas, oil	
Upper 2nd Sand Target	10,730	---	-7057	---			
Potential Geologic / Drilling Hazards: N/A							
Type Log: 30025408770000							
Offset Injection Wells:							
Open Hole Logs: n/a							
Service Provider:							
Ops Contact:							
Sales Contact:							
Log Type:							
Mudlogging Vendor: n/a							

Coterra: Well Control Plan



Well Control Plan

Warning Signs of a Kick

If a kick is ever suspected, perform flow check.

While Drilling:

1. Drilling break or increase in penetration rate
2. Increase of flow
3. Pit gain
4. Flow without pumping
5. Circulating pressure decrease and/or spm increase
6. Increase in gas cutting at the shakers
7. Decrease in cuttings at shakers

While Tripping:

1. Hole not taking the proper fill on trip out of hole
2. Hole returns too much mud on trip in hole
3. Flow without pumping

While Out of the Hole:

1. Flow
2. Pit gain

Well Control Procedures with Diverter

A TIW valve in the open position must be on the rig floor at all times.

If rotating head is installed:

1. Perform flow check.
2. If well is flowing, divert flow down flow line and through separator, before returning across shakers.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.

Coterra: Well Control Plan

4. If well becomes uncontrollable, close annular, which will open HCR to divert flow away from rig.

If rotating head is not installed:

1. Perform flow check.
2. If well is flowing uncontrollably, close annular, which will open HCR to divert flow away from rig.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.
4. After 10 ppg is circulated around shut pumps off and perform flow check.

Well Control Procedures

Coterra follows a hard shut-in procedure. Choke will be in the closed position.

General Well Control

1. If in doubt, secure the well first, then inform your supervisor.
2. Never wait for approval to shut in the well.
3. Verify that the mud pump is off before you close the BOP.
4. Always check and verify the well is properly secured after shut in.
5. Always install TIW valve in the open position.
6. If TIW valve is installed and then closed, apply estimated DP shut-in pressure above valve before opening.
7. The weak link in the mud system and mud lines is the pressure relief valve or pop off valve on the mud pump.
8. Keep the TIW valve wrench in a designated location on the rig floor and in the open position.
9. Use a drill string float above the bit. Don't perforate or disable the float.
10. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.

Hard Shut-In

1. Remote choke is closed.
2. Stop pumping and space out.
3. Check for flow.
4. To shut in, close annular or pipe ram if no annular is present.
5. Open the HCR valve.
6. Check systems, bump float. Record Initial Shut in Drill pipe pressure and Initial shut in casing pressure.

Coterra: Well Control Plan

Flow Check when on Bottom

1. Alert crew & stop rotating
2. Pick up and space out
3. Shut down pumps
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Drilling

1. After flow has been detected via flow check, kill pumps, shut in well and open HCR
2. Verify well is shut-in and flow has stopped
3. Notify supervisory personnel
4. Record data
5. Begin go forward planning

Flow Check while Tripping

1. Alert crew & pick up / space out
2. Stop pipe movement. Set slips with tool joint accessible at rotary table
3. Install open TIW safety valve and close valve
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Tripping

1. Install open TIW safety valve and close valve
2. Shut-in the well
3. Verify well is shut-in and flow has stopped
4. Install IBOP
5. Notify supervisory personnel
6. Record data; SICP, shut-in time, kick depth, and pit gain
7. Begin go forward planning

Shutting in while Out of Hole

1. Sound alarm
2. Shut-in well: close blind rams.
3. Verify well is shut-in and monitor pressures.
4. Notify supervisory personnel
5. Record data; SICP, shut-in time, kick depth, and pit gain
6. Begin go forward planning

Information to Record while Shut-In

1. Shut in drill pipe pressure every 5 minutes

Coterra: Well Control Plan

2. Shut in casing pressure every 5 minutes
3. Pit gain
4. Total volume in pit system
5. Mud weight in suction pit
6. Current depth
7. Total depth
8. Time the well is shut in

H2S with Annular Diverter:

1. Kill Pumps, close annular, which will open HCR, to divert flow away from rig.
2. Muster and take head count.
3. Call ASSI to check location for H2S. Call Coterra superintendent.
4. After ASSI has checked for H2S the path forward will be decided from Coterra superintendent.

H2S with BOP's:

1. Kill pumps
2. Shut in annular with HCR open and chokes closed.
3. Muster and take head count.
4. Call ASSI to check location for H2S. Call Coterra superintendent.
5. After ASSI has checked for H2S. discuss path forward with Coterra superintendent

Procedure for Closing Blind Rams

- Open HCR valve (visually check that the HCR valve is open – stem in the valve is open, stem out the valve is closed).
- Verify all circulating pumps are off (mud pumps, trip tank pump, etc.)
- Ensure that the hydraulic choke is in the closed position.
- Close the blind rams and place the “blind rams closed, bleed pressure and remove hole cover before opening” sign on the console.
- Monitor the shut in casing pressure gauge periodically while the blinds are closed to ensure that wellbore pressure isn't building. If pressure build up is observed, monitor the shut in casing pressure more frequently & document. Notify rig management and Coterra representative of the pressure build up.
- Ensure that the inner bushings are locked into the master bushings if applicable.
- Install hole cover.

Procedure for Opening Blind Rams

- Make sure choke manifold is aligned correctly.
- Open the hydraulic choke to bleed any trapped pressure that may be under the blind rams. (Even if the casing pressure gauge is reading zero).

Coterra: Well Control Plan

- Confirm that no flow is discharging into the trip tank or possum bellies of the shale shaker (wherever the separator is discharging into).
- Remove hole cover.
- Confirm that the inner bushing are locked into the master bushings if applicable.
- Clear all personnel from the rig floor.
- Remove sign and open blind rams.
- Return the BOPE to its original operating alignment.

BOP Drills

- Drilling crews should conduct BOP drills weekly from BOP nipple up to TD for reaction time to properly simulate securing the well. Record BOP drills on that day's report.
- Standard precautions such as checking the accumulator for proper working pressure, function testing rams, and recording slow pump rates are performed on a daily basis or on trips..
- All supervisory personnel onsite need to be properly trained and currently hold certification from an approved blowout prevention school. Any deviation from this needs to be discussed prior to spud.
- Drillers should always notify the tool pusher and the drilling foreman before performing a blowout drill.

Choke Manifold Freeze Prevention

- When possible, blow out the choke & kill lines as well as the choke manifold with rig air to remove water based fluids.
- When clear water is being placed into the choke & kill line as well as the choke manifold, make sure that the water has a mixture of 30% methanol added.
- When applicable, choke & kill lines as well as choke manifold needs to be pumped through with the rig pump by the driller to ensure that the lines aren't plugged with settling barite or solids.



Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23 Proposal



Geodetic Report

Def Plan

Report Date: October 23, 2023 - 04:53 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slat: Coterra Triste Draw 36-25 Fed Com E2W2 Pad / 211H
Well: Triste Draw 36-25 Federal Com 211H
Borehole: Triste Draw 36-25 Federal Com 211H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23
Survey Date: October 23, 2023
Tort / AHD / DDI / ERD Ratio: 119.789' / 11949.064 ft / 6.448 / 1.114
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'26.73102"N, 103°37'45.88734"W
Location Grid N/E Y/X: N 458097.970 RUS, E 758934.870 RUS
CRS Grid Convergence Angle: 0.376"
Grid Scale Factor: 0.99996332
Version / Patch: 2023.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.590° (GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3681.200 ft above MSL
Sealed / Ground Elevation: 3658.200 ft above MSL
Magnetic Declination: 6.243°
Total Gravity Field Strength: 998.4376mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47455.115 nT
Magnetic Dip Angle: 59.802°
Declination Date: September 29, 2023
Magnetic Declination Model: HDGM 2023
North Reference: Grid North
Grid Convergence Used: 0.376"
Total Corr Mag North->Grid North: 5.867"
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
SHL [1267' FSL, 2305' FWL]	0.00	0.00	221.60	0.00	-3.681.20	0.00	0.00	0.00		458,097.97	758,934.87	32.25742528	-103.62941315
	100.00	0.00	221.60	100.00	-3.581.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	200.00	0.00	221.60	200.00	-3.481.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	300.00	0.00	221.60	300.00	-3.381.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	400.00	0.00	221.60	400.00	-3.281.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	500.00	0.00	221.60	500.00	-3.181.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	600.00	0.00	221.60	600.00	-3.081.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	700.00	0.00	221.60	700.00	-2.981.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	800.00	0.00	221.60	800.00	-2.881.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	900.00	0.00	221.60	900.00	-2.781.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
Rustler	1,000.00	0.00	221.60	1,000.00	-2.681.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,100.00	0.00	221.60	1,100.00	-2.581.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,200.00	0.00	221.60	1,200.00	-2.481.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,238.00	0.00	221.60	1,238.00	-2.443.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,300.00	0.00	221.60	1,300.00	-2.381.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,400.00	0.00	221.60	1,400.00	-2.281.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,500.00	0.00	221.60	1,500.00	-2.181.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,600.00	0.00	221.60	1,600.00	-2.081.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,700.00	0.00	221.60	1,700.00	-1.981.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,731.00	0.00	221.60	1,731.00	-1.950.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
Top Salt/Salado	1,800.00	0.00	221.60	1,800.00	-1.881.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	1,900.00	0.00	221.60	1,900.00	-1.781.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	2,000.00	0.00	221.60	2,000.00	-1.681.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	2,100.00	0.00	221.60	2,100.00	-1.581.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	2,200.00	0.00	221.60	2,200.00	-1.481.20	0.00	0.00	0.00	0.00	458,097.97	758,934.87	32.25742528	-103.62941315
	2,300.00	2.00	221.60	2,299.98	-1.381.22	-1.30	-1.31	-1.16	2.00	458,096.67	758,933.71	32.25742172	-103.62941693
	2,400.00	4.00	221.60	2,399.84	-1.281.36	-5.19	-5.22	-4.63	2.00	458,092.75	758,930.24	32.25741102	-103.62942825
	2,500.00	6.00	221.60	2,499.45	-1.181.75	-11.66	-11.74	-10.42	2.00	458,086.23	758,924.45	32.25739322	-103.62944710
	2,600.00	8.00	221.60	2,598.70	-1.082.50	-20.72	-20.85	-18.51	2.00	458,077.12	758,916.36	32.25736831	-103.62947347
	2,700.00	10.00	221.60	2,697.47	-983.73	-32.34	-32.55	-28.90	2.00	458,065.43	758,905.97	32.25733635	-103.62950731
Nudge, Build 2"/100ft	2,800.00	12.00	221.60	2,795.62	-885.58	-46.51	-46.81	-41.56	2.00	458,051.16	758,893.31	32.25729736	-103.62954589
	2,875.04	13.50	221.60	2,868.81	-812.39	-58.82	-59.20	-52.56	2.00	458,038.77	758,882.31	32.25726352	-103.62958447
	2,900.00	13.50	221.60	2,893.08	-788.12	-63.15	-63.56	-56.43	0.00	458,034.42	758,878.44	32.25725161	-103.62959702
	3,000.00	13.50	221.60	2,990.32	-690.88	-80.50	-81.01	-71.93	0.00	458,016.96	758,862.94	32.25720391	-103.62964753
	3,100.00	13.50	221.60	3,087.55	-593.65	-97.84	-98.47	-87.43	0.00	457,999.50	758,847.44	32.25715620	-103.62969804
	3,200.00	13.50	221.60	3,184.79	-496.41	-115.19	-115.93	-102.93	0.00	457,982.05	758,831.94	32.25710850	-103.62974855
	3,300.00	13.50	221.60	3,282.03	-399.17	-132.54	-133.39	-118.43	0.00	457,964.59	758,816.44	32.25706079	-103.62979906
	3,400.00	13.50	221.60	3,379.26	-301.94	-149.88	-150.84	-133.93	0.00	457,947.13	758,800.94	32.25701309	-103.62984956
	3,500.00	13.50	221.60	3,476.50	-204.70	-167.23	-168.30	-149.43	0.00	457,929.67	758,785.45	32.25696538	-103.62989907
	3,600.00	13.50	221.60	3,573.74	-107.46	-184.58	-185.76	-164.93	0.00	457,912.22	758,769.95	32.25691768	-103.62994958
Hold	3,700.00	13.50	221.60	3,670.97	-10.23	-201.92	-203.22	-180.43	0.00	457,894.76	758,754.45	32.25686997	-103.63000109
	3,800.00	13.50	221.60	3,768.21	87.01	-219.27	-220.68	-195.93	0.00	457,877.30	758,738.95	32.25682227	-103.63005159
	3,900.00	13.50	221.60	3,865.45	184.25	-236.61	-238.13	-211.43	0.00	457,859.85	758,723.45	32.25677456	-103.63010210
	4,000.00	13.50	221.60	3,962.68	281.48	-253.96	-255.59	-226.93	0.00	457,842.39	758,707.95	32.25672686	-103.63015261
	4,100.00	13.50	221.60	4,059.92	378.72	-271.31	-273.05	-242.43	0.00	457,824.93	758,692.45	32.25667915	-103.63020312
	4,200.00	13.50	221.60	4,157.16	475.96	-288.65	-290.51	-259.43	0.00	457,807.47	758,676.95	32.25663145	-103.63025363
	4,300.00	13.50	221.60	4,254.39	573.19	-306.98	-307.96	-273.43	0.00	457,790.02	758,661.45	32.25658374	-103.63030413
	4,400.00	13.50	221.60	4,351.63	670.43	-323.35	-325.42	-288.93	0.00	457,772.56	758,645.95	32.25653604	-103.63035464
	4,500.00	13.50	221.60	4,448.87	767.67	-340.69	-342.88	-304.43	0.00	457,755.10	758,630.45	32.25648833	-103.63040514
	4,600.00	13.50	221.60	4,546.10	864.90	-358.04	-360.34	-319.93	0.00	457,737.65	758,614.95	32.25644063	-103.63045565
Base Salt/Lamar	4,700.00	13.50	221.60	4,643.34	962.14	-375.39	-377.80	-335.43	0.00	457,720.19	758,599.45	32.25639292	-103.63050616
	4,800.00	13.50	221.60	4,740.58	1,059.38	-392.73	-395.25	-350.93	0.00	457,702.73	758,583.95	32.25634522	-103.63055667
	4,900.00	13.50	221.60	4,837.81	1,156.61	-410.08	-412.71	-366.43	0.00	457,685.27	758,568.45	32.25629751	-103.63060717
	5,000.00	13.50	221.60	4,935.05	1,253.85	-427.43	-430.77	-381.94	0.00	457,667.81	758,552.95	32.25624981	-103.63065768
	5,100.00	13.50	221.60	5,032.29	1,351.09	-444.77	-447.63	-397.44	0.00	457,650.36	758,537.45	32.25620210	-103.63070819
	5,103.82	13.50	221.60	5,036.00	1,354.80	-445.43	-448.29	-398.03	0.00	457,649.69	758,536.86	32.25620028	-103.63071011
	5,156.27	13.50	221.60	5,087.00	1,405.80	-454.53	-457.45	-406.16	0.00	457,640.54	758,528.73	32.25617526	-103.63073660
	5,200.00	13.50	221.60	5,129.52	1,448.32	-462.12	-465.09	-412.94	0.00	457,632.90	758,521.95	32.25615440	-103.63075869
	5,300.00	13.50	221.60	5,226.76	1,545.56	-479.47	-482.54	-428.44	0.00	457,615.45	758,506.45	32.25610669	-103.63080920
	5,400.00	13.50	221.60	5,324.00	1,642.80	-496.81	-500.00	-443.94	0.00	457,597.99	758,490.95	32.25605898	-103.63085971
Top Delaware Sands/Bell Canyon	5,500.00	13.50	221.60	5,421.23	1,740.03	-514.16	-517.46	-461.44	0.00	457,580.53	758,475.45	32.25601128	-103.63091022
	5,600.00	13.50	221.60	5,518.47	1,837.27	-531.50	-534.92	-474.94	0.00	457,563.07	758,459.95	32.25596357	-103.63096072
	5,700.00	13.50	221.60	5,615.71	1,934.51	-548.85	-552.37	-490.44	0.00	457,545.62	758,444.45	32.25591587	-103.63101122
	5,800.00	13.50	221.60	5,712.94	2,031.74	-566.20	-569.83	-505.94	0.00	457,528.16	758,428.95	32.25586816	-103.63106173
	5,900.00	13.50	221.60	5,810.18	2,128.98	-583.54	-587.29	-521.44	0.00	457,510.70	758,413.45	32.25582046	-103.63111224
	6,000.00	13.50	221.60	5,907.42	2,226.22	-600.89	-604.75	-536.94	0.00	457,493.25	758,397.95	32.25577275	-103.63116274
	6,033.51	13.50	221.60	5,940.00	2,258.80	-606.70	-610.60	-542.13	0.00	457,487.40	758,392.76	32.25575677	-103.63117967
	6,100.00	13.50	221.60	6,004.65	2,323.45	-618.24	-622.21	-552.44	0.00	457,475.79	758,382.45	32.255725	

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100m)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
Leonard/Avalon Sand □	9,211.82	8.17	221.60	9,033.00	5,351.80	-1,149.00	-1,156.37	-1,026.71	2.00	456,941.64	757,908.20	32.25426536	-103.63275859
	9,300.00	6.40	221.60	9,120.47	5,439.27	-1,157.31	-1,164.74	-1,034.13	2.00	456,933.28	757,900.78	32.25424251	-103.63278278
	9,400.00	4.40	221.60	9,220.02	5,538.82	-1,164.30	-1,171.78	-1,040.39	2.00	456,926.24	757,894.52	32.25422327	-103.63280315
	9,500.00	2.40	221.60	9,319.84	5,638.64	-1,168.71	-1,176.22	-1,044.33	2.00	456,921.80	757,890.58	32.25421114	-103.63281599
	9,600.00	0.40	221.60	9,419.80	5,738.60	-1,170.53	-1,178.05	-1,045.95	2.00	456,919.97	757,888.96	32.25420613	-103.63282129
	9,620.16	0.00	221.60	9,439.96	5,758.76	-1,170.58	-1,178.10	-1,046.00	2.00	456,919.92	757,888.91	32.25420599	-103.63282144
	9,645.20	0.00	221.60	9,465.00	5,783.80	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	9,700.00	0.00	221.60	9,519.80	5,838.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	9,800.00	0.00	221.60	9,619.80	5,938.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	9,900.00	0.00	221.60	9,719.80	6,038.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
Hold Avalon Shale □	10,000.00	0.00	221.60	9,819.80	6,138.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	10,100.00	0.00	221.60	9,919.80	6,238.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	10,200.00	0.00	221.60	10,019.80	6,338.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	10,300.00	0.00	221.60	10,119.80	6,438.60	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	10,310.16	0.00	221.60	10,129.96	6,448.76	-1,170.58	-1,178.10	-1,046.00	0.00	456,919.92	757,888.91	32.25420599	-103.63282144
	10,400.00	8.98	349.94	10,219.44	6,538.24	-1,163.65	-1,171.18	-1,047.23	10.00	456,926.84	757,887.68	32.25422504	-103.63282527
	10,500.00	18.98	349.94	10,316.35	6,635.15	-1,139.86	-1,147.41	-1,051.44	10.00	456,950.60	757,883.47	32.25429043	-103.63283840
	10,600.00	28.98	349.94	10,407.60	6,726.40	-1,099.84	-1,107.44	-1,058.54	10.00	456,990.57	757,876.38	32.25440042	-103.63286050
	10,700.00	38.98	349.94	10,490.41	6,809.21	-1,044.80	-1,052.47	-1,068.29	10.00	457,045.54	757,866.62	32.25455168	-103.63289088
	10,800.00	48.98	349.94	10,562.27	6,881.07	-976.43	-984.97	-1,070.40	10.00	457,110.83	757,854.51	32.25473960	-103.63292828
1st Bone Spring Sand □	10,847.63	53.75	349.94	10,592.00	6,910.80	-939.76	-947.56	-1,086.90	10.00	457,150.44	757,848.01	32.25484037	-103.63294887
	10,900.00	58.98	349.94	10,621.00	6,939.80	-896.79	-904.64	-1,094.51	10.00	457,193.36	757,840.40	32.25495488	-103.63297259
	11,000.00	68.98	349.94	10,664.81	6,983.61	-808.30	-816.27	-1,110.19	10.00	457,281.73	757,824.72	32.25520166	-103.63302144
	11,060.16	75.00	349.94	10,683.39	7,002.19	-751.93	-759.96	-1,120.18	10.00	457,338.04	757,814.73	32.25535660	-103.63305256
	11,100.00	76.67	351.06	10,693.15	7,011.95	-713.78	-721.86	-1,126.55	5.00	457,376.13	757,808.36	32.25546144	-103.63307237
	11,200.00	80.87	353.82	10,712.62	7,031.42	-616.49	-624.66	-1,139.43	5.00	457,473.33	757,795.48	32.25572884	-103.63311197
	11,300.00	85.10	359.15	10,724.63	7,043.63	-517.56	-525.73	-1,151.77	5.00	457,572.20	757,787.14	32.25600074	-103.63315331
	11,400.00	89.33	359.15	10,729.69	7,048.49	-417.76	-426.01	-1,151.52	5.00	457,671.97	757,783.39	32.25627506	-103.63314669
	11,415.65	90.00	359.59	10,729.78	7,048.58	-402.11	-410.36	-1,151.69	5.00	457,687.63	757,783.23	32.25631808	-103.63314710
	11,500.00	90.00	359.59	10,729.78	7,048.58	-317.76	-326.02	-1,152.29	0.00	457,771.97	757,782.63	32.25654992	-103.63314726
Build 5"/100ft	11,600.00	90.00	359.59	10,729.79	7,048.59	-217.76	-226.02	-1,153.00	0.00	457,871.96	757,781.92	32.25682478	-103.63314745
	11,700.00	90.00	359.59	10,729.79	7,048.59	-117.76	-126.02	-1,153.71	0.00	457,971.95	757,781.20	32.25709965	-103.63314764
	11,800.00	90.00	359.59	10,729.80	7,048.60	-17.76	-26.02	-1,154.42	0.00	458,071.95	757,780.49	32.25737451	-103.63314783
	11,900.00	90.00	359.59	10,729.80	7,048.60	-72.24	-80.49	-1,154.13	0.00	458,171.94	757,779.78	32.25764937	-103.63314802
	12,000.00	90.00	359.59	10,729.81	7,048.61	182.24	173.97	-1,155.84	0.00	458,271.94	757,779.07	32.25792424	-103.63314821
	12,100.00	90.00	359.59	10,729.81	7,048.61	282.24	273.97	-1,156.56	0.00	458,371.93	757,778.36	32.25819910	-103.63314840
	12,200.00	90.00	359.59	10,729.82	7,048.62	382.24	373.97	-1,157.27	0.00	458,471.92	757,777.65	32.25847397	-103.63314859
	12,300.00	90.00	359.59	10,729.82	7,048.62	482.24	473.96	-1,157.98	0.00	458,571.92	757,776.94	32.25874883	-103.63314879
	12,400.00	90.00	359.59	10,729.83	7,048.63	582.24	573.96	-1,158.69	0.00	458,671.91	757,776.23	32.25902369	-103.63314898
	12,500.00	90.00	359.59	10,729.83	7,048.63	682.24	673.96	-1,159.40	0.00	458,771.90	757,775.51	32.25929856	-103.63314917
Landing Point	12,600.00	90.00	359.59	10,729.84	7,048.64	782.24	773.96	-1,160.11	0.00	458,871.90	757,774.80	32.25957342	-103.63314936
	12,700.00	90.00	359.59	10,729.84	7,048.64	882.24	873.95	-1,160.82	0.00	458,971.89	757,774.09	32.25984828	-103.63314955
	12,800.00	90.00	359.59	10,729.85	7,048.65	982.24	973.95	-1,161.53	0.00	459,071.88	757,773.38	32.26012315	-103.63314974
	12,900.00	90.00	359.59	10,729.85	7,048.65	1,082.24	1,073.95	-1,162.25	0.00	459,171.88	757,772.67	32.26039801	-103.63314993
	13,000.00	90.00	359.59	10,729.86	7,048.66	1,182.24	1,173.95	-1,162.96	0.00	459,271.87	757,771.96	32.26067288	-103.63315012
	13,100.00	90.00	359.59	10,729.86	7,048.66	1,282.24	1,273.94	-1,163.67	0.00	459,371.87	757,771.25	32.26094774	-103.63315031
	13,200.00	90.00	359.59	10,729.87	7,048.67	1,382.24	1,373.94	-1,164.38	0.00	459,471.86	757,770.54	32.26122260	-103.63315050
	13,300.00	90.00	359.59	10,729.87	7,048.67	1,482.24	1,473.94	-1,165.09	0.00	459,571.85	757,769.82	32.26149747	-103.63315069
	13,400.00	90.00	359.59	10,729.88	7,048.68	1,582.24	1,573.94	-1,165.80	0.00	459,671.85	757,769.11	32.26177233	-103.63315088
	13,500.00	90.00	359.59	10,729.88	7,048.68	1,682.24	1,673.93	-1,166.51	0.00	459,771.84	757,768.40	32.26204719	-103.63315107
Triste Draw 36-25 Federal Com 2	13,600.00	90.00	359.59	10,729.89	7,048.69	1,782.24	1,773.93	-1,167.22	0.00	459,871.83	757,767.69	32.26232206	-103.63315126
	13,700.00	90.00	359.59	10,729.89	7,048.69	1,882.24	1,873.93	-1,167.93	0.00	459,971.83	757,766.98	32.26259692	-103.63315145
	13,800.00	90.00	359.59	10,729.90	7,048.70	1,982.24	1,973.93	-1,168.65	0.00	460,071.82	757,766.27	32.26287178	-103.63315164
	13,900.00	90.00	359.59	10,729.90	7,048.70	2,082.24	2,073.92	-1,169.36	0.00	460,171.81	757,765.56	32.26314665	-103.63315183
	14,000.00	90.00	359.59	10,729.91	7,048.71	2,182.24	2,173.92	-1,170.07	0.00	460,271.81	757,764.85	32.26342151	-103.63315202
	14,100.00	90.00	359.59	10,729.91	7,048.71	2,282.24	2,273.92	-1,170.78	0.00	460,371.80	757,764.14	32.26369638	-103.63315221
	14,200.00	90.00	359.59	10,729.92	7,048.72	2,382.24	2,373.92	-1,171.49	0.00	460,471.79	757,763.42	32.26397124	-103.63315240
	14,300.00	90.00	359.59	10,729.92	7,048.72	2,482.24	2,473.91	-1,172.20	0.00	460,571.79	757,762.71	32.26424610	-103.63315259
	14,400.00	90.00	359.59	10,729.93	7,048.73	2,582.24	2,573.91	-1,172.91	0.00	460,671.78	757,762.00	32.264	

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
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Survey Type: Def Plan

Survey Error Model: ISCWSA0 3 - D 95 % Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,364.000	1/100,000	1.5 – 12.25	8.75 3.375 – 9.625	– 7	A001Mb_MWD		Triste Draw 36-25 Federal Com 211H / Coterra Tris
	1	10,364.000	19,512.979	1/100,000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 211H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,190.200	17.500	13.375	
4,835.607	12.250	9.625	
12,202.200	8.750	7.000	
21,013.170	6.000	4.500	

1. Geological Formations

TVD of target 10,730

Pilot Hole TD N/A

MD at TD 21,014

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1238	N/A	
Top of Salt	1731	N/A	
Lamar	5036	N/A	
Bell Canyon	5087	Hydrocarbons	
Cherry Canyon	5940	Hydrocarbons	
Brushy Canyon	7318	N/A	
Basal Brushy Canyon	8633	N/A	
Bone Spring Lime	8850	N/A	
Avalon Shale	9465	Hydrocarbons	
1st Bone Spring Sand	10050	Hydrocarbons	
2nd Bone Spring Sand	10592	Hydrocarbons	
Upper 2nd Sand - Target	10730	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1288	1288	13-3/8"	48.00	H-40	ST&C	1.33	3.10	5.21
12 1/4	0	5136	5136	9-5/8"	40.00	HCK-55	LT&C	1.45	1.50	2.77
8 3/4	0	10310	10310							
8 3/4	10310	11060	10683	7"	29.00	P-110	BT&C	1.71	2.24	85.88
6	9810	21014	10730	4-1/2"	11.60	P-110	BT&C	1.51	2.13	34.39
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Cimarex Energy Co., Triste Draw 36-25 Federal Com 211H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	N
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	N
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	N
Is 2nd string set 100' to 600' below the base of salt?	N
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	N
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	N
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	N
Is AC Report included?	Y

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	624	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	168	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	970	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	292	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	330	10.30	3.64	22.18	12	Lead: Tuned Light + LCM
	125	14.80	1.36	6.57	9.5	Tail: Class C + Retarder
Completion System	739	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4936	25
Completion System	10860	10

Cimarex request the ability to perform casing integrity tests after plug bump of cement job.

4. Pressure Control Equipment

A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
BOP installed and tested before drilling which hole?	Size	Min Required WP	Type		Tested To
12 1/4	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram		
			Double Ram	X	
			Other		
8 3/4	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram		
			Double Ram	X	
			Other		
6	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or 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. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.				
X	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.				
	N	Are anchors required by manufacturer?			

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1288'	Fresh Water	7.83 - 8.33	28	N/C
1288' to 5136'	Brine Water	9.50 - 10.00	30-32	N/C
5136' to 11060'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C
11416' to 21014'	OBM	8.50 - 9.00	50-70	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

6. Logging and Testing Procedures

Logging, Coring and Testing	
	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
X	No logs are planned based on well control or offset log information.
	Drill stem test?
	Coring?

Additional Logs Planned	Interval
-------------------------	----------

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	5021 psi
Abnormal Temperature	No

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

X	H ₂ S is present
X	H ₂ S plan is attached

8. Other Facets of Operation**9. Wellhead**

1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.
2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.

BOPE Additional Information & Testing

1. After running the first string of casing, a 10M BOP/BOPE system with 5M annular will be installed. BOPs will be tested according to Onshore Order #2. BOPE will be tested to full rated pressure (10K for all BOPE except the annular, which is tested to 5K). For the low test, the system will be tested to 250 psi.
2. All BOP equipment will be tested utilizing a conventional test plug.
3. A remote kill line is included in the BOPE system
4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.
5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Additional Well Control Notes

1. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description Effective May 25, 2021

I. Operator: Cimarex Energy Company **OGRID:** 215099 **Date:** 11/7/23

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Triste Draw 36-25 Federal Corn	211H	N, Sec 36 T23S, R32E	1267 FSL/2305	FWL 1213	1901	3027

IV. Central Delivery Point Name: Triste Draw 36-25 CTB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Triste Draw 36-25 Federal Corn	211H	7/15/2026	8/6/2026	12/2/2026	1/18/2027	1/18/2027

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

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

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

Section 2 – Enhanced Plan**EFFECTIVE APRIL 1, 2022**

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature: 
Printed Name: Sarah Jordan
Title: Regulatory Analyst
E-mail Address: sarah.jordan@coterra.com
Date: 11/17/23
Phone: 432/620-1909
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:

From State of New Mexico, Natural Gas Management Plan

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

XEC Standard Response

Standard facility gas process flow begins at the inlet separator. These vessels are designed based off of forecasted rates and residence times in accordance with, and often greater than, API 12J. The separated gas is then routed to an additional separation vessel (ie sales scrubber) in order to extract liquids that may have carried over or developed due to the decrease in pressure. The sales scrubber is sized based on API 521. From the sales scrubber, the gas leaves the facility and enters the gas midstream gathering network.

Cimarex

VII. Operational Practices

Cimarex values the sustainable development of New Mexico's natural resources. Venting and flaring of natural gas is a source of waste in the industry, and Cimarex will ensure that its values are aligned with those of NMOCD. As such, Cimarex plans to take pointed steps to ensure compliance with Subsection A through F of 19.15.27.8 NMAC.

Specifically, below are the steps Cimarex will plan to follow under routine well commissioning and operations.

1. Capture or combust natural gas during drilling operations where technically feasible, using the best industry practices and control technologies.
 - a. All flares during these operations will be a minimum of 100ft away from the nearest surface-hole location.
2. All gas present during post-completion drill-out and flow back will be routed through separation equipment, and, if technically feasible, flare unsellable vapors rather than vent. Lastly, formal sales separator commissioning to process well-stream fluids and send gas to a gas flow line/collection system or use the gas for on-site fuel or beneficial usage, gas as soon as is safe and technically feasible.
3. Cimarex will ensure the flare or combustion equipment is properly sized to handle expected flow rates, ensure this equipment is equipped with an automatic or continuous ignition source, and ensure this equipment is designed for proper combustion efficiency.
4. If Cimarex must flare because gas is not meeting pipeline specifications, Cimarex will limit flaring to <60 days, analyze gas composition at least twice per week, and route gas into a gathering pipeline as soon as pipeline specifications are met.
5. Under routine production operations, Cimarex will not flare/vent unless:
 - a. Venting or flaring occurs due to an emergency or equipment malfunction.
 - b. Venting or flaring occurs as a result of unloading practices, and an operator is onsite (or within 30 minutes of drive time and posts contact information at the wellsite) until the end of unloading practice.
 - c. The venting or flaring occurs during automated plungerlift operations, in which case the Cimarex operator will work to optimize the plungerlift system to minimize venting/flaring.
 - d. The venting or flaring occurs during downhole well maintenance, in which case Cimarex will work to minimize venting or flaring operations to the extent that it does not pose a risk to safe operations.
 - e. The well is an exploratory well, the division has approved the well as an exploratory well, venting or flaring is limited to 12 months, as approved by the division, and venting/flaring does not cause Cimarex to breach its State-wide 98% gas capture requirement.
 - f. Venting or flaring occurs because the stock tanks or other low-pressure vessels are being gauged, sampled, or liquids are being loaded out.
 - g. The venting or flaring occurs because pressurized vessels are being maintained and are being blown-down or depressurized.
 - h. Venting or flaring occurs as a result of normal dehydration unit operations.

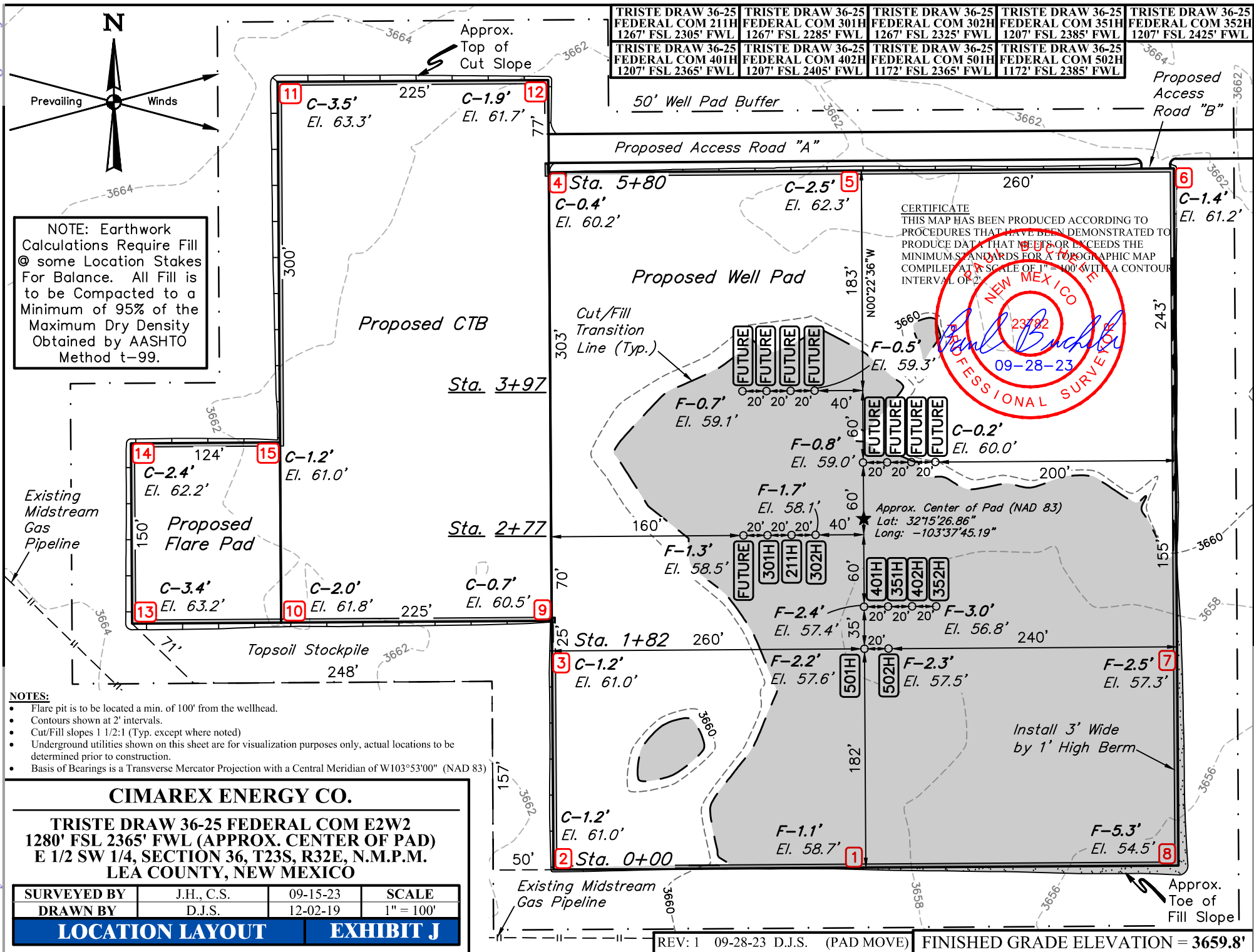
- i. Venting or flaring occurs as a result of bradenhead testing.
 - j. Venting or flaring occurs as a result of normal compressor operations, including general compressor operations, compressor engines and turbines.
 - k. Venting or flaring occurs as a result of a packer leakage test.
 - l. Venting or flaring occurs as a result of a production test lasting less than 24 hours unless otherwise approved by the division.
 - m. Venting or flaring occurs as a result of new equipment commissioning and is necessary to purge impurities from the pipeline or production equipment.
6. Cimarex will maintain its equipment in accordance with its Operations and Maintenance Program, to ensure venting or flaring events are minimized and that equipment is properly functioning.
7. Cimarex will install automatic tank gauging equipment on all production facilities constructed after May 25, 2021, to ensure minimal emissions from tank gauging practices.
8. By November 25, 2022, all Cimarex facilities equipped with flares or combustors will be equipped with continuous pilots or automatic igniters, and technology to ensure proper function, i.e. thermocouple, fire-eye, etc...
9. Cimarex will perform AVO (audio, visual, olfactory) facility inspections in accordance with NMOCD requirements. Specifically, Cimarex will:
 - a. Perform weekly inspections during the first year of production, and so long as production is greater than 60 MCFD.
 - b. If production is less than 60 MCFD, Cimarex will perform weekly AVO inspections when an operator is present on location, and inspections at least once per calendar month with at least 20 calendar days between inspections.
10. Cimarex will measure or estimate the volume of vented, flared or beneficially used natural gas, regardless of the reason or authorization for such venting or flaring.
11. On all facilities constructed after May 25, 2021, Cimarex will install metering where feasible and in accordance with available technology and best engineering practices, in an effort to measure how much gas could have been vented or flared.
 - a. In areas where metering is not technically feasible, such as low-pressure/low volume venting or flaring applications, engineering estimates will be used such that the methodology could be independently verified.
12. Cimarex will fulfill the division's requirements for reporting and filing of venting or flaring that exceeds 50 MCF in volume or last eight hours or more cumulatively within any 24-hour period.

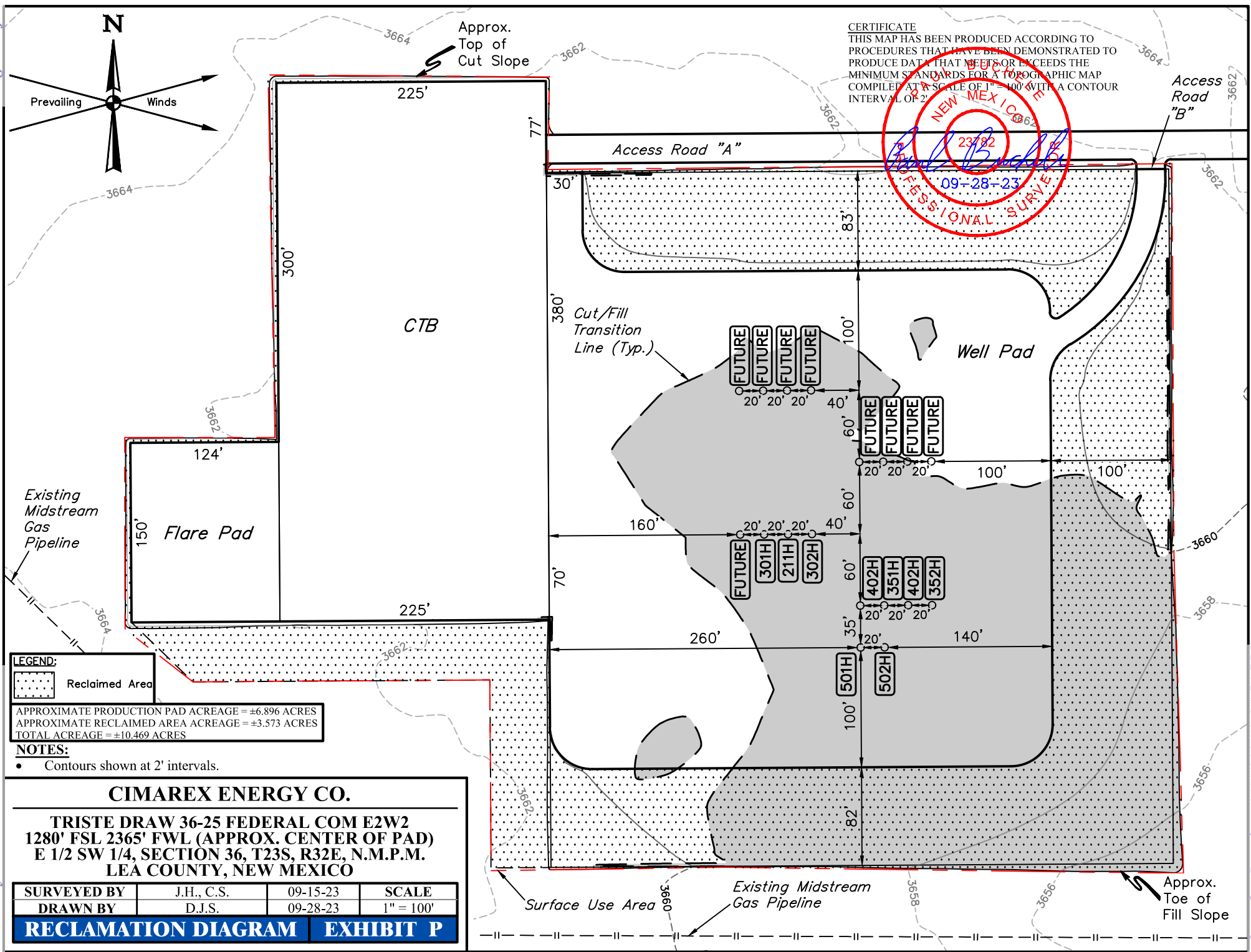
VIII. Best Management Practices to minimize venting during active and planned maintenance

Cimarex strives to ensure minimal venting occurs during active and planned maintenance activities. Below is a description of common maintenance practices, and the steps Cimarex takes to limit venting exposure.

- **Workovers:**
 - Always strive to kill well when performing downhole maintenance.
 - If vapors or trapped pressure is present and must be relieved then:
 - Initial blowdown to production facility:
 - Route vapors to LP flare if possible/applicable
 - Blowdown to portable gas buster tank:
 - Vent to existing or portable flare if applicable.
- **Stock tank servicing:**
 - Minimize time spent with thief hatches open.
 - When cleaning or servicing via manway, suck tank bottoms to ensure minimal volatiles exposed to atmosphere.
 - Connect vacuum truck to low pressure flare while cleaning bottoms to limit venting.
 - Isolate the vent lines and overflows on the tank being serviced from other tanks.
- **Pressure vessel/compressor servicing and associated blowdowns:**
 - Route to flare where possible.
 - Blow vessel down to minimum available pressure via pipeline, prior to venting vessel.
 - Preemptively changing anodes to reduce failures and extended corrosion related servicing.
 - When cleaning or servicing via manway, suck vessel bottoms to ensure minimal volatiles exposed to atmosphere.
- **Flare/combustor maintenance:**
 - Minimize downtime by coordinating with vendor and Cimarex staff travel logistics.
 - Utilizing preventative and predictive maintenance programs to replace high wear components before failure.
 - Because the flare/combustor is the primary equipment used to limit venting practices, ensure flare/combustor is properly maintained and fully operational at all times via routine maintenance, temperature telemetry, onsite visual inspections.

The Cimarex expectation is to limit all venting exposure. Equipment that may not be listed on this document is still expected to be maintained and associated venting during such maintenance minimized.





Standard New Mexico Variances

Variance Request #1: Skid Rig after Cementing Surface Casing

Coterra requests permission to skid the rig to the next well on the pad in order to begin operations immediately after the cement job for the surface casing has been completed. After the cement job is completed, no operations on the subject well will be conducted until at least 8 hours have elapsed, and both lead and tail slurries have achieved 500 psi compressive strength. While cement cures, the surface casing of the subject well will be suspended in the well by a mandrel and landing ring system, which is independent from the rig and ensures that casing remains centered while the rig is active on other wells. Before skidding the rig, a TA cap is installed on the subject well.

Variance Request #4: Utilize Co-Flex Choke Line

Coterra requests approval to utilize a co-flex choke line between the BOP and choke manifold. Certification for the proposed co-flex choke line is attached. The choke line is not required by the manufacturer to be anchored. In the event the specific co-flex choke line is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only.



CERTIFICATE OF QUALITY

LTTY/QR-5.7.1-19B

No: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×35ft（10.67m）	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3 rd edition
Temperature Range	-29℃～+121℃	Inspection date	2024.09.03

Inspection Items		Inspection results			
Appearance Checking		In accordance with API Spec 16C 3 rd edition			
Size and Lengths		In accordance with API Spec 16C 3 rd edition			
Dimensions and Tolerances		In accordance with API Spec 16C 3 rd edition			
End Connections: 4-1/16"×10000psi Integral flange for sour gas service		In accordance with API Spec 6A 21 st edition			
End Connections: 4-1/16"×10000psi Integral flange for sour gas service		In accordance with API Spec 17D 3 rd edition			
Hydrostatic Testing		In accordance with API Spec 16C 3 rd edition			
product Marking		In accordance with API Spec 16C 3 rd edition			
Inspection conclusion		The inspected items meet standard requirements of API Spec 16C 3 rd edition			
Remarks		16C-0403 			
Approver	Jane C	Auditor	Alice D	Inspector	Leo W
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD				 LETONE	



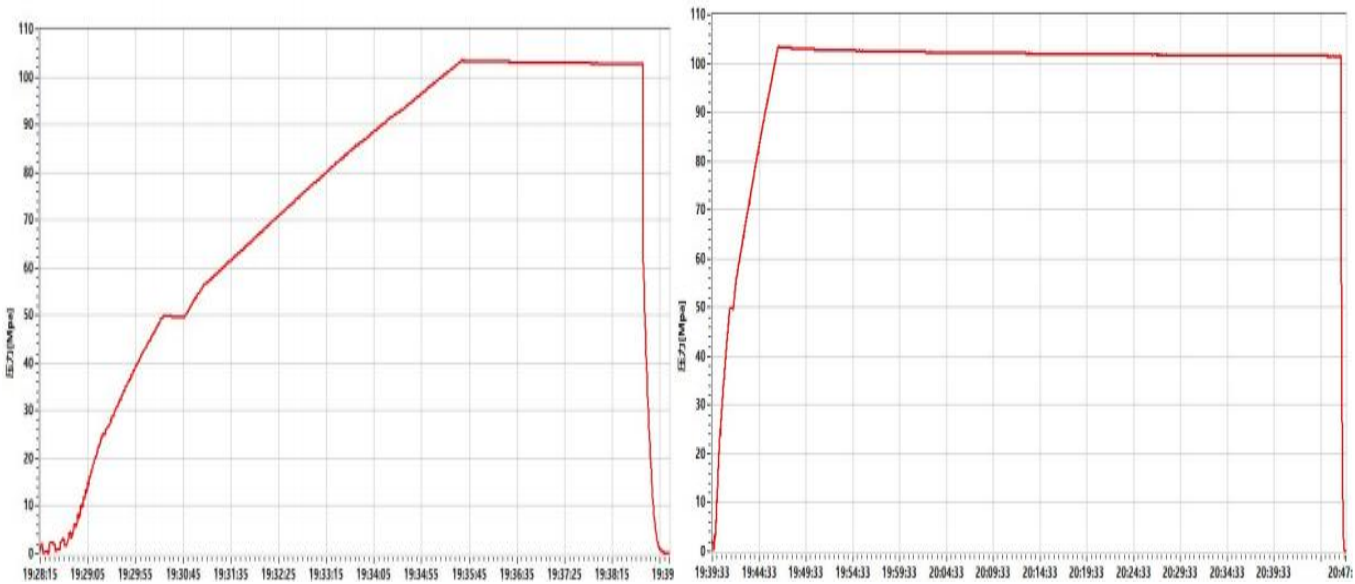
HYDROSTATIC TESTING REPORT

LTTY/QR-5.7.1-28

No: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd edition
Product Specification	3″×10000psi×35ft （10.67m）	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leakage.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition				16C-0403
Approver	Jane C	Auditor	Alice D	Inspector	Leo W
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD					



CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name: Choke And Kill Hose

Product Specification: 3"×10000psi×35ft (10.67m)

Serial Number: VTC-7660257

customer number: PO890145-001

End Connections: 4-1/16"×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager:

Jane C

Date:Sep 3, 2024

16C-0403 The logo for API Spec 16C, featuring the letters "API" inside a diamond shape.

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD





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

SUPO Data Report

11/12/2025

APD ID: 10400095773

Submission Date: 11/20/2023

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data
reflects the most
recent changes

[Show Final Text](#)

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Triste_Draw_36_25_Federal_Com_Existing_Roads_Plant_20231115141013.pdf

Existing Road Purpose: ACCESS

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COMWell Number: 211H

Triste_Draw_36_25_Federal_Com_Existing_Well_Plat_20231115141106.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: CTB will located in the northwest corner of the pad. See location layout plat.

Production Facilities map:

Triste_Draw_36_25_Federal_Com_Location_Layout_Plat_20231115141126.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: OTHER

Describe type: Commercial Water NGL CTP Treated Produced Water

Water source use type:

SURFACE CASING
INTERMEDIATE/PRODUCTION CASING

Source latitude: 32.247036

Source longitude: -103.619864

Source datum: NAD83

City:

Water source permit type:

WATER RIGHT

Water source transport method:

TRUCKING
PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 150000

Source volume (acre-feet): 19.33396445

Source volume (gal): 6300000

Water source and transportation

Triste_Draw_36_25___Water_Transportation_Map_20231115141213.pdf

Water source comments:

New water well? N

New Water Well Info

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Well latitude:****Well Longitude:****Well datum:****Well target aquifer:****Est. depth to top of aquifer(ft):****Est thickness of aquifer:****Aquifer comments:****Aquifer documentation:****Well depth (ft):****Well casing type:****Well casing outside diameter (in.):****Well casing inside diameter (in.):****New water well casing?****Used casing source:****Drilling method:****Drill material:****Grout material:****Grout depth:****Casing length (ft.):****Casing top depth (ft.):****Well Production type:****Completion Method:****Water well additional information:****State appropriation permit:****Additional information attachment:**

Section 6 - Construction Materials

Using any construction materials: NO**Construction Materials description:****Construction Materials source location**

Section 7 - Methods for Handling

Waste type: DRILLING**Waste content description:** Drilling Fluids, drill cuttings, water and other waste produced from the well during drilling operations.**Amount of waste:** 15000 barrels**Waste disposal frequency :** Weekly**Safe containment description:** Drilling waste will be stored in lined secondary containment.**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY**Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** Haul to R360 Environmental Solutions, 4507 Carlsbad Hwy, Hobbs, NM 88240

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Waste type:** GARBAGE**Waste content description:** Onsite Refuse/trash**Amount of waste:** 32500 pounds**Waste disposal frequency :** Weekly

Safe containment description: Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Safe containmant attachment:**Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:****Disposal location description:** All trash and waste material will be hauled to the Lea County Landfill.**Waste type:** SEWAGE**Waste content description:** Onsite human waste**Amount of waste:** 300 gallons**Waste disposal frequency :** Weekly**Safe containment description:** A chemical porta-toilet will be furnished with the drilling rig**Safe containmant attachment:****Waste disposal type:** HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL**Disposal type description:**

Disposal location description: The chemical porta-toilet wastes will be hauled to state approved disposal facility for treatment.

Reserve Pit

Reserve Pit being used? NO**Temporary disposal of produced water into reserve pit?** NO**Reserve pit length (ft.)** **Reserve pit width (ft.)****Reserve pit depth (ft.)** **Reserve pit volume (cu. yd.)****Is at least 50% of the reserve pit in cut?****Reserve pit liner****Reserve pit liner specifications and installation description**

Cuttings Area

Cuttings Area being used? NO

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Are you storing cuttings on location?** N**Description of cuttings location****Cuttings area length (ft.)****Cuttings area width (ft.)****Cuttings area depth (ft.)****Cuttings area volume (cu. yd.)****Is at least 50% of the cuttings area in cut?****Cuttings area liner****Cuttings area liner specifications and installation description**

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N**Ancillary Facilities****Comments:**

Section 9 - Well Site

Well Site Layout Diagram:

Triste_Draw_36_25_Federal_Com_Reclamation_20231115141305.pdf

Comments:

Section 10 - Plans for Surface

Type of disturbance: No New Surface Disturbance **Multiple Well Pad Name:** Triste Draw**Multiple Well Pad Number:** 36-25 Federal Com**Recontouring**

Triste_Draw_36_25_Federal_Com_Reclamation_20231115141405.pdf

Drainage/Erosion control construction: Pad construction will include drainage control by rerouting drainages around the pad an installing culverts or low water crossings where needed. Erosion control techniques will be used where needed to minimize wind and water erosion and sedimentation prior to vegetation establishment

Drainage/Erosion control reclamation: Area-wide drainage will be stabilized and restored so that surface runoff flows and gradients are returned to the condition present prior to development. Drainage basins will have similar features found in nearby, properly functioning basins.

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well pad proposed disturbance
(acres):

Road proposed disturbance (acres):

Powerline proposed disturbance
(acres):Pipeline proposed disturbance
(acres):

Other proposed disturbance (acres):

Well pad interim reclamation (acres):

Road interim reclamation (acres):

Powerline interim reclamation (acres):

Pipeline interim reclamation (acres):

Other interim reclamation (acres):

Well pad long term disturbance
(acres):

Road long term disturbance (acres):

Powerline long term disturbance
(acres):Pipeline long term disturbance
(acres):

Other long term disturbance (acres):

Total proposed disturbance:

Total interim reclamation:

Total long term disturbance:

Disturbance Comments:

Reconstruction method: Areas to be reclaimed will be graded to approximate original contours and to blend in with adjacent topography. Graded surfaces will be suitable for the replacement of a uniform depth of topsoil, will promote cohesion between subsoil and topsoil layers, will reduce wind erosion, and will facilitate moisture capture. Specialized grading techniques may be applied, if warranted, and could include slope rounding, stair-step grading/terracing, and/or contour furrowing.

Topsoil redistribution: After compaction relief (ripping and discing) all topsoil will be redistributed on the reclaimed area to a pre-disturbance depth. Topsoil is typically redistributed with a scraper or front-end loader which leaves a friable surface to work with. Waterbars and erosion control devices will be installed on reclaimed areas, as necessary, to control topsoil erosion.

Soil treatment: As needed.

Existing Vegetation at the well pad: Vegetation types noted during onsite were shinnery oak, yucca, mesquite, and big blue stem.

Existing Vegetation at the well pad

Existing Vegetation Community at the road: Vegetation types noted during onsite were shinnery oak, yucca, mesquite, and big blue stem.

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: Vegetation types noted during onsite were shinnery oak, yucca, mesquite, and big blue stem.

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: Vegetation types noted during onsite were shinnery oak, yucca, mesquite, and big blue stem.

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Seed harvest description attachment:****Seed****Seed Table****Seed Summary****Total pounds/Acre:****Seed Type****Pounds/Acre****Seed reclamation****Operator Contact/Responsible Official****First Name:** Laci**Last Name:** Luig**Phone:** (432)425-0434**Email:** laci.luig@coterra.com**Seedbed prep:****Seed BMP:****Seed method:****Existing invasive species?** N**Existing invasive species treatment description:****Existing invasive species treatment****Weed treatment plan description:** N/A**Weed treatment plan****Monitoring plan description:** Monitoring will be done in accordance with the NMSLO Reclamation Guidelines**Monitoring plan****Success standards:** Success Standards will be in accordance with the NMSLO Reclamation Guidelines.

Pit closure description: No pit closure will be necessary. The referenced wells will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that will prevent leaks, breaks, or discharge. Drill cuttings will be contained in designated cuttings area. Upon completion of drilling operations, the cuttings will be mixed on location and dried; then spread on location.

Pit closure attachment:**Section 11 - Surface**

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**Disturbance type:** WELL PAD**Describe:****Surface Owner:** OTHER**Other surface owner description:** New Mexico State Land Office**BIA Local Office:****BOR Local Office:****COE Local Office:****DOD Local Office:****NPS Local Office:****State Local Office:****Military Local Office:****USFWS Local Office:****Other Local Office:****USFS Region:****USFS Forest/Grassland:****USFS Ranger District:****Section 12 - Other****Right of Way needed?** N**Use APD as ROW?****ROW Type(s):****ROW****SUPO Additional Information:****Use a previously conducted onsite?** N**Previous Onsite information:****Other SUPO**

BEGINNING AT THE INTERSECTION OF HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE 32.2105° AND LONGITUDE -103.5947) PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD "A" TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 707' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF HIGHWAY 128 AND AN EXISTING ROAD TO THE NORTHWEST (LOCATED AT NAD 83 LATITUDE 32.2105° AND LONGITUDE -103.5947) TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 3.9 MILES.

REV: 1 09-28-23 D.J.S. (PAD MOVE)

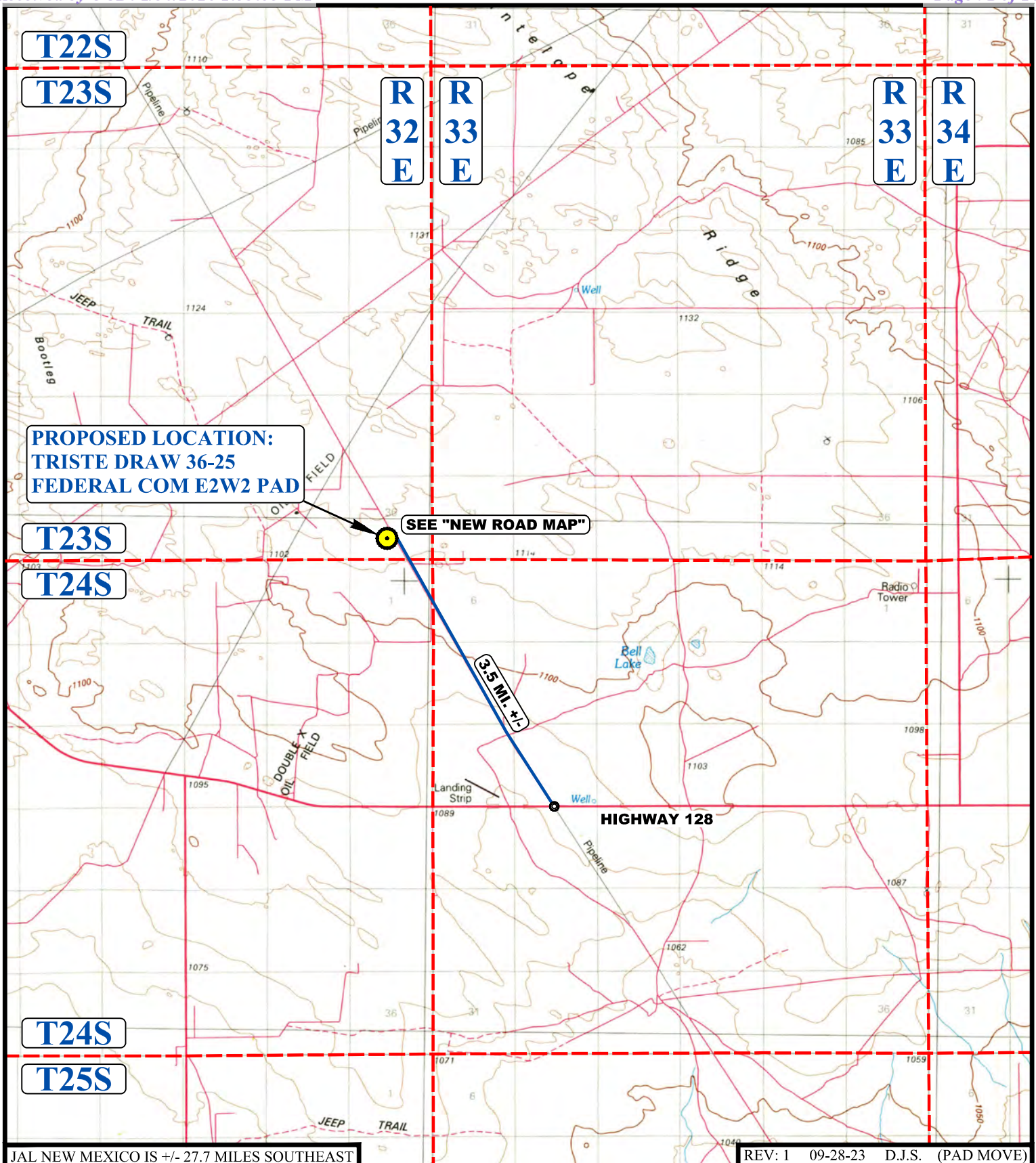
CIMAREX ENERGY CO.

TRISTE DRAW 36-25 FEDERAL COM E2W2 PAD
1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

SURVEYED BY	J.H., C.S.	09-15-23	
DRAWN BY	S.T.O.	12-02-19	
ROAD DESCRIPTION			EXHIBIT A



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

**LEGEND:**

PROPOSED LOCATION

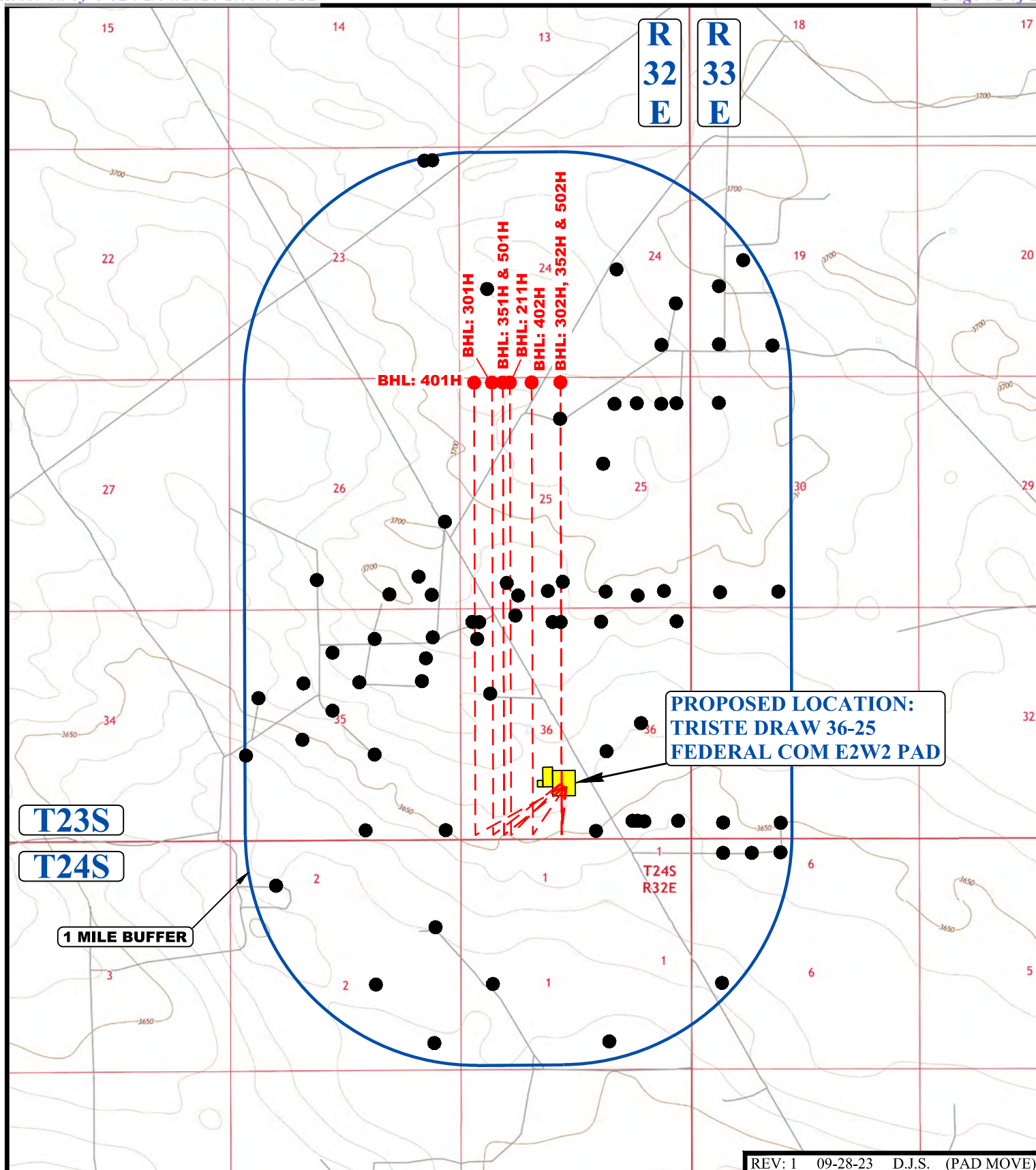
**CIMAREX ENERGY CO.**

**TRISTE DRAW 36-25 FEDERAL COM E2W2 PAD
1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO**

SURVEYED BY	J.H., C.S.	09-15-23	SCALE
DRAWN BY	S.T.O.	12-02-19	1 : 100,000
PUBLIC ACCESS ROAD MAP		EXHIBIT B	



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

**LEGEND:**

● EXISTING WELLS

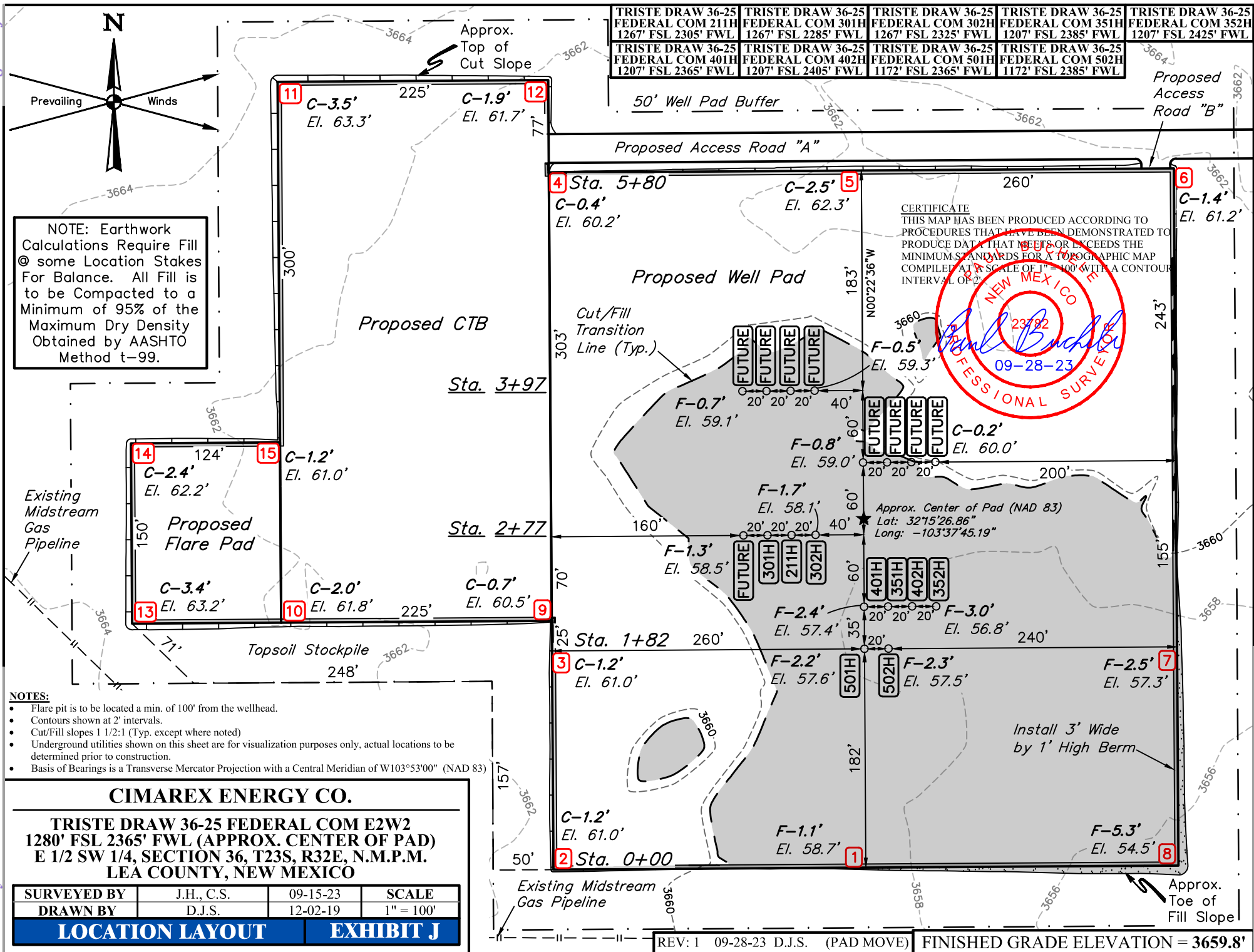


UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

**CIMAREX ENERGY CO.**

TRISTE DRAW 36-25 FEDERAL COM E2W2 PAD
 1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
 E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
 LEA COUNTY, NEW MEXICO

SURVEYED BY	J.H., C.S.	09-15-23	SCALE
DRAWN BY	S.T.O.	12-02-19	1 : 36,000
1 MILE RADIUS MAP			EXHIBIT E



Triste Draw 36-25 Pad

Water Transportation Map

Head southeast
Triste Draw 36-25 Pad



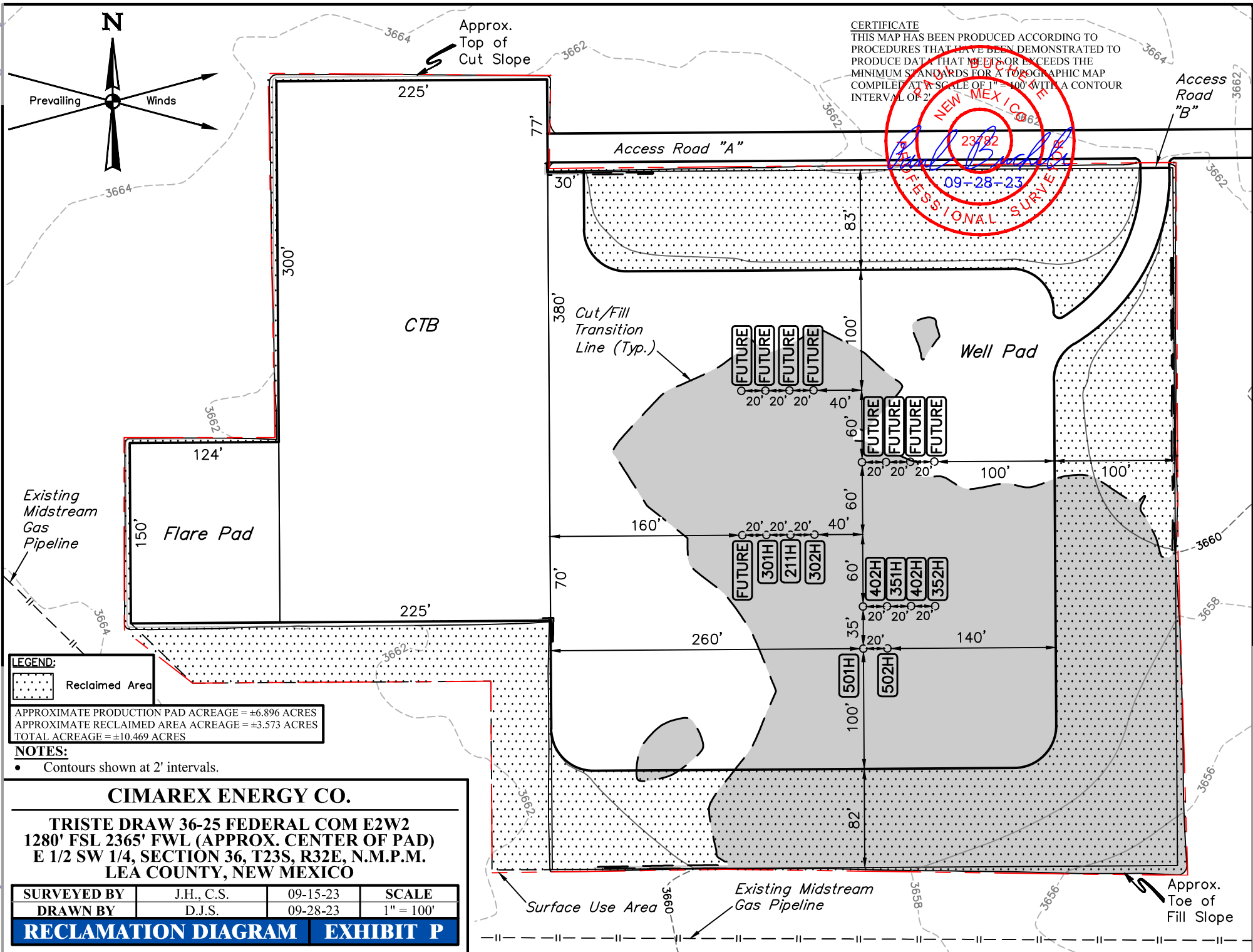
Commercial Water Source

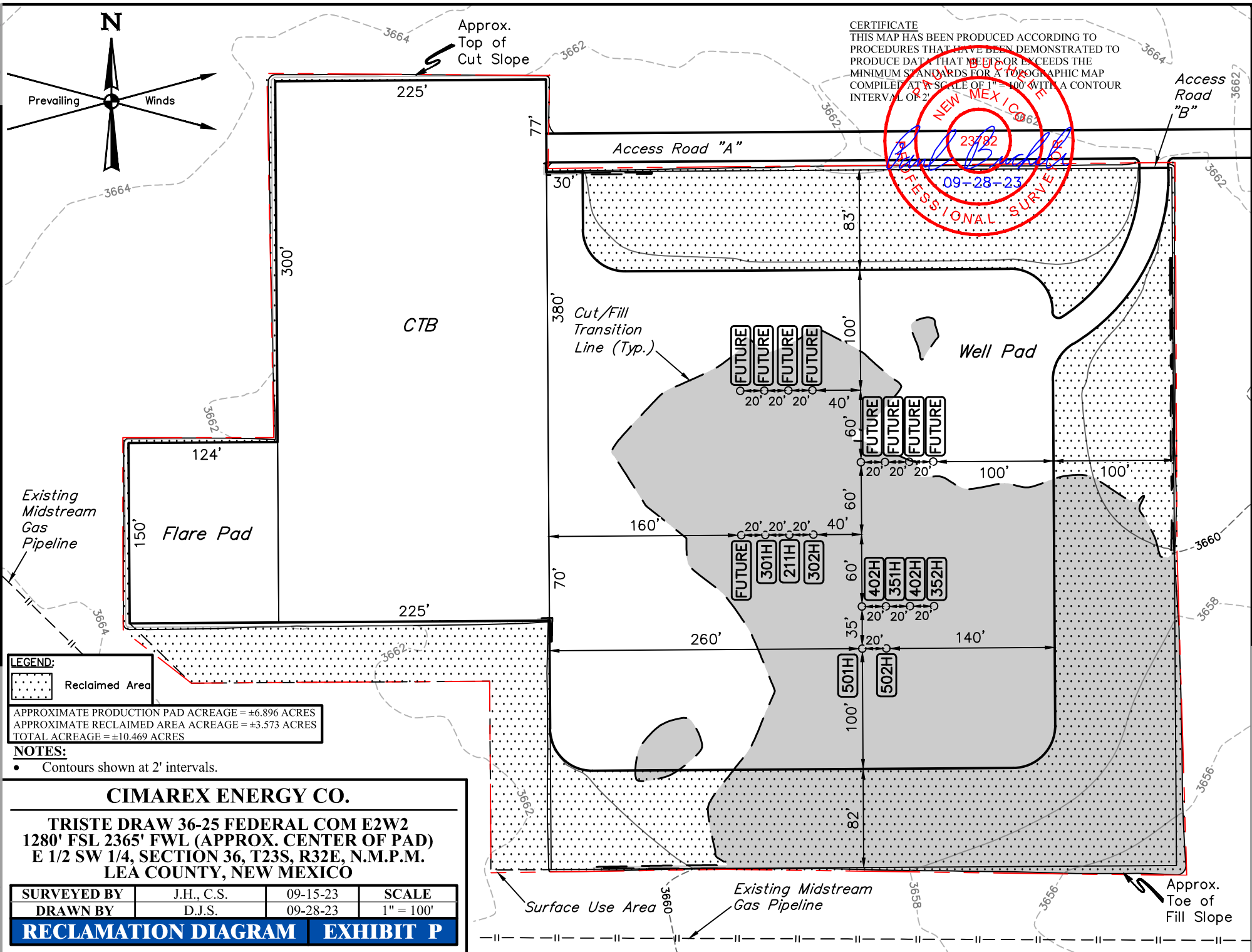
Turn left

Google Earth



3000 ft







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

PWD Data Report

11/12/2025

APD ID: 10400095773

Submission Date: 11/20/2023

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres):

PWD surface owner:

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Describe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 211H**State****Unlined Produced Water Pit Estimated****Unlined pit: do you have a reclamation bond for the pit?****Is the reclamation bond a rider under the BLM bond?****Unlined pit bond number:****Unlined pit bond amount:****Additional bond information****Section 4 -****Would you like to utilize Injection PWD options?** N**Produced Water Disposal (PWD) Location:****PWD surface owner:****PWD disturbance (acres):****Other PWD Surface Owner Description:****Injection PWD discharge volume (bbl/day):****Injection well mineral owner:****Injection well type:****Injection well number:****Injection well name:****Assigned injection well API number?****Injection well API number:****Injection well new surface disturbance (acres):****Minerals protection information:****Mineral protection****Underground Injection Control (UIC) Permit?****UIC Permit****Section 5 - Surface****Would you like to utilize Surface Discharge PWD options?** N**Produced Water Disposal (PWD) Location:****PWD surface owner:****PWD disturbance (acres):****Other PWD Surface Owner Description :****Surface discharge PWD discharge volume (bbl/day):****Surface Discharge NPDES Permit?****Surface Discharge NPDES Permit attachment:****Surface Discharge site facilities information:****Surface discharge site facilities map:**

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner:

PWD disturbance (acres):

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements



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

Bond Info Data

11/12/2025

APD ID: 10400095773

Submission Date: 11/20/2023

Highlighted data
reflects the most
recent changes
[Show Final Text](#)

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 211H

Well Type: OIL WELL

Well Work Type: Drill

Bond

Federal/Indian APD: FED

BLM Bond number: NMB001188

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Well Name: TRISTE DRAW 36-25 FEDERAL COM	Well Location: T23S / R32E / SEC 36 / SESW / 32.257425 / -103.629413	County or Parish/State: LEA / NM
Well Number: 211H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC063228	Unit or CA Name: TRISTE DRAW 25 FED COM 8,9,10.	Unit or CA Number: NMNM138463
US Well Number:	Operator: CIMAREX ENERGY COMPANY	

Notice of Intent

Sundry ID: 2882367

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 11/12/2025	Time Sundry Submitted: 02:16
Date proposed operation will begin: 11/12/2025	

Procedure Description: Cimarex Energy Co requests the following changes to the Triste Draw 36-25 Fed Com 201H (APD ID 10400095773) SHL change from 1267 FSI 2305 FWL to 1302 FSL 2265 FWL BHL change from 100 FNL 1150 FWI to 100 FNL 530 FWL Casing design change from 13 3/8 x 9 5/8 x 7 x 4 1/2 to 13 3/8 x 9 5/8 x 5 1/2 See attached updated, C102, drilling plan and directionals.

NOI Attachments

Procedure Description

Triste_Draw_36_25_Fed_Com_211H_Sundry_Submittal_11122025_20251112141643.pdf

Received by OCD: 1/30/2026 1:33:53 PM

Page 103 of 140

Well Name: TRISTE DRAW 36-25 FEDERAL COM	Well Location: T23S / R32E / SEC 36 / SESW / 32.257425 / -103.629413	County or Parish/State: LEA / NM
Well Number: 211H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC063228	Unit or CA Name: TRISTE DRAW 25 FED COM 8,9,10.	Unit or CA Number: NMNM138463
US Well Number:	Operator: CIMAREX ENERGY COMPANY	

Conditions of Approval

Additional

36_23_32_N_Sundry_ID_2882367_Triste_Draw_36_25_Federal_Com_211H_Lea_NM86154_CIMAREX_ENERGY_CO
MPANY_13_22g_2_27_2024_LV_20260122095121.pdf
Triste_Draw_36_25_Federal_Com_211H_Dr_COA_20260122095121.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: SHELLY BOWEN	Signed on: NOV 12, 2025 02:16 PM
Name: CIMAREX ENERGY COMPANY	
Title: Regulatory Analyst	
Street Address: 6001 DEAUVILLE BLVD STE 300N	
City: MIDLAND	State: TX
Phone: (432) 620-1644	
Email address: DL_PBUREGULATORY@COTERRA.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: 01/28/2026
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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMLC063228
		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. TRISTE DRAW 25 FED COM 8,9,10./NMNM138463
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. TRISTE DRAW 36-25 FEDERAL COM/211H
2. Name of Operator CIMAREX ENERGY COMPANY		9. API Well No.
3a. Address 6001 DEAUVILLE BLVD STE 300N, MIDLAND, TX	3b. Phone No. (include area code) (432) 571-7800	10. Field and Pool or Exploratory Area TRISTE DRAW/BONE SPRING
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 36/T23S/R32E/NMP		11. Country or Parish, State LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleate 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 perfonned 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 detennined that the site is ready for final inspection.)

Cimarex Energy Co requests the following changes to the Triste Draw 36-25 Fed Com 201H (APD ID 10400095773)

SHL change from 1267 FSI 2305 FWL to 1302 FSL 2265 FWL

BHL change from 100 FNL 1150 FWI to 100 FNL 530 FWL

Casing design change from 13 3/8 x 9 5/8 x 7 x 4 1/2 to 13 3/8 x 9 5/8 x 5 1/2

See attached updated, C102, drilling plan and directionals.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHELLY BOWEN / Ph: (432) 620-1644	Title Regulatory Analyst
Signature (Electronic Submission)	Date 11/12/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 01/28/2026
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 CARLSBAD	

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 / 1267 FSL / 2305 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257425 / LONG: -103.629413 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 100 FSL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254204 / LONG: -103.633146 (TVD: 10129 feet, MD: 10310 feet)

PPP: SWNW / 2642 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.275713 / LONG: -103.62216 (TVD: 10730 feet, MD: 18471 feet)

PPP: NWSW / 0 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268445 / LONG: -103.633155 (TVD: 10730 feet, MD: 15827 feet)

BHL: NWNW / 100 FNL / 1150 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.282698 / LONG: -103.633135 (TVD: 10730 feet, MD: 21013 feet)

CONFIDENTIAL

36-23-32-N Sundry ID 2882367 Triste Draw 36-25 Federal Com 211H Lea NM86154 CIMAREX ENERGY COMPANY 13-22g 2-27-2024
LV.xlsm

Triste Draw 36-25 Federal Com 211H

13 3/8		surface csg in a		17 1/2		inch hole.		Design Factors				Surface	
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	48.00		h 40	stc	5.21	1.38	0.64	1,288	3	1.09	2.81	61,824	
"B"				stc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 649				Tail Cmt	does not	circ to sfc.	Totals:	1,288				61,824	
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
17 1/2	0.6946	811	1330	895	49	8.33	1585	2M				1.56	
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Site plot (pipe racks 3 or 4) as per D.3.3.30.D.4.1 not found.													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1		
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00		hck 55	ltc	3.13	1.57	0.79	5,130	1	1.49	2.67	205,200
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 570								Totals:	5,130			205,200
The cement volume(s) are intended to achieve a top of								ft from surface or a		1288		overlap.
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
12 1/4	0.3132	1260	2211	1688	31	10.30	2656	3M				0.81
r D V Tool(s):								sum of sx	Σ CuFt			Σ%excess
t by stage % :								#VALUE!	#VALUE!			
Class 'H' tail cmt yld > 1.20												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.79, b, c, d All > 0.70, OK.												

Tail cmt													
5 1/2		casing inside the		9 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	20.00			p 110	btc	2.99	2.21	2.52	21,055	3	4.76	4.17	421,100
"B"								0				0	
"C"								0				0	
"D"								0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,361								Totals:	21,055			421,100	
The cement volume(s) are intended to achieve a top of								4630	ft from surface or a		500	overlap.	
Hole	Annular	1 Stage	1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist	
Size	Volume	Cmt Sx	CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg	
7 7/8	0.1733	2745	4194	2889	45	9.00						0.91	
Class 'C' tail cmt yld > 1.35													

#N/A											
0	5 1/2										
Design Factors											
<Choose Casing>											
Segment	#/ft	Grade	Coupling	#N/A	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"			0.00				0				0
"B"			0.00				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig:							Totals:	0	0		
Cmt vol calc below includes this csg, TOC intended				#N/A	ft from surface or a			#N/A	overlap.		
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE	Min Dist Hole-Cplg		
0		#N/A	#N/A	0	#N/A						
#N/A Capitan Reef est top XXXX.											

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Cimarex Energy Company
LOCATION:	Section 36, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Triste Draw 36-25 Federal Com 211H
ATS/API ID:	ATS-24-424
APD ID:	10400095773
Sundry ID:	2882367

COA

H2S	Yes		
Potash		None	
Cave/Karst Potential	Low		
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☒ Flex Hose	☒ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole None	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☒ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention None	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H₂S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1288 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.
 - 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 pounds 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.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - 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 or potash.
 - ❖ In Ochoa Potash 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. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **500 feet** into the previous casing string. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

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.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch 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.

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

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.

- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- 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)

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - 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.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 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 dog house or stairway area.

A. CASING

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

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
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:
 - 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. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - e. 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.
 - a. 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).
 - b. 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.)

- c. 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 part 3170 Subpart 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).
- d. 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.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. 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.
- g. 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.
- h. 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 part 3170 Subpart 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.

Long Vo (LVO) 1/22/2026

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024	
			Submittal Type:	☐ Initial Submittal
				☒ Amended Report
		☐ As Drilled		

WELL LOCATION INFORMATION

API Number 30-025-55920	Pool Code 96603	Pool Name Triste Draw; Bone Spring
Property Code 336010	Property Name TRISTE DRAW 36-25 FEDERAL COM	Well Number 211H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Ground Level Elevation 3660.4'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	36	23S	32E		1302 SOUTH	2265 WEST	32.257521°	-103.629543°	LEA

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
D	25	23S	32E		100 NORTH	530 WEST	32.282693°	-103.635171°	LEA

Dedicated Acres 320	Infill or Defining Well Infill	Defining Well API 221H -pending	Overlapping Spacing Unit (Y/N) N Y	Consolidation Code C
Order Numbers. NA		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
M	36	23S	32E		100 SOUTH	530 WEST	32.254197°	-103.635151°	LEA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
M	36	23S	32E		100 SOUTH	530 WEST	32.254197°	-103.635151°	LEA

Last Take Point (LTP)

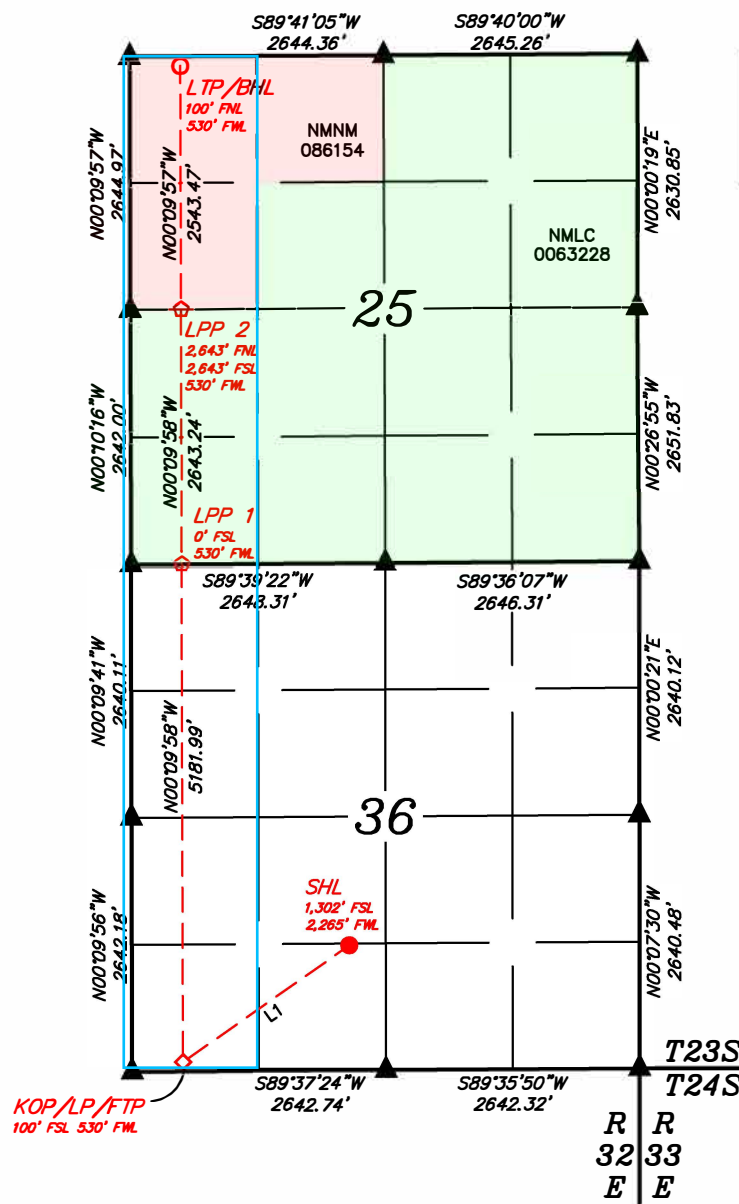
UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
D	25	23S	32E		100 NORTH	530 WEST	32.282693°	-103.635171°	LEA

Unitized Area or Area of Uniform Interest W2W2 Secs 25 & 36	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3660.4
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  Signature _____ Date 11/12/2025 Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 July 19, 2024 Certificate Number Date of Survey
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Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRISTE DRAW 36-25 FEDERAL COM	Well Number 211H	Drawn By D.J.S. 09-28-23	Revised By REV. 3 H.S.S. 09-16-25 (WELL BORE CHANGES)
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LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S54°58'09"W	2114.19'

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Colored areas within section lines represent Oil & Gas Leases.



NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'27.08" (32.257521°)
LONGITUDE = -103°37'46.35" (-103.629543°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.63" (32.257397°)
LONGITUDE = -103°37'44.62" (-103.629062°)
STATE PLANE NAD 83 (N.M. EAST)
N: 458132.53' E: 758894.50'
STATE PLANE NAD 27 (N.M. EAST)
N: 458073.39' E: 717710.78'

NAD 83 (LPP 1)
LATITUDE = 32°16'06.38" (32.268438°)
LONGITUDE = -103°38'06.58" (-103.635161°)
NAD 27 (LPP 1)
LATITUDE = 32°16'05.93" (32.268315°)
LONGITUDE = -103°38'04.84" (-103.634679°)
STATE PLANE NAD 83 (N.M. EAST)
N: 462092.86' E: 757131.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 462033.60' E: 715948.37'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'15.11" (32.254197°)
LONGITUDE = -103°38'06.54" (-103.635151°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'14.66" (32.254073°)
LONGITUDE = -103°38'04.81" (-103.634670°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456911.92' E: 757168.72'
STATE PLANE NAD 27 (N.M. EAST)
N: 456852.80' E: 715984.97'

NAD 83 (LPP 2)
LATITUDE = 32°16'32.53" (32.275703°)
LONGITUDE = -103°38'06.60" (-103.635166°)
NAD 27 (LPP 2)
LATITUDE = 32°16'32.08" (32.275579°)
LONGITUDE = -103°38'04.86" (-103.634684°)
STATE PLANE NAD 83 (N.M. EAST)
N: 464735.57' E: 757113.24'
STATE PLANE NAD 27 (N.M. EAST)
N: 464676.23' E: 715929.69'

- = SURFACE HOLE LOCATION
- ◆ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
- = LAST TAKE POINT/BOTTOM HOLE LOCATION
- ◇ = LEASE PENETRATION POINT
- ▲ = SECTION CORNER LOCATED

NAD 83 (LTP/BHL)
LATITUDE = 32°16'57.69" (32.282693°)
LONGITUDE = -103°38'06.61" (-103.635171°)
NAD 27 (LTP/BHL)
LATITUDE = 32°16'57.25" (32.282569°)
LONGITUDE = -103°38'04.88" (-103.634688°)
STATE PLANE NAD 83 (N.M. EAST)
N: 467278.52' E: 757095.22'
STATE PLANE NAD 27 (N.M. EAST)
N: 467219.11' E: 715911.73'

1. Geological Formations

TVD of target 10,730

Pilot Hole TD N/A

MD at TD 21,014

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1238	N/A	
Top of Salt	1731	N/A	
Lamar	5036	N/A	
Bell Canyon	5087	Hydrocarbons	
Cherry Canyon	5940	Hydrocarbons	
Brushy Canyon	7318	N/A	
Basal Brushy Canyon	8633	N/A	
Bone Spring Lime	8850	N/A	
Avalon Shale	9465	Hydrocarbons	
1st Bone Spring Sand	10050	Hydrocarbons	
2nd Bone Spring Sand	10592	Hydrocarbons	
Upper 2nd Sand - Target	10730	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1320	1320	13-3/8"	48.00	H-40	ST&C	1.29	3.03	5.08
12 1/4	0	5130	5030	9-5/8"	40.00	HCK-55	LT&C	1.41	1.47	2.79
7 7/8	0	10363								
7 7/8	10363	21055	10730	5-1/2"	20.00	P-110	BT&C	2.21	2.46	87.33
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Cimarex Energy Co., Triste Draw 36-25 Federal Com 211H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	N
Is well within the designated 4 string boundary.	N
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	N
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	N
Is 2nd string set 100' to 600' below the base of salt?	N
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	N
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	N
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	N
Is AC Report included?	Y

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	640	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	171	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	968	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	292	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	596	10.80	2.35	9.60	17:43	Lead: Tuned Light I Class H
	2149	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4930	25

Cimarex request the ability to perform casing integrity tests after plug bump of cement job.

4. Pressure Control Equipment

A variance is requested for the use of a diverter on the surface casing. See attached for schematic.					
BOP installed and tested before drilling which hole?	Size	Min Required WP	Type		Tested To
12 1/4	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		
7 7/8	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or 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. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.				
X	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.				
N	Are anchors required by manufacturer?				

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1320'	Fresh Water	7.83 - 8.33	28	N/C
1320' to 5130'	Brine Water	9.80 - 10.30	30-32	N/C
5130' to 21055'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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6. Logging and Testing Procedures

Logging, Coring and Testing	
	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
X	No logs are planned based on well control or offset log information.
	Drill stem test?
	Coring?

Additional Logs Planned	Interval
-------------------------	----------

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	5021 psi
Abnormal Temperature	No

Hydrogen Sulfide (H₂S) monitors will be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

X	H ₂ S is present
X	H ₂ S plan is attached

8. Other Facets of Operation**9. Wellhead**

1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.
2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.

BOPE Additional Information & Testing

1. After running the first string of casing, a 10M BOP/BOPE system with 5M annular will be installed. BOPs will be tested according to Onshore Order #2. BOPE will be tested to full rated pressure (10K for all BOPE except the annular, which is tested to 5K). For the low test, the system will be tested to 250 psi.
2. All BOP equipment will be tested utilizing a conventional test plug.
3. A remote kill line is included in the BOPE system
4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.
5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Additional Well Control Notes

1. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.



COTERRA

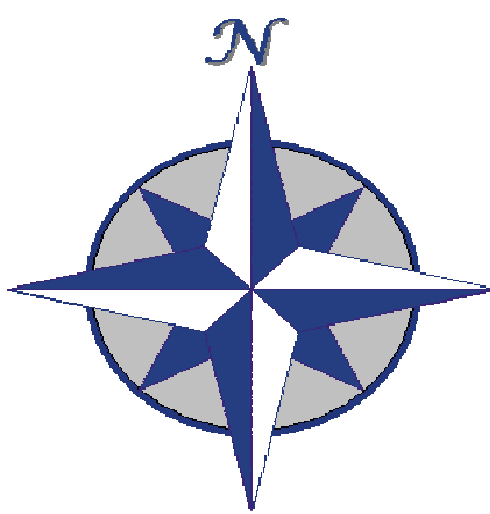
Rev0



Borehole:	Well:	Field:	Structure:
Triste Draw 36-25 Federal Com 211H	Triste Draw 36-25 Federal Com 211H	NM Lea County (NAD 83)	Coterra - Triste Draw 36-25 Federal Com Pad (west)

Gravity & Magnetic Parameters				Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	HDGM 2025	Dip:	59.746°	Date:	06-Oct-2025	Lat:	N 32 15 27.08	Northing:	458132.53ftUS	Grid Conv:	0.3756°	Slot:	211H	TVD Ref:	RKB (3686.900 ft above MSL)
MagDec:	6.08°	FS:	47198.444nT	Gravity FS:	998.437mgn (9.80665 Based)	Lon:	W 103 37 46.35	Easting:	758894.5ftUS	Scale Fact:	0.9999633	Plan:	Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25		

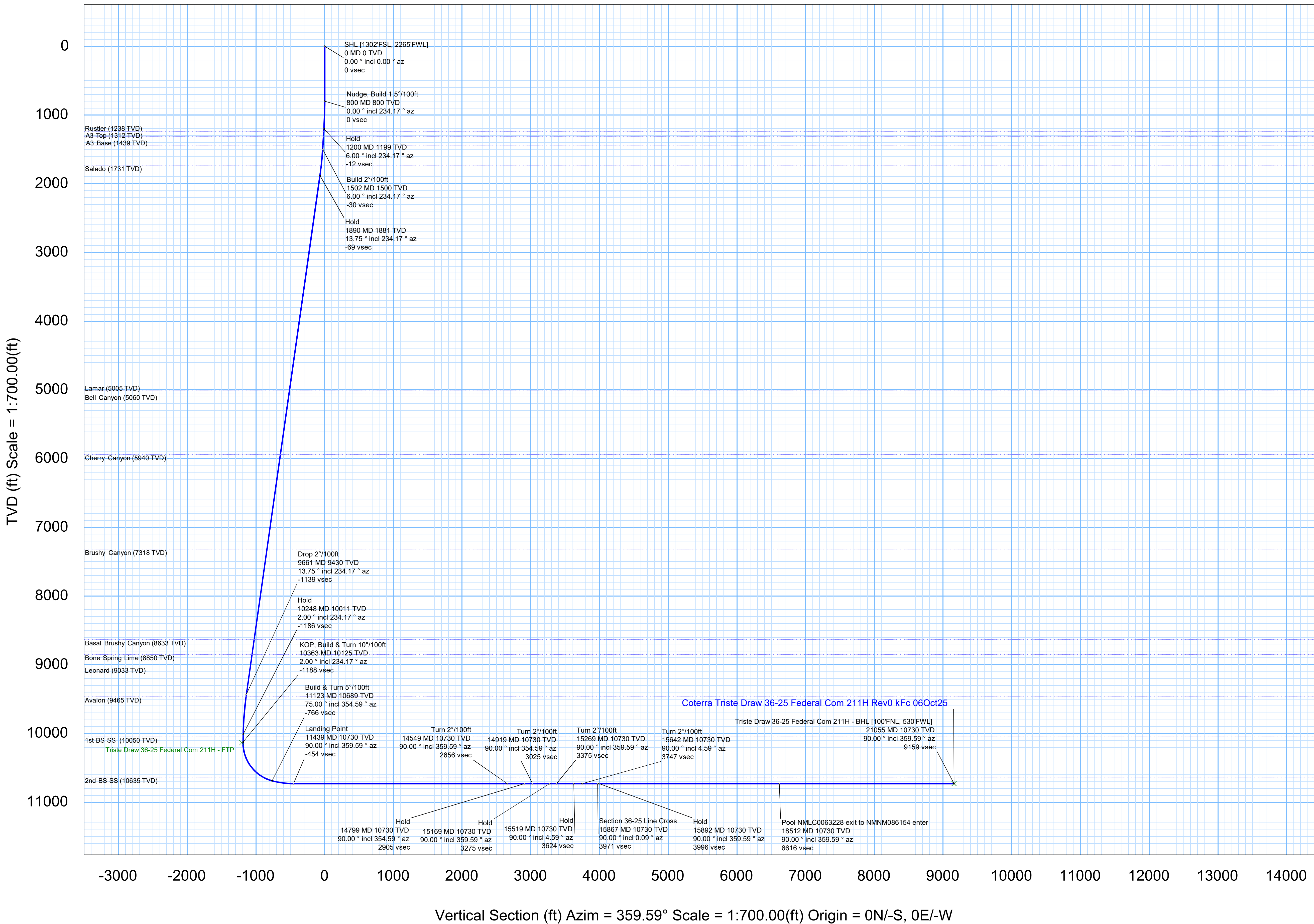
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
SHL [1302FSL, 2265FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge, Build 1.5°/100ft	800.00	0.00	234.17	800.00	0.00	0.00	0.00	0.00
Hold	1200.00	6.00	234.17	1199.27	-12.13	-12.25	-16.96	1.50
Rustler	1238.94	6.00	234.17	1238.00	-14.49	-14.63	-20.27	0.00
A3 Top	1313.35	6.00	234.17	1312.00	-18.99	-19.18	-26.57	0.00
A3 Base	1441.05	6.00	234.17	1439.00	-26.73	-27.00	-37.39	0.00
Build 2°/100ft	1502.39	6.00	234.17	1500.00	-30.45	-30.75	-42.59	0.00
Salado	1735.92	10.67	234.17	1731.00	-50.06	-50.56	-70.03	2.00
Hold	1889.75	13.75	234.17	1881.34	-68.91	-69.61	-96.40	2.00
Lamar	5105.54	13.75	234.17	5005.00	-511.82	-516.96	-715.98	0.00
Bell Canyon	5162.16	13.75	234.17	5060.00	-519.62	-524.83	-726.89	0.00
Cherry Canyon	6068.11	13.75	234.17	5940.00	-644.39	-650.86	-901.44	0.00
Brushy Canyon	7486.75	13.75	234.17	7318.00	-839.78	-848.21	-1174.77	0.00
Basal Brushy Canyon	8840.53	13.75	234.17	8633.00	-1026.23	-1036.53	-1435.60	0.00
Bone Spring Lime	9063.93	13.75	234.17	8850.00	-1057.00	-1067.61	-1478.64	0.00
Leonard	9252.33	13.75	234.17	9033.00	-1082.95	-1093.82	-1514.94	0.00
Drop 2°/100ft	9660.73	13.75	234.17	9429.70	-1139.20	-1150.63	-1593.62	0.00
Avalon	9697.01	13.02	234.17	9465.00	-1144.07	-1155.55	-1600.43	2.00
Hold	10248.09	2.00	234.17	10010.51	-1185.75	-1197.65	-1658.75	2.00
1st BS SS	10287.61	2.00	234.17	10050.00	-1186.55	-1198.46	-1659.86	0.00
KOP, Build & Turn 10°/100ft	10363.09	2.00	234.17	10125.44	-1188.08	-1200.00	-1662.00	0.00
2nd BS SS	10980.09	60.69	354.09	10635.00	-897.97	-910.17	-1702.43	10.00
Build & Turn 5°/100ft	11123.29	75.00	354.59	10688.87	-766.24	-778.53	-1715.45	10.00
Landing Point	11439.15	90.00	359.59	10730.00	-454.36	-468.76	-1731.08	5.00
Turn 2°/100ft	11539.15	90.00	359.59	10730.00	-354.36	-366.76	-1731.78	0.00
Hold	14549.15	90.00	359.59	10730.00	-2655.64	-2643.16	-1763.32	0.00
Turn 2°/100ft	14799.15	90.00	354.59	10730.00	2905.32	2892.76	-1766.01	2.00
Hold	14919.15	90.00	354.59	10730.00	3024.87	3012.23	-1777.32	0.00
Turn 2°/100ft	15169.15	90.00	359.59	10730.00	3274.55	3261.83	-1790.01	2.00
Hold	15269.15	90.00	359.59	10730.00	3374.55	3361.82	-1790.72	0.00
Turn 2°/100ft	15519.15	90.00	359.59	10730.00	3624.23	3611.58	-1781.61	2.00
Section 36-25 Line Cross	15642.15	90.00	4.59	10730.00	3746.77	3734.18	-1771.77	0.00
Hold	15867.00	90.00	0.09	10730.00	3971.30	3958.78	-1762.58	2.00
Pool NMLC0063228 exit to NNMN086154 enter	15892.02	90.00	359.59	10730.00	3996.31	3983.80	-1762.65	2.00
Triste Draw 36-25 Federal Com 211H - BHE	18512.00	90.00	359.59	10730.00	6616.29	6603.72	-1781.27	0.00
[100FNL, 530FWL]	21054.69	90.00	359.59	10730.00	9158.99	9146.34	-1799.35	0.00



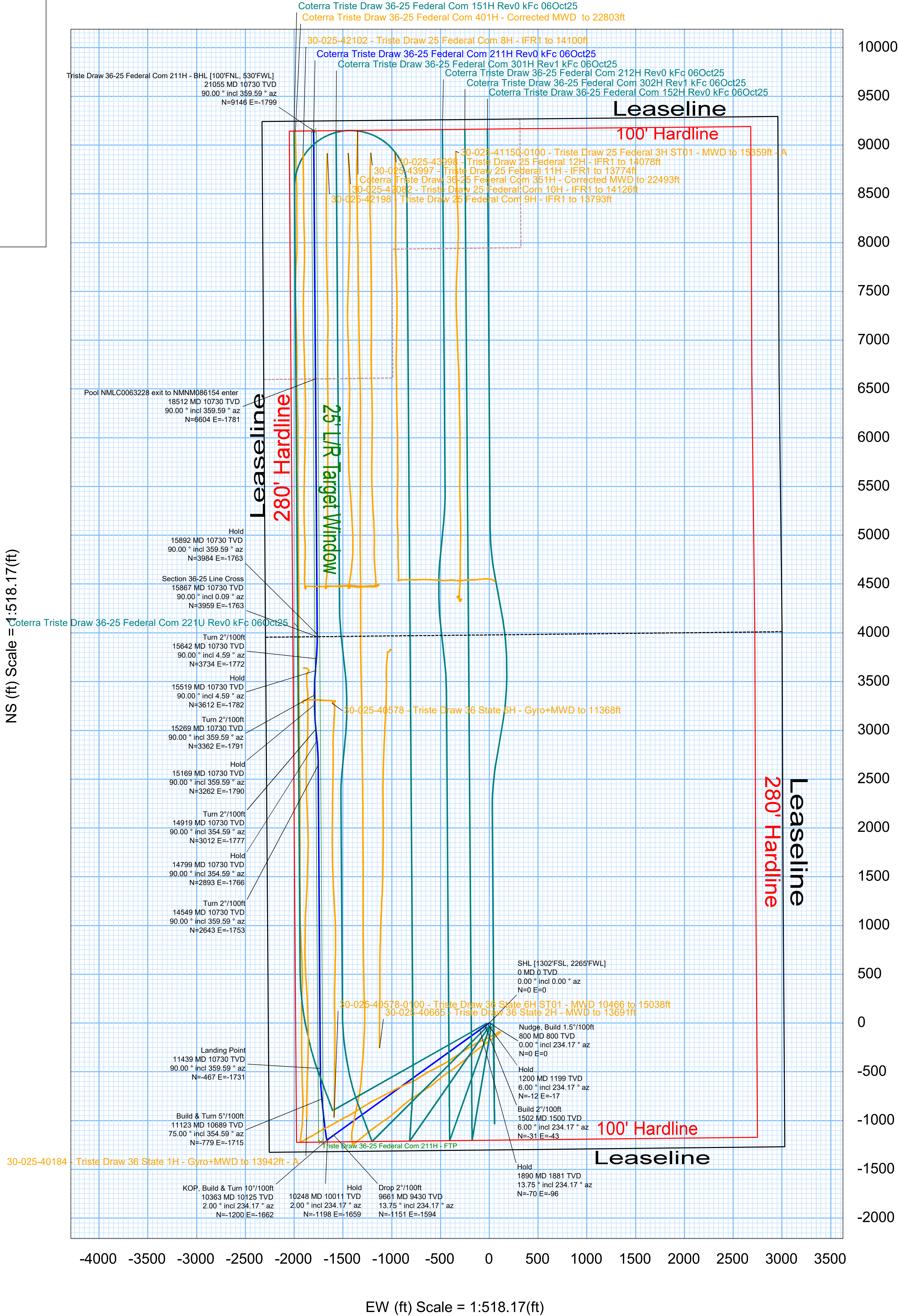
Grid
True
Mag

Grid North
Tot Corr (M->G 5.705°)
Mag Dec (6.080°)
Grid Conv (0.376°)

CONTROLLED	
Plan ref	Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25
Drawing ref	
Copy number	of 3
Date	07-Oct-2025
1 Client	
2 Client	
3 Office	
4 Office	
Copy number	for



NS (ft) Scale = 1:518.17(ft)





Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 Proposal
Geodetic Report

Def Plan

Report Date:	October 07, 2025 - 08:02 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTERRA	Vertical Section Datum:	369.990 (GRID North)
Field:	NM Lea County (HAD 83)	Vertical Section Origin:	0.000 ft, 0.000 R
Structure / Slot:	Coterra - Triste Draw 36-25 Federal Com Pad (west) / 211H	TVD Reference Datum:	RKB
Well:	Triste Draw 36-25 Federal Com 211H	TVD Reference Elevation:	3686.900 ft above MSL
Borehole:	Triste Draw 36-25 Federal Com 211H	Seabed / Ground Elevation:	3660.400 ft above MSL
UBH / API#:	Unknown / Unknown	Magnetic Declination:	6.080°
Survey Name:	Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25	Total Gravity Field Strength:	998.437mgn (9.80665 Based)
Survey Date:	October 07, 2025	Gravity Model:	GARM
Tort / AHD / DOI / ERD Ratio:	137.305 ° / 12403.792 ft / 6.524 / 1.156	Total Magnetic Field Strength:	47198.444 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	-3.003
Location Lat / Long:	32°15'27.07562"N, 103°37'46.35482"W	Declination Date:	October 06, 2025
Location Grid N/E Y/X:	N 458132.530 RUS, E 758894.500 RUS	Magnetic Declination Model:	HOGM 2025
CRS Grid Convergence Angle:	0.376°	North Reference:	Grid North
Grid Scale Factor:	0.9999633(Applied)	Grid Convergence Used:	0.376°
Version / Patch:	2025.1.0.1	Total Corr Mag North-Grid North:	5.705°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	
SHL [1302FSL, 2265FWL]	0.00	0.00	0.00	0.00	-3.686.90	0.00	0.00	0.00		458.132.53	758.894.50	32.25752101	-103.62954301	
	100.00	0.00	234.17	100.00	-3.586.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	200.00	0.00	234.17	200.00	-3.486.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	300.00	0.00	234.17	300.00	-3.386.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	400.00	0.00	234.17	400.00	-3.286.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	500.00	0.00	234.17	500.00	-3.186.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	600.00	0.00	234.17	600.00	-3.086.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	700.00	0.00	234.17	700.00	-2.986.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	800.00	0.00	234.17	800.00	-2.886.90	0.00	0.00	0.00	0.00	458.132.53	758.894.50	32.25752101	-103.62954301	
	900.00	1.50	234.17	899.99	-2.786.91	-0.76	-0.77	-1.06	1.50	458.131.76	758.893.44	32.25751892	-103.62954645	
Nudge, Build 1.5"/100ft	1,000.00	3.00	234.17	999.91	-2.686.99	-3.03	-3.06	-4.24	1.50	458.129.47	758.890.26	32.25751266	-103.62955680	
	1,100.00	4.50	234.17	1,099.69	-2.587.21	-6.82	-6.89	-9.55	1.50	458.125.64	758.884.95	32.25750223	-103.62957403	
Hold	1,200.00	6.00	234.17	1,199.27	-2.487.63	-12.13	-12.18	-16.96	1.50	458.120.28	758.877.54	32.25748764	-103.62959814	
	1,238.94	6.00	234.17	1,238.00	-2.448.90	-14.49	-14.63	-20.27	0.00	458.117.90	758.874.24	32.25748115	-103.62960887	
A3 Top	1,300.00	6.00	234.17	1,298.72	-2.388.18	-18.19	-18.37	-25.44	0.00	458.114.16	758.869.06	32.25747098	-103.62962568	
	1,313.35	6.00	234.17	1,312.00	-2.374.90	-18.99	-19.18	-26.57	0.00	458.113.35	758.867.93	32.25746875	-103.62962936	
A3 Base	1,400.00	6.00	234.17	1,398.17	-2.288.73	-24.24	-24.49	-33.91	0.00	458.108.04	758.860.59	32.25745431	-103.62965323	
	1,441.05	6.00	234.17	1,439.00	-2.247.90	-26.73	-27.00	-37.39	0.00	458.105.53	758.857.11	32.25744747	-103.62966453	
Build 2"/100ft	1,500.00	6.00	234.17	1,497.63	-2.189.27	-30.30	-30.61	-42.39	0.00	458.101.93	758.852.11	32.25743765	-103.62968077	
	1,502.39	6.00	234.17	1,500.00	-2.186.90	-30.45	-30.75	-42.59	0.00	458.101.78	758.851.91	32.25743725	-103.62968143	
Salado	1,600.00	7.95	234.17	1,596.89	-2.090.01	-37.32	-37.69	-52.20	2.00	458.094.84	758.842.30	32.25741835	-103.62971266	
	1,700.00	9.95	234.17	1,695.66	-1.991.24	-46.34	-46.80	-64.82	2.00	458.085.73	758.829.68	32.25739354	-103.62975366	
Hold	1,735.92	10.67	234.17	1,731.00	-1.955.90	-50.06	-50.56	-70.03	2.00	458.081.97	758.824.47	32.25738329	-103.62977060	
	1,800.00	11.95	234.17	1,793.84	-1.893.06	-57.35	-57.92	-80.22	2.00	458.074.61	758.814.28	32.25736325	-103.62980732	
	1,889.75	13.75	234.17	1,881.34	-1.805.56	-68.91	-69.61	-96.40	2.00	458.062.93	758.798.10	32.25733143	-103.62985651	
	1,900.00	13.75	234.17	1,891.29	-1.795.61	-70.33	-71.03	-98.38	0.00	458.061.50	758.796.13	32.25732754	-103.62986273	
	2,000.00	13.75	234.17	1,988.43	-1.698.47	-84.10	-84.94	-117.65	0.00	458.047.59	758.776.86	32.25728966	-103.62992535	
	2,100.00	13.75	234.17	2,085.56	-1.601.34	-97.87	-98.85	-136.91	0.00	458.033.68	758.757.59	32.25725177	-103.62998796	
	2,200.00	13.75	234.17	2,182.70	-1.504.20	-111.64	-112.76	-156.18	0.00	458.019.77	758.738.33	32.25721388	-103.63005058	
	2,300.00	13.75	234.17	2,279.83	-1.407.07	-125.42	-126.68	-175.45	0.00	458.005.86	758.719.06	32.25717599	-103.63011319	
	2,400.00	13.75	234.17	2,376.97	-1.309.93	-139.19	-140.59	-194.71	0.00	457.991.95	758.699.80	32.25713810	-103.63017581	
	2,500.00	13.75	234.17	2,474.10	-1.212.80	-152.96	-154.50	-213.98	0.00	457.978.04	758.680.53	32.25710021	-103.63023842	
	2,600.00	13.75	234.17	2,571.24	-1.115.66	-166.74	-168.41	-233.25	0.00	457.964.13	758.661.26	32.25706232	-103.63030104	
	2,700.00	13.75	234.17	2,668.37	-1.018.53	-180.51	-182.32	-252.51	0.00	457.950.22	758.642.00	32.25702443	-103.63036365	
	2,800.00	13.75	234.17	2,765.51	-921.39	-194.28	-196.23	-271.78	0.00	457.936.31	758.622.73	32.25698654	-103.63042627	
	2,900.00	13.75	234.17	2,862.64	-824.26	-208.05	-210.14	-291.05	0.00	457.922.40	758.603.46	32.25694866	-103.63048889	
	3,000.00	13.75	234.17	2,959.78	-727.12	-221.83	-224.05	-310.31	0.00	457.908.49	758.584.20	32.25691077	-103.63055105	
	3,100.00	13.75	234.17	3,056.91	-629.99	-235.60	-237.96	-329.58	0.00	457.894.58	758.564.93	32.25687288	-103.63061412	
	3,200.00	13.75	234.17	3,154.05	-532.85	-249.37	-251.88	-348.85	0.00	457.880.66	758.545.67	32.25683499	-103.63067673	
	3,300.00	13.75	234.17	3,251.19	-435.71	-263.15	-265.79	-368.11	0.00	457.866.75	758.526.40	32.25679710	-103.63073935	
	3,400.00	13.75	234.17	3,348.32	-338.58	-276.92	-279.70	-387.38	0.00	457.852.84	758.507.13	32.25675921	-103.63080196	
	3,500.00	13.75	234.17	3,445.46	-241.44	-290.69	-293.61	-406.65	0.00	457.838.93	758.487.87	32.25672132	-103.63086458	
	3,600.00	13.75	234.17	3,542.59	-144.31	-304.46	-307.52	-425.91	0.00	457.825.02	758.468.60	32.25668343	-103.63092719	
	3,700.00	13.75	234.17	3,639.73	-47.17	-318.24	-321.43	-445.18	0.00	457.811.11	758.449.34	32.25664554	-103.63098981	
	3,800.00	13.75	234.17	3,736.86	49.96	-332.01	-335.34	-464.45	0.00	457.797.20	758.430.07	32.25660765	-103.63105242	
	3,900.00	13.75	234.17	3,834.00	147.10	-345.78	-349.25	-483.71	0.00	457.783.29	758.410.80	32.25656977	-103.63111504	
	4,000.00	13.75	234.17	3,931.13	244.23	-359.56	-363.16	-502.98	0.00	457.769.38	758.391.54	32.25653188	-103.63117765	
	4,100.00	13.75	234.17	4,028.27	341.37	-373.33	-377.07	-522.25	0.00	457.755.47	758.372.27	32.25649399	-103.63124027	
	4,200.00	13.75	234.17	4,125.40	438.50	-387.10	-390.99	-541.52	0.00	457.741.56	758.353.01	32.25645610	-103.63130288	
	4,300.00	13.75	234.17	4,222.54	535.64	-400.87	-404.90	-560.78	0.00	457.727.65	758.333.74	32.25641821	-103.63136550	
	4,400.00	13.75	234.17	4,319.67	632.77	-414.65	-418.81	-580.05	0.00	457.713.74	758.314.47	32.25638032	-103.63142811	
	4,500.00	13.75	234.17	4,416.81	729.91	-428.42	-432.72	-599.32	0.00	457.699.83	758.295.21	32.25634243	-103.63149073	
	4,600.00	13.75	234.17	4,513.94	827.04	-442.19	-446.63	-618.58	0.00	457.685.92	758.275.94	32.25630454	-103.63155334	
	4,700.00	13.75	234.17	4,611.08	924.18	-455.96	-460.51	-637.85	0.00	457.672.01	758.256.68	32.25626665	-103.63161595	
	4,800.00	13.75	234.17	4,708.22	1,021.32	-469.74	-474.45	-657.12	0.00	457.658.10	758.237.41	32.25622876	-103.63167857	
	4,900.00	13.75	234.17	4,805.35	1,118.45	-483.51	-488.36	-676.38	0.00	457.644.19	758.218.14	32.25619087	-103.63174118	
	5,000.00	13.75	234.17	4,902.49	1,215.59	-497.28	-502.27	-695.65	0.00	457.630.28	758.198.88	32.25615298	-103.63180380	
	5,100.00	13.75	234.17	4,999.62	1,312.72	-511.06	-516.19	-714.92	0.00	457.616.36	758.179.61	32.25611509	-103.63186641	
	5,105.54	13.75	234.17	5,005.00	1,318.10	-511.82	-516.96	-715.98	0.00	457.615.59	758.178.54	32.25611299	-103.63186988	
	5,162.16	13.75	234.17	5,060.00	1,373.10	-519.62	-524.83	-726.89	0.00	457.607.72	758.167.64	32.25608915	-103.63190533	
	5,200.00	13.75	234.17	5,096.76	1,409.86	-524.83	-530.10	-734.18	0.00	457.602.65	758.160.34	32.25607720	-103.63192903	
	5,300.00	13.75	234.17	5,193.89	1,506.99	-538.60	-544.01	-753.45	0.00	457.588.54	758.141.08	32.25603931	-103.63199164	
	5,400.00	13.75	234.17	5,291.03	1,604.13	-552.33	-557.32	-774.52	0.00	457.574.62	758.121.81	32.25600132	-103.63205411	
	5,500.00	13.75	234.17	5,388.16	1,701.26	-566.15	-571.83	-791.58	0.00	457.560.72	758.102.55	32.25596353	-103.63211687	
	5,600.00	13.75	234.17	5,485.30	1,798.40	-579.92	-585.74	-811.25	0.00	457.546.81	758.083.28	32.25592564	-103.63217948	
	5,700.00	13.75	234.17	5,582.43	1,895.53	-593.69	-599.65	-830.52	0.00	457.532.90	758.064.01	32.25588775	-103.63224210	
	5,800.00	13.75	234.17	5,679.57	1,992.67	-607.47	-613.56	-849.78	0.00	457.518.99	758.044.75	32.25584986	-103.63230471	
	5,900.00	13.75	234.17	5,776.70	2,089.80	-621.24	-627.47	-869.05	0.00	457.505.08	758.025.48	32.25581197	-103.63236732	
	Cherry Canyon	6,000.00	13.75	234.17	5,873.84	2,186.94	-635.01	-641.39	-888.32	0.00	457.491.17	758.006.22	32.25577408	-103.63242994
		6,098.11	13.75	234.17	5,940.00	2,253.03	-644.39	-650.14	-908.19	0.00	457.481.04	757.993.09	32.25573759	-103.63249259
		6,100.00	13.75	234.17	5,970.97	2,284.07	-648.78	-655.30	-907.59	0.00	457.477.26	757.986.95	32.25573619	-103.63249557
		6,200.00	13.75	234.17	6,068.11	2,381.21	-662.56	-669.21	-926.85	0.00	457.463.35	757.967.68	32.25569830	

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
Bone Spring Line	9,063.93	13.75	234.17	8,850.00	5,163.10	-1,057.00	-1,067.61	-1,478.64	0.00	457,064.96	757,415.92	32.25461315	-103.63434836
	9,100.00	13.75	234.17	8,885.03	5,198.13	-1,061.97	-1,072.63	-1,485.59	0.00	457,059.94	757,408.97	32.25454994	-103.63437094
	9,200.00	13.75	234.17	8,982.17	5,295.27	-1,075.74	-1,086.54	-1,504.86	0.00	457,046.03	757,389.70	32.25456159	-103.63443355
Leonard	9,252.33	13.75	234.17	9,033.00	5,346.10	-1,082.95	-1,093.82	-1,514.94	0.00	457,038.75	757,379.62	32.25454176	-103.63446632
	9,300.00	13.75	234.17	9,079.31	5,392.41	-1,089.52	-1,100.45	-1,524.12	0.00	457,032.12	757,370.44	32.25452370	-103.63449616
	9,400.00	13.75	234.17	9,176.44	5,489.54	-1,103.29	-1,114.36	-1,543.39	0.00	457,018.21	757,351.17	32.25448581	-103.63455978
	9,500.00	13.75	234.17	9,273.58	5,586.68	-1,117.06	-1,128.17	-1,562.66	0.00	457,004.30	757,331.90	32.25444792	-103.63462139
	9,600.00	13.75	234.17	9,370.71	5,683.81	-1,130.83	-1,142.18	-1,581.92	0.00	456,990.39	757,312.64	32.25441003	-103.63468400
Drop 2"/100ft	9,660.73	13.75	234.17	9,429.70	5,742.80	-1,139.20	-1,150.63	-1,593.62	0.00	456,981.94	757,300.94	32.25438701	-103.63472202
Avalon	9,697.01	13.02	234.17	9,465.00	5,778.10	-1,144.07	-1,155.55	-1,600.43	2.00	456,977.03	757,294.13	32.25437362	-103.63474415
	9,700.00	12.96	234.17	9,467.91	5,781.01	-1,144.46	-1,155.94	-1,600.98	2.00	456,976.63	757,293.58	32.25437255	-103.63474592
	9,800.00	10.96	234.17	9,565.73	5,878.83	-1,156.47	-1,168.07	-1,617.78	2.00	456,964.50	757,276.78	32.25433951	-103.63480053
	9,900.00	8.96	234.17	9,664.22	5,977.32	-1,166.49	-1,178.20	-1,631.81	2.00	456,954.38	757,262.76	32.25431192	-103.63484610
	10,000.00	6.96	234.17	9,763.25	6,076.35	-1,174.52	-1,186.31	-1,643.04	2.00	456,946.27	757,251.53	32.25429984	-103.63486260
	10,100.00	4.96	234.17	9,862.71	6,175.81	-1,180.54	-1,192.38	-1,651.46	2.00	456,940.19	757,243.11	32.25427328	-103.63490996
	10,200.00	2.96	234.17	9,962.46	6,275.56	-1,184.54	-1,196.43	-1,657.06	2.00	456,936.14	757,237.51	32.25426226	-103.63492817
Hold	10,248.29	2.00	234.17	10,010.51	6,323.61	-1,185.75	-1,197.65	-1,658.75	2.00	456,934.93	757,235.82	32.25425894	-103.63493365
1st BS SS	10,287.61	2.00	234.17	10,050.00	6,363.10	-1,186.55	-1,198.46	-1,659.86	0.00	456,934.12	757,234.70	32.25425674	-103.63493728
	10,300.00	2.00	234.17	10,062.38	6,375.48	-1,186.80	-1,198.71	-1,660.21	0.00	456,933.87	757,234.35	32.25425605	-103.63493842
KOP, Build & Turn 10"/100ft	10,363.09	2.00	234.17	10,125.44	6,438.54	-1,188.08	-1,200.00	-1,662.00	0.00	456,932.58	757,232.56	32.25425254	-103.63494223
	10,400.00	3.17	232.28	10,162.32	6,475.42	-1,187.64	-1,199.57	-1,663.15	10.00	456,933.01	757,231.42	32.25425375	-103.63494792
	10,500.00	72.78	347.46	10,261.26	6,574.36	-1,174.59	-1,186.68	-1,667.22	10.00	456,946.02	757,227.31	32.25428959	-103.63501245
	10,600.00	22.73	350.95	10,356.38	6,669.48	-1,144.61	-1,156.61	-1,672.71	10.00	456,975.97	757,221.86	32.25437200	-103.63497794
	10,700.00	32.70	352.37	10,444.79	6,757.89	-1,098.60	-1,110.64	-1,679.35	10.00	457,021.93	757,215.22	32.25449846	-103.63499845
	10,800.00	42.69	353.19	10,523.82	6,836.92	-1,037.95	-1,050.05	-1,686.97	10.00	457,082.52	757,207.59	32.25466515	-103.63502184
	10,900.00	52.68	353.74	10,591.05	6,904.15	-964.51	-976.67	-1,695.35	10.00	457,155.90	757,199.22	32.25486698	-103.63504739
2nd BS SS	10,980.09	60.69	354.09	10,635.00	6,948.10	-897.97	-910.17	-1,702.43	10.00	457,222.39	757,192.14	32.25504988	-103.63506890
	11,000.00	62.68	354.16	10,644.45	6,957.55	-880.52	-892.74	-1,704.22	10.00	457,239.83	757,190.34	32.25509784	-103.63507434
	11,100.00	54.67	354.67	10,683.38	6,995.48	-808.38	-820.57	-1,717.22	10.00	457,311.70	757,181.24	32.25535070	-103.63512918
Build & Turn 5"/100ft	11,123.29	75.00	354.59	10,688.87	7,001.97	-766.24	-778.53	-1,715.45	10.00	457,354.03	757,179.11	32.25541194	-103.63510825
	11,200.00	78.64	355.84	10,706.36	7,019.46	-691.78	-704.12	-1,721.67	5.00	457,428.44	757,172.89	32.25561659	-103.63512681
	11,300.00	83.39	357.43	10,721.98	7,035.08	-593.17	-605.55	-1,727.46	5.00	457,527.01	757,167.11	32.25588762	-103.63514345
	11,400.00	88.14	358.98	10,729.37	7,042.47	-493.50	-505.90	-1,730.58	5.00	457,626.65	757,163.99	32.25616156	-103.63515144
Landing Point	11,439.15	90.00	359.59	10,730.00	7,043.10	-454.36	-466.76	-1,731.06	5.00	457,665.79	757,163.50	32.25626916	-103.63515219
	11,500.00	90.00	359.59	10,730.00	7,043.10	-393.51	-405.91	-1,731.50	0.00	457,726.63	757,163.07	32.25643640	-103.63515232
	11,539.15	90.00	359.59	10,730.00	7,043.10	-354.36	-366.76	-1,732.22	0.00	457,765.78	757,162.79	32.25654402	-103.63515247
	11,600.00	90.00	359.59	10,730.00	7,043.10	-293.51	-305.91	-1,732.21	0.00	457,826.63	757,162.35	32.25671127	-103.63515253
	11,700.00	90.00	359.59	10,730.00	7,043.10	-193.51	-205.92	-1,732.93	0.00	457,926.62	757,161.64	32.25698613	-103.63515274
	11,800.00	90.00	359.59	10,730.00	7,043.10	-93.51	-105.92	-1,733.65	0.00	458,026.61	757,160.92	32.25726099	-103.63515295
	11,900.00	90.00	359.59	10,730.00	7,043.10	6.49	-5.92	-1,734.36	0.00	458,126.61	757,160.21	32.25753586	-103.63515316
	12,000.00	90.00	359.59	10,730.00	7,043.10	106.49	94.08	-1,735.08	0.00	458,226.60	757,159.49	32.25781072	-103.63515337
	12,100.00	90.00	359.59	10,730.00	7,043.10	206.49	194.07	-1,735.79	0.00	458,326.59	757,158.77	32.25805989	-103.63515358
	12,200.00	90.00	359.59	10,730.00	7,043.10	306.49	294.07	-1,736.51	0.00	458,426.59	757,158.06	32.25830945	-103.63515379
	12,300.00	90.00	359.59	10,730.00	7,043.10	406.49	394.07	-1,737.22	0.00	458,526.58	757,157.34	32.25856351	-103.63515400
	12,400.00	90.00	359.59	10,730.00	7,043.10	506.49	494.06	-1,737.94	0.00	458,626.58	757,156.63	32.25891018	-103.63515421
	12,500.00	90.00	359.59	10,730.00	7,043.10	606.49	594.06	-1,738.65	0.00	458,726.57	757,155.91	32.25918504	-103.63515442
	12,600.00	90.00	359.59	10,730.00	7,043.10	706.49	694.06	-1,739.37	0.00	458,826.56	757,155.20	32.25945990	-103.63515464
	12,700.00	90.00	359.59	10,730.00	7,043.10	806.49	794.06	-1,740.09	0.00	458,926.56	757,154.48	32.25973477	-103.63515485
	12,800.00	90.00	359.59	10,730.00	7,043.10	906.49	894.05	-1,740.80	0.00	459,026.55	757,153.77	32.26000963	-103.63515506
	12,900.00	90.00	359.59	10,730.00	7,043.10	1,006.49	994.05	-1,741.52	0.00	459,126.54	757,153.05	32.26028450	-103.63515527
	13,000.00	90.00	359.59	10,730.00	7,043.10	1,106.49	1,094.05	-1,742.23	0.00	459,226.54	757,152.33	32.26055936	-103.63515548
	13,100.00	90.00	359.59	10,730.00	7,043.10	1,206.49	1,194.05	-1,742.95	0.00	459,326.53	757,151.62	32.26083422	-103.63515569
	13,200.00	90.00	359.59	10,730.00	7,043.10	1,306.49	1,294.04	-1,743.66	0.00	459,426.52	757,150.90	32.26110909	-103.63515590
	13,300.00	90.00	359.59	10,730.00	7,043.10	1,406.49	1,394.04	-1,744.38	0.00	459,526.52	757,150.19	32.26138395	-103.63515611
	13,400.00	90.00	359.59	10,730.00	7,043.10	1,506.49	1,494.04	-1,745.09	0.00	459,626.51	757,149.47	32.26165881	-103.63515632
	13,500.00	90.00	359.59	10,730.00	7,043.10	1,606.49	1,594.04	-1,745.81	0.00	459,726.50	757,148.76	32.26193368	-103.63515653
	13,600.00	90.00	359.59	10,730.00	7,043.10	1,706.49	1,694.04	-1,746.53	0.00	459,826.50	757,148.04	32.26220854	-103.63515674
	13,700.00	90.00	359.59	10,730.00	7,043.10	1,806.49	1,794.03	-1,747.24	0.00	459,926.49	757,147.33	32.26248341	-103.63515695
	13,800.00	90.00	359.59	10,730.00	7,043.10	1,906.49	1,894.03	-1,747.96	0.00	460,026.49	757,146.61	32.26275827	-103.63515716
	13,900.00	90.00	359.59	10,730.00	7,043.10	2,006.49	1,994.03	-1,748.67	0.00	460,126.48	757,145.90	32.26303313	-103.63515737
	14,000.00	90.00	359.59	10,730.00	7,043.10	2,106.49	2,094.02	-1,749.39	0.00	460,226.47	757,145.18	32.26330800	-103.63515758
	14,100.00	90.00	359.59	10,730.00	7,043.10	2,206.49	2,194.02	-1,750.10	0.00	460,326.47	757,144.46	32.26358286	-103.63515779
	14,200.00	90.00	359.59	10,730.00	7,043.10	2,306.49	2,294.02	-1,750.82	0.00	460,426.46	757,143.75	32.26385772	-103.63515801
	14,300.00	90.00	359.59	10,730.00	7,043.10	2,406.49	2,394.02	-1,751.53	0.00	460,526.45	757,143.03	32.26413259	-103.63515822
	14,400.00	90.00	359.59	10,730.00	7,043.10	2,506.49	2,494.01	-1,752.25	0.00	460,626.45	757,142.32	32.26440745	-103.63515843
	14,500.00	90.00	359.59	10,730.00	7,043.10	2,606.49	2,594.01	-1,752.97	0.00	460,726.44	757,141.60	32.26468231	-103.63515864
Turn 2"/100ft	14,549.15	90.00	359.59	10,730.00	7,043.10	2,655.64	2,643.16						

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
	19,900.00	90.00	359.59	10,730.00	7,043.10	8,004.29	7,991.68	-1,791.14	0.00	466,123.90	757,103.43	32.27951890	-103.63516852
	20,000.00	90.00	359.59	10,730.00	7,043.10	8,104.29	8,091.68	-1,791.85	0.00	466,223.90	757,102.72	32.27979376	-103.63516871
	20,100.00	90.00	359.59	10,730.00	7,043.10	8,204.29	8,191.68	-1,792.56	0.00	466,323.89	757,102.01	32.28006863	-103.63516891
	20,200.00	90.00	359.59	10,730.00	7,043.10	8,304.29	8,291.67	-1,793.27	0.00	466,423.88	757,101.30	32.28034349	-103.63516910
	20,300.00	90.00	359.59	10,730.00	7,043.10	8,404.29	8,391.67	-1,793.98	0.00	466,523.88	757,100.58	32.28061835	-103.63516930
	20,400.00	90.00	359.59	10,730.00	7,043.10	8,504.29	8,491.67	-1,794.70	0.00	466,623.87	757,099.87	32.28089322	-103.63516949
	20,500.00	90.00	359.59	10,730.00	7,043.10	8,604.29	8,591.67	-1,795.41	0.00	466,723.86	757,099.16	32.28116808	-103.63516969
	20,600.00	90.00	359.59	10,730.00	7,043.10	8,704.29	8,691.66	-1,796.12	0.00	466,823.86	757,098.45	32.28144294	-103.63516988
	20,700.00	90.00	359.59	10,730.00	7,043.10	8,804.29	8,791.66	-1,796.83	0.00	466,923.85	757,097.74	32.28171780	-103.63517007
	20,800.00	90.00	359.59	10,730.00	7,043.10	8,904.29	8,891.66	-1,797.54	0.00	467,023.85	757,097.03	32.28199267	-103.63517027
	20,900.00	90.00	359.59	10,730.00	7,043.10	9,004.29	8,991.66	-1,798.25	0.00	467,123.84	757,096.32	32.28226753	-103.63517046
	21,000.00	90.00	359.59	10,730.00	7,043.10	9,104.29	9,091.65	-1,798.96	0.00	467,223.83	757,095.61	32.28254239	-103.63517066
Triste Draw 36-25 Federal Com 2	21,054.69	90.00	359.59	10,730.00	7,043.10	9,158.99	9,146.34	-1,799.35	0.00	467,278.52	757,095.22	32.28269272	-103.63517076

Survey Type: Def Plan

Survey Error Model: ISOWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300.000	1/100.000 ' .5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 211H / Coterra Tris
	1	10,300.000	21,054.691	1/100.000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 211H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,381.900	17.500	13.375	
4,991.900	12.250	9.625	
12,521.900	8.750	7.000	
21,054.691	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 Propos
Geodetic Report

Report Date:	October 07, 2025 - 08:02 PM (UTC D)
Location:	COTERRA
Trails / Block:	MI Lake County (NAD 83)
Trails:	Coterra - Trails Data 36-26 Coterra Field PA (swid) / 211H
Block:	Trails Data 36-26 Coterra Field PA (swid) / 211H
Blockside:	Trails Data 36-26 Coterra Field PA (swid) / 211H
Latitude / Altitude:	Unknown / Unknown
Survey Name:	Coterra Trails Data 36-26 Coterra Field PA (swid) / 211H
Survey Date:	October 07, 2025
Trail / Area / SRS / SRS Ratio:	137.561° / 12463.702 N / 6.524 E
Location Lat / Long:	NAD83 Near Mexican State Line, Eastern, Zone 18, UTM
Location Lat / Long:	32°12'07.050"N, 103°17'46.354"W
Location Lat / Long:	4.461113333 N, 6.524 E
CRS Grid Convergence Angle:	0.0°
Grid Scale Factor:	0.999963(Approx)
Vertical / Patch:	2025. 1.1

Survey / DLS Computation:	Minimum Curvature / Labachi
Vertical Section Azimuth:	359.590 °(GRID North)
Vertical Section Origin:	0.000 / 0.000 ft
TYO Reference Datum:	RM
TYO Reference Elevation:	3698.900 ft above MSL
Sealed / Ground Elevation:	3692.000 ft above MSL
Magnetic Declination:	6.680°
Total Gravity Field Strength:	998.437mgm (9.80665 Base)
Gravity Model:	GARM
Total Magnetic Field Strength:	47108.444 cT
Magnetic Dip Angle:	55.748°
Declination Date:	October 06, 2025
Magnetic Declination Model:	HCOM 2015
North Reference:	Grid North
Grid Convergence Used:	0.376°
Total Cor Mag North-Grid North:	5.795°
Local Cord Referenced To:	Weld Head

[illegible]

Survey Type:		Dof Plan								
Survey Error Model:		ISO15848 Rev 4 *** 3-D: 95 % Confidence 2.7955 sigma								
Survey Program:										
Description	Part	MD From (in)	MD To (in)	EOU Freq (Hz)	Hole Size (in)	Casting Diameter (in)	Expected Max Inclusion (mm)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300,000	1/100,000	1.5 – 12.25 – 8.75	3.375 – 9.625 – 7		A001Mlb MWD		Tristate Draw 36-29 Federal Com 21 HH / Columbia Trt
	1	10,300,000	21,054,691	1/100,000	8.75 – 6	7 – 4.5		A008Mlb MWD+HFR+MS		Tristate Draw 36-25 Federal Com 21 HH / Columbia Trt

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	AHD (ft)	NS (ft)	EW (ft)	DeltaMD (ft)	DeltaTVD (ft)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)	GTF (°)	MTF (°)	TF (°)	Northing (ftUS)	Easting (ftUS)	Latitude (° ° '")	Longitude (° ° '")	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)	Directional Difficulty Index	Tortuosity (°)	END Ratio	Exclusion Zone Alert	GeoMag Tr (ft)	Exclusion Zone Angle (°)	Exclusion Zone Tolerance (ft)	Alert Zone Tolerance (ft)					
EOG Geometry:																																						
	End MD (ft)		Hole Size (in)		Casing Size (in)		Name																															
			17.500		13.375																																	
			12.250		9.625																																	
			7.000		7.000																																	
			4.500		4.500																																	



Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 Proposal
Geodetic Report

Def Plan

Report Date:	October 07, 2025 - 08:00 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTERRA	Vertical Section Azimuth:	359.590 °(GRID North)
Field:	NW Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Coterra - Triste Draw 36-25 Federal Com Pad (west) / 211H	TVD Reference Datum:	RKB
Well:	Triste Draw 36-25 Federal Com 211H	TVD Reference Elevation:	3686.900 ft above MSL
Borehole:	Triste Draw 36-25 Federal Com 211H	Seabed / Ground Elevation:	3660.400 ft above MSL
UBH / APH:	Unknown / Unknown	Magnetic Declination:	6.080°
Survey Name:	Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25	Total Gravity Field Strength:	998.437mgn (9.80665 Based)
Survey Date:	October 05, 2025	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	137.305 ° / 12403.792 ft / 6.524 / 1.156	Total Magnetic Field Strength:	47198.444 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.746°
Location Lat / Long:	32°15'27.07562"N, 103°37'46.35482"W	Declination Date:	October 06, 2025
Location Grid N/E Y/X:	N 458132.530 RUS, E 758894.500 RUS	Magnetic Declination Model:	HDMG 2025
CRS Grid Convergence Angle:	0.376°	North Reference:	Grid North
Grid Scale Factor:	0.9999633(Applied)	Grid Convergence Used:	0.376°
Version / Patch:	2025.1.0.1	Total Corr Mag North->Grid North:	5.705°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
SHL [1302FSL, 2265FWL]	0.00	0.00	0.00	0.00	-3,686.90	0.00	0.00	0.00	0.00	458,132.53	758,894.50	32.25752101	-103.62954301
Nudge, Build 1.5'/100ft	800.00	0.00	234.17	800.00	-2,886.90	0.00	0.00	0.00	0.00	458,132.53	758,894.50	32.25752101	-103.62954301
Hold	1,200.00	6.00	234.17	1,199.27	-2,487.63	-12.13	-12.25	-16.96	1.50	458,120.28	758,877.54	32.25748764	-103.62959814
Build 2'/100ft	1,502.39	6.00	234.17	1,500.00	-2,186.90	-30.45	-30.75	-42.59	0.00	458,101.78	758,851.91	32.25743725	-103.62968143
Hold	1,889.75	13.75	234.17	1,881.34	-1,805.56	-68.91	-69.61	-96.40	2.00	458,062.93	758,798.10	32.25733143	-103.62985631
Drop 2'/100ft	9,660.73	13.75	234.17	9,429.70	5,742.80	-1,139.20	-1,150.63	-1,593.62	0.00	456,981.94	757,300.94	32.25438701	-103.63472202
Hold	10,248.09	2.00	234.17	10,010.51	6,323.61	-1,185.75	-1,197.65	-1,658.75	2.00	456,934.93	757,235.82	32.25425894	-103.63493365
KOP, Build & Turn 10'/100ft	10,363.09	2.00	234.17	10,125.44	6,438.54	-1,188.08	-1,200.00	-1,662.00	0.00	456,932.58	757,232.56	32.25425254	-103.63494423
Build & Turn 5'/100ft	11,123.29	75.00	354.59	10,688.87	7,001.97	-766.24	-778.53	-1,715.45	10.00	457,354.03	757,179.11	32.25541194	-103.63510825
Landing Point	11,439.15	90.00	359.59	10,730.00	7,043.10	-454.36	-466.76	-1,731.06	5.00	457,665.79	757,163.50	32.25626916	-103.63515219
Turn 2'/100ft	11,539.15	90.00	359.59	10,730.00	7,043.10	-354.36	-366.76	-1,731.78	0.00	457,765.78	757,162.79	32.25654402	-103.63515240
Hold	14,549.15	90.00	359.59	10,730.00	7,043.10	2,655.64	2,643.16	-1,753.32	0.00	460,775.59	757,141.25	32.26481742	-103.63516874
Turn 2'/100ft	14,799.15	90.00	354.59	10,730.00	7,043.10	2,905.32	2,892.76	-1,766.01	2.00	461,025.18	757,128.56	32.26550369	-103.63519453
Hold	14,919.15	90.00	354.59	10,730.00	7,043.10	3,024.87	3,012.23	-1,777.32	0.00	461,144.64	757,117.25	32.26583225	-103.63522862
Turn 2'/100ft	15,169.15	90.00	359.59	10,730.00	7,043.10	3,274.55	3,261.83	-1,790.01	2.00	461,394.23	757,104.56	32.26651852	-103.63526441
Hold	15,269.15	90.00	359.59	10,730.00	7,043.10	3,374.55	3,361.82	-1,790.72	0.00	461,494.22	757,103.85	32.26679338	-103.63526462
Turn 2'/100ft	15,519.15	90.00	4.59	10,730.00	7,043.10	3,624.23	3,611.58	-1,781.61	2.00	461,743.97	757,112.96	32.26747969	-103.63522988
Hold	15,642.15	90.00	4.59	10,730.00	7,043.10	3,746.77	3,734.18	-1,771.77	0.00	461,866.57	757,122.80	32.26781650	-103.63519546
Turn 2'/100ft	15,892.02	90.00	359.59	10,730.00	7,043.10	3,996.31	3,983.80	-1,762.65	2.00	462,116.18	757,131.92	32.26850244	-103.63516071
Hold	15,954.69	90.00	359.59	10,730.00	7,043.10	9,156.99	9,146.34	-1,799.35	0.00	467,278.52	757,095.22	32.26269272	-103.63517076
Triste Draw 36-25 Federal Com 211H - BHL [100FNL, 530FWL]	21,054.69	90.00	359.59	10,730.00	7,043.10								

Survey Type: Def Plan

Survey Error Model: ISCWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300.000	1/100.000	'5 – 12.25 – 8.75 3.375 – 9.625 – 7			A001Mb_MWD		Triste Draw 36-25 Federal Com 211H / Coterra Tris
	1	10,300.000	21,054.691	1/100.000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 211H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,381.900	17.500	13.375	
4,991.900	12.250	9.625	
12,521.900	8.750	7.000	
21,054.691	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 Proposal
Geodetic Report

Def Plan

Report Date:	October 07, 2025 - 08:00 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTTERRA	Vertical Section Datum:	1985 (NAD 83) North
Field:	M&L Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Shot:	Coterra - Triste Draw 36-25 Federal Com (Prod) / 211H	TVD Reference Datum:	0.000 ft, 0.000 ft
Well:	Triste Draw 36-25 Federal Com 211H	TVD Reference Elevation:	3886.500 ft above MSL
Borehole:	Unknown / Lithium	Magnetic Declination:	6.887°
Utility / App:	Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25	Total Gravity Field Strength:	998.437mg (9.80665 Based)
Survey Name:	October 05, 2025	Gravity Model:	GAR4
Survey Dates:	October 05, 2025	Magnetic City Angle:	47188.444 nT
Test / AND / DDI / ERD Ratio:	137.365 ° / 12403.750 R / 6.824 / 1.156	Total Magnetic Field Strength:	50.740°
Coordinate Reference System:	NAD83 New Mexico State Plane, Easton Zone, US Feet	Magnetic Declination Model:	HGCM 2025
Location Lat / Long:	32°12'27.07562"N, 103°37'46.3648"W	North Reference:	Grid North
Location Grid ENE YCL:	N 48132.530 RUS, E 738954.500 RUS	Grid Convergence UTM:	0.330°
CRS Grid Convergence Angle:	0.330°	Total Com Map North-Solid North:	5.700°
Grid Scale Factor:	0.999933(Approx)	Local Coord Referenced To:	Well Head
Version / Patch:	2025.1.1.1		

	MD	Incl	Actm	TVD	TVDSS	VSEC	AHD	NS	EW	Debt(MD)	Debt(TVD)	DLS	BR	TR	GTF	MTF	TF	Northing	Easting	Latitude	Longitude	Latitude	Longitude	Closure	Closure Azimuth	Directional Difficulty Index	Tortuosity	ERD Ratio	Exclusion Zone Alert	Geocling Tn	Exclusion Zone Angle	Exclusion Zone Tolerance	Alert Zone Tolerance
SRL (1302175, 200517M)	800.00	0.00	0.00	0.00	-3,886.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	HS	234.17	234.17M	458.122.53	758.894.50	32°15'27.07562°N	103°37'46.364819°W	32.25752101	-103.62954201	0.00	0.00	0.00	0.00	0.00	23.780.40	30.25	4.000.00	6.000.00	
Nudge, Build 1°/100R	800.00	0.00	234.17	800.00	-2,886.90	0.00	0.00	0.00	0.00	800.00	800.00	0.00	0.00	0.00	HS	234.17	234.17M	458.122.53	758.894.50	32°15'27.07562°N	103°37'46.364819°W	32.25752101	-103.62954201	0.00	0.00	0.00	0.00	0.00	23.780.40	30.25	4.000.00	6.000.00	
Hold	1,200.00	6.00	234.17	1,199.27	-2,487.63	-12.13	20.92	-12.25	-16.96	800.00	399.27	1.25	1.50	0.00	HS	234.17	234.17M	458.120.28	758.877.54	32°15'26.95520°N	103°37'46.553306°W	32.25748754	-103.62958814	20.92	234.17	2.10	6.00	0.02	26.732.21	34.50	4.000.00	6.000.00	
Build 2°/100R	1,502.39	8.00	234.17	1,500.00	-2,188.90	-30.45	52.53	-30.75	-42.59	302.39	300.73	0.00	0.00	0.00	HS	234.17	234.17M	458.101.78	758.851.91	32°15'26.774508°N	103°37'46.863113°W	32.25743725	-103.62961431	52.53	234.17	2.90	6.00	0.04	26.732.21	34.50	4.000.00	6.000.00	
Hold	1,889.75	13.75	234.17	1,881.34	-1,692.56	-68.91	118.91	-69.61	-86.40	387.37	381.34	2.00	2.00	0.00	HS	234.17	HS	458.062.83	758.783.10	32°15'26.393135°N	103°37'47.482725°W	32.25731343	-103.62965631	118.91	234.17	3.22	13.75	0.07	30.684.02	40.57	4.000.00	6.000.00	
Drop 2°/100R	6,660.73	13.75	234.17	6,429.70	5,742.80	-1,139.30	1,965.60	-1,100.63	-1,603.62	7,770.68	7,548.36	0.00	0.00	0.00	LS	234.17	LS	458.881.64	757.303.34	32°15'15.703307°N	103°36.995289°W	32.25434301	-103.63472203	1,965.60	234.17	4.44	13.75	0.21	30.684.02	40.57	4.000.00	6.000.00	
Hold	10,248.09	2.00	234.17	10,010.51	6,320.61	-1,185.75	2,045.92	-1,197.65	-1,658.75	987.37	980.81	2.00	-2.00	0.00	HS	234.17	234.17M	458.034.93	757.235.82	32°15'15.332189°N	103°38'5.761142°W	32.25425894	-103.63403365	2,045.92	234.17	4.73	25.49	0.20	24.740.11	31.61	4.000.00	6.000.00	
KOP, Build & Turn 10°/100R	10,363.09	2.00	234.17	10,125.44	6,438.54	-1,188.08	2,049.94	-1,200.00	-1,662.00	115.00	114.93	0.00	0.00	0.00	120.89R	351.73	351.73M	458.532.58	757.232.86	32°15'15.309189°N	103°38'5.799210°W	32.25424254	-103.63484423	2,049.94	234.17	4.73	25.49	0.20	24.740.11	31.61	4.000.00	6.000.00	
Build & Turn 10°/100R	10,646.67	27.38	351.73	10,398.64	6,711.74	-1,125.06	2,115.22	-1,137.08	-1,675.67	283.57	273.20	10.00	8.95	41.46	3.79R	352.36	352.36M	458.995.90	757.218.90	32°15'15.932644°N	103°38'5.963099°W	32.25442073	-103.63484711	2,025.05	235.84	5.07	53.85	0.20	Enter Alert	5,909.99	7.30	4.000.00	6.000.00
10,698.33	32.54	302.36	10,443.38	6,796.48	-1,099.49	2,141.01	-1,171.54	-1,679.23	51.66	44.74	10.00	9.98	1.21	3.19R	354.59	354.59M	457.021.04	757.193.34	32°15'16.185612°N	103°38'5.963099°W	32.25449600	-103.63490808	2,013.78	236.60	5.11	59.62	0.21	Exit Alert	6,000.00	7.30	4.000.00	6.000.00	
11,123.29	75.00	354.59	10,688.87	7,051.97	-796.24	2,475.90	-778.53	-1,715.45	424.86	245.48	10.00	9.99	0.53	18.68R	457.354.03	457.354.03M	457.179.11	757.179.11	32°15'16.462698°N	103°38'5.963099°W	32.25541194	-103.63510625	1,883.85	245.59	5.42	101.01	0.23	33.605.00	46.48	4.000.00	6.000.00		
11,439.15	90.00	359.59	10,730.00	7,043.10	-454.36	2,788.25	-466.79	-1,731.06	315.88	41.14	5.00	4.75	1.58	HS	359.59	HS	457.665.79	757.163.50	32°15'22.569807°N	103°38'5.547873°W	32.25626916	-103.63515219	1,782.89	254.91	5.94	117.31	0.26	40.848.53	59.94	4.000.00	6.000.00		
Landing Point	11,539.15	90.00	359.59	10,730.00	7,043.10	-354.36	2,888.25	-366.79	-1,731.78	100.00	0.00	0.00	0.00	0.00	HS	359.59	HS	457.765.78	757.162.79	32°15'23.558414°N	103°38'5.548834°W	32.25654402	-103.63515240	1,775.19	256.04	5.96	117.31	0.27	40.848.53	59.94	4.000.00	6.000.00	
Turn 2°/100R	14,548.15	90.00	359.59	10,730.00	7,043.10	2,655.64	5,888.25	2,643.16	-1,753.32	3,010.00	0.00	0.00	0.00	0.00	90L	354.59	90L	460.775.59	757.141.25	32°15'53.342739°N	103°38'5.571460°W	32.26481472	-103.63515874	3,171.82	326.44	5.97	117.31	0.55	40.848.53	59.94	4.000.00	6.000.00	
Hold	14,799.15	90.00	354.59	10,730.00	7,043.10	2,995.52	6,146.25	2,882.76	-1,766.01	290.00	0.00	2.00	0.00	-2.00	HS	354.59	HS	461.025.16	757.139.56	32°15'53.513272°N	103°38'5.700147°W	32.26505369	-103.63515403	3,389.32	328.60	6.02	122.31	0.57	41.028.83	60.37	4.000.00	6.000.00	
Turn 2°/100R	14,919.15	90.00	354.59	10,730.00	7,043.10	3,024.87	6,288.25	3,012.23	-1,777.32	120.00	0.00	0.00	0.00	0.00	90R	359.59	90R	461.144.64	757.117.25	32°15'56.960697°N	103°38'5.823022°W	32.26583225	-103.63523862	3,497.48	329.46	6.03	122.31	0.58	41.028.83	60.37	4.000.00	6.000.00	
Hold	15,189.15	90.00	359.59	10,730.00	7,043.10	3,274.55	6,618.25	3,261.81	-1,780.01	250.00	0.00	0.00	0.00	2.00	HS	359.59	HS	461.284.23	757.104.46	32°15'59.466697°N	103°38'5.918777°W	32.26691852	-103.63526441	3,720.79	331.24	6.07	127.31	0.61	40.848.53	59.94	4.000.00	6.000.00	
Turn 2°/100R	15,269.15	90.00	359.59	10,730.00	7,043.10	3,274.55	6,618.25	3,261.82	-1,780.72	100.00	0.00	0.00	0.00	0.00	90R	459	90R	461.494.22	757.103.85	32°16'0.456167°N	103°38'5.963032°W	32.26699138	-103.63526462	3,808.01	331.98	6.08	127.31	0.62	40.848.53	59.94	4.000.00	6.000.00	
Hold	15,519.15	90.00	459	10,730.00	7,043.10	3,624.23	6,868.25	3,611.58	-1,781.61	250.00	0.00	2.00	0.00	2.00	HS	459	HS	461.743.97	757.121.86	32°16'2.00807°N	103°38'5.827569°W	32.26747669	-103.63525988	4,027.11	333.74	6.12	132.31	0.64	40.772.54	59.75	4.000.00	6.000.00	
Turn 2°/100R	15,642.15	90.00	459	10,730.00	7,043.10	3,746.77	6,991.25	3,734.18	-1,771.77	123.00	0.00	0.00	0.00	0.00	90L	359.59	90L	461.886.37	757.122.80	32°16'4.138457°N	103°38'5.732847°W	32.26781650	-103.63515546	4,133.19	334.62	6.13	132.31	0.65	40.772.54	59.75	4.000.00	6.000.00	
Hold	15,892.02	90.00	359.59	10,730.00	7,043.10	3,999.31	7,241.12	3,983.80	-1,762.65	249.86	0.00	2.00	0.00	-2.00	HS	359.59	HS	462.116.18	757.131.92	32°16'9.608789°N	103°38'5.578573°W	32.26850244	-103.63516071	4,356.33	336.13	6.17	137.30	0.67	40.848.47	59.94	4.000.00	6.000.00	
Triste Draw 36-25 Federal Com.1	21,054.69	90.00	359.59	10,730.00	7,043.10	9,158.59	12,403.79	9,146.34	-1,789.35	5,162.67	0.00	0.00	0.00	0.00	0.00			467.278.52	757.085.22	32°16'57.603701°N	103°38'5.614740°W	32.26920272	-103.63517076	9,321.66	346.87	6.52	137.30	1.16	40.848.47	59.94	4.000.00	6.000.00	

Survey Type: Def Plan

Survey Error Model: ISONSA Rev 4 *** 3-D, 95 % Confidence 2.7665 sigma

Description	Part	MD From (ft)	MD To (ft)	EDU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300.000	1°/100.000 7.5 - 12.25 - 8.75 3.375 - 9.625 - 7				A001MB_MWD		Triste Draw 36-25 Federal Com 211H / Coterra Tris
	1	10,300.000	21,054.691	1°/100.000	8.75 - 6	7 - 4.5		A008MB_MWD+HFI+MS		Triste Draw 36-25 Federal Com 211H / Coterra Tris

EDU Geometry:	Hole Size (in)	Casing Size (in)	Name
End MD (ft)			
1,381.900	17.500	13.375	
4,991.900	12.250	9.625	
12,521.900	8.750	7.000	
21,054.691	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 07, 2025 - 08:02 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra - Triste Draw 36-25 Federal Com Pad (west)
Slot: 211H
Well: Triste Draw 36-25 Federal Com 211H
Borehole: Triste Draw 36-25 Federal Com 211H
Scan MD Range: 0.00ft ~ 21054.69ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2025.1.0.1
Database \ Project: Triste Draw 36-25 Federal Com 211H-COTERRA

Trajectory Error Model: ISCWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 2000ft
 Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
 - All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole

18 out of 46 are selected

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	

Results highlighted in red: Sep-Factor <= 1.5

Result highlighted in boxed, red and bold: all local minima indicated.

Coterra Triste Draw 36-25 Federal Com 221U Rev0 kFc 06Oct25 (DefinitivePlan) - Fail Minor

34.99	28.40	31.71	6.60	16.85	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
34.99	28.40	31.71	6.60	16.85	CtCt 15.00m	26.50	26.50		WRP
28.59	28.40	16.05	0.20	2.41	OSF 5.00	1192.80	1192.11		MinPts
28.73	28.40	15.92	0.34	2.36	OSF 5.00	1220.00	1219.16		MinPt-EOU
29.21	28.40	16.10	0.81	2.34	OSF 5.00	1250.00	1249.00		MinPt-SF
100.46	30.85	79.57	69.61	5.00	OSF 5.00	2060.00	2046.71	OSF>5.00	Exit Alert
849.39	178.05	730.36	671.34	7.19		10373.36	10135.70		MinPt-CtCt
849.43	178.16	730.33	671.27	7.18		10390.00	10152.33		MinPts
861.49	181.48	740.18	680.01	7.15		10630.00	10383.73		MinPt-SF
983.37	217.80	837.84	765.57	6.80		14590.00	10730.00		MinPt-EOU
983.52	217.99	837.87	765.54	6.79		14600.00	10730.00		MinPt-ADP
1009.48	225.74	858.65	783.73	6.73		15000.00	10730.00		MinPt-SF
768.93	231.82	614.06	537.12	4.99	OSF 5.00	15260.00	10730.00	OSF<=5.00	Enter Alert
345.84	347.20	114.04	-1.37	1.49	OSF 1.50	15840.00	10730.00	OSF<=1.50	Enter Minor
321.65	362.36	79.74	-40.73	1.33	OSF 1.50	15960.00	10730.00		MinPts
321.55	362.21	79.75	-40.66	1.33	OSF 1.50	15970.00	10730.00		MinPt-CtCt
251.95	360.92	11.01	-108.97	1.05	OSF 1.50	20910.00	10730.00		MinPts
251.91	360.67	11.14	-108.76	1.05	OSF 1.50	20920.00	10730.00		MinPt-CtCt
275.17	343.70	45.71	-68.53	1.20	OSF 1.50	21054.69	10730.00		TD

Coterra Triste Draw 36-25 Federal Com 151H Rev0 kFc 06Oct25 (DefinitivePlan) - Warning Alert

19.99	16.39	16.71	3.60	9.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
19.99	16.39	16.71	3.60	9.35	CtCt 15.00m	26.50	26.50		WRP
19.99	16.39	13.06	3.60	3.31	CtCt 15.00m	590.00	590.00		MinPts
20.18	16.39	12.78	3.78	3.09	CtCt 15.00m	640.00	640.00		MinPt-EOU
21.66	16.39	13.52	5.26	2.97	CtCt 15.00m	720.00	720.00		MinPt-SF
46.55	19.56	33.08	26.99	3.71	OSF 5.00	1290.00	1288.78		MinPt-SF
63.80	29.18	44.01	34.61	3.34	OSF 5.00	1950.00	1939.86		MinPt-EOU
108.71	79.84	55.16	28.88	2.05	OSF 5.00	4430.00	4348.81		MinPt-ADP
210.54	182.91	88.27	27.63	1.73	OSF 5.00	8980.00	8768.47		MinPt-CtCt
211.15	185.41	87.22	25.74	1.71	OSF 5.00	9100.00	8885.03		MinPt-EOU
211.43	185.74	87.28	25.69	1.71	OSF 5.00	9120.00	8904.46		MinPt-ADP
211.59	185.89	87.34	25.70	1.71	OSF 5.00	9130.00	8914.18		MinPt-SF
501.76	151.97	400.12	349.79	4.97	OSF 5.00	10520.00	10280.68	OSF>5.00	Exit Alert
521.38	105.98	450.40	415.40	7.43		11670.00	10730.00		MinPt-CtCt
521.84	107.39	449.91	414.45	7.34		11710.00	10730.00		MinPt-EOU
522.40	108.11	450.00	414.29	7.30		11730.00	10730.00		MinPt-ADP
547.78	165.04	437.43	382.74	5.00	OSF 5.00	14460.00	10730.00	OSF<=5.00	Enter Alert
536.86	181.81	415.32	355.05	4.45	OSF 5.00	15269.15	10730.00		MinPt-CtCt
538.87	187.34	413.65	351.53	4.33	OSF 5.00	15460.00	10730.00		MinPt-EOU
547.90	352.84	312.34	195.06	2.33	OSF 5.00	21054.69	10730.00		MinPts

Coterra Triste Draw 36-25 Federal Com 212H Rev0 kFc 06Oct25 (DefinitivePlan) - Warning Alert

20.00	16.40	16.72	3.60	9.36	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
20.00	16.40	16.72	3.60	9.36	CtCt 15.00m	26.50	26.50		WRP
20.00	16.40	11.07	3.60	2.45	CtCt 15.00m	800.00	800.00		MinPts
20.17	16.40	10.86	3.77	2.35	CtCt 15.00m	840.00	840.00		MinPt-EOU
21.09	16.40	11.20	4.68	2.30	CtCt 15.00m	900.00	899.99		MinPt-SF
75.14	23.31	59.27	51.83	4.98	OSF 5.00	1550.00	1547.31	OSF>5.00	Exit Alert
1255.92	176.55	1137.89	1079.37	10.72		10363.09	10125.44		MinPt-SF
1319.81	216.21	1175.34	1103.60	9.19		14580.00	10730.00		MinPt-EOU
1320.09	216.58	1175.38	1103.52	9.18		14600.00	10730.00		MinPt-ADP
1249.29	253.83	1079.75	995.47	7.41		16370.00	10730.00		MinPt-CtCt
1249.88	255.52	1079.20	994.36	7.36		16440.00	10730.00		MinPt-EOU
1250.50	256.24	1079.34	994.26	7.34		16470.00	10730.00		MinPt-ADP
1270.62	263.43	1094.67	1007.19	7.28		16790.00	10730.00		MinPt-SF
1319.82	376.63	1068.41	943.19	5.27		21054.69	10730.00		MinPts

Coterra Triste Draw 36-25 Federal Com 152H Rev0 kFc 06Oct25 (DefinitivePlan) - Warning Alert

39.99	32.40	36.71	7.60	19.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
39.99	32.40	36.71	7.60	19.35	CtCt 15.00m	26.50	26.50		WRP
39.99	32.40	31.06	7.60	5.06	CtCt 15.00m	800.00	800.00		MinPts

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
40.17	32.40		30.85	7.77	4.84	CtCt 15.00m	840.00	840.00				MinPt-EOU
43.94	32.40		33.20	11.54	4.51	CtCt 15.00m	990.00	989.92				MinPt-SF
58.35	32.40		45.60	25.96	4.97	OSF 5.00	1200.00	1199.27	OSF>5.00			Exit Alert
1846.28	161.08	1738.57	1685.21		17.29		11140.00	10693.08				MinPt-SF
1852.31	194.07	1722.60	1658.24		14.38		14070.00	10730.00				MinPt-CtCt
1852.75	195.43	1722.13	1657.31		14.28		14140.00	10730.00				MinPt-EOU
1853.24	196.02	1722.23	1657.22		14.25		14170.00	10730.00				MinPt-ADP
1896.38	206.36	1758.48	1690.02		13.84		14700.00	10730.00				MinPt-SF
1851.35	368.36	1605.45	1482.99		7.55		21054.69	10730.00				MinPts
Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 (DefinitivePlan) - Warning Alert												
40.30	32.64	37.02	7.66	19.51		CtCt 15.00m	0.00	0.00	CtCt<=15.00m			Enter Alert
40.30	32.64	37.02	7.66	19.51		CtCt 15.00m	26.50	26.50				WRP
40.12	32.64	29.56	7.48	4.19		CtCt 15.00m	971.34	971.28				MinPts
40.53	32.64	29.02	7.88	3.84		OSF 5.00	1070.00	1069.78				MinPt-EOU
42.85	32.64	30.44	10.21	3.70		OSF 5.00	1180.00	1179.37				MinPt-SF
81.69	32.64	64.55	49.04	5.00		OSF 5.00	1680.00	1675.95	OSF>5.00			Exit Alert
1513.11	180.06	1392.74	1333.05	12.67			10760.00	10493.50				MinPt-SF
1669.19	175.97	1551.55	1493.22	14.30			11420.00	10729.85				MinPt-ADP
1686.56	213.54	1543.87	1473.02	11.90			14570.00	10730.00				MinPt-EOU
1686.87	213.91	1543.94	1472.96	11.88			14590.00	10730.00				MinPt-ADP
1693.76	240.02	1533.41	1453.73	10.62			15870.00	10730.00				MinPt-CtCt
1724.77	374.92	1474.50	1349.85	6.91			21054.69	10730.00				MinPts
Coterra Triste Draw 36-25 Federal Com 301H Rev1 kFc 06Oct25 (DefinitivePlan) - Warning Alert												
40.30	32.64	37.01	7.66	19.50		CtCt 15.00m	0.00	0.00	CtCt<=15.00m			Enter Alert
40.30	32.64	37.01	7.66	19.50		CtCt 15.00m	26.50	26.50				WRP
40.30	32.64	33.36	7.66	6.91		CtCt 15.00m	590.00	590.00				MinPts
40.50	32.64	33.10	7.86	6.42		CtCt 15.00m	640.00	640.00				MinPt-EOU
48.86	32.64	39.34	16.22	5.78		CtCt 15.00m	870.00	870.00	CtCt>15.00m			Exit Alert
54.54	32.64	44.03	21.90	5.77			980.00	979.93				MinPt-SF
61.91	32.64	48.60	29.27	4.99		OSF 5.00	1290.00	1288.78	OSF<=5.00			Enter Alert
64.82	32.64	47.24	32.18	3.85		OSF 5.00	1740.00	1735.01				MinPt-EOU
59.46	36.35	34.90	23.11	2.48		OSF 5.00	2310.00	2289.55				MinPt-CtCt
61.30	41.70	33.17	19.60	2.22		OSF 5.00	2560.00	2532.38				MinPt-EOU
64.01	44.95	33.72	19.07	2.15		OSF 5.00	2710.00	2678.09				MinPt-ADP
68.92	48.97	35.95	19.95	2.12		OSF 5.00	2900.00	2862.64				MinPt-SF
457.86	179.36	337.96	278.50	3.84		OSF 5.00	10260.00	10022.41				MinPt-SF
672.05	202.93	536.44	469.13	4.98		OSF 5.00	11120.00	10688.01	OSF>5.00			Exit Alert
729.42	126.73	644.60	602.69	8.69			11430.00	10729.97				MinPt-SF
713.06	125.20	629.26	587.86	8.60			11960.00	10730.00				MinPt-CtCt
725.12	166.02	614.11	559.10	6.58			14310.00	10730.00				MinPt-EOU
727.20	168.46	614.56	558.73	6.50			14410.00	10730.00				MinPt-ADP
733.56	212.11	591.83	521.45	5.20			16120.00	10730.00				MinPt-CtCt
735.12	221.31	587.24	513.80	5.00		OSF 5.00	16460.00	10730.00	OSF<=5.00			Enter Alert
757.54	357.90	518.61	399.64	3.18		OSF 5.00	21054.69	10730.00				MinPts
Coterra Triste Draw 36-25 Federal Com 401H - Corrected MWD to 22803ft (DefinitiveSurvey) - Warning Alert												
138.06	32.81	135.47	105.26	96.89			0.00	0.00				Surface
137.90	32.81	135.31	105.10	96.66			26.50	26.50				WRP
112.73	32.81	90.62	79.93	5.29			2150.00	2134.13				MinPt-CtCt
113.74	34.82	90.20	78.93	5.00		OSF 5.00	2280.00	2260.41	OSF<=5.00			Enter Alert
122.16	46.36	90.92	75.79	4.01		OSF 5.00	2970.00	2930.64				MinPt-EOU
123.54	48.02	91.20	75.52	3.91		OSF 5.00	3070.00	3027.77				MinPt-ADP
108.13	66.45	63.50	41.68	2.45		OSF 5.00	4200.00	4125.40				MinPt-CtCt
107.80	71.52	59.79	36.28	2.27		OSF 5.00	4527.83	4443.84				MinPt-CtCt
108.02	72.15	59.59	35.87	2.26		OSF 5.00	4570.00	4484.80				MinPt-EOU
108.14	72.30	59.61	35.84	2.25		OSF 5.00	4580.00	4494.52				MinPt-ADP
108.65	72.72	59.84	35.93	2.25		OSF 5.00	4610.00	4523.66				MinPt-SF
115.87	79.03	62.86	36.85	2.21		OSF 5.00	5000.00	4902.49				MinPt-CtCt
116.52	80.78	62.34	35.74	2.17		OSF 5.00	5120.00	5019.05				MinPt-EOU
118.57	83.20	62.78	35.37	2.15		OSF 5.00	5280.00	5174.47				MinPt-ADP
125.16	88.94	65.54	36.22	2.12		OSF 5.00	5630.00	5514.44				MinPt-SF
144.95	97.80	79.41	47.14	2.23		OSF 5.00	6130.00	6000.12				MinPt-SF
169.69	111.09	95.31	58.60	2.30		OSF 5.00	6850.00	6699.49				MinPt-SF
176.34	115.43	99.06	60.91	2.30		OSF 5.00	7090.00	6932.61				MinPt-SF
189.65	123.08	107.27	66.57	2.32		OSF 5.00	7520.00	7350.30				MinPt-SF
197.41	129.08	111.02	68.33	2.30		OSF 5.00	7850.00	7670.84				MinPt-ADP
204.44	134.26	114.61	70.18	2.29		OSF 5.00	8120.00	7933.11				MinPt-SF
213.98	139.28	120.80	74.71	2.31		OSF 5.00	8390.00	8195.37				MinPt-SF
224.72	146.75	126.55	77.96	2.30		OSF 5.00	8780.00	8574.20				MinPt-ADP
225.84	147.67	127.07	78.17	2.30		OSF 5.00	8830.00	8622.77				MinPt-SF
214.25	168.84	101.36	45.41	1.91		OSF 5.00	9850.00	9614.90				MinPt-CtCt
214.58	169.78	101.06	44.79	1.90		OSF 5.00	9900.00	9664.22				MinPt-EOU
214.89	170.14	101.13	44.75	1.90		OSF 5.00	9920.00	9683.99				MinPt-ADP
215.09	170.32	101.22	44.77	1.90		OSF 5.00	9930.00	9693.88				MinPt-SF
580.03	176.51	462.03	403.52	4.95		OSF 5.00	11230.00	10711.90	OSF>5.00			Exit Alert
1712.83	126.32	1628.29	1586.51	20.49			12730.00	10730.00				MinPt-EOU
1712.89	126.38	1628.30	1586.50	20.48			12740.00	10730.00				MinPt-ADP
1710.09	142.73	1614.61	1567.36	18.09			13540.00	10730.00				MinPt-CtCt
1705.75	147.03	1607.40	1558.72	17.51			13730.00	10730.00				MinPt-CtCt
1705.77	147.08	1607.38	1558.68	17.50			13740.00	10730.00				MinPt-EOU
1704.60	150.97	1603.63	1553.63	17.04			13900.00	10730.00				MinPt-CtCt
1703.97	158.14	1598.22	1545.83	16.25			14200.00	10730.00				MinPt-CtCt
1690.58	169.83	1577.03	1520.75	15.01			14680.00	10730.00				MinPt-CtCt
1684.52	181.36	1563.28	1503.15	14.00			15090.00	10730.00				MinPt-CtCt
1684.78	182.14	1563.03	1502.64	13.94			15140.00	10730.00				MinPt-EOU
1685.04	182.44	1563.08	1502.60	13.92			15160.00	10730.00				MinPt-ADP
1686.09	186.08	1561.71	1500.01	13.66			15260.00	10730.00				MinPt-CtCt
1686.53	187.31	1561.32	1499.21	13.57			15330.00	10730.00				MinPt-EOU

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
1688.83	192.86	1559.93	1495.97	13.19			15530.00	10730.00				MinPt-EOU
1685.58	211.62	1544.17	1473.96	12.00			16200.00	10730.00				MinPt-CtCt
1686.00	212.82	1543.79	1473.18	11.93			16270.00	10730.00				MinPt-EOU
1686.44	213.33	1543.89	1473.11	11.91			16300.00	10730.00				MinPt-ADP
1688.43	216.60	1543.70	1471.83	11.74			16410.00	10730.00				MinPt-EOU
1689.98	218.46	1544.01	1471.52	11.65			16490.00	10730.00				MinPt-ADP
1695.03	225.49	1544.37	1469.54	11.32			16720.00	10730.00				MinPt-EOU
1691.16	255.59	1520.44	1435.57	9.96			17700.00	10730.00				MinPt-CtCt
1695.74	266.79	1517.56	1428.96	9.56			18100.00	10730.00				MinPt-EOU
1696.06	267.15	1517.63	1428.91	9.55			18120.00	10730.00				MinPt-ADP
1714.50	299.85	1514.28	1414.66	8.60			19160.00	10730.00				MinPt-CtCt
1714.58	300.08	1514.20	1414.51	8.59			19180.00	10730.00				MinPt-EOU
1714.67	300.19	1514.21	1414.48	8.59			19190.00	10730.00				MinPt-ADP
1703.68	322.83	1488.13	1380.85	7.94			19890.00	10730.00				MinPt-CtCt
1703.79	323.24	1487.97	1380.55	7.93			19920.00	10730.00				MinPt-EOU
1704.00	323.50	1488.00	1380.50	7.92			19940.00	10730.00				MinPt-ADP
1712.83	338.71	1486.69	1374.12	7.60			20400.00	10730.00				MinPt-CtCt
1714.33	353.04	1478.64	1361.29	7.30			20860.00	10730.00				MinPt-CtCt
1716.41	357.98	1477.43	1358.43	7.21			21054.69	10730.00				MinPts

Coterra Triste Draw 36-25 Federal Com 351H - Corrected MWD to 22493ft (DefinitiveSurvey) - Warning Alert

153.19	32.81	150.49	120.38	107.50			0.00	0.00				Surface
153.01	32.81	150.31	120.20	107.27			26.50	26.50				WRP
147.72	32.81	138.87	114.91	19.36			830.00	830.00				MinPts
149.83	32.81	136.54	117.02	12.37			1290.00	1288.78				MinPt-EOU
150.38	32.81	136.41	117.57	11.57			1380.00	1378.28				MinPt-EOU
148.42	32.97	126.11	115.44	6.91			2140.00	2124.42				MinPt-CtCt
151.69	40.10	124.63	111.59	5.78			2530.00	2503.24				MinPt-EOU
155.84	45.12	125.43	110.72	5.26			2800.00	2765.51				MinPt-ADP
159.69	48.68	126.91	111.01	4.99		OSF 5.00	2990.00	2950.07	OSF<=5.00			Enter Alert
164.44	55.30	127.25	109.15	4.51		OSF 5.00	3340.00	3290.04				MinPt-EOU
165.70	56.80	127.51	108.90	4.43		OSF 5.00	3420.00	3367.75				MinPt-ADP
165.20	71.43	117.25	93.77	3.50		OSF 5.00	4180.00	4105.98				MinPt-CtCt
165.98	74.29	116.13	91.70	3.38		OSF 5.00	4330.00	4251.68				MinPt-EOU
167.42	76.01	116.43	91.42	3.33		OSF 5.00	4420.00	4339.10				MinPt-ADP
169.40	78.90	116.47	90.50	3.24		OSF 5.00	4570.00	4484.80				MinPt-EOU
170.33	80.04	116.63	90.28	3.21		OSF 5.00	4630.00	4543.09				MinPt-ADP
165.98	103.75	96.48	62.23	2.41		OSF 5.00	5870.00	5747.56				MinPt-CtCt
166.30	104.81	96.09	61.48	2.39		OSF 5.00	5930.00	5805.84				MinPt-EOU
167.08	105.72	96.27	61.36	2.38		OSF 5.00	5980.00	5854.41				MinPt-ADP
177.94	114.70	101.15	63.24	2.33		OSF 5.00	6460.00	6320.66				MinPt-SF
187.17	137.08	95.46	50.09	2.05		OSF 5.00	7610.00	7437.72				MinPt-CtCt
189.96	153.77	87.12	36.19	1.86		OSF 5.00	8450.00	8253.65				MinPt-CtCt
193.97	168.93	81.02	25.04	1.72		OSF 5.00	9180.00	8962.74				MinPt-EOU
194.23	169.25	81.07	24.98	1.72		OSF 5.00	9200.00	8982.17				MinPt-ADP
194.39	169.41	81.12	24.98	1.72		OSF 5.00	9210.00	8991.88				MinPt-SF
630.06	191.66	501.95	438.39	4.95		OSF 5.00	11210.00	10708.29	OSF>5.00			Exit Alert
1480.47	136.06	1389.43	1344.40	16.43			12130.00	10730.00				MinPt-CtCt
1479.76	138.46	1387.12	1341.29	16.13			12310.00	10730.00				MinPt-CtCt
1479.22	141.16	1384.79	1338.06	15.82			12490.00	10730.00				MinPt-CtCt
1479.88	145.01	1382.88	1334.87	15.40			12720.00	10730.00				MinPt-CtCt
1480.20	145.90	1382.61	1334.30	15.31			12790.00	10730.00				MinPt-EOU
1482.36	150.08	1381.98	1332.28	14.90			13020.00	10730.00				MinPt-EOU
1482.87	150.69	1382.08	1332.18	14.85			13060.00	10730.00				MinPt-ADP
1484.22	160.61	1376.82	1323.61	13.94			13520.00	10730.00				MinPt-CtCt
1487.87	174.87	1370.97	1313.00	12.83			14160.00	10730.00				MinPt-CtCt
1485.66	185.64	1361.57	1300.02	12.06			14600.00	10730.00				MinPt-CtCt
1487.55	190.01	1360.55	1297.54	11.80			14770.00	10730.00				MinPt-EOU
1489.92	192.68	1361.14	1297.24	11.65			14870.00	10730.00				MinPt-ADP
1483.16	215.25	1339.33	1267.90	10.38			15790.00	10730.00				MinPt-CtCt
1483.30	215.71	1339.17	1267.59	10.35			15820.00	10730.00				MinPt-EOU
1488.30	224.26	1338.46	1264.04	9.99			16100.00	10730.00				MinPt-CtCt
1488.82	225.75	1337.99	1263.07	9.93			16180.00	10730.00				MinPt-EOU
1489.29	226.31	1338.09	1262.98	9.91			16210.00	10730.00				MinPt-ADP
1490.71	236.20	1332.91	1254.51	9.50			16530.00	10730.00				MinPt-CtCt
1493.39	251.28	1325.54	1242.11	8.94			17060.00	10730.00				MinPt-CtCt
1489.64	272.74	1307.48	1216.89	8.22			17790.00	10730.00				MinPt-CtCt
1483.30	325.10	1266.24	1158.20	6.86			19550.00	10730.00				MinPt-CtCt
1483.78	332.70	1261.65	1151.08	6.71			19800.00	10730.00				MinPt-CtCt
1477.49	353.45	1241.53	1124.04	6.28			20480.00	10730.00				MinPt-CtCt
1481.79	364.01	1238.79	1117.78	6.12			20850.00	10730.00				MinPt-EOU
1482.97	365.41	1239.03	1117.56	6.10			20910.00	10730.00				MinPt-ADP
1486.31	370.39	1239.05	1115.91	6.03			21054.69	10730.00				MinPts

30-025-40578 - Triste Draw 36 State 6H - Gyro-MWD to 11368ft (DefinitiveSurvey) - Warning Alert

3788.64	32.81	3785.25	3755.83	2676.41			0.00	0.00				Surface
3788.60	32.81	3785.20	3755.79	2664.31			26.50	26.50				WRP
3788.20	32.81	3784.16	3755.39	1837.01			200.00	200.00				MinPts
3792.15	32.81	3781.67	3759.34	446.10			910.00	909.98				MinPt-EOU
510.90	155.64	406.64	355.26	4.96		OSF 5.00	14710.00	10730.00	OSF<=5.00			Enter Alert
185.57	182.90	63.14	2.68	1.52		OSF 5.00	15196.98	10730.00				MinPt-CtCt
186.03	184.52	62.52	1.51	1.51		OSF 5.00	15210.00	10730.00				MinPt-EOU
187.00	185.60	62.76	1.39	1.51		OSF 5.00	15220.00	10730.00				MinPts
564.22	171.52	449.38	392.70	4.96		OSF 5.00	15740.00	10730.00	OSF>5.00			Exit Alert
5857.85	170.96	5743.37	5686.89	51.84			21054.69	10730.00				TD

30-025-40578-0100 - Triste Draw 36 State 6H ST01 - MWD 10466 to 15038ft (DefinitiveSurvey) - Warning Alert

3788.64	32.81	3785.25	3755.83	2676.41			0.00	0.00				Surface
3788.60	32.81	3785.20	3755.79	2664.31			26.50	26.50				WRP
3788.20	32.81	3784.16	3755.39	1837.01			200.00	200.00				MinPts

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
3792.15	32.81		3781.67	3759.34	446.10		910.00	909.98				MinPt-EOU
478.67	145.51	381.13		333.16	4.97	OSF 5.00	10800.00	10523.82	OSF<=5.00			Enter Alert
290.82	169.83	177.06		120.99	2.58	OSF 5.00	11390.00	10729.00				MinPt-SF
290.70	169.72	177.02	120.98		2.58	OSF 5.00	11400.00	10729.37				MinPts
290.63	169.41	177.15	121.22		2.58	OSF 5.00	11420.00	10729.85				MinPt-CtCt
290.99	156.30	186.25	134.69		2.81	OSF 5.00	12210.00	10730.00				MinPt-ADP
290.94	156.25	186.24		134.69	2.81	OSF 5.00	12220.00	10730.00				MinPt-EOU
290.91	156.18	186.26		134.74	2.81	OSF 5.00	12240.00	10730.00				MinPt-CtCt
306.70	143.37	210.62	163.33	3.23		OSF 5.00	13260.00	10730.00				MinPt-SF
291.90	148.31	192.53	143.59	2.97		OSF 5.00	14440.00	10730.00				MinPt-CtCt
292.00	148.75	192.33	143.25	2.96		OSF 5.00	14470.00	10730.00				MinPt-EOU
292.12	148.90	192.35	143.22	2.96		OSF 5.00	14480.00	10730.00				MinPt-ADP
292.73	149.30	192.69	143.42	2.96		OSF 5.00	14510.00	10730.00				MinPt-SF
202.53	180.13	81.94	22.40	1.69		OSF 5.00	15076.19	10730.00				MinPt-CtCt
202.78	181.01	81.61	21.78	1.68		OSF 5.00	15090.00	10730.00				MinPt-EOU
203.28	181.59	81.72	21.69	1.68		OSF 5.00	15100.00	10730.00				MinPts
562.69	172.52	447.18	390.17	4.92		OSF 5.00	15690.00	10730.00	OSF>5.00			Exit Alert
5863.09	171.15	5748.50	5691.95	51.83			21054.69	10730.00				TD

30-025-40184 - Triste Draw 36 State 1H - Gyro+MWD to 13942ft - A (DefinitiveSurvey) - Warning Alert

4109.40	32.81	4106.01	4076.59	2903.84			0.00	0.00				Surface
4109.39	32.81	4105.99	4076.58	2895.61			26.50	26.50				WRP
4105.88	32.81	4095.65	4073.07	497.88			900.00	899.99				MinPts
4106.81	32.81	4094.92	4074.00	414.22			1080.00	1079.75				MinPt-EOU
584.88	179.32	464.79	405.56	4.92		OSF 5.00	9310.00	9089.02	OSF<=5.00			Enter Alert
322.13	230.08	168.20	92.05	2.10		OSF 5.00	9780.00	9546.11				MinPt-SF
321.81	229.79	168.08	92.03	2.10		OSF 5.00	9790.00	9555.92				MinPts
321.78	229.60	168.17	92.18	2.11		OSF 5.00	9794.75	9560.58				MinPt-CtCt
554.76	168.24	442.06	386.52	4.98		OSF 5.00	10240.00	10002.42	OSF>5.00			Exit Alert
1207.33	129.52	1120.45	1077.81	14.14			11550.00	10730.00				MinPt-CtCt
1210.35	125.79	1125.95	1084.56	14.60			11820.00	10730.00				MinPt-ADP
1210.30	125.72	1125.94	1084.57	14.61			11830.00	10730.00				MinPt-EOU
1210.26	125.59	1125.99	1084.67	14.62			11850.00	10730.00				MinPt-CtCt
1209.70	124.54	1126.14	1085.17	14.74			11940.00	10730.00				MinPt-ADP
1209.66	124.49	1126.13	1085.17	14.75			11950.00	10730.00				MinPt-EOU
1209.64	124.45	1126.14	1085.19	14.75			11960.00	10730.00				MinPt-CtCt
1207.71	122.75	1125.34	1084.96	14.94			12150.00	10730.00				MinPts
1208.30	122.84	1125.86	1085.46	14.93			12200.00	10730.00				MinPt-SF
1222.91	118.93	1143.12	1103.98	15.60			12830.00	10730.00				MinPt-CtCt
1220.93	118.03	1141.74	1102.90	15.70			13450.00	10730.00				MinPt-CtCt
1221.02	118.27	1141.67	1102.75	15.67			13470.00	10730.00				MinPt-EOU
1221.13	118.39	1141.71	1102.74	15.65			13480.00	10730.00				MinPt-ADP
1223.19	119.34	1143.12	1103.84	15.55			13550.00	10730.00				MinPt-SF
1227.36	120.44	1146.56	1106.92	15.46			13930.00	10730.00				MinPt-ADP
1234.23	124.88	1150.48	1109.35	14.99			14350.00	10730.00				MinPt-SF
1234.92	125.29	1150.89	1109.63	14.95			14420.00	10730.00				MinPt-EOU
1235.20	125.60	1150.96	1109.60	14.91			14440.00	10730.00				MinPt-ADP
1238.58	127.78	1152.90	1110.81	14.69			14650.00	10730.00				MinPt-CtCt
1238.79	128.40	1152.69	1110.40	14.63			14690.00	10730.00				MinPt-EOU
1239.02	128.71	1152.72	1110.31	14.59			14710.00	10730.00				MinPt-ADP
1241.04	130.29	1153.68	1110.75	14.44			14850.00	10730.00				MinPt-SF
1239.84	132.86	1150.77	1106.98	14.14			15060.00	10730.00				MinPt-CtCt
1240.20	133.97	1150.39	1106.24	14.03			15120.00	10730.00				MinPt-EOU
1240.85	134.73	1150.53	1106.12	13.95			15160.00	10730.00				MinPt-ADP
1310.90	149.35	1210.83	1161.55	13.28			15650.00	10730.00				MinPt-SF
5776.46	187.03	5651.28	5589.44	46.69			21054.69	10730.00				TD

30-025-42102 - Triste Draw 25 Federal Com 8H - IFR1 to 14100ft (DefinitiveSurvey) - Warning Alert

4623.53	32.81	4620.14	4590.72	3267.36			0.00	0.00				MinPts
4623.54	32.81	4620.15	4590.73	3265.24			26.50	26.50				WRP
4630.21	32.81	4619.91	4597.40	556.43			890.00	889.99				MinPt-EOU
5694.49	168.73	5581.47	5525.77	51.10			10248.09	10010.51				MinPt-SF
951.53	170.42	837.42	781.11	8.44			16890.00	10730.00				MinPt-CtCt
951.79	171.24	837.13	780.55	8.40			16920.00	10730.00				MinPt-EOU
940.24	191.77	811.89	748.47	7.40			17830.00	10730.00				MinPt-CtCt
921.14	226.37	769.73	694.77	6.13			19160.00	10730.00				MinPt-CtCt
922.00	228.88	768.91	693.12	6.07			19250.00	10730.00				MinPt-EOU
923.17	230.26	769.16	692.91	6.04			19300.00	10730.00				MinPt-ADP
915.63	249.20	748.99	666.43	5.54			20000.00	10730.00				MinPt-CtCt
900.23	271.16	718.96	629.08	5.00		OSF 5.00	20770.00	10730.00	OSF<=5.00			Enter Alert
898.81	272.99	716.32	625.82	4.96		OSF 5.00	20824.03	10730.00				MinPt-CtCt
898.95	273.50	716.12	625.45	4.95		OSF 5.00	20840.00	10730.00				MinPt-EOU
899.18	273.79	716.16	625.39	4.95		OSF 5.00	20850.00	10730.00				MinPt-ADP
901.23	274.77	717.55	626.45	4.94		OSF 5.00	20890.00	10730.00				MinPt-SF
915.87	275.91	731.43	639.97	5.00		OSF 5.00	21000.00	10730.00	OSF>5.00			Exit Alert
927.93	275.65	743.66	652.28	5.07			21054.69	10730.00				TD

30-025-42082 - Triste Draw 25 Federal Com 10H - IFR1 to 14126ft (DefinitiveSurvey) - Pass

4623.53	32.81	4620.14	4590.72	3267.36			0.00	0.00				Surface
4623.52	32.81	4620.13	4590.71	3261.80			26.50	26.50				WRP
4616.95	32.81	4606.33	4584.14	534.05			900.00	899.99				MinPts
4617.56	32.81	4605.76	4584.75	469.86			1020.00	1019.88				MinPt-EOU
5702.54	166.30	5591.13	5536.24	51.93			10300.00	10062.38				MinPt-SF
975.85	169.94	862.06	805.91	8.68			16830.00	10730.00				MinPt-CtCt
976.29	171.36	861.55	804.93	8.61			16880.00	10730.00				MinPt-EOU
977.00	172.20	861.70	804.80	8.57			16910.00	10730.00				MinPt-ADP
982.94	175.03	865.76	807.91	8.48			17050.00	10730.00				MinPt-SF
983.97	175.56	866.42	808.40	8.47			17120.00	10730.00				MinPt-CtCt
984.66	177.82	865.62	806.84	8.36			17220.00	10730.00				MinPt-EOU
982.49	184.37	859.07	798.11	8.05			17550.00	10730.00				MinPt-CtCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	971.77	204.18	835.15	767.59	7.18		18359.25	10730.00				MinPt-CtCt
	972.59	206.73	834.27	765.86	7.10		18450.00	10730.00				MinPt-EOU
	973.93	208.33	834.54	765.60	7.05		18510.00	10730.00				MinPt-ADP
	977.90	213.63	834.98	764.27	6.90		18740.00	10730.00				MinPt-CtCt
	976.93	225.53	826.08	751.40	6.53		19200.00	10730.00				MinPt-CtCt
	978.32	230.39	824.23	747.93	6.40		19370.00	10730.00				MinPt-EOU
	979.98	232.41	824.53	747.56	6.36		19440.00	10730.00				MinPt-ADP
	990.35	246.86	825.28	743.49	6.05		19970.00	10730.00				MinPt-CtCt
	991.25	249.33	824.52	741.91	5.99		20050.00	10730.00				MinPt-EOU
	975.07	271.10	793.84	703.97	5.42		20830.00	10730.00				MinPt-CtCt
	975.38	271.85	793.65	703.53	5.40		20850.00	10730.00				MinPt-EOU
	975.69	272.20	793.72	703.49	5.40		20860.00	10730.00				MinPt-ADP
	978.75	273.71	795.78	705.04	5.39		20910.00	10730.00				MinPt-SF
	1001.72	275.75	817.39	725.98	5.47		21054.69	10730.00				TD
30-025-40665 - Triste Draw 36 State 2H - MWD to 13691ft (DefinitiveSurvey) - Pass												
	3962.68	32.81	3959.29	3929.88	2800.11		0.00	0.00				Surface
	3962.67	32.81	3959.27	3929.86	2792.21		26.50	26.50				WRP
	3962.51	32.81	3958.54	3929.70	1988.14		200.00	200.00				MinPts
	3961.94	32.81	3951.96	3929.13	495.26		840.00	840.00				MinPts
	3962.47	32.81	3951.43	3929.66	436.88		950.00	949.96				MinPt-EOU
	1063.48	183.12	940.87	880.37	8.78		9920.40	9684.38				MinPt-CtCt
	1063.60	183.41	940.79	880.19	8.76		9940.00	9703.77				MinPts
	1065.46	184.09	942.19	881.37	8.75		10000.00	9763.25				MinPt-SF
	1087.74	176.44	969.57	911.30	9.32		11640.00	10730.00				MinPt-CtCt
	1087.85	176.92	969.36	910.93	9.29		11660.00	10730.00				MinPt-EOU
	1088.04	177.16	969.40	910.88	9.28		11670.00	10730.00				MinPt-ADP
	1088.70	177.63	969.74	911.07	9.26		11690.00	10730.00				MinPt-SF
	1180.91	144.65	1083.97	1036.26	12.36		13690.00	10730.00				MinPt-SF
	1177.24	144.11	1080.66	1033.12	12.37		13870.00	10730.00				MinPt-SF
	1154.42	147.34	1055.69	1007.08	11.86		14650.00	10730.00				MinPt-CtCt
	1154.60	147.85	1055.54	1006.76	11.82		14690.00	10730.00				MinPt-EOU
	1154.83	148.11	1055.59	1006.72	11.80		14710.00	10730.00				MinPt-ADP
	1163.35	156.55	1058.48	1006.80	11.24		15220.00	10730.00				MinPt-CtCt
	1163.64	157.45	1058.18	1006.20	11.18		15250.00	10730.00				MinPt-EOU
	1164.11	158.04	1058.25	1006.06	11.14		15270.00	10730.00				MinPt-ADP
	1199.19	168.38	1086.43	1030.80	10.77		15610.00	10730.00				MinPt-SF
	5566.92	192.66	5437.98	5374.26	43.67		21054.69	10730.00				TD
30-025-42198 - Triste Draw 25 Federal Com 9H - IFR1 to 13793ft (DefinitiveSurvey) - Pass												
	4623.53	32.81	4620.14	4590.72	3267.36		0.00	0.00				Surface
	4623.51	32.81	4620.12	4590.71	3260.03		26.50	26.50				WRP
	4620.77	32.81	4613.79	4587.97	922.15		550.00	550.00				MinPts
	4621.88	32.81	4612.26	4589.07	604.92		840.00	840.00				MinPt-EOU
	5687.31	163.05	5578.07	5524.26	52.83		10000.00	9763.25				MinPt-SF
	1255.59	164.45	1145.46	1091.14	11.54		16830.00	10730.00				MinPt-CtCt
	1256.19	166.00	1145.02	1090.19	11.44		16890.00	10730.00				MinPt-EOU
	1231.11	189.07	1104.57	1042.05	9.83		17900.00	10730.00				MinPt-CtCt
	1225.30	200.62	1091.06	1024.68	9.22		18359.34	10730.00				MinPt-CtCt
	1226.95	204.94	1089.82	1022.01	9.04		18520.00	10730.00				MinPt-EOU
	1228.52	206.84	1090.12	1021.68	8.96		18590.00	10730.00				MinPt-ADP
	1231.72	210.95	1090.59	1020.77	8.81		18750.00	10730.00				MinPt-EOU
	1234.24	214.66	1090.64	1019.59	8.67		18890.00	10730.00				MinPt-EOU
	1235.62	216.32	1090.91	1019.30	8.62		18950.00	10730.00				MinPt-ADP
	1240.86	225.70	1089.89	1015.16	8.29		19300.00	10730.00				MinPt-EOU
	1245.88	236.47	1087.73	1009.40	7.94		19690.00	10730.00				MinPt-EOU
	1252.55	249.69	1085.59	1002.86	7.56		20160.00	10730.00				MinPt-EOU
	1253.74	251.14	1085.81	1002.60	7.52		20210.00	10730.00				MinPt-ADP
	1257.52	255.12	1086.93	1002.39	7.43		20350.00	10730.00				MinPt-ADP
	1276.62	267.74	1097.63	1008.88	7.18		20790.00	10730.00				MinPt-ADP
	1284.46	272.02	1102.61	1012.44	7.11		20950.00	10730.00				MinPt-SF
	1298.91	273.68	1115.96	1025.23	7.15		21054.69	10730.00				TD
30-025-43998 - Triste Draw 25 Federal 12H - IFR1 to 14078ft (DefinitiveSurvey) - Pass												
	4539.23	32.81	4535.84	4506.43	3207.03		0.00	0.00				Surface
	4539.19	32.81	4535.79	4506.38	3191.97		26.50	26.50				WRP
	4531.38	32.81	4521.02	4498.58	540.46		880.00	879.99				MinPts
	4531.70	32.81	4520.66	4498.90	499.89		950.00	949.96				MinPt-EOU
	5116.19	89.91	5055.72	5026.29	86.89		5420.00	5310.45				MinPt-ADP
	5823.01	165.31	5712.27	5657.70	53.34		10300.00	10062.38				MinPt-SF
	1242.92	185.48	1118.76	1057.43	10.12		16960.00	10730.00				MinPt-CtCt
	1243.42	186.87	1118.34	1056.56	10.05		17020.00	10730.00				MinPt-EOU
	1244.00	187.55	1118.47	1056.45	10.02		17050.00	10730.00				MinPt-ADP
	1247.49	190.96	1119.68	1056.53	9.86		17250.00	10730.00				MinPt-EOU
	1248.27	191.91	1119.83	1056.36	9.82		17290.00	10730.00				MinPt-ADP
	1250.63	200.16	1116.69	1050.47	9.43		17720.00	10730.00				MinPt-CtCt
	1251.22	202.15	1115.95	1049.07	9.34		17800.00	10730.00				MinPt-EOU
	1247.88	209.05	1108.01	1038.83	9.01		18140.00	10730.00				MinPt-CtCt
	1247.51	213.20	1104.88	1034.31	8.83		18330.00	10730.00				MinPt-CtCt
	1248.18	215.52	1104.00	1032.66	8.74		18420.00	10730.00				MinPt-EOU
	1249.07	216.56	1104.19	1032.51	8.70		18460.00	10730.00				MinPt-ADP
	1249.65	217.07	1104.43	1032.57	8.68		18480.00	10730.00				MinPt-SF
	1248.14	221.17	1100.20	1026.98	8.51		18680.00	10730.00				MinPt-CtCt
	1250.17	227.46	1098.03	1022.71	8.29		18930.00	10730.00				MinPt-EOU
	1238.63	249.64	1071.70	988.98	7.48		19827.03	10730.00				MinPt-CtCt
	1239.48	252.21	1070.83	987.26	7.41		19920.00	10730.00				MinPt-EOU
	1240.41	253.31	1071.04	987.11	7.38		19960.00	10730.00				MinPt-ADP
	1240.99	266.95	1062.52	974.04	7.00		20490.00	10730.00				MinPt-CtCt
	1241.68	269.23	1061.70	972.46	6.95		20570.00	10730.00				MinPt-EOU
	1242.36	270.06	1061.82	972.30	6.93		20600.00	10730.00				MinPt-ADP

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1246.68	276.63	1061.76	970.05	6.79		20850.00	10730.00				MinPt-EOU
	1246.90	276.94	1061.78	969.97	6.78		20860.00	10730.00				MinPt-ADP
	1252.54	279.26	1065.87	973.28	6.76		20950.00	10730.00				MinPt-SF
	1267.14	280.89	1079.37	986.24	6.79		21054.69	10730.00				TD
30-025-43997 - Triste Draw 25 Federal 11H - IFR1 to 13774ft (DefinitiveSurvey) - Pass												
	4623.53	32.81	4620.14	4590.72	3267.37		0.00	0.00				MinPts
	4623.55	32.81	4620.15	4590.74	3264.80		26.50	26.50				WRP
	4625.20	32.81	4619.92	4592.39	1401.52		400.00	400.00				MinPt-EOU
	4626.27	32.81	4616.70	4593.46	609.15		830.00	830.00				MinPts
	4626.62	32.81	4616.42	4593.81	562.88		900.00	899.99				MinPt-EOU
	5718.79	160.08	5611.53	5558.71	54.12		10000.00	9763.25				MinPt-SF
	1340.08	177.28	1221.39	1162.79	11.42		17120.00	10730.00				MinPt-CtCt
	1336.76	187.28	1211.41	1149.48	10.78		17585.93	10730.00				MinPt-CtCt
	1337.41	189.31	1210.71	1148.11	10.67		17660.00	10730.00				MinPt-EOU
	1341.07	197.89	1208.64	1143.18	10.23		18020.00	10730.00				MinPt-EOU
	1343.41	200.65	1209.14	1142.76	10.11		18130.00	10730.00				MinPt-ADP
	1340.40	209.09	1200.51	1131.31	9.67		18490.00	10730.00				MinPt-CtCt
	1341.58	212.80	1199.21	1128.78	9.51		18630.00	10730.00				MinPt-EOU
	1342.72	214.17	1199.44	1128.55	9.46		18680.00	10730.00				MinPt-ADP
	1351.59	226.85	1199.86	1124.74	8.99		19180.00	10730.00				MinPt-CtCt
	1352.26	228.89	1199.16	1123.36	8.91		19250.00	10730.00				MinPt-EOU
	1353.18	230.04	1199.32	1123.14	8.87		19290.00	10730.00				MinPt-ADP
	1353.92	234.57	1197.04	1119.35	8.70		19470.00	10730.00				MinPt-CtCt
	1355.14	238.25	1195.81	1116.89	8.58		19600.00	10730.00				MinPt-EOU
	1356.75	240.20	1196.11	1116.54	8.52		19670.00	10730.00				MinPt-ADP
	1362.74	246.88	1197.66	1115.87	8.32		19920.00	10730.00				MinPt-EOU
	1364.05	249.44	1197.26	1114.61	8.24		20020.00	10730.00				MinPt-CtCt
	1365.16	252.89	1196.06	1112.27	8.14		20140.00	10730.00				MinPt-EOU
	1366.77	254.87	1196.36	1111.90	8.08		20210.00	10730.00				MinPt-ADP
	1370.48	262.35	1195.08	1108.12	7.87		20480.00	10730.00				MinPt-EOU
	1372.25	264.37	1195.50	1107.87	7.82		20550.00	10730.00				MinPt-ADP
	1396.78	276.30	1212.09	1120.49	7.62		20980.00	10730.00				MinPt-SF
	1406.99	277.62	1221.42	1129.38	7.64		21054.69	10730.00				TD
30-025-41150-0100 - Triste Draw 25 Federal 3H ST01 - MWD to 15359ft - A (DefinitiveSurvey) - Pass												
	4376.76	32.81	4373.36	4343.95	3092.90		0.00	0.00				MinPts
	4376.83	32.81	4373.44	4344.02	3091.32		26.50	26.50				WRP
	4386.40	32.81	4377.69	4353.59	651.52		740.00	740.00				MinPt-EOU
	4387.17	32.81	4377.66	4354.36	582.31		820.00	820.00				MinPt-EOU
	1458.27	211.53	1316.75	1246.74	10.40		16285.01	10730.00				MinPt-CtCt
	1458.63	212.53	1316.44	1246.10	10.36		16320.00	10730.00				MinPt-EOU
	1458.86	212.81	1316.49	1246.06	10.35		16330.00	10730.00				MinPt-ADP
	1492.15	235.61	1334.57	1256.54	9.55		17370.00	10730.00				MinPt-CtCt
	1493.14	238.47	1333.66	1254.67	9.44		17480.00	10730.00				MinPt-EOU
	1471.34	299.98	1270.85	1171.36	7.39		19310.00	10730.00				MinPt-CtCt
	1472.93	305.64	1268.67	1167.29	7.26		19470.00	10730.00				MinPt-EOU
	1474.64	307.69	1269.01	1166.95	7.22		19530.00	10730.00				MinPt-ADP
	1476.20	363.44	1233.40	1112.76	6.11		20830.00	10730.00				MinPt-CtCt
	1476.28	363.85	1233.21	1112.43	6.11		20850.00	10730.00				MinPt-EOU
	1476.42	364.03	1233.23	1112.39	6.10		20860.00	10730.00				MinPt-ADP
	1478.14	364.77	1234.46	1113.37	6.10		20910.00	10730.00				MinPt-SF
	1492.56	365.19	1248.60	1127.37	6.15		21054.69	10730.00				TD

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

ACKNOWLEDGMENTS

Action 548631

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 548631
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☒	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 548631

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 548631
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
cdenson	Cement is required to circulate on both surface and intermediate1 strings of casing.	1/30/2026
matthew.gomez	If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If a CBL is unable to indicate sufficient cement coverage due to a lighter cement, a USI log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	2/11/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	2/11/2026
matthew.gomez	Cement must be in place for at least eight hours and achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.	2/11/2026
matthew.gomez	All request to skid the rig must first be approved by the OCD via a form C-103A notice of intent.	2/11/2026
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	2/11/2026
matthew.gomez	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	2/11/2026
matthew.gomez	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	2/11/2026
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	2/11/2026