



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
- Operator Certification Report
- Application Report
- Application Attachments
 - Well Plat: 1 file(s)
- Drilling Plan Report
- Drilling Plan Attachments
 - Blowout Prevention Choke Diagram Attachment: 4 file(s)
 - Blowout Prevention BOP Diagram Attachment: 1 file(s)
 - Casing Taperd String Specs: 2 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: 4 file(s)
 - Other Facets: 3 file(s)
 - Other Variances: 3 file(s)
- SUPO Report
- SUPO Attachments
 - Existing Road Map: 1 file(s)
 - New Road Map: 1 file(s)
 - Attach Well map: 1 file(s)
 - Production Facilities map: 1 file(s)
 - Water source and transportation map: 1 file(s)
 - 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, 2027

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

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER 1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other 1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No.
2. Name of Operator		9. API Well No. 30-025-55923
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish 13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

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

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
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). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
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)

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 / 2325 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257426 / LONG: -103.629348 (TVD: 0 feet, MD: 0 feet)
PPP: SESW / 100 FSL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254218 / LONG: -103.629394 (TVD: 10757 feet, MD: 10857 feet)
PPP: NWNW / 1319 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.279357 / LONG: -103.628928 (TVD: 11350 feet, MD: 19156 feet)
PPP: NENW / 0 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268456 / LONG: -103.629403 (TVD: 11350 feet, MD: 16366 feet)
BHL: NENW / 100 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.282708 / LONG: -103.629412 (TVD: 11350 feet, MD: 21551 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 302H

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 301H
ATS/API ID:	ATS-24-426
APD ID:	10400095866
Sundry ID:	N/a

WELL NAME & NO.:	Triste Draw 36-25 Federal Com 302H
ATS/API ID:	ATS-24-425
APD ID:	10400095870
Sundry ID:	N/a

COA

H2S	Yes		
Potash		None	
Cave/Karst Potential	Low		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	Conventional and Multibowl		
Other	<input type="checkbox"/> 4 String <input type="checkbox"/> 5 String	Capitan Reef None	<input type="checkbox"/> WIPP
Other	Pilot Hole None	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	<input type="checkbox"/> BOPE Break Testing <input type="checkbox"/> Offline BOPE Testing	<input type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> 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 **10-3/4** inch surface casing shall be set at approximately **1550 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 **14 3/4** 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.

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.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

2. The minimum required fill of cement behind the **7-5/8** 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 **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7-5/8** 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 **10-3/4** 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.

Casing Clearance

Operator casing variance is approved for the utilization of 5-1/2 inch P-110 **from** base of curve and a minimum of 500 feet or the minimum tie-back requirement above, whichever is greater into the previous casing shoe.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are less than 0.5 micron before cementing.

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



Operator Certification Data Report

11/12/2025

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

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: 10400095870

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: 302H

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - General

APD ID: 10400095870

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? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

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: 302H

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: 302H

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: 320 Acres

Well plat: Triste_Draw_36_25_302H_C102_20231115153338.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	2325	FWL	23S	32E	36	Aliquot SESW	32.257426	-103.629348	LEA	NEW MEXICO	NEW MEXICO	S	STATE	3658			N
KOP Leg #1	100	FSL	2310	FWL	23S	32E	36	Aliquot SESW	32.254218	-103.629394	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-7099	10857	10757	N
PPP Leg #1-1	100	FSL	2310	FWL	23S	32E	36	Aliquot SESW	32.254218	-103.629394	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-7099	10857	10757	N

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

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	2310	FWL	23S	32E	36	Aliquot NENW	32.268456	-103.629403	LEA	NEW MEXICO	NEW MEXICO	F	NMLC063228	-7692	16366	11350	N
PPP Leg #1-3	1319	FNL	2310	FWL	23S	32E	25	Aliquot NWNW	32.279357	-103.628928	LEA	NEW MEXICO	NEW MEXICO	S	STATE	-7692	19156	11350	N
EXIT Leg #1	100	FNL	2310	FWL	23S	32E	36	Aliquot NENW	32.282708	-103.629412	LEA	NEW MEXICO	NEW MEXICO	F	NMNM86154	-7692	21551	11350	Y
BHL Leg #1	100	FNL	2310	FWL	23S	32E	36	Aliquot NENW	32.282708	-103.629412	LEA	NEW MEXICO	NEW MEXICO	F	NMNM86154	-7692	21551	11350	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

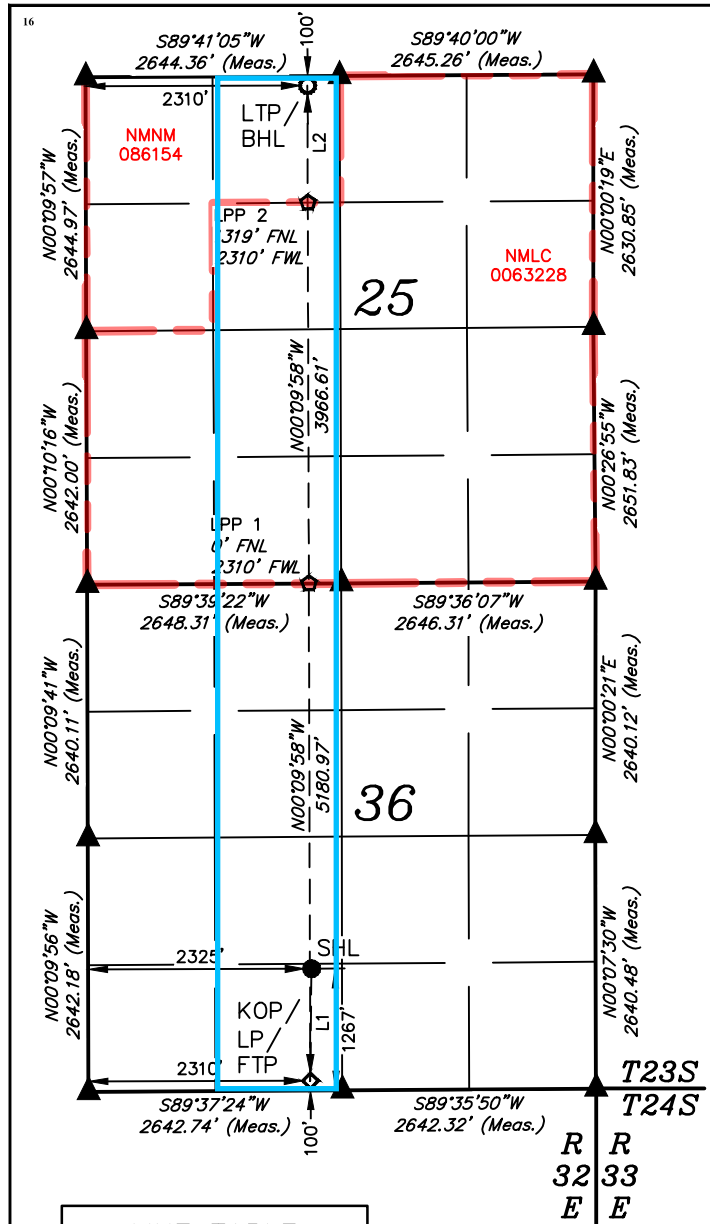
WELL LOCATION AND ACREAGE DEDICATION PLAT

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	
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁶ Well Number 302H ⁹ Elevation 3658.1'

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 2325	East/West line WEST	County LEA

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. C	Section 25	Township 23S	Range 32E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2310	East/West line WEST	County LEA
¹² Dedicated Acres 320	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.



NAD 83 (SURFACE HOLE LOCATION) LATITUDE = 32°15'26.73" (32.257426°) LONGITUDE = -103°37'45.65" (-103.629348°)
NAD 27 (SURFACE HOLE LOCATION) LATITUDE = 32°15'26.29" (32.257302°) LONGITUDE = -103°37'43.92" (-103.628867°)
STATE PLANE NAD 83 (N.M. EAST) N: 458098.19' E: 758954.87'
STATE PLANE NAD 27 (N.M. EAST) N: 458039.04' E: 717771.14'
NAD 83 (KOP/LP/FTP) LATITUDE = 32°15'15.18" (32.254218°) LONGITUDE = -103°37'45.82" (-103.629394°)
NAD 27 (KOP/LP/FTP) LATITUDE = 32°15'14.74" (32.254094°) LONGITUDE = -103°37'44.09" (-103.628913°)
STATE PLANE NAD 83 (N.M. EAST) N: 456931.08' E: 758948.32'
STATE PLANE NAD 27 (N.M. EAST) N: 456871.97' E: 717764.56'
NAD 83 (LPP 1) LATITUDE = 32°16'06.44" (32.268456°) LONGITUDE = -103°37'45.85" (-103.629403°)
NAD 27 (LPP 1) LATITUDE = 32°16'06.00" (32.268333°) LONGITUDE = -103°37'44.12" (-103.628922°)
STATE PLANE NAD 83 (N.M. EAST) N: 462111.00' E: 758911.59'
STATE PLANE NAD 27 (N.M. EAST) N: 462051.74' E: 717727.97'
NAD 83 (LPP 2) LATITUDE = 32°16'45.69" (32.279357°) LONGITUDE = -103°37'45.88" (-103.629410°)
NAD 27 (LPP 2) LATITUDE = 32°16'45.24" (32.279234°) LONGITUDE = -103°37'44.14" (-103.628928°)
STATE PLANE NAD 83 (N.M. EAST) N: 466076.81' E: 758883.47'
STATE PLANE NAD 27 (N.M. EAST) N: 466017.44' E: 717699.95'
NAD 83 (LTP/BHL) LATITUDE = 32°16'57.75" (32.282708°) LONGITUDE = -103°37'45.88" (-103.629412°)
NAD 27 (LTP/BHL) LATITUDE = 32°16'57.30" (32.282585°) LONGITUDE = -103°37'44.15" (-103.628930°)
STATE PLANE NAD 83 (N.M. EAST) N: 467295.78' E: 758874.82'
STATE PLANE NAD 27 (N.M. EAST) N: 467236.37' E: 717691.34'

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

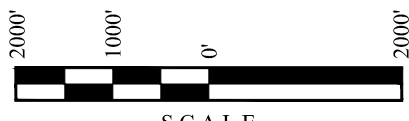
¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
September 15, 2023
Date of Survey
Signature and Seal of Professional Surveyor:



LINE	DIRECTION	LENGTH
L1	S00°33'42"W	1167.33'
L2	N00°09'58"W	1219.21'

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)

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



SCALE
DRAWN BY: D.J.S. 09-28-23

Certificate Number:



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

Drilling Plan Data Report

11/12/2025

APD ID: 10400095870

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: 302H

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
15523387	RUSTLER	0	1238	1238	ANHYDRITE	USEABLE WATER	N
15523388	TOP SALT	-1731	1731	1731	HALITE	NONE	N
15523389	LAMAR	-5036	5036	5077	LIMESTONE	NONE	N
15523390	BELL CANYON	-5087	5087	5129	SANDSTONE	NATURAL GAS, OIL	Y
15523391	CHERRY CANYON	-5940	5940	5995	SANDSTONE	NATURAL GAS	Y
15523392	BRUSHY CANYON	-7318	7318	7394	SANDSTONE	NATURAL GAS, OIL	Y
15523393	BONE SPRING LIME	-8850	8850	8949	LIMESTONE	NONE	N
15523394	AVALON SAND	-9033	9033	9132	SHALE	NATURAL GAS, OIL	Y
15523395	BONE SPRING 1ST	-10050	10050	10149	SANDSTONE	NATURAL GAS, OIL	Y
15523396	BONE SPRING 2ND	-10632	10632	10731	SANDSTONE	NATURAL GAS, OIL	Y
15523397	BONE SPRING 3RD	-11115	11115	11243	OTHER : Carbonate	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 10M

Rating Depth: 11350

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: 302H

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

Choke Diagram Attachment:

CHOKE_MANIFOLD_DIAGRAM_10M_20240716122434.pdf

COTERRA_10M_MBU_3T_CFL_10.34_X_7.58_X_5.5_20240716122434.pdf

CIMAREX_10K_PROD_TREE_10M_20240716122435.pdf

CHOKE_HOSE_M15486_20250415085601.pdf

BOP Diagram Attachment:

BOP_DIAGRAM_10M_20240716122443.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	14.75	10.75	NEW	API	N	0	1288	0	1288	3658	2370	1288	J-55	40	BUTT	2.83	5.61	DRY	12.06	DRY	12.06
2	PRODUCTI ON	6.75	5.5	NEW	API	Y	0	10807	0	10807	3658	-7149	10807	L-80	23	LT&C	2.03	1.79	DRY	2.39	DRY	2.39
3	INTERMED IATE	9.875	7.625	NEW	API	N	0	11607	0	11310	3658	-7652	11607	L-80	29.7	BUTT	2.71	1.3	DRY	1.98	DRY	1.98
4	PRODUCTI ON	6.75	5.0	NEW	API	Y	10807	21551	10807	11350	-7149	-7692	10744	P-110	18	BUTT	2.33	2.35	DRY	29.34	DRY	59.34

Casing Attachments

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Spec_Sheet_for_Tapered_Prod_5.5_23__P110RY_20240716123100.pdf

Casing Design Assumptions and Worksheet(s):

Casing ID: 3 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Triste_Draw_302H_Casing_Assumptions_20240716122846.pdf

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Casing Attachments

Casing ID: 4 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

5.0_in_18.00_Tapered_Prod_Spec_Sheet_20240716123149.pdf

Casing Design Assumptions and Worksheet(s):

Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Lead		0	0	0	0	0	0	0		0
PRODUCTION	Tail		1140 7	2155 1	1385	1.3	14.8	1800	25	Class C	Retarder
SURFACE	Lead		0	988	500	1.72	13.5	860	45	Class C	Bentonite
SURFACE	Tail		988	1288	134	1.34	14.8	179	45	Class C	LCM
INTERMEDIATE	Lead		0	1060 7	908	3.64	12.9	3305	51	36:65 (Poz c)	Salt, Bentonite
INTERMEDIATE	Tail		1060 7	1160 7	198	1.36	14.8	269	51	Class C	LCM

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

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
0	1288	OTHER : Fresh water	7.83	8.33							
1288	1160 7	OTHER : Brine water	8.5	9							
1160 7	2155 1	OTHER : Cut brine or OBM	9.3	9.8							

Section 6 - Test, Logging, Coring

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

NO DST. Logs will be run on 351H.

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

DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 5783

Anticipated Surface Pressure: 3285

Anticipated Bottom Hole Temperature(F): 182

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_20240716123754.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

302H_Directional_100_20240716123916.pdf

302H_AC_Summary_20240716123916.pdf

302H_Well_Plan_20240716123916.pdf

302H_Drilling_Plan_updated_06132024_20240716123924.pdf

Other proposed operations facets description:

Other proposed operations facets attachment:

Triste_Draw_36_25_Federal_Com_Location_Layout_Plat_20231115135509.pdf

Triste_Draw_36_25_Federal_Com_Well_Site_Layout_20231115135509.pdf

Triste_Draw_36_25_Federal_Com_302H_Natural_Gas_Plan_Cimarex_20231116075925.pdf

Other Variance request(s)?: Y

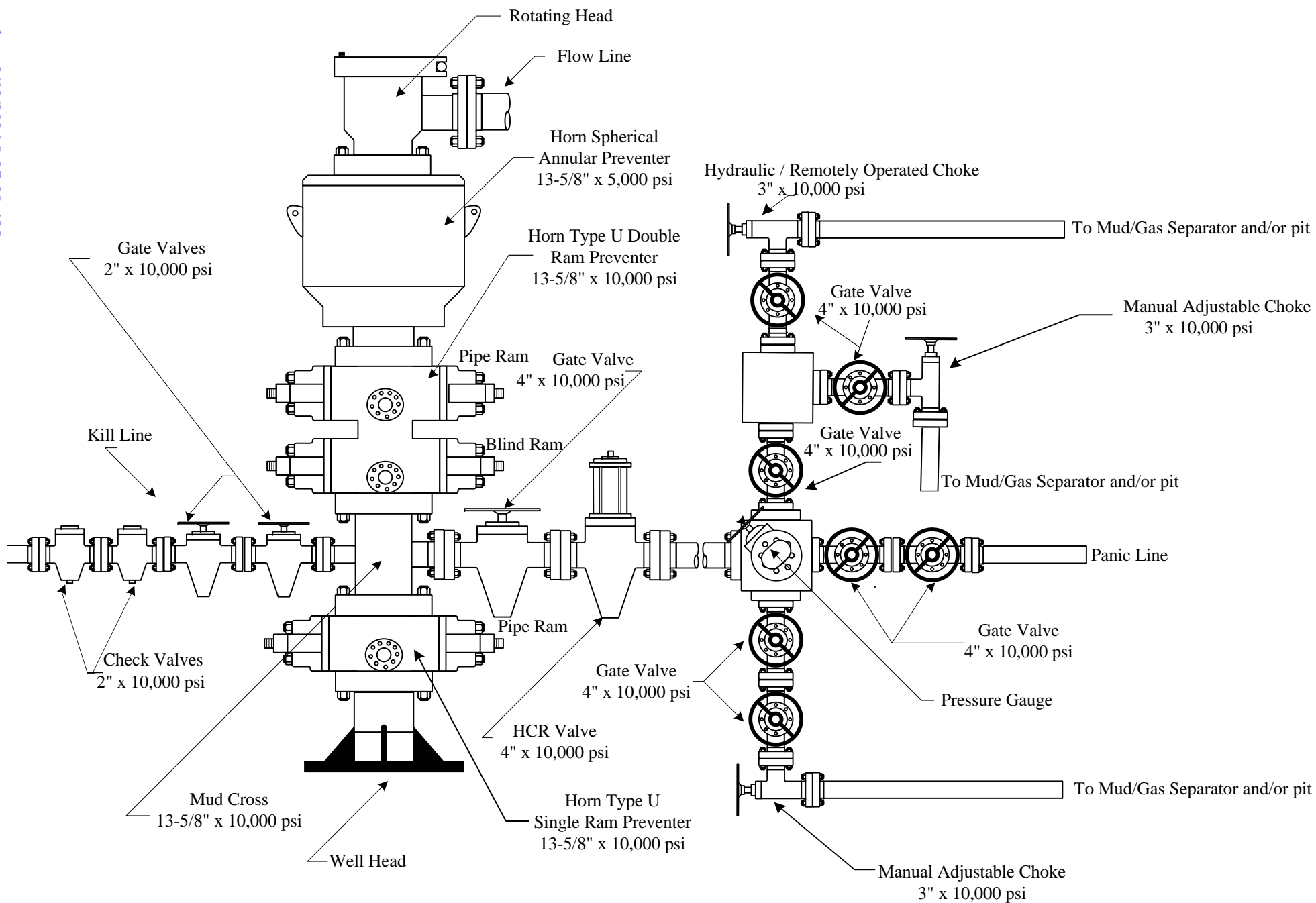
Other Variance attachment:

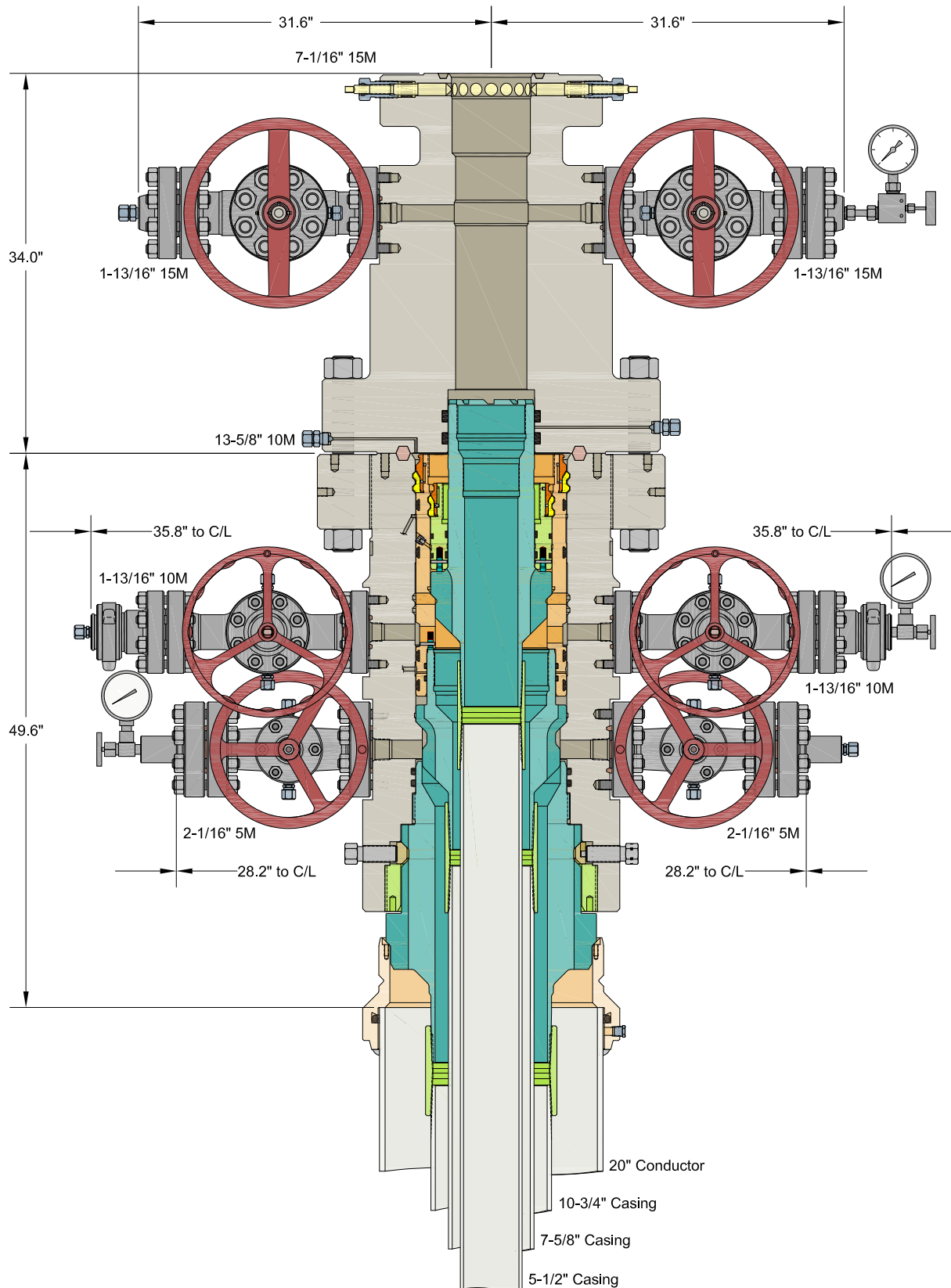
NEW_MEXICO_STANDARD_VARIANCES_REV.1_20240716123953.pdf

WELL_CONTROL_PLAN_REV.0_20240716123953.pdf

CHOKE_HOSE_M15486_20250415090101.pdf

CONFIDENTIAL





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

ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

COTERRA ENERGY INC
HOBBS, NM

20" x 10-3/4" x 7-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And 7-5/8" & 5-1/2" Mandrel Casing Hangers

DRAWN	VJK	07JUL23
APPRV		
DRAWING NO.	HBE0000965	



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
Valid For 30 Days

Page 1 of 8

Bill To: 7035

COTERRA ENERGY INC
PO BOX 4544
Attn: GULF COAST OFFICE
HOUSTON TX 77210
US

Ship To: 0

COTERRA ENERGY INC
PO BOX 4544
Attn: GULF COAST OFFICE
HOUSTON TX 77210
US

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

COTERRA ENERGY INC
DAVID SHAW

HOBBS, NM

MBU-3T-CFL-R SAFEDRILL® WELLHEAD SYSTEM
20" X 10-3/4" X 7-5/8" X 5-1/2"

QUOTATION SUMMARY:

- MBU-3T-CFL ASSEMBLY - \$29,839.64
- CASING HANGERS & PACKOFFS - \$12,581.24
- TUBING HEAD ASSEMBLY - \$19,367.17

CACTUS CONTACT:
RILEY STAFFORD
OFFICE: 405.708.7217
MOBILE: 405.445.2222
EMAIL: riley.stafford@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 PRO RATA FREIGHT AND OTHER APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
 Valid For 30 Days

Page 2 of 8

		Quantity	Price	Ext Price
MBU-3T-CFL ASSEMBLY				
1	122079P2 HSG,CW,MBU-3T-CFL-R-DBLO-SF,13-3/8,13-5/8 10M,W/TWO 1-13/16 10M FP UPR & TWO 2-1/16 5M FP LWR,W/O 13-5/8 10M THD FLG,6A-PU-AA-2-2	1.00	12,026.00	12,026.00
2	126808P2 HSG,CW,MBU-3T-CFL-R-DBLO-SF,13-3/8,13-5/8 10M,W/TWO 1-13/16 10M FP UPR & TWO 2-1/16 5M FP LWR,W/O 13-5/8 10M THD FLG,TEMP PU,MATL EE,PSL2,PR2	0.00	12,168.80	0.00
3	110578 FLG,THD,13-5/8 10M W/21.750-2 STUB ACME-2G L.H. BOX THD,31.00 OD,4130 75K & I/T @ -75 DEG F	1.00	2,590.00	2,590.00
4	120455 LANDING RING,CW,CTF/MBU-T/3T,20 SOW X 20 SN X 18.13 ID,750K MAX LOAD CAPACITY	1.00	2,789.92	2,789.92
5	130791 CSGHGR,CW,MBU-3T-CFL-R,13-3/8,10-3/4 (40.5#) BC PIN BTM X 14.000-2 STUB ACME-2G LEFT HAND PIN TOP,10.040 MIN BORE,4140 110K,TEMP U,MATL AA,PSL2,PR2 NOTE: ACCEPTABLE FOR USE WITH 10-3/4 (45.5#) BC J/K-55 CASING	1.00	3,990.00	3,990.00
6	133772 VLV,AOZE,GEN,M-EXP-FB,2-1/16 3/5M FE DD (6A LU DD PSL2 PR1) QPQ TRIM & 4130 STEM	2.00	950.00	1,900.00
7	200002 FLG,COMP,CW,2-1/16 5M X 2 LP,6A-KU-EE-1	2.00	120.00	240.00
8	BP2T BULL PLUG,CW,2 LP X 1/2 NPT,API 6A DD	2.00	42.48	84.96
9	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
10	R24 RING GASKET,R24,2-1/16 3/5M	4.00	8.82	35.28
11	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	16.00	14.70	235.20
12	107412MV VLV,CW,SB100,1-13/16 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)	2.00	2,017.00	4,034.00
13	122007 ADPT,CW,CFH,1-13/16 10M X 2 FIG 1502 X 1/2 NPT,NACE SVC,TEMP PU, PSL2	2.00	685.00	1,370.00
14	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
15	BX151 RING GASKET,BX151,1-13/16 10/15/20M	4.00	12.77	51.08



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
 Valid For 30 Days

Page 3 of 8

		Quantity	Price	Ext Price
16	780080-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,3/4-10UNC X 5-1/2,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	16.00	9.13	146.08
17	NVA NEEDLE VALVE,MFA,1/2 10M	2.00	55.58	111.16
18	PG5M PRESSURE GAUGE,5M,4-1/2 FACE,LIQUID FILLED,1/2 NPT	1.00	58.24	58.24
19	PG10M PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT	1.00	58.24	58.24
20	132804 RISER ADPT,CW,LRA,20.12 DBLO X 20 SOW TOP X 19.5 ID,8.5 LG,W/8 1-8 UNC-2B TAP HOLES,5.00 DEEP PKT W/1/2 ORINGS & 1/2 NPT TEST PORT,300 PSI MAX WP,A/F 20.12 LANDING RING	0.00	8,024.00	0.00

NOTE: THE AFOREMENTIONED ITEM IS A ONE TIME CHARGE PER RIG; PRICE NOT INCLUDED IN THE TOTAL.

29,839.64

CASING HANGERS & PACKOFFS

21	130916 CSGHGR,CW,MBU-3T-LWR-TP8,FLUTED,13-5/8 X 7-5/8 (29.7#) BC PIN BTM X 10.250-4 STUB ACME-2G RIGHT HAND BOX TOP,W/11-1/2 OD NECK,4140 110K,TEMP U,MATL AA,PSL2,PR2	1.00	2,075.00	2,075.00
22	130570 PACKOFF,CW,MBU-3T,MANDREL,13-5/8 NESTED X 11,W/11.250-4 STUB ACME-2G LH BOX TOP W/RUPTURE DISK & DEEPER GALLERY,4140 110K,STD SVC,NON-NACE	1.00	4,006.24	4,006.24
23	137978 CSGHGR,CW,MBU-3T-TP8-UPR,SN,7-5/8,FLUTED,11 NESTED X 5-1/2 (23#) BK-HT PIN BTM X 6.125-4 STUB ACME-2G RIGHT HAND BOX TOP & 5 HBPV THD,SPEC FOR ROTATING CASING STRING,4140 125K,TEMP U,MATL AA,PSL3,PR2	1.00	4,550.00	4,550.00
24	131863 RUN TOOL,CW,CSGHGR,TP8,6.125-4 STUB ACME-2G RIGHT HAND PIN BTM X 5-1/2 (23#) BK-HT BOX TOP,W/4.654 MIN BORE & MAX LOAD CAPACITY 580K,MAX TORQUE 33000 FT-LBS,SPEC FOR ROTATING CASING STRING,4140 125K	0.00	5,728.80	0.00

NOTE:MAX CASING CONNECTION TORQUE PER THREADERS SPEC

25	115867 PACKOFF,CW,CTF-MBU-3T,11,A/F 7.75 SEAL PREP,W/8.750-4 STUB ACME-2G LH BOX TOP,A/F LANDING ON 45 DEG SHOULDER ON HANGER,4130 80K,NACE SVC,PSL2	1.00	1,950.00	1,950.00
----	---------------------------------------------------------------------------------------------------------------------------------------------------------	------	----------	----------

12,581.24

RENTAL TOOLS

26	AR4 3T-CFL DT 10-3/4 X 7-5/8 X 5-1/2 MAN MBU-3T-R RENTAL TOOLS = \$2,250.00 PER WELL FOR THE FIRST 45 DAYS; \$195.00 PER DAY THEREAFTER	0.00	2,250.00	0.00
----	-----------------------------------------------------------------------------------------------------------------------------------------------	------	----------	------

RENTAL TOOLS INCLUDE THE FOLLOWING ITEMS:

PN 119126: LIFT RING,CSGHGR,CFL-R,W/14.000-2 STUB ACME-2G LEFT HAND THDS,4140 110K

PN 121275: RUN TOOL,CW,CSGHGR,MBU-3T-CFL-R,10-3/4 BC BOX TOP X 14.000-2 STUB ACME-2G LH BOX LANDING



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
 Valid For 30 Days

Page 4 of 8

	Quantity	Price	Ext Price
THD,10.00 MIN BORE			
PN 118178: TORQUE COLLAR,CW,CSGHGR,MBU-3T-CFL-R,F/16 NECK,4140 110K			
PN 104467: COMB TEST PLUG/RET TOOL,CW,13-5/8 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS & SPRING LOADED DOGS			
PN 122539: WBUSH,CW,MBU-3T,LWR,13-5/8 X 10. 00 ID X 27.0 LG,W/3/8 UPR ORING & W/O 2.38 GROOVE			
PN 121602: RUN TOOL,CW,CSGHGR,TP4,13-5/8 X 7-5/8 BC BOX TOP,10.250-4 STUB ACME-2G RIGHT HAND PIN BTM,MAX LOAD CAPACITY 1000K,MAX TORQUE 18000FT-LBS,SPEC FOR ROTATING CASING STRING			
PN 118906: TORQUE COLLAR,CW,F/USE W RUN TOOL,TP,10.250-4 STUB ACME-2G RIGHT HAND PIN BTM AND A/F 11.50 OD X 5.00 LG BOX HGR NECK,MAXIMUM TORQUE 48000 LBF-FT			
PN 106277: WASH TOOL,CW,MBU-3T-LR,MBS2 & FLUTED,13-5/8 X 4-1/2 IF (NC50) BOX TOP THD,W/BRUSHES			
PN 119451: RUN TOOL,CW,PACKOFF,MBU-3T-UPR,13-5/8 STACK,W/11.250-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP,W/3/8 BALL BEARINGS			
PN 125190: TEST PLUG,CW,MBU-3T INNER,11 X 4-1/2 IF (NC50) BOX BTM & TOP,W/1-1/4 LP BYPASS			
PN 123959: WBUSH,CW,MBU-3T(-ONE),UPR,NESTED,13-5/8 X 11 X 7.00 ID X 20.0 LG,A/F 13-5/8 RET TOOL,W/1/4 DRILL HOLES			
PN 117319: TORQUE COLLAR,CW,CSGHGR,F/USE W/7.62 OD X 15.38 LG BOX HGR NECK AND 10.83 OD RUNNING TOOL,MAXIMUM TORQUE 35000 LBF-FT			
PN 103164: WASH TOOL,CW,CSGHGR,MBU-2LR/MBS2-R (3T),FLUTED,11 X 4-1/2 IF (NC50) BOX TOP THDS,FAB,200 PSI MAX WP			
PN 117306: RUN TOOL,CW,PACKOFF,MBU-3T-SN,7-5/8,W/8.750-4 STUB ACME-2G LEFT HAND PIN BTM X 4-1/2 IF (NC50) BOX TOP,W/BALL BEARINGS			
PN 116240: SUB,CROSSOVER,CW,5 HBPV PIN THD BTM X 4-1/2 IF (NC50) BOX TOP,18.0 LG,4140 110K			
NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGED BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.			

0.00

SAFEDRILL® DRILLING ADAPTER

27	8Q	13 10M X 13 10M CQC ADPT (45D)	0.00	1,700.00	0.00
SAFEDRILL® DRILLING ADAPTER RENTAL PACKAGE = \$1,700.00 PER WELL FOR THE FIRST 45 DAYS; \$65.00 PER DAY THEREAFTER.					

RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:

PN 116966: ADPT,DRLG,CW,MBU-3T,13-5/8 10M QUICK CONNECT BTM X 13-5/8 10M STD TOP,TEMP RATING PU

PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD

NOTE: CUSTOMER RESPONSIBLE FOR LOST, DAMAGED, OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL



Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
 Valid For 30 Days

			Quantity	Price	Ext Price
CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSORIES FOR ASSEMBLY ARE NOT INCLUDED IN RENTAL RATE.					
					0.00
7-5/8" OFFLINE CEMENT					
28	50	3T OLC - 7-5/8 RT DAILY RENTAL	0.00	950.00	0.00
MBU-3T - 7-5/8" OFFLINE CEMENTING RENTAL PACKAGE = \$950.00 PER WELL					
RENTAL TOOLS CONSIST OF THE FOLLOWING ITEMS:					
PN 133817: CEMENT TOOL,CW,CSGHGR/PACKOFF,MBU-3T-LWR-OLC,NESTED,7-5/8 BC PIN TOP,W/11.250-4 STUB ACME-2G LH PIN THD HOLD DOWN RING,6.964 MIN BORE,5000 PSI MAX WP,4140 125K					
PN 124993: CIRCULATION PLUG,CW,CTF/MBU-3T,11 NOM,W/ONE WAY 3 HBPV,6A-U-AA-1-1					
PN 107010: RUN TOOL,CW,PACKOFF,MBU-LR-LWR,11 X 3-1/2 IF (NC38) BTM & TOP,W/7.500-4 STUB ACME-2G LH PIN BTM					
NOTE: CUSTOMER RESPONSIBLE FOR LOST OR DAMAGE BEYOND REPAIR TOOLS. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT.					
					0.00
SAFEDRILL® TA CAP					
29	7T	13 10M CQC TA CAP (90D)	0.00	1,300.00	0.00
SAFEDRILL® TA CAP RENTAL PACKAGE = \$1,300.00 PER WELL FOR THE FIRST 90 DAYS; \$85.00 PER DAY THEREAFTER.					
PN 117347: TA CAP,CW,MBU-3T-HPS,9,13-5/8 10M QUICK CONNECT,W/ONE 1-13/16 10M FP,VR THD & 1/2 NPT PORT,6A-U-AA-1-1					
PN 108499: SECSEAL,CW,TA-HPS,9 X 7-5/8 X 4.31 LG,W/7.731 BORE,6A-U-AA-1-1					
PN 116992: HUB,CW,THD,MBU-3T,13-5/8 10M,W/21.750-2 STUB ACME-2G L.H. BOX THD					
NOTE: CUSTOMER IS RESPONSIBLE FOR LOST, DAMAGED OR BEYOND REPAIR RENTAL EQUIPMENT. RENTAL CHARGES MAY NOT BE APPLIED TO THE PURCHASE PRICE OF EQUIPMENT. ACCESSORIES FOR ASSEMBLY ARE NOT INCLUDED IN RENTAL RATE.					
					0.00
TUBING HEAD ASSEMBLY					
30	126002-21MG		1.00	11,108.00	11,108.00
TBGHD,CW,CTH-DBLHPS-SB,7-5/8,13-5/8 10M X 7-1/16 15M,W/2 1-13/16 15M FP,W/6.375 MIN BORE & 17-4PH LDS,34.0 LG,216A-PU-EE-0,5-3-2					
31	113880MV		2.00	2,792.00	5,584.00
VLV,CW,SB100,1-13/16 15M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR2F) QPQ TRIM, API 6A PR2 ANNEX F (BORE VENT HOLE)					
32	127140		2.00	150.00	300.00
FLG,BLIND,CW,1-13/16 15M X 9/16 AUTOCLAVE,REC F/VR PLUG,6A-LU-EE-3					



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
 Valid For 30 Days

Page 6 of 8

		Quantity	Price	Ext Price
33	100326 FTG,GRS,VENTED CAP,9/16 AUTOCLAVE,17-4PH BODY, 316SS VENT CAP,INCONEL X-750 SPRING & TUNGSTEN CARBIDE BALL,20,000 PSI SERVICE	1.00	89.73	89.73
34	BX151 RING GASKET,BX151,1-13/16 10/15/20M	4.00	12.77	51.08
35	105477-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6,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	9.76	156.16
36	BX159 RING GASKET,BX159,13-5/8 10/15/20M	1.00	117.60	117.60
37	102825-20E1 STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-7/8-8UN X 17-3/4,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	20.00	67.63	1,352.60
38	106012 ADPT,AUTOCLAVE,HIGH PRESSURE, 9/16 MALE TO 9/16 MALE,316SS,SOUR SERVICE	1.00	120.00	120.00
39	810023 NEEDLE VALVE,2 WAY ANGLE,9/16,20KSI,SOUR SERVICE,W/O COLLARS & GLANDS	1.00	289.00	289.00
40	PG15M PRESSURE GAUGE,15M,9/16 AUTOCLAVE,LIQUID FILLED	1.00	199.00	199.00
				19,367.17

CONTINGENCY EQUIPMENT

EMERGENCY EQUIPMENT; INVOICED AS REQUIRED:

41	116998 CSGHGR,CW,MBU-3T-LWR,EMERG,13-5/8 X 9-5/8,6A-PU-DD-3-2	0.00	2,200.00	0.00
42	130829 PACKOFF,CW,MBU-3T,EMERG,13-5/8 NESTED X 11 X 9-5/8,W/11.250-4 STUB ACME-2G LH BOX TOP W/RUPTURE DISK & DEEPER GALLERY,4140 110K,STD SVC,NON-NACE	0.00	5,160.00	0.00
43	108211 CSGHGR,CW,MBU-3T,UPR/MBU-2LR,UPR,11 X 5-1/2,6A-PU-DD-3-2	0.00	1,750.00	0.00
44	117298 PACKOFF,CW,MBU-3T,INNER,EMERG,NESTED,11 X 5-1/2,W/7-5/8 SEAL NECK,5 HBPV THDS & 4.93 MIN BORE,A/F HOLD DOWN RING,4130 75K,NACE SVC	0.00	1,800.00	0.00
45	104726 HOLD DOWN,RING,F/22 CSGHGR 11 X 5-1/2,A/F PACKOFF MBU-LR,13-5/8 10M,W/11.250-4 STUB ACME-2G LH PIN X 8.00 ID X 2.62 LG,4140 110K	0.00	550.00	0.00
				0.00

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

For Acceptance of this Quotation
 Please Contact Fred Stafford Ph: 713-626-8800
 riley.stafford@cactuswellhead.com

Matl:	61,788.05
Labor:	0.00
Misc:	0.00
Sales Tax:	0.00
Total:	61,788.05



Cactus

Quotation

Quote Number : HBE0000965

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

Date: 07/07/2023
Valid For 30 Days
Page 7 of 8
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 : HBE0000965

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

Date: 07/07/2023

Valid For 30 Days

Page 8 of 8

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.

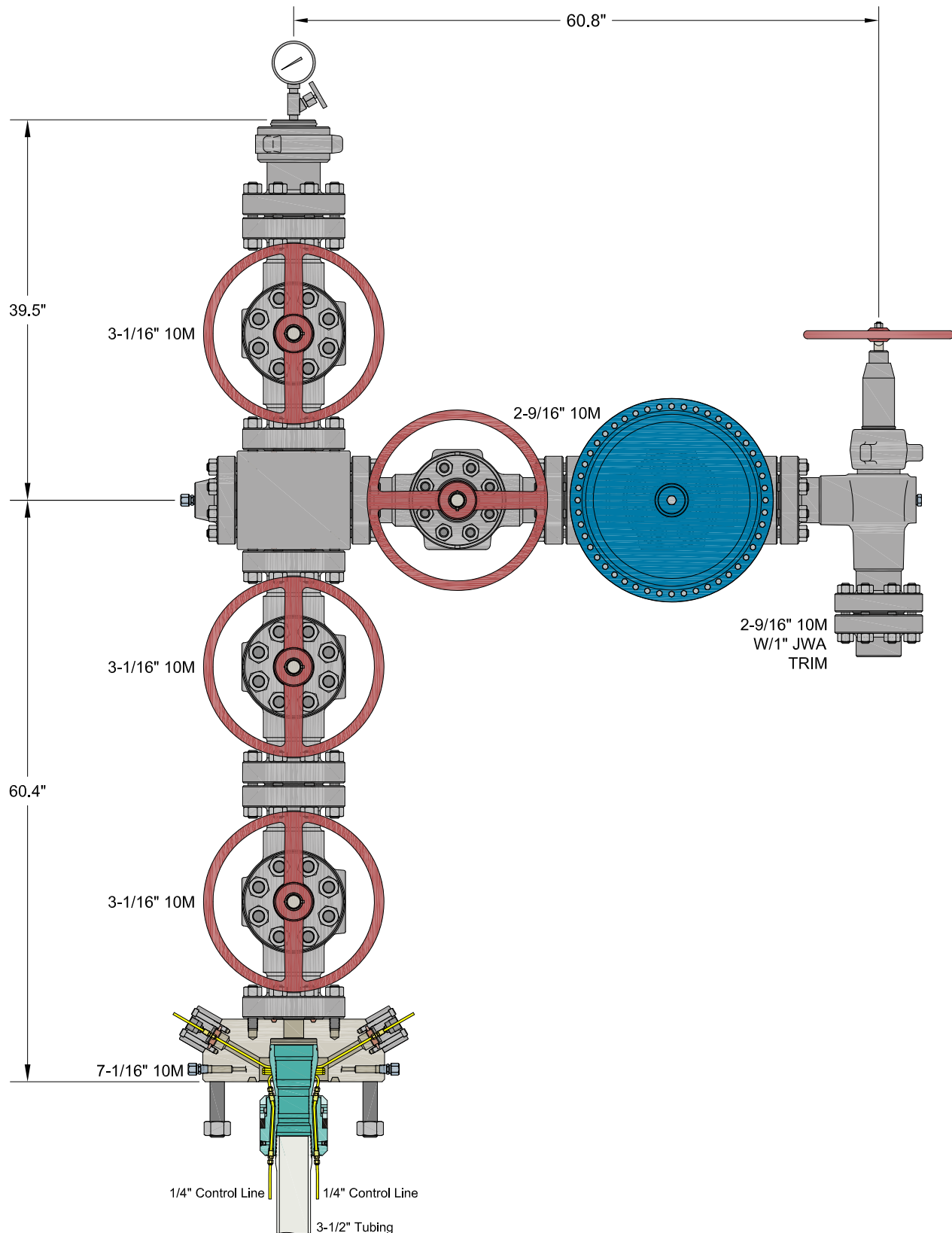
20. **CHOICE OF LAW.** THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND SHALL BE PERFORMABLE IN HARRIS COUNTY, TEXAS. WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPALS AND WAIVER OF SAME, EACH PARTY HERETO SUBMITS TO THE JURISDICTION OF THE COURTS OF 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.



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

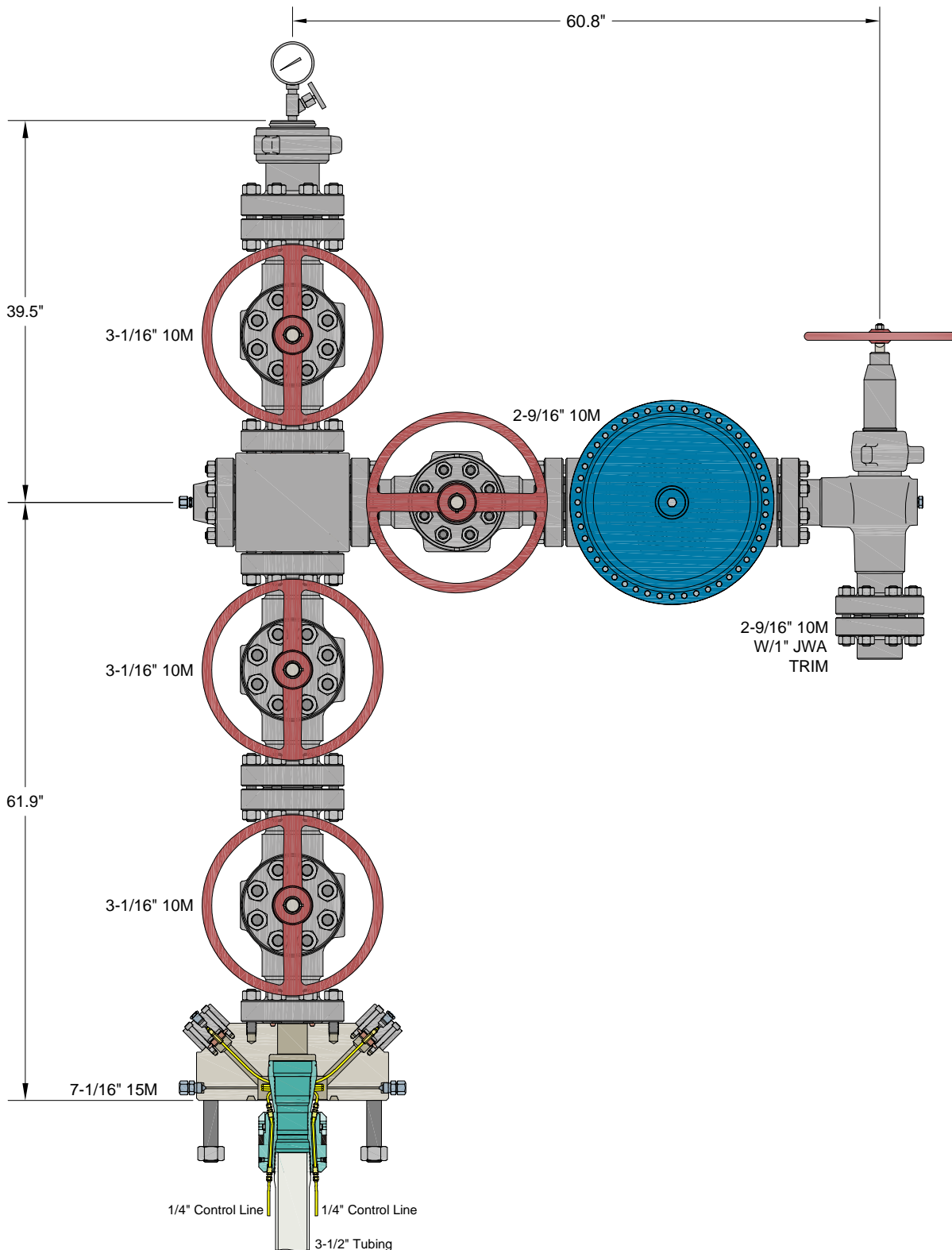
ALL DIMENSIONS APPROXIMATE

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	



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

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

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 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 DHCV W/1/4 NPT INLET,10000 PSI MAX WP,TEMP PU,MAT'L 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 PERMISSIBLE 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.




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					
--------------------------------------------	--	--	--	---------------------------------------------------------------------------------------	--



HYDROSTATIC TESTING REPORT

LTYY/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

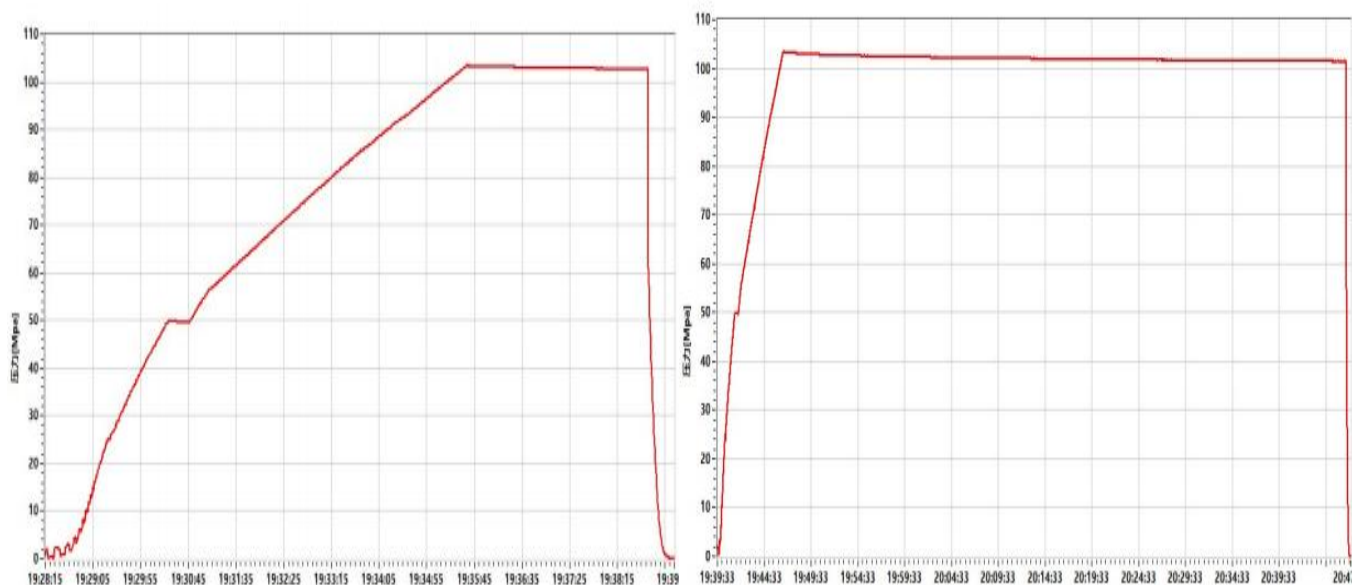
Rate of length change

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

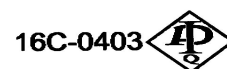
customer number: PO890145-001

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

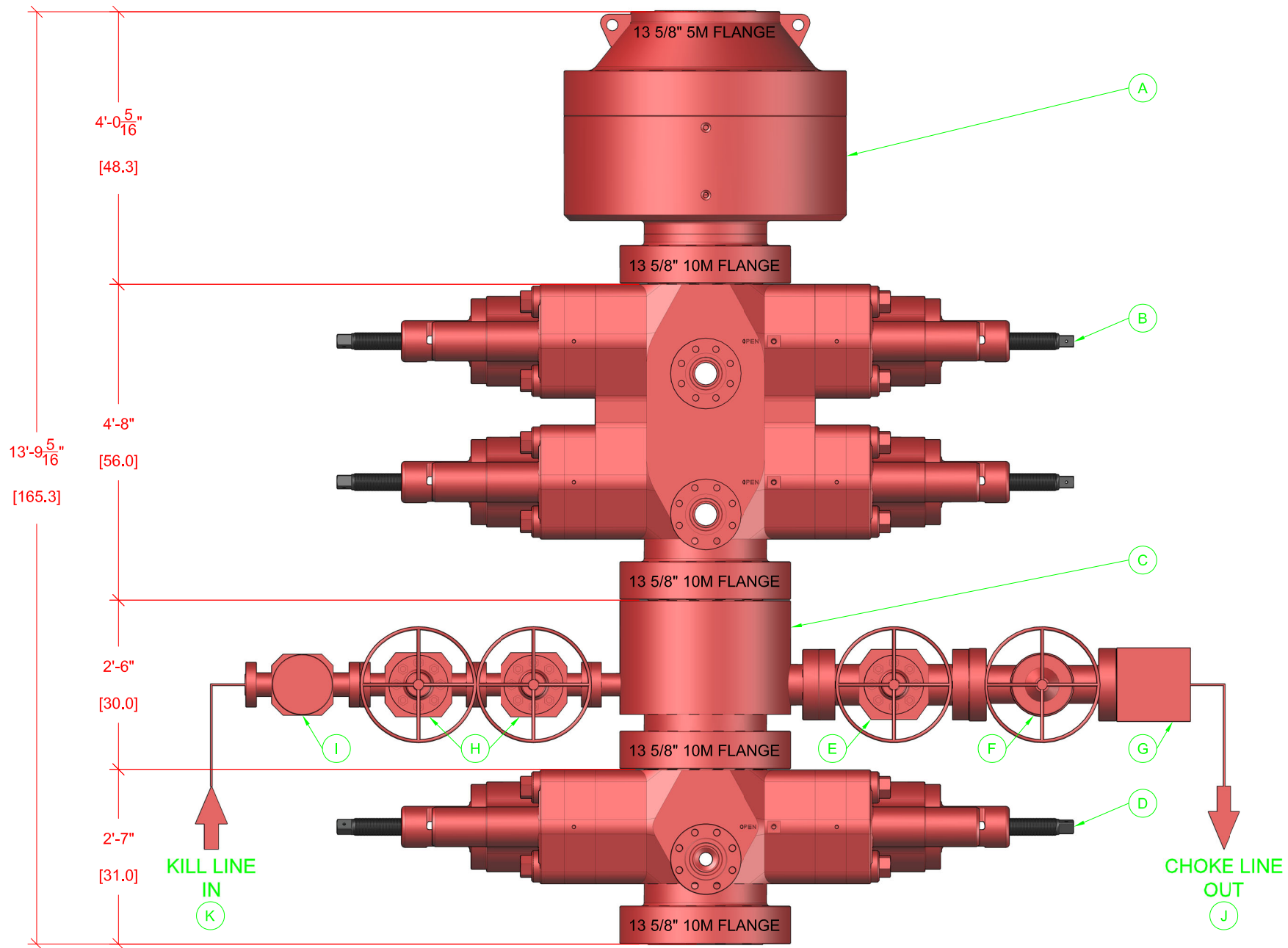
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies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

QC Manager: Jane C

Date:Sep 3, 2024



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	
--------------------------------------------	--



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			

THIS DRAWING IS OWNED BY AND CONTAINS PROPRIETARY INFORMATION OF CACTUS DRILLING COMPANY, L.L.C. IT IS CONDITIONALLY LOANED AND IS TO BE RETURNED UPON COMPLETION OF WORK OR UPON EARLIER REQUEST. THE BORROWER BY RECEIVING IT HAS AGREED NOT TO REPRODUCE NOR TO COPY IT IN WHOLE OR IN PART NOR TO FURNISH INFORMATION FROM IT TO OTHERS NOR TO MAKE ANY USE OF IT OR THE INFORMATION CONTAINED THEREIN EXCEPT FOR OR UNDER SPECIFIC LICENSE FROM CACTUS DRILLING COMPANY, L.L.C.

TOLERANCE UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES

DECIMAL	DIMENSION	CONCENTRICITY
X.X	±.1	.1 F.I.R.
X.XX	±.06	.06 F.I.R.
X.XXX	±.010	.010 F.I.R.

ANGLES ± .5 DEGREES

ACAD FILE: CAC148-A-005-00-RO

CUSTOMER INFO:
FILE: R-148_BOP.dwg
DWG BY: IJA 9/10/2021
CHK BY:
APP BY:

SCALE: 1:25

CACTUS Drilling Co., L.L.C.
Oklahoma City, OK, U.S.A.
Tel: 405-577-5347 Fax: 405-577-9306

TITLE:
**RIG 148
BOP STACK-UP**

SIZE A CAC148-A005

1/1



DWC/C-IS PLUS™

Connection Data Sheet

OD (in.)	WEIGHT (lbs./ft.)	WALL (in.)	GRADE	API DRIFT (in.)	RBW%	CONNECTION
5.000	Nominal: 18.00 Plain End: 17.95	0.362	VST P110RY	4.151	87.5	DWC/C-IS PLUS

PIPE PROPERTIES			CONNECTION PROPERTIES		
Outside Diameter	5.000	in.	Connection Type	Semi-Premium T&C	
Inside Diameter	4.276	in.	Connection O.D. (nom)	5.800	in.
Nominal Area	5.275	sq.in.	Connection I.D. (nom)	4.276	in.
Grade Type	API 5CT		Make-Up Loss	4.063	in.
Min. Yield Strength	110	ksi	Coupling Length	9.125	in.
Max. Yield Strength	125	ksi	Critical Cross Section	5.275	sq.in.
Min. Tensile Strength	125	ksi	Tension Efficiency	100.0%	of pipe
Yield Strength	580	klb	Compression Efficiency	100.0%	of pipe
Ultimate Strength	659	klb	Internal Pressure Efficiency	100.0%	of pipe
Min. Internal Yield	13,940	psi	External Pressure Efficiency	100.0%	of pipe
Collapse	13,470	psi			

CONNECTION PERFORMANCES			FIELD END TORQUE VALUES		
Yield Strength	580	klb	Min. Make-up torque	13,300	ft.lb
Parting Load	659	klb	Opti. Make-up torque	14,200	ft.lb
Compression Rating	580	klb	Max. Make-up torque	15,100	ft.lb
Min. Internal Yield	13,940	psi	Min. Shoulder Torque	1,330	ft.lb
External Pressure	13,470	psi	Max. Shoulder Torque	10,640	ft.lb
Maximum Uniaxial Bend Rating	100.8	°/100 ft	Min. Delta Turn	-	Turns
Reference String Length w 1.4 Design Factor	23,020	ft.	Max. Delta Turn	0.200	Turns
			Maximum Operational Torque	16,900	ft.lb
			Maximum Torsional Value (MTV)	18,590	ft.lb

Need Help? Contact: tech.support@vam-usa.com

Reference Drawing: 8084PP Rev.01 & 8084BP Rev.01

Date: 03/03/2020

Time: 01:10:05 PM



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.



VAM USA
2107 CityWest Boulevard Suite 1300
Houston, TX 77042
Phone: 713-479-3200
Fax: 713-479-3234

VAM® USA Sales E-mail: VAMUSAsales@vam-usa.com

Tech Support Email: tech.support@vam-usa.com

DWC Connection Data Sheet Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.
12. DWC/C family of connections are compatible with API Buttress BTC connections. Please contact tech.support@vam-usa.com for details on connection ratings and make-up.



Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

Technical Specifications

Connection Type: DW/C-IS PLUS Casing STANDARD
Size(O.D.): 5-1/2 in
Weight (Wall): 23.00 lb/ft (0.415 in)
Grade: VST P110 RY

Material
 VST P110 RY Grade
 110,000 Minimum Yield Strength (psi.)
 125,000 Minimum Ultimate Strength (psi.)



VAM USA
 2107 CityWest Boulevard Suite 1300
 Houston, TX 77042
 Phone: 713-479-3200
 Fax: 713-479-3234
 E-mail: VAMUSAsales@vam-usa.com

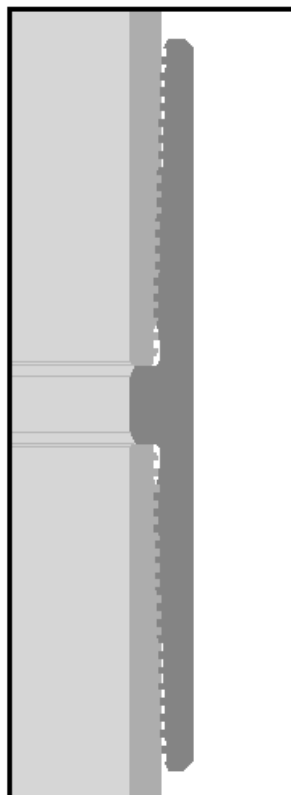
Pipe Dimensions
 5.500 Nominal Pipe Body O.D. (in.)
 4.670 Nominal Pipe Body I.D. (in.)
 0.415 Nominal Wall Thickness (in.)
 23.00 Nominal Weight (lbs./ft.)
 22.56 Plain End Weight (lbs./ft.)
 6.630 Nominal Pipe Body Area (sq. in.)

Pipe Body Performance Properties
 729,000 Minimum Pipe Body Yield Strength (lbs.)
 14,540 Minimum Collapse Pressure (psi.)
 14,530 Minimum Internal Yield Pressure (psi.)
 13,300 Hydrostatic Test Pressure (psi.)

Connection Dimensions
 6.300 Connection O.D. (in.)
 4.670 Connection I.D. (in.)
 4.545 Connection Drift Diameter (in.)
 4.13 Make-up Loss (in.)
 6.630 Critical Area (sq. in.)
 100.0 Joint Efficiency (%)

Connection Performance Properties
 729,000 Joint Strength (lbs.)
 22,640 Reference String Length (ft) 1.4 Design Factor
 759,000 API Joint Strength (lbs.)
 729,000 Compression Rating (lbs.)
 14,540 API Collapse Pressure Rating (psi.)
 14,530 API Internal Pressure Resistance (psi.)
 91.7 Maximum Uniaxial Bend Rating [degrees/100 ft]

Approximated Field End Torque Values
 17,700 Minimum Final Torque (ft.-lbs.)
 20,400 Maximum Final Torque (ft.-lbs.)
 23,000 Connection Yield Torque (ft.-lbs.)



For detailed information on performance properties, refer to DW/C Connection Data Notes on following page(s).

Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

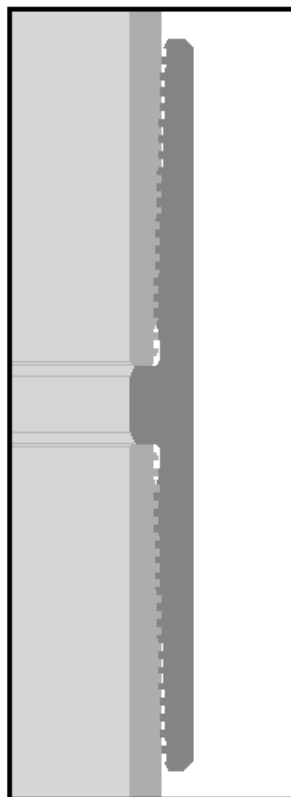
10/08/2020 3:58 PM



VAM USA
 2107 CityWest Boulevard Suite 1300
 Houston, TX 77042
 Phone: 713-479-3200
 Fax: 713-479-3234
 E-mail: VAMUSAsales@vam-usa.com

DWC Connection Data Notes:

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a given pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.



Connection specifications within the control of VAM USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

All information is provided by VAM USA or its affiliates at user's sole risk, without liability for loss, damage or injury resulting from the use thereof; and on an "AS IS" basis without warranty or representation of any kind, whether express or implied, including without limitation any warranty of merchantability, fitness for purpose or completeness. This document and its contents are subject to change without notice. In no event shall VAM USA or its affiliates be responsible for any indirect, special, incidental, punitive, exemplary or consequential loss or damage (including without limitation, loss of use, loss of bargain, loss of revenue, profit or anticipated profit) however caused or arising, and whether such losses or damages were foreseeable or VAM USA or its affiliates was advised of the possibility of such damages.

10/08/2020 3:58 PM

Triste Draw 36-25 Federal Com 302H

Casing Assumptions

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
14 3/4	0	1288	1288	10-3/4"	40.50	J-55	BT&C	2.83	5.61	12.06
9 7/8	0	11607	11310	7-5/8"	29.70	L-80	BT&C	2.71	1.30	1.98
6 3/4	0	10807	10807	5-1/2"	23.00	L-80	LT&C	2.03	1.79	2.39
6 3/4	10807	21551	11350	5"	18.00	P-110	BT&C	2.33	2.35	59.34
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

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	Mertzton			
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 302H Rev0 mdv 19Oct23 Proposal
Geodetic Report



Def Plan

Report Date: October 23, 2023 - 07:31 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slat: Coterra Triste Draw 36-25 Fed Com E2W2 Pad / 302H
Well: Triste Draw 36-25 Federal Com 302H
Borehole: Triste Draw 36-25 Federal Com 302H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23
Survey Date: October 23, 2023
Tort / AHD / DDI / ERD Ratio: 109.996 * / 11532.585 ft / 6.382 / 1.016
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'26.7310"N, 103°37'45.6544"W
Location Grid NE YX: N 458098-190 RUS, E 758954-870 RUS
CRS Grid Convergence Angle: 0.99996333
Grid Scale Factor: 0.99996333
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: 3681.100 ft above MSL
Seated / Ground Elevation: 3658.100 ft above MSL
Magnetic Declination: 6.243°
Total Gravity Field Strength: 998.4376mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47455.099 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

Table with columns: Comments, MD (ft), Incl (°), Azim (°), TVD (ft), TVDSS (ft), VSEC (ft), NS (ft), EW (ft), DLS (ft/100ft), Northing (RUS), Easting (RUS), Latitude (°), Longitude (°). Rows include SHL [1267' FSL, 2325' FWL], Rustler, Top Salt/Salado, Nudge, Build 2'/100ft, Hold, Base Salt/Lamar, Top Delaware Sands/Bell Canyon, Cherry Canyon, Brushy Canyon, Drop 2'/100ft, Basal Brushy Canyon, Bone Spring Lime, and Leonard/Avalon Sand.

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
Hold	9,200.00	0.44	180.32	9,100.46	5,419.36	-1,167.02	-1,167.10	-6.55	2.00	456,931.14	758,948.32	32.25421779	-103.62939439
	9,222.06	0.00	180.32	9,122.52	5,441.42	-1,167.10	-1,167.18	-6.55	2.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,300.00	0.00	180.32	9,200.46	5,519.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,400.00	0.00	180.32	9,300.46	5,619.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
Avalon Shale	9,500.00	0.00	180.32	9,400.46	5,719.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,564.54	0.00	180.32	9,465.00	5,783.90	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,600.00	0.00	180.32	9,500.46	5,819.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,700.00	0.00	180.32	9,600.46	5,919.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,800.00	0.00	180.32	9,700.46	6,019.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	9,900.00	0.00	180.32	9,800.46	6,119.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,000.00	0.00	180.32	9,900.46	6,219.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
1st Bone Spring Sand	10,100.00	0.00	180.32	10,000.46	6,319.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,149.54	0.00	180.32	10,050.00	6,368.90	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,200.00	0.00	180.32	10,100.46	6,419.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,300.00	0.00	180.32	10,200.46	6,519.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,400.00	0.00	180.32	10,300.46	6,619.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,500.00	0.00	180.32	10,400.46	6,719.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,600.00	0.00	180.32	10,500.46	6,819.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
2nd Bone Spring Sand	10,700.00	0.00	180.32	10,600.46	6,919.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,731.54	0.00	180.32	10,632.00	6,950.90	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	11,800.00	0.00	180.32	10,700.46	7,019.36	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	11,857.06	0.00	180.32	10,757.52	7,078.42	-1,167.10	-1,167.18	-6.55	0.00	456,931.06	758,948.32	32.25421756	-103.62939439
	10,900.00	4.29	359.59	10,800.42	7,119.32	-1,165.50	-1,165.57	-6.56	10.00	456,932.66	758,948.31	32.25422198	-103.62939440
	11,000.00	14.29	359.59	10,898.98	7,217.88	-1,149.37	-1,149.44	-6.68	10.00	456,948.79	758,948.19	32.25426631	-103.62939443
	11,100.00	24.29	359.59	10,993.24	7,312.14	-1,116.37	-1,116.45	-6.91	10.00	456,981.79	758,947.96	32.25433701	-103.62939449
3rd Bone Spring Carbonate	11,200.00	34.29	359.59	11,080.34	7,399.24	-1,067.50	-1,067.58	-7.26	10.00	457,030.65	758,947.61	32.25449133	-103.62939459
	11,243.09	38.60	359.59	11,115.00	7,433.90	-1,041.91	-1,041.99	-7.45	10.00	457,056.25	758,947.42	32.25458168	-103.62939464
	11,300.00	0.00	180.32	11,157.54	7,476.54	-1,004.25	-1,004.25	-7.72	0.00	457,093.80	758,947.15	32.25469518	-103.62939471
	11,400.00	54.29	359.59	11,222.77	7,541.67	-928.54	-928.54	-8.26	10.00	457,169.68	758,946.87	32.25483486	-103.62939486
	11,500.00	64.29	359.59	11,273.77	7,592.67	-842.67	-842.76	-8.87	10.00	457,255.47	758,946.00	32.25510931	-103.62939502
	11,600.00	74.29	359.59	11,309.08	7,627.98	-749.25	-749.34	-9.54	10.00	457,348.88	758,945.33	32.25536609	-103.62939520
	11,607.06	75.00	359.59	11,310.95	7,629.85	-742.44	-742.53	-9.59	10.00	457,355.69	758,945.28	32.25538481	-103.62939522
Build 5/100ft	11,700.00	79.65	359.59	11,331.34	7,650.24	-651.79	-651.88	-10.24	5.00	457,446.33	758,944.63	32.25563396	-103.62939539
	11,800.00	84.65	359.59	11,345.00	7,663.90	-552.76	-552.85	-10.94	5.00	457,545.36	758,943.93	32.25590016	-103.62939557
	11,900.00	89.65	359.59	11,349.98	7,668.90	-453.73	-453.82	-11.69	5.00	457,645.20	758,943.22	32.25616636	-103.62939574
	11,907.06	90.00	359.59	11,350.00	7,668.90	-445.85	-445.95	-11.70	5.00	457,652.02	758,943.17	32.25620005	-103.62939576
	12,000.00	90.00	359.59	11,350.00	7,668.90	-352.92	-353.01	-12.36	0.00	457,745.19	758,942.51	32.25645546	-103.62939591
	12,100.00	90.00	359.59	11,350.00	7,668.90	-252.92	-253.02	-13.07	0.00	457,845.18	758,941.80	32.25673033	-103.62939608
	12,200.00	90.00	359.59	11,350.00	7,668.90	-152.92	-153.02	-13.77	0.00	457,945.18	758,941.10	32.25700519	-103.62939625
Landing Point	12,300.00	90.00	359.59	11,350.00	7,668.90	-52.92	-53.02	-14.48	0.00	458,045.17	758,940.39	32.25728005	-103.62939642
	12,400.00	90.00	359.59	11,350.00	7,668.90	47.08	46.98	-15.19	0.00	458,145.16	758,939.68	32.25755492	-103.62939659
	12,500.00	90.00	359.59	11,350.00	7,668.90	147.08	146.97	-15.90	0.00	458,245.16	758,938.97	32.25782978	-103.62939676
	12,600.00	90.00	359.59	11,350.00	7,668.90	247.08	246.97	-16.61	0.00	458,345.16	758,938.26	32.25810464	-103.62939693
	12,700.00	90.00	359.59	11,350.00	7,668.90	347.08	346.97	-17.32	0.00	458,445.14	758,937.55	32.25837951	-103.62939710
	12,800.00	90.00	359.59	11,350.00	7,668.90	447.08	446.97	-18.02	0.00	458,545.14	758,936.85	32.25865437	-103.62939727
	12,900.00	90.00	359.59	11,350.00	7,668.90	547.08	546.96	-18.73	0.00	458,645.13	758,936.14	32.25892924	-103.62939744
Triste Draw 36-25 Federal Com 3	13,000.00	90.00	359.59	11,350.00	7,668.90	647.08	646.96	-19.44	0.00	458,745.13	758,935.43	32.25920410	-103.62939761
	13,100.00	90.00	359.59	11,350.00	7,668.90	747.08	746.96	-20.15	0.00	458,845.12	758,934.72	32.25947896	-103.62939778
	13,200.00	90.00	359.59	11,350.00	7,668.90	847.08	846.96	-20.86	0.00	458,945.11	758,934.01	32.25975383	-103.62939795
	13,300.00	90.00	359.59	11,350.00	7,668.90	947.08	946.96	-21.57	0.00	459,045.11	758,933.31	32.26002869	-103.62939812
	13,400.00	90.00	359.59	11,350.00	7,668.90	1,047.08	1,046.95	-22.27	0.00	459,145.10	758,932.60	32.26030355	-103.62939829
	13,500.00	90.00	359.59	11,350.00	7,668.90	1,147.08	1,146.95	-22.98	0.00	459,245.09	758,931.89	32.26057842	-103.62939846
	13,600.00	90.00	359.59	11,350.00	7,668.90	1,247.08	1,246.95	-23.69	0.00	459,345.09	758,931.18	32.26085328	-103.62939863
Triste Draw 36-25 Federal Com 3	13,700.00	90.00	359.59	11,350.00	7,668.90	1,347.08	1,346.94	-24.40	0.00	459,445.08	758,930.47	32.26112814	-103.62939880
	13,800.00	90.00	359.59	11,350.00	7,668.90	1,447.08	1,446.94	-25.11	0.00	459,545.07	758,929.76	32.26140301	-103.62939897
	13,900.00	90.00	359.59	11,350.00	7,668.90	1,547.08	1,546.94	-25.82	0.00	459,645.07	758,929.06	32.26167787	-103.62939914
	14,000.00	90.00	359.59	11,350.00	7,668.90	1,647.08	1,646.94	-26.52	0.00	459,745.06	758,928.35	32.26195273	-103.62939931
	14,100.00	90.00	359.59	11,350.00	7,668.90	1,747.08	1,746.93	-27.23	0.00	459,845.06	758,927.64	32.26222760	-103.62939948
	14,200.00	90.00	359.59	11,350.00	7,668.90	1,847.08	1,846.93	-27.94	0.00	459,945.05	758,926.93	32.26250246	-103.62939965
	14,300.00	90.00	359.59	11,350.00	7,668.90	1,947.08	1,946.93	-28.65	0.00	460,045.04	758,926.22	32.26277733	-103.62939982
Triste Draw 36-25 Federal Com 3	14,400.00	90.00	359.59	11,350.00	7,668.90	2,047.08	2,046.93	-29.36	0.00	460,145.04	758,925.51	32.26305219	-103.62939999
	14,500.00	90.00	359.59	11,350.00	7,668.90	2,147.08	2,146.92	-30.06	0.00	460,245.03	758,924.81	32.26332705	-103.62940016
	14,600.00	90.00	359.59	11,350.00	7,668.90	2,247.08	2,246.92	-30.77	0.00	460,345.02	758,924.10	32.26360192	-103.62940033
	14,700.00	90.00	359.59	11,350.00	7,668.90	2,347.08	2,346.91	-31.48	0.00	460,445.02	758,923.39	32.26387678	-103.62940050
	14,800.00	90.00	359.59	11,350.00	7,668.90	2,447.08	2,446.92	-32.19	0.00	460,545.01	758,922.68	32.26415164	-103.62940067
	14,900.00	90.00	359.59	11,350.00	7,668.90	2,547.08	2,546.91	-32.90	0.00	460,645.00	758,921.97	32.26442651	-103.62940084
	15,000.00	90.00	359.59	11,350.00	7,668.90	2,647.08	2,646.91	-33.61	0.00	460,745.00	758,921.27	32.26470137	-103.62940101
Triste Draw 36-25 Federal Com 3	15,100.00	90.00	359.59	11,350.00	7,668.90	2,747.08	2,746.91	-34.31	0.00	460,844.99	758,920.56	32.26497623	-103.62940117
	15,200.00	90.00	359.59	11,350.00	7,668.90	2,847.08	2,846.91	-35.02	0.00	460,944.99	758,919.85	32.26525110	-103.62940134
	15,300.												

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
	21,100.00	90.00	359.59	11,350.00	7,668.90	8,747.08	8,746.76	-76.85	0.00	466,844.61	758,878.02	32.28146801	-103.62941145
	21,200.00	90.00	359.59	11,350.00	7,668.90	8,847.08	8,846.75	-77.56	0.00	466,944.60	758,877.31	32.28174287	-103.62941162
	21,300.00	90.00	359.59	11,350.00	7,668.90	8,947.08	8,946.75	-78.27	0.00	467,044.60	758,876.60	32.28201774	-103.62941179
	21,400.00	90.00	359.59	11,350.00	7,668.90	9,047.08	9,046.75	-78.98	0.00	467,144.59	758,875.89	32.28229260	-103.62941196
	21,500.00	90.00	359.59	11,350.00	7,668.90	9,147.08	9,146.75	-79.69	0.00	467,244.58	758,875.18	32.28256746	-103.62941214
Triste Draw 36-25 Federal Com 3	21,551.20	90.00	359.59	11,350.00	7,668.90	9,198.28	9,197.95	-80.05	0.00	467,295.78	758,874.82	32.28270819	-103.62941223

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	10,363.900	1/100,000 '5 - 12.25 - 8.75 3.375 - 9.625 - 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 302H / Coterra Tris
	1	10,363.900	19,512.879	1/100,000	8.75 - 6	7 - 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 302H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,190.100	17.500	13.375	
4,812.751	12.250	9.625	
12,202.100	8.750	7.000	
21,551.200	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2023 - 07:32 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra Triste Draw 36-25 Fed Com E2W2 Pad
Slot: 302H
Well: Triste Draw 36-25 Federal Com 302H
Borehole: Triste Draw 36-25 Federal Com 302H
Scan MD Range: 0.00ft ~ 21551.20ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Triste Draw 36-25 Federal Com 302H 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 302H-COTERRA

Trajectory Error Model: ISCSWA0 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
39 out of 40 are selected

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		

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 211H Rev0 mdv 19Oct23 (DefinitivePlan)												
20.00	16.26	18.72	3.74	N/A	MAS = 4.96 (m)	0.00	0.00	CtCt<=15m<15.00				Fail Major
20.00	16.26	18.72	3.74	52820.22	MAS = 4.96 (m)	23.00	23.00					Enter Alert
20.00	16.76	8.41	3.25	1.82	OSF1.50	1090.00	1090.00					WRP
20.00	20.05	6.30	-0.05	1.50	OSF1.50	1330.00	1330.00		OSF<1.50			MinPts
20.00	29.52	-0.01	-9.52	1.00	OSF1.50	1960.00	1960.00			OSF<1.00		Enter Minor
20.00	30.78	-0.85	-10.79	0.96	OSF1.50	2045.00	2045.00					Enter Major
20.32	32.30	-1.54	-11.98	0.93	OSF1.50	2150.00	2149.93					MinPt-CtCt
20.55	32.59	-1.51	-12.04	0.93	OSF1.50	2170.00	2169.90					MinPts
22.72	33.72	-0.08	-11.00	1.00	OSF1.50	2250.00	2249.68			OSF>1.00		MinPt-ADP
36.10	36.22	11.62	-0.13	1.49	OSF1.50	2430.00	2428.39					Exit Major
171.84	52.50	136.51	119.34	4.97	OSF1.50	3480.00	3482.59		OSF>5.00	OSF>1.50		Exit Minor
1059.69	172.01	944.66	887.68	9.29	OSF1.50	10270.00	10170.46					Exit Alert
1059.79	172.13	944.71	887.66	9.28	OSF1.50	10280.00	10180.46					MinPt-EOU
1061.74	173.02	946.07	888.72	9.25	OSF1.50	10370.00	10270.46					MinPt-ADP
1315.17	371.06	1067.47	944.12	5.33	OSF1.50	21540.00	11350.00					MinPt-SF
1315.18	371.36	1067.28	943.83	5.32	OSF1.50	21551.20	11350.00					MinPt-CtCt
												MinPts

30-025-08134 - GULF-STATE 1 - Blind to 5206ft - P&A (DefinitiveSurvey)												
2624.50	32.81	2622.52	2591.70	N/A	MAS = 10.00 (m)	0.00	0.00					Fail Major
2624.42	32.81	2622.42	2591.61	192634.74	MAS = 10.00 (m)	10.00	10.00					Surface
2624.36	32.81	2622.37	2591.55	297232.39	MAS = 10.00 (m)	23.00	23.00					MinPt-SF
2624.35	796.27	2092.84	1828.08	4.95	OSF1.50	460.00	460.00		OSF<5.00			WRP
2624.35	2643.31	861.56	-18.96	1.49	OSF1.50	1350.00	1350.00			OSF<1.50		Enter Alert
2624.35	3950.92	-10.18	-1326.56	1.00	OSF1.50	1980.00	1980.00			OSF<1.00		Enter Minor
2624.35	3992.43	-37.85	-1368.08	0.99	OSF1.50	2000.00	2000.00					Enter Major
3047.50	10704.88	-4089.63	-7657.38	0.43	OSF1.50	5280.00	5235.25					MinPt-CtCt
5056.55	7588.14	-2.75	-2531.59	1.00	OSF1.50	8900.00	8801.13			OSF>1.00		MinPts
6206.98	6209.79	2066.58	-2.81	1.50	OSF1.50	10390.00	10290.46			OSF>1.50		Exit Major
6331.31	2771.66	4483.04	3559.65	3.43	OSF1.50	14390.00	11350.00					Exit Minor
7635.63	6411.97	3360.49	1223.66	1.79	OSF1.50	18660.00	11350.00					MinPt-CtCt
8372.33	7313.35	3496.27	1058.99	1.72	OSF1.50	19870.00	11350.00					MinPt-EOU
8646.16	7569.53	3599.31	1076.64	1.71	OSF1.50	20280.00	11350.00					MinPt-ADP
9557.31	8228.66	4071.04	1328.65	1.74	OSF1.50	21551.20	11350.00					MinPt-SF
												TD

30-025-41520 - COX 35 FEDERAL 1H - Blind+MWD to 15465ft - A (DefinitiveSurvey)												
2907.80	32.81	2905.82	2875.00	N/A	MAS = 10.00 (m)	0.00	0.00					Fail Major
2907.79	32.81	2905.81	2874.95	#####	MAS = 10.00 (m)	10.00	10.00					Surface
2907.79	32.81	2905.81	2874.98	#####	MAS = 10.00 (m)	23.00	23.00					MinPts
2908.30	886.21	2316.83	2022.09	4.93	OSF1.50	550.00	550.00		OSF<5.00			WRP
2911.86	2920.02	964.59	-8.17	1.50	OSF1.50	1540.00	1540.00			OSF<1.50		Enter Alert
2912.42	4378.15	-6.94	-1465.73	1.00	OSF1.50	2250.00	2249.68					Enter Minor
2784.10	13625.44	-6300.07	-10841.34	0.31	OSF1.50	6810.00	6742.06			OSF<1.00		Enter Major
2860.53	21284.80	-11329.88	-18424.28	0.20	OSF1.50	10600.00	10500.46					MinPt-CtCt
2863.42	21285.85	-11327.69	-18422.43	0.20	OSF1.50	10700.00	10600.46					MinPts
2865.63	21246.38	-11279.16	-18360.75	0.20	OSF1.50	11120.00	11011.32					MinPts
2886.60	21261.02	-11287.95	-18374.42	0.20	OSF1.50	11140.00	11029.10					MinPts
2898.05	21189.78	-11229.02	-18291.75	0.21	OSF1.50	11530.00	11286.07					MinPts
2898.99	21187.66	-11226.65	-18288.67	0.21	OSF1.50	11610.00	11311.71					MinPt-SF
2899.05	21187.78	-11226.68	-18288.73	0.21	OSF1.50	11620.00	11314.23					MinPts
2899.86	21192.67	-11229.12	-18292.80	0.21	OSF1.50	11790.00	11344.03					MinPt-ADP
2899.83	21192.62	-11229.13	-18292.80	0.21	OSF1.50	11800.00	11345.00					MinPts
2899.76	21191.45	-11228.42	-18291.70	0.21	OSF1.50	11840.00	11348.04					MinPt-CtCt
2899.96	21191.10	-11227.98	-18291.14	0.21	OSF1.50	11910.00	11350.00					MinPt-EOU
2900.03	21191.18	-11227.96	-18291.15	0.21	OSF1.50	11920.00	11350.00					MinPt-ADP
2903.34	21187.46	-11222.17	-18284.12	0.21	OSF1.50	12190.00	11350.00					MinPt-SF
2902.61	21185.17	-11221.34	-18282.56	0.21	OSF1.50	12280.00	11350.00					MinPt-SF
2889.61	21179.15	-11230.32	-18289.54	0.20	OSF1.50	12710.00	11350.00					MinPt-ADP
2889.00	21178.57	-11230.54	-18289.56	0.20	OSF1.50	12740.00	11350.00					MinPt-ADP
2888.17	21177.59	-11230.72	-18289.42	0.20	OSF1.50	12790.00	11350.00					MinPt-EOU
2885.78	21176.65	-11232.49	-18290.88	0.20	OSF1.50	13130.00	11350.00					MinPt-CtCt
2885.79	21176.72	-11232.53	-18290.94	0.20	OSF1.50	13140.00	11350.00					MinPt-SF
2885.83	21176.84	-11232.56	-18291.01	0.20	OSF1.50	13160.00	11350.00					MinPt-EOU
2885.91	21176.94	-11232.55	-18291.03	0.20	OSF1.50	13180.00	11350.00					MinPt-ADP
2886.94	21177.54	-11231.93	-18290.61	0.20	OSF1.50	13320.00	11350.00					MinPt-ADP
2886.80	21177.40	-11231.96	-18290.60	0.20	OSF1.50	13330.00	11350.00					MinPt-EOU
2837.25	21180.05	-11283.24	-18342.76	0.20	OSF1.50	15010.00	11350.00					MinPt-CtCt
2837.31	21180.25	-11283.36	-18342.95	0.20	OSF1.50	15030.00	11350.00					MinPt-SF
2837.47	21180.66	-11283.47	-18343.18	0.20	OSF1.50	15070.00	11350.00					MinPt-EOU
2837.62	21180.83	-11283.44	-18343.21	0.20	OSF1.50	15090.00	11350.00					MinPt-ADP
2839.94	21182.01	-11281.90	-18342.07	0.20	OSF1.50	15260.00	11350.00					MinPt-EOU
2840.90	21183.20	-11281.73	-18342.29	0.20	OSF1.50	15370.00	11350.00					MinPt-ADP
2813.98	21176.93	-11304.47	-18362.94	0.20	OSF1.50	15920.00	11350.00					MinPts
6298.81	21273.17	-7883.80	-14974.36	0.44	OSF1.50	21551.20	11350.00					TD

30-025-08120 - FIELDS 2 - Blind to 5206ft - P&A (DefinitiveSurvey)												
5386.93	32.81	5378.10	5354.12	786.21	MAS = 10.00 (m)	0.00	0.00					Fail Major
												Surface

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		
	5386.93	36.12	5362.18	5350.80	236.58	OSF1.50	23.00	23.00				WRP	
	5386.93	1633.32	4297.38	3753.60	4.95	OSF1.50	870.00	870.00	OSF<5.00			Enter Alert	
	5386.93	3978.50	2734.01	1408.43	2.03	OSF1.50	2000.00	2000.00				MinPt-CtCt	
	5464.20	5481.15	1809.51	-16.95	1.50	OSF1.50	2730.00	2723.97		OSF<1.50		Enter Minor	
	5708.05	8567.67	-4.31	-2859.62	1.00	OSF1.50	4240.00	4211.05			OSF<1.00	Enter Major	
	5868.79	10591.14	-1192.51	-4722.35	0.83	OSF1.50	5230.00	5186.01				MinPts	
	5870.42	10593.38	-1192.37	-4722.96	0.83	OSF1.50	5240.00	5195.86				MinPt-ADP	
	6637.36	9964.01	-5.86	-3326.66	1.00	OSF1.50	7520.00	7441.24			OSF>1.00	Exit Major	
	8280.61	8292.67	2751.63	-12.06	1.50	OSF1.50	10440.00	10340.46			OSF>1.50	Exit Minor	
	8396.05	7195.17	3598.73	-1200.88	1.75	OSF1.50	12010.00	11350.00				MinPt-ADP	
	7665.62	6300.71	3464.64	1364.91	1.83	OSF1.50	13250.00	11350.00				MinPt-EOU	
	6470.28	3231.34	4315.56	3238.95	3.00	OSF1.50	17360.00	11350.00				MinPt-CtCt	
	7664.95	6303.20	3462.32	1361.76	1.82	OSF1.50	21470.00	11350.00				MinPt-EOU	
	7708.79	6368.15	3462.86	1340.64	1.82	OSF1.50	21551.20	11350.00				MinPts	
30-025-08122 - FEDERAL JAMES 4 - Blind to 5211ft - P&A (DefinitiveSurvey)						MAS = 10.00 (m)	0.00	0.00					Fail Major
	6554.72	32.81	6541.75	6521.92	595.68							Surface	
	6554.72	42.35	6525.83	6512.38	243.48	OSF1.50	23.00	23.00				WRP	
	6554.72	1987.65	5228.97	4567.08	4.95	OSF1.50	990.00	990.00	OSF<5.00			Enter Alert	
	6554.72	4083.75	3831.64	2470.97	2.41	OSF1.50	2000.00	2000.00				MinPt-CtCt	
	6719.48	6731.07	2231.51	-11.60	1.50	OSF1.50	3290.00	3275.47	OSF<1.50			Enter Minor	
	7015.88	10532.87	-6.57	-3516.99	1.00	OSF1.50	5150.00	5107.23		OSF<1.00		Enter Major	
	7030.29	10715.25	-113.76	-3684.97	0.98	OSF1.50	5240.00	5195.86				MinPts	
	7125.20	10690.61	-2.41	-3565.41	1.00	OSF1.50	5730.00	5678.42			OSF>1.00	Exit Major	
	9040.04	9046.70	3008.37	-6.66	1.50	OSF1.50	10140.00	10040.46			OSF>1.50	Exit Minor	
	8701.62	7575.26	3650.94	-1126.35	1.72	OSF1.50	12790.00	11350.00				MinPt-SF	
	8415.18	7308.10	3542.62	1107.03	1.73	OSF1.50	13250.00	11350.00				MinPt-ADP	
	7677.57	6406.50	3406.07	1271.07	1.80	OSF1.50	14590.00	11350.00				MinPt-EOU	
	6694.31	4218.77	3881.29	2475.53	2.38	OSF1.50	18349.12	11350.00				MinPt-CtCt	
	7420.69	5991.03	3426.17	1429.66	1.86	OSF1.50	21551.20	11350.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 502H Rev0 mdr 19Oct23 (DefinitivePlan)						MAS = 10.00 (m)	0.00	0.00					Fail Minor
	112.35	32.81	111.06	79.54	N/A							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	
	112.54	32.81	95.75	79.73	7.06	MAS = 10.00 (m)	1640.00	1640.00				MinPt-EOU	
	119.58	32.81	100.92	86.77	6.71	MAS = 10.00 (m)	1840.00	1840.00				MinPt-SF	
	302.31	91.39	241.06	210.92	5.00	OSF1.50	6050.00	5993.56	OSF<5.00			Enter Alert	
	143.25	144.10	46.87	-0.84	1.49	OSF1.50	8670.00	8573.78		OSF<1.50		Enter Minor	
	132.44	169.79	18.92	-37.35	1.17	OSF1.50	10857.06	10757.52				MinPt-CtCt	
	132.45	169.80	18.92	-37.35	1.17	OSF1.50	10870.00	10770.45				MinPts	
	162.67	163.70	53.21	-1.03	1.49	OSF1.50	11190.00	11072.03		OSF>1.50		Exit Minor	
	513.45	155.65	409.36	357.81	4.97	OSF1.50	11680.00	11327.58	OSF<5.00			Exit Alert	
	1650.60	332.62	1428.52	1317.98	7.46	OSF1.50	20780.00	11350.00				MinPt-CtCt	
	1650.60	356.59	1412.54	1294.01	6.96	OSF1.50	21551.20	11350.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdr 19Oct23 (DefinitivePlan)						MAS = 10.00 (m)	0.00	0.00					Fail Minor
	116.61	32.81	115.32	83.80	N/A							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	11.19	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	116.60	32.81	98.20	83.79	6.64	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	116.91	32.81	97.93	84.10	6.44	MAS = 10.00 (m)	1860.00	1860.00				MinPt-EOU	
	139.08	42.51	110.41	96.57	4.99	OSF1.50	2880.00	2871.70	OSF<5.00			Enter Alert	
	143.16	143.24	47.34	-0.08	1.50	OSF1.50	8570.00	8475.30		OSF<1.50		Enter Minor	
	127.16	154.76	23.66	-27.60	1.23	OSF1.50	9110.00	9010.48				MinPt-CtCt	
	127.18	170.65	13.09	-43.47	1.12	OSF1.50	10880.00	10780.45				MinPt-CtCt	
	127.19	170.66	13.08	-43.48	1.12	OSF1.50	10900.00	10800.42				MinPts	
	164.77	164.77	54.59	-0.01	1.50	OSF1.50	11210.00	11088.56			OSF>1.50	Exit Minor	
	511.19	156.61	406.45	354.58	4.92	OSF1.50	11680.00	11327.58	OSF<5.00			Exit Alert	
	801.30	241.08	640.25	560.22	5.00	OSF1.50	17860.00	11350.00	OSF<5.00			Enter Alert	
	801.30	316.21	590.17	485.09	3.81	OSF1.50	20332.15	11350.00				MinPt-CtCt	
	801.30	354.27	564.79	447.03	3.40	OSF1.50	21551.20	11350.00				MinPts	
30-025-20437 - WEHRLI-FEDERAL 1 - Blind to 5167ft - P&A (DefinitiveSurvey)						MAS = 10.00 (m)	0.00	0.00					Fail Minor
	8309.70	32.81	8287.72	8276.89	415.50							Surface	
	8309.70	56.84	8271.81	8253.86	231.37	OSF1.50	23.00	23.00				WRP	
	8309.70	2503.81	6639.90	5805.89	4.98	OSF1.50	1270.00	1270.00	OSF<5.00			Enter Alert	
	8309.70	4018.97	5629.80	4290.73	3.10	OSF1.50	2000.00	2000.00				MinPt-CtCt	
	8660.46	8669.46	2880.23	-9.00	1.50	OSF1.50	4270.00	4240.59	OSF<1.50			Enter Minor	
	8816.69	10508.97	1810.17	-1692.28	1.26	OSF1.50	5170.00	5126.92				MinPt-EOU	
	8818.43	10511.40	1810.23	-1692.97	1.28	OSF1.50	5180.00	5136.77				MinPts	
	9930.80	9936.95	3305.63	-6.15	1.50	OSF1.50	8460.00	8366.97	OSF>1.50			Exit Minor	
	8799.60	7434.02	3843.09	1365.58	1.78	OSF1.50	14440.00	11350.00				MinPt-SF	
	8439.90	7103.33	3703.84	1336.57	1.78	OSF1.50	14960.00	11350.00				MinPt-ADP	
	7709.63	6208.67	3570.01	1500.95	1.86	OSF1.50	16110.00	11350.00			OSF>5.00	MinPt-EOU	
	6325.95	1910.29	5051.92	4415.66	4.97	OSF1.50	19520.00	11350.00	OSF<5.00			Exit Alert	
	6221.91	231.59	6067.01	5990.31	40.55	OSF1.50	20662.61	11350.00				MinPt-CtCt	
	6285.04	1508.26	6279.03	4776.78	6.26	OSF1.50	21551.20	11350.00				MinPts	
30-025-25150 - FIELDS 3 - Blind to 5200ft - P&A (DefinitiveSurvey)						MAS = 10.00 (m)	0.00	0.00					Fail Minor
	7390.35	32.81	7368.38	7357.54	369.52							Surface	
	7390.35	56.84	7352.47	7334.51	205.76	OSF1.50	23.00	23.00				WRP	
	7390.35	2233.98	5900.44	5156.37	4.96	OSF1.50	1140.00	1140.00	OSF<5.00			Enter Alert	
	7390.35	4018.97	4710.45	3371.38	2.76	OSF1.50	2000.00	2000.00				MinPt-CtCt	
	7654.19	7667.88	2541.68	-13.69	1.50	OSF1.50	3780.00	3758.03	OSF<1.50			Enter Minor	
	7900.78	10579.96	846.99	-2679.11	1.12	OSF1.50	5210.00	5166.32				MinPts	
	9508.13	9514.34	3164.70	-6.21	1.50	OSF1.50	9420.00	9320.46	OSF>1.50			Exit Minor	
	8752.33	7481.87	3763.92	1270.45	1.75	OSF1.50	13570.00	11350.00				MinPt-SF	
	8424.44	7178.99	3637.95										

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		
135.77	41.63	107.69	94.14	4.97	OSF1.50	2830.00	2822.45	OSF>5.00				Exit Alert	
1615.83	175.16	1498.72	1440.67	13.91	OSF1.50	10360.00	10260.46					MinPt-SF	
1619.53	175.08	1502.48	1444.45	13.95	OSF1.50	10857.06	10757.52					MinPts	
1569.67	177.31	1451.14	1392.36	13.35	OSF1.50	11880.00	11349.68					MinPt-SF	
1569.56	177.28	1451.04	1392.28	13.35	OSF1.50	11907.06	11350.00					MinPts	
1569.55	177.30	1451.03	1392.26	13.34	OSF1.50	11920.00	11350.00					MinPt-CtCt	
1539.38	227.65	1387.28	1311.72	10.18	OSF1.50	15700.00	11350.00					MinPt-CtCt	
1539.56	228.15	1387.13	1311.40	10.16	OSF1.50	15740.00	11350.00					MinPt-EOU	
1539.66	228.28	1387.15	1311.38	10.15	OSF1.50	15750.00	11350.00					MinPt-ADP	
1569.74	345.88	1338.83	1223.87	6.82	OSF1.50	20470.00	11350.00					MinPt-CtCt	
1569.76	376.08	1318.70	1193.67	6.27	OSF1.50	21551.20	11350.00					MinPts	

Coterra Triste Draw 36-25 Federal Com 401H Rev0 mdv 19Oct23 (DefinitivePlan)

72.10	32.81	70.82	39.30	N/A	MAS = 10.00 (m)	0.00	0.00					Warning Alert
72.10	32.81	70.81	39.29	N/A	MAS = 10.00 (m)	23.00	23.00					Surface
72.10	32.81	60.51	39.29	6.87	MAS = 10.00 (m)	1090.00	1090.00					WRP
72.10	32.81	56.80	39.29	4.97	MAS = 10.00 (m)	1490.00	1490.00	OSF<5.00				MinPt-EOU
63.40	32.81	51.55	39.00	3.67	MAS = 10.00 (m)	1990.00	1990.00					Enter Alert
63.40	35.45	39.44	27.95	2.72	OSF1.50	2400.78	2399.47					MinPts
63.48	35.67	39.37	27.81	2.70	OSF1.50	2420.00	2418.50					MinPt-CtCt
63.58	35.78	39.40	27.80	2.70	OSF1.50	2430.00	2428.39					MinPt-EOU
63.74	35.89	39.48	27.85	2.70	OSF1.50	2440.00	2438.27					MinPt-ADP
134.69	41.55	106.66	93.14	4.94	OSF1.50	2890.00	2881.54	OSF>5.00				MinPt-SF
1977.65	175.52	1860.31	1802.13	16.99	OSF1.50	10270.00	10170.46					Exit Alert
1979.71	175.88	1862.12	1803.82	16.97	OSF1.50	10880.00	10780.45					MinPt-SF
1979.72	175.89	1862.12	1803.82	16.97	OSF1.50	10890.00	10790.44					MinPts
2262.67	335.19	2038.88	1927.48	10.15	OSF1.50	20340.00	11350.00					MinPt-SF
2262.69	369.95	2015.73	1892.74	9.19	OSF1.50	21551.20	11350.00					MinPt-CtCt
												MinPts

Coterra Triste Draw 36-25 Federal Com 402H Rev0 mdv 19Oct23 (DefinitivePlan)

99.99	32.81	98.71	67.18	N/A	MAS = 10.00 (m)	0.00	0.00					Warning Alert
99.98	32.81	98.70	67.18	N/A	MAS = 10.00 (m)	23.00	23.00					Surface
99.98	32.81	88.40	67.18	9.58	MAS = 10.00 (m)	1090.00	1090.00					WRP
99.98	32.81	81.58	67.18	5.68	MAS = 10.00 (m)	1800.00	1800.00					MinPt-EOU
100.72	32.81	79.73	67.91	4.99	MAS = 10.00 (m)	2070.00	2069.99	OSF<5.00				MinPts
65.53	45.35	34.96	20.17	2.18	OSF1.50	3097.11	3085.51					Enter Alert
65.83	46.27	34.65	19.56	2.15	OSF1.50	3160.00	3147.44					MinPt-CtCt
66.33	46.86	34.76	19.46	2.14	OSF1.50	3200.00	3186.84					MinPt-EOU
67.28	47.63	35.20	19.66	2.13	OSF1.50	3250.00	3236.08					MinPt-ADP
366.03	110.60	291.97	255.43	5.00	OSF1.50	6700.00	6633.69	OSF>5.00				MinPt-SF
659.93	172.05	544.90	487.88	5.78	OSF1.50	10870.00	10770.45					Exit Alert
659.93	172.05	544.90	487.88	5.78	OSF1.50	10880.00	10780.45					MinPt-EOU
1279.57	298.00	1080.58	981.57	6.46	OSF1.50	19500.00	11350.00					MinPts
1279.57	359.53	1039.56	920.04	5.35	OSF1.50	21540.00	11350.00					MinPt-CtCt
1279.57	359.82	1039.36	919.76	5.34	OSF1.50	21550.00	11350.00					MinPts
1279.57	359.82	1039.37	919.76	5.34	OSF1.50	21551.20	11350.00					TD

Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23 (DefinitivePlan)

84.85	32.81	83.56	52.04	N/A	MAS = 10.00 (m)	0.00	0.00					Warning Alert
84.84	32.81	83.55	52.03	N/A	MAS = 10.00 (m)	23.00	23.00					Surface
84.84	32.81	73.25	52.03	8.11	MAS = 10.00 (m)	1090.00	1090.00					WRP
84.84	32.81	67.04	52.03	4.99	MAS = 10.00 (m)	1740.00	1740.00	OSF<5.00				MinPt-EOU
67.45	36.91	42.51	30.54	2.78	OSF1.50	2514.06	2511.31					Enter Alert
67.46	36.97	42.49	30.49	2.77	OSF1.50	2520.00	2517.16					MinPt-CtCt
67.55	37.07	42.51	30.48	2.77	OSF1.50	2530.00	2527.01					MinPt-EOU
67.72	37.17	42.61	30.55	2.77	OSF1.50	2540.00	2536.86					MinPt-SF
151.35	46.12	120.28	105.23	5.00	OSF1.50	3160.00	3147.44	OSF>5.00				MinPt-ADP
1397.90	173.53	1281.88	1224.37	12.14	OSF1.50	10880.00	10780.45					Exit Alert
1397.90	173.53	1281.88	1224.37	12.14	OSF1.50	10890.00	10790.44					MinPts
1543.61	156.98	1438.63	1386.63	14.83	OSF1.50	11900.00	11349.98					MinPt-SF
1543.88	333.42	1321.25	1210.44	6.96	OSF1.50	20332.15	11350.00					MinPt-CtCt
1543.90	368.67	1297.79	1175.23	6.29	OSF1.50	21550.00	11350.00					MinPts
1543.90	368.67	1297.79	1175.23	6.29	OSF1.50	21551.20	11350.00					TD

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

3693.81	32.81	3691.76	3661.00	51969.94	MAS = 10.00 (m)	0.00	0.00					Warning Alert
3693.83	32.81	3691.68	3661.02	21770.87	MAS = 10.00 (m)	23.00	23.00					MinPts
3694.01	32.81	3691.57	3661.20	8017.11	MAS = 10.00 (m)	80.00	80.00					WRP
3691.01	32.81	3681.54	3658.20	492.67	MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU
3690.22	32.81	3679.46	3657.41	409.66	MAS = 10.00 (m)	1310.00	1310.00					MinPts
3692.78	32.81	3677.19	3659.97	266.80	MAS = 10.00 (m)	2000.00	2000.00					MinPt-EOU
400.19	123.24	317.50	276.96	4.92	OSF1.50	10760.00	10660.46	OSF<5.00				Enter Alert
187.34	127.36	96.80	59.98	2.31	OSF1.50	11193.19	11074.69					MinPt-CtCt
187.85	128.07	96.59	59.78	2.31	OSF1.50	11210.00	11088.56					MinPts
385.74	128.12	294.50	257.62	4.59	OSF1.50	12070.00	11350.00	OSF>5.00				Exit Alert
382.52	125.38	293.10	257.14	5.08	OSF1.50	12310.00	11350.00					MinPt-SF
382.29	125.22	292.99	257.07	5.08	OSF1.50	12340.00	11350.00					MinPt-ADP
382.24	125.17	292.96	257.08	5.08	OSF1.50	12350.00	11350.00					MinPt-EOU
382.16	124.94	293.06	257.22	5.09	OSF1.50	12390.00	11350.00					MinPt-CtCt
376.27	121.48	289.46	254.79	5.17	OSF1.50	12890.00	11350.00					MinPt-SF
375.15	121.22	288.54	253.93	5.17	OSF1.50	13020.00	11350.00					MinPts
375.05	121.13	288.50	253.91	5.17	OSF1.50	13110.00	11350.00					MinPts
375.10	121.14	288.50	253.91	5.17	OSF1.50	13120.00	11350.00					MinPt-ADP
375.10	121.17	288.54	253.93	5.17	OSF1.50	13150.00	11350.00					MinPt-SF
374.95	121.24	288.36	253.72	5.16	OSF1.50	13320.00	11350.00					MinPt-CtCt
374.98	121.31	288.33	253.66	5.16	OSF1.50	13340.00	11350.00					MinPts
374.88	121.51	288.11	253.37	5.15	OSF1.50	13420.00	11350.00					MinPt-CtCt
374.93	121.67	288.07	253.27	5.14	OSF1.50	13450.00	11350.00					MinPt-EOU
374.97	121.71	288.08	253.26	5.14	OSF1.50	13460.00	11350.00					MinPt-ADP
375.28	122.12	288.13	253.16	5.12	OSF1.50	13560.00	11350.00					MinPt-EOU
375.49	122.37	288.18	253.12	5.11	OSF1.50	13600.00	11350.00					MinPt-ADP
378.34	123.65	290.23	254.69	5.08	OSF1.50	13790.00	11350.00					MinPt-SF
388.33	128.09	297.41	260.23	5.00	OSF1.50	14130.00	11350.00	OSF<5.00				Enter Alert
404.64	136.94	308.19	267.70	4.81	OSF1.50	14670.00	11350.00					MinPt-SF
413.90	140.01	315.52	273.89	4.79	OSF1.50	14920.00	11350.00					MinPt-SF
406.42	146.29	303.59	260.13	4.49	OSF1.50	15660.00	11350.00					MinPt-CtCt
406.65	146.90	303.42	259.78	4.47	OSF1.50	15680.00	11350.00					MinPts
408.63	148.01	304.68	260.62	4.46	OSF1.50	15720.00	11350.00					MinPt-SF
469.67	151.53	363.74	318.14	4.99	OSF1.50	15980.00	11350.00	OSF>5.00				Exit Alert
5604.55	134.71	5513.92	5469.84	63.55	OSF1.50	21551.20	11350.00					TD

30-025-41150 - TRISTE DRAW 25 FEDERAL COM 3H - MWD to 15359ft - A (DefinitiveSurvey)

4415.66	32.81	4413.68	4382.85	1253180.74	MAS = 10.00 (m)	0.00	0.00					Warning Alert
												MinPts

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		
	4415.73	32.81	4413.70	4382.92	86201.76	MAS = 10.00 (m)	23.00	23.00				WRP	
	4425.31	32.81	4416.72	4392.50	669.13	MAS = 10.00 (m)	740.00	740.00				MinPt-EOU	
	4427.21	32.81	4414.96	4394.40	430.91	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4427.00	32.81	4412.39	4394.20	344.33	MAS = 10.00 (m)	1350.00	1350.00				MinPts	
	4426.64	32.81	4405.57	4393.83	229.21	MAS = 10.00 (m)	2000.00	2000.00				MinPts	
	4426.78	32.81	4405.43	4393.97	225.88	MAS = 10.00 (m)	2030.00	2030.00				MinPt-EOU	
	5534.58	149.46	5434.40	5385.12	56.13	OSF1.50	10090.00	9990.46				MinPt-CtCt	
	5535.19	150.93	5434.03	5384.25	55.59	OSF1.50	10220.00	1020.46				MinPt-EOU	
	5536.72	153.42	5433.91	5383.30	54.69	OSF1.50	10400.00	1030.46				MinPt-EOU	
	5536.79	154.66	5433.14	5382.13	54.25	OSF1.50	10530.00	1040.46				MinPts	
	5538.34	154.81	5434.60	5383.53	54.21	OSF1.50	10680.00	1058.46				MinPt-SF	
	574.71	174.12	458.13	400.59	4.98	OSF1.50	16870.00	11350.00	OSF<5.00			Enter Alert	
	479.91	196.38	348.50	283.54	3.68	OSF1.50	17520.00	11350.00				MinPt-CtCt	
	480.39	197.88	347.97	282.51	3.66	OSF1.50	17580.00	11350.00				MinPt-EOU	
	479.71	215.93	335.26	263.78	3.35	OSF1.50	18320.00	11350.00				MinPt-CtCt	
	479.59	222.32	330.88	257.27	3.25	OSF1.50	18550.00	11350.00				MinPt-CtCt	
	485.93	241.93	324.15	244.00	3.02	OSF1.50	19180.00	11350.00				MinPt-EOU	
	478.87	285.46	288.06	193.41	2.52	OSF1.50	20534.03	11350.00				MinPt-CtCt	
	491.37	316.86	279.63	174.51	2.33	OSF1.50	21340.00	11350.00				MinPts	
	540.29	304.19	336.99	236.09	2.67	OSF1.50	21551.20	11350.00				TD	
30-025-47632 - WILD SALSA FED COM 224H - MWD to 22026ft - A (DefinitiveSurvey)													Warning Alert
	8730.77	32.81	8728.72	8697.97	109936.92	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8730.82	32.81	8728.70	8698.01	61575.79	MAS = 10.00 (m)	23.00	23.00				WRP	
	8732.53	32.81	8724.91	8699.72	1549.02	MAS = 10.00 (m)	620.00	620.00				MinPts	
	8731.83	32.81	8719.52	8699.02	845.04	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8731.67	32.81	8716.42	8698.86	647.17	MAS = 10.00 (m)	1410.00	1410.00				MinPts	
	8732.51	32.81	8715.34	8699.70	566.44	MAS = 10.00 (m)	1640.00	1640.00				MinPt-EOU	
	8751.52	35.30	8727.39	8716.21	391.28	OSF1.50	2180.00	2179.88				MinPts	
	8931.53	51.40	8896.68	8880.13	269.82	OSF1.50	3310.00	3295.17				MinPt-ADP	
	9427.31	96.02	9362.76	9331.29	149.76	OSF1.50	6050.00	5993.56				MinPt-ADP	
	9918.64	142.18	9823.32	9776.46	105.83	OSF1.50	9350.00	9250.46				MinPt-EOU	
	9920.26	144.09	9823.66	9776.16	104.42	OSF1.50	9510.00	9410.46				MinPt-ADP	
	9920.68	146.44	9822.52	9774.24	102.73	OSF1.50	9610.00	9510.46				MinPt-CtCt	
	9921.25	148.14	9821.96	9773.11	101.55	OSF1.50	9770.00	9670.46				MinPt-EOU	
	9921.96	148.99	9822.10	9772.97	100.97	OSF1.50	9850.00	9750.46				MinPt-ADP	
	9925.89	158.68	9819.56	9767.21	94.78	OSF1.50	10550.00	10450.46				MinPt-CtCt	
	9925.90	158.69	9819.55	9767.20	94.77	OSF1.50	10560.00	10460.46				MinPts	
	810.31	245.98	645.82	564.33	4.96	OSF1.50	20910.00	11350.00	OSF<5.00			Enter Alert	
	677.67	284.05	487.80	393.62	3.59	OSF1.50	21541.17	11350.00				MinPt-CtCt	
	677.71	284.36	487.65	393.37	3.59	OSF1.50	21551.20	11350.00				MinPts	
30-025-40688 - QUESO STATE 1H - Gyro-MWD to 15507ft - A (DefinitiveSurvey)													Warning Alert
	1282.74	32.81	1280.76	1249.94	N/A	MAS = 10.00 (m)	0.00	0.00				MinPts	
	1282.75	32.81	1280.77	1249.94	717683.14	MAS = 10.00 (m)	23.00	23.00				WRP	
	1282.27	32.81	1275.28	1249.46	255.37	MAS = 10.00 (m)	570.00	570.00				MinPts	
	1280.21	32.81	1268.04	1247.41	125.36	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	688.19	130.16	600.87	558.03	8.01	OSF1.50	8193.38	8104.40				MinPt-CtCt	
	688.98	132.25	600.29	556.73	7.89	OSF1.50	8320.00	8229.10				MinPt-EOU	
	693.22	137.25	601.16	555.97	7.65	OSF1.50	8620.00	8524.54				MinPt-ADP	
	690.76	156.10	586.16	534.66	6.69	OSF1.50	10090.00	9990.46				MinPt-CtCt	
	691.10	157.13	585.81	533.97	6.65	OSF1.50	10240.00	10140.46				MinPt-EOU	
	691.79	157.97	585.96	533.83	6.62	OSF1.50	10360.00	10260.46				MinPt-ADP	
	692.10	158.12	586.14	533.97	6.62	OSF1.50	10400.00	10300.46				MinPt-SF	
	879.95	172.22	764.64	707.74	7.72	OSF1.50	12990.00	11350.00				MinPt-EOU	
	881.28	173.84	764.89	707.44	7.66	OSF1.50	13060.00	11350.00				MinPt-ADP	
	858.13	222.40	709.36	635.73	5.82	OSF1.50	14620.00	11350.00				MinPt-CtCt	
	860.19	227.90	707.69	632.19	5.69	OSF1.50	14790.00	11350.00				MinPt-EOU	
	862.37	230.63	708.12	631.75	5.64	OSF1.50	14870.00	11350.00				MinPt-ADP	
	869.59	246.92	704.48	622.67	5.31	OSF1.50	15310.00	11350.00				MinPt-EOU	
	870.70	248.26	704.70	622.45	5.28	OSF1.50	15350.00	11350.00				MinPt-ADP	
	875.99	264.11	699.42	611.88	5.00	OSF1.50	15730.00	11350.00	OSF<5.00			Enter Alert	
	880.55	277.76	694.87	602.79	4.77	OSF1.50	16070.00	11350.00				MinPts	
	881.12	278.04	695.26	603.08	4.77	OSF1.50	16090.00	11350.00				MinPt-SF	
	913.93	275.36	729.86	638.57	5.00	OSF1.50	16300.00	11350.00	OSF<5.00			Exit Alert	
	5666.50	175.12	5449.26	5391.38	48.08	OSF1.50	21551.20	11350.00				TD	
30-025-47637 - WILD SALSA FED COM 323H - MWD to 23192ft - A (DefinitiveSurvey)													Warning Alert
	8821.26	32.81	8819.23	8788.45	173947.65	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8821.33	32.81	8819.25	8788.53	86260.27	MAS = 10.00 (m)	23.00	23.00				WRP	
	8824.20	32.81	8811.39	8791.39	814.78	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8817.83	32.81	8796.23	8785.02	444.27	MAS = 10.00 (m)	2020.00	2020.00				MinPts	
	8817.92	32.81	8796.16	8785.11	440.65	MAS = 10.00 (m)	2040.00	2040.00				MinPt-EOU	
	8819.36	33.09	8796.71	8786.27	422.19	OSF1.50	2110.00	2109.97				MinPt-ADP	
	8854.08	40.62	8826.41	8813.46	341.67	OSF1.50	2490.00	2487.61				MinPt-ADP	
	9840.24	137.89	9747.78	9702.35	108.29	OSF1.50	8760.00	8662.46				MinPt-ADP	
	9848.76	161.11	9740.81	9687.65	92.61	OSF1.50	10470.00	10370.46				MinPt-CtCt	
	9848.77	161.16	9740.79	9687.61	92.58	OSF1.50	10490.00	10390.46				MinPt-EOU	
	9848.81	161.21	9740.80	9687.60	92.55	OSF1.50	10510.00	10410.46				MinPt-ADP	
	865.24	262.22	689.93	603.03	4.97	OSF1.50	20660.00	11350.00	OSF<5.00			Enter Alert	
	789.83	282.50	600.99	507.33	4.21	OSF1.50	21013.70	11350.00				MinPt-CtCt	
	789.85	282.61	600.95	507.24	4.21	OSF1.50	21020.00	11350.00				MinPt-EOU	
	789.99	282.76	600.99	507.23	4.21	OSF1.50	21030.00	11350.00				MinPt-ADP	
	790.26	282.89	601.17	507.37	4.20	OSF1.50	21040.00	11350.00				MinPt-SF	
	882.60	270.13	712.02	622.47	4.98	OSF1.50	21430.00	11350.00	OSF<5.00			Exit Alert	
	955.03	262.23	779.71</										

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		
	4479.02	32.81	4470.29	4446.21	663.59	MAS = 10.00 (m)	1010.00	1010.00				MinPt-EOU	
	5714.95	111.16	5640.30	5603.79	78.23	OSF 1.50	10400.00	10300.46				MinPt-SF	
	5713.40	111.01	5638.85	5602.39	78.32	OSF 1.50	10530.00	10430.46				MinPt-ADP	
	5713.39	111.00	5638.85	5602.39	78.33	OSF 1.50	10540.00	10440.46				MinPts	
	1206.81	187.81	1079.24	1018.99	9.96	OSF 1.50	17210.00	11350.00				MinPt-CtCt	
	1207.19	188.99	1078.84	1018.20	9.90	OSF 1.50	17260.00	11350.00				MinPt-EOU	
	1207.80	189.70	1078.98	1018.10	9.86	OSF 1.50	17290.00	11350.00				MinPt-ADP	
	1063.98	313.94	852.15	750.04	5.17	OSF 1.50	20624.51	11350.00				MinPt-CtCt	
	1066.20	320.22	850.12	745.97	5.08	OSF 1.50	20780.00	11350.00				MinPt-EOU	
	1072.49	327.49	851.55	745.00	5.00	OSF 1.50	20950.00	11350.00	OSF<5.00			Enter Alert	
	1089.88	380.68	833.52	709.20	4.35	OSF 1.50	21370.00	11350.00				MinPts	
	1112.16	378.49	856.92	733.68	4.48	OSF 1.50	21551.20	11350.00				TD	
Coterra Triste Draw 36-25 Federal Com 501H Rev0 mdr 19Oct23 (DefinitivePlan)													Pass
	103.07	32.81	101.78	70.26	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	103.06	32.81	101.78	70.26	N/A	MAS = 10.00 (m)	23.00	23.00				WRP	
	103.06	32.81	91.47	70.26	9.88	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	103.06	32.81	86.66	70.26	6.62	MAS = 10.00 (m)	1600.00	1600.00				MinPts	
	103.49	32.81	86.22	70.69	6.29	MAS = 10.00 (m)	1690.00	1690.00				MinPt-EOU	
	111.28	32.81	91.52	78.48	5.87	MAS = 10.00 (m)	1950.00	1950.00				MinPt-SF	
	1192.51	171.95	1077.55	1020.56	10.45	OSF 1.50	10857.06	10757.52				MinPt-CtCt	
	1192.51	171.96	1077.54	1020.55	10.45	OSF 1.50	10880.00	10780.45				MinPts	
	2113.26	326.22	1895.45	1787.04	9.74	OSF 1.50	20332.15	11350.00				MinPt-CtCt	
	2113.29	362.60	1871.23	1750.70	8.76	OSF 1.50	21551.20	11350.00				MinPts	
30-025-40667 - Cimarex Triste Draw 36 State 5H Gyro+MWD 0ft to 13910ft MD (DefinitiveSurvey)													Pass
	3698.98	32.81	3696.95	3666.17	72041.70	MAS = 10.00 (m)	0.00	0.00				Surface	
	3698.85	32.81	3696.73	3666.04	27369.29	MAS = 10.00 (m)	23.00	23.00				WRP	
	3690.76	32.81	3680.67	3657.96	454.27	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3690.67	32.81	3680.41	3657.87	434.03	MAS = 10.00 (m)	1150.00	1150.00				MinPts	
	3690.68	32.81	3678.93	3657.87	369.26	MAS = 10.00 (m)	1380.00	1380.00				MinPts	
	3690.94	32.81	3678.65	3658.13	350.64	MAS = 10.00 (m)	1460.00	1460.00				MinPt-EOU	
	3690.99	32.81	3677.90	3658.18	325.70	MAS = 10.00 (m)	1580.00	1580.00				MinPts	
	3691.08	32.81	3676.16	3658.27	280.41	MAS = 10.00 (m)	1850.00	1850.00				MinPts	
	3691.33	32.81	3675.32	3658.52	258.89	MAS = 10.00 (m)	2010.00	2010.00				MinPts	
	3691.41	32.81	3675.27	3658.60	256.61	MAS = 10.00 (m)	2030.00	2030.00				MinPt-EOU	
	558.64	164.79	446.41	393.85	5.25	OSF 1.50	9850.00	9750.46				MinPt-SF	
	558.62	164.84	446.34	393.79	5.25	OSF 1.50	9853.78	9754.23				MinPt-CtCt	
	558.66	164.91	446.27	393.75	5.25	OSF 1.50	9860.00	9760.46				MinPts	
	1573.13	122.86	1486.49	1450.28	21.52	OSF 1.50	12360.00	11350.00				MinPts	
	1562.08	118.13	1478.59	1443.96	22.35	OSF 1.50	13030.00	11350.00				MinPt-SF	
	1561.60	118.03	1478.18	1443.68	22.36	OSF 1.50	13130.00	11350.00				MinPts	
	1559.38	117.61	1476.24	1441.77	22.41	OSF 1.50	13360.00	11350.00				MinPt-CtCt	
	1559.40	117.69	1476.21	1441.71	22.39	OSF 1.50	13380.00	11350.00				MinPt-EOU	
	1559.43	117.73	1476.22	1441.70	22.38	OSF 1.50	13390.00	11350.00				MinPt-ADP	
	1559.81	117.96	1476.45	1441.85	22.34	OSF 1.50	13440.00	11350.00				MinPt-SF	
	1553.01	119.77	1468.44	1433.24	21.86	OSF 1.50	14070.00	11350.00				MinPt-CtCt	
	1553.17	120.32	1468.24	1432.85	21.75	OSF 1.50	14130.00	11350.00				MinPt-EOU	
	1553.31	120.50	1468.26	1432.81	21.71	OSF 1.50	14150.00	11350.00				MinPt-ADP	
	1563.82	124.66	1476.02	1439.17	21.02	OSF 1.50	14590.00	11350.00				MinPt-SF	
	1564.35	125.05	1476.26	1439.29	20.97	OSF 1.50	14680.00	11350.00				MinPt-CtCt	
	1564.67	125.97	1475.98	1438.71	20.79	OSF 1.50	14740.00	11350.00				MinPt-EOU	
	1565.05	126.43	1476.06	1438.62	20.71	OSF 1.50	14770.00	11350.00				MinPt-SF	
	1569.55	129.57	1478.48	1439.98	20.20	OSF 1.50	14990.00	11350.00				MinPt-ADP	
	1569.61	130.39	1477.97	1439.22	20.07	OSF 1.50	15100.00	11350.00				MinPt-CtCt	
	1570.25	132.30	1477.38	1437.95	19.75	OSF 1.50	15210.00	11350.00				MinPt-EOU	
	1570.82	133.00	1477.46	1437.82	19.64	OSF 1.50	15250.00	11350.00				MinPt-ADP	
	1569.93	135.43	1474.95	1434.50	19.23	OSF 1.50	15420.00	11350.00				MinPt-CtCt	
	1570.32	136.40	1474.69	1433.92	19.08	OSF 1.50	15460.00	11350.00				MinPt-EOU	
	1570.75	136.89	1474.81	1433.86	19.01	OSF 1.50	15480.00	11350.00				MinPt-ADP	
	1648.41	149.15	1544.49	1499.26	18.07	OSF 1.50	16030.00	11350.00				MinPt-SF	
	5895.11	157.48	5788.41	5737.63	58.00	OSF 1.50	21551.20	11350.00				TD	
Cimarex Triste Draw 25 Federal #3H Pilot Gyro+MWD 0ft to 10322.58ft MD (DefinitiveSurvey)													Pass
	4415.66	32.81	4413.68	4382.85	1243761.46	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4415.74	32.81	4413.72	4382.93	117553.68	MAS = 10.00 (m)	23.00	23.00				WRP	
	4424.66	32.81	4418.18	4391.85	983.26	MAS = 10.00 (m)	670.00	670.00				MinPt-EOU	
	4427.17	32.81	4417.58	4394.37	579.32	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4426.92	32.81	4415.55	4394.12	460.26	MAS = 10.00 (m)	1360.00	1360.00				MinPts	
	4426.53	32.81	4410.74	4393.72	315.34	MAS = 10.00 (m)	2000.00	2000.00				MinPts	
	4426.59	32.81	4410.67	4393.78	312.51	MAS = 10.00 (m)	2020.00	2020.00				MinPt-EOU	
	5534.95	108.63	5461.56	5425.92	77.61	OSF 1.50	10090.00	9990.46				MinPt-CtCt	
	5534.95	109.60	5461.26	5425.35	76.98	OSF 1.50	10190.00	10090.46				MinPt-EOU	
	5535.43	110.17	5461.37	5425.25	76.61	OSF 1.50	10250.00	10150.46				MinPt-ADP	
	5536.82	112.38	5461.31	5424.44	75.07	OSF 1.50	10420.00	10320.46				MinPt-EOU	
	5536.87	112.44	5461.32	5424.44	75.04	OSF 1.50	10430.00	10330.46				MinPts	
	1101.96	162.83	988.34	939.12	11.04	OSF 1.50	16713.53	11350.00				MinPt-CtCt	
	1102.27	163.73	988.06	938.54	10.98	OSF 1.50	16740.00	11350.00				MinPt-EOU	
	1102.56	164.06	988.13	938.50	10.96	OSF 1.50	16750.00	11350.00				MinPt-SF	
	1117.62	168.14	1000.53	949.48	10.80	OSF 1.50	16900.00	11350.00				MinPt-ADP	
	4961.59	145.36	4863.20	4816.23	52.77	OSF 1.50	21551.20	11350.00				TD	
30-025-47640 - WILD SALSA FED COM 404H - MWD to 23199ft - A (DefinitiveSurvey)													Pass
	8825.81	32.81	8823.82	8793.00	885240.18	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8825.93	32.81	8823.90	8793.12	175749.93	MAS = 10.00 (m)	23.00	23.00				WRP	
	8852.29	32.81	8838.42	8819.48	731.02	MAS = 10.00 (m)	1310.00	1310.00				MinPt-EOU	
	8859.67	32.81	8841.29	8826.87	532.98	MAS = 10.00 (m)	1760.00	1760.00				MinPt-EOU	
	8860.20	32.81	8841.30	8827.39	516.73	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
	8858.03	32.88	8835.53	8825.15	426.89	OSF 1.50	2050.00	2050.00				MinPt-CtCt	
	8858.10	33.08	8835.46	8825.02	424.21	OSF 1.50	2070.00	2069.99				MinPt-EOU	

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		
	3963.71	32.81	3960.78	3930.91	4164.16	MAS = 10.00 (m)	190.00	190.00				MinPts	
	3962.22	32.81	3952.91	3929.42	539.77	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3956.92	32.81	3943.25	3926.11	284.60	MAS = 10.00 (m)	2020.00	2020.00				MinPts	
	3959.01	32.81	3943.21	3926.20	281.87	MAS = 10.00 (m)	2040.00	2040.00				MinPt-EOU	
	1383.80	216.56	1237.63	1167.24	9.79	OSF1.50	9921.46	9821.92				MinPt-CtCt	
	1383.82	216.65	1237.58	1167.18	9.79	OSF1.50	9930.00	9830.46				MinPts	
	1833.01	186.78	1704.42	1646.23	15.65	OSF1.50	12130.00	11350.00				MinPts	
	1833.72	186.85	1705.13	1646.87	15.63	OSF1.50	12180.00	11350.00				MinPt-SF	
	1879.64	148.48	1776.57	1731.16	20.56	OSF1.50	13270.00	11350.00				MinPt-CtCt	
	1879.34	144.92	1778.63	1734.42	21.11	OSF1.50	13510.00	11350.00				MinPt-CtCt	
	1865.12	137.80	1769.11	1727.33	22.17	OSF1.50	14330.00	11350.00				MinPt-SF	
	1783.58	148.19	1680.63	1635.39	19.58	OSF1.50	15720.00	11350.00				MinPt-CtCt	
	1783.78	148.85	1680.39	1634.93	19.48	OSF1.50	15750.00	11350.00				MinPt-EOU	
	1784.14	149.30	1680.45	1634.83	19.42	OSF1.50	15770.00	11350.00				MinPt-ADP	
	1836.30	157.64	1727.20	1678.66	18.79	OSF1.50	16200.00	11350.00				MinPt-SF	
	5784.62	161.17	5675.39	5623.45	55.64	OSF1.50	21551.20	11350.00				TD	
Cimarex Triste Draw 25 Federal #15H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4574.12	32.81	4572.12	4541.32	221260.98	MAS = 10.00 (m)	0.00	0.00				Surface	
	4574.12	32.81	4572.07	4541.32	63706.72	MAS = 10.00 (m)	23.00	23.00				WRP	
	4574.12	32.81	4563.47	4541.32	526.96	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4574.12	32.81	4556.08	4541.32	280.72	MAS = 10.00 (m)	2000.00	2000.00				MinPts	
	4574.19	32.81	4556.98	4541.39	277.97	MAS = 10.00 (m)	2020.00	2020.00				MinPt-EOU	
	5741.45	119.20	5661.41	5622.25	73.27	OSF1.50	9460.00	9360.46				MinPt-EOU	
	5741.52	119.29	5661.42	5622.23	73.23	OSF1.50	9470.00	9370.46				MinPt-ADP	
	5812.05	126.41	5726.65	5685.64	70.82	OSF1.50	10360.00	10260.46				MinPt-SF	
	1549.81	173.56	1429.33	1376.25	14.46	OSF1.50	17408.04	11350.00				MinPt-CtCt	
	1550.08	276.26	1361.10	1273.82	8.80	OSF1.50	21350.00	11350.00				MinPt-EOU	
	1550.30	276.52	1361.13	1273.78	8.79	OSF1.50	21360.00	11350.00				MinPt-ADP	
	1556.01	278.68	1365.29	1277.33	8.76	OSF1.50	21460.00	11350.00				MinPt-SF	
	1566.77	279.91	1375.14	1286.86	8.79	OSF1.50	21551.20	11350.00				TD	
30-025-42081 - Cimarex Triste Draw 25 Federal 7H MWD Off to 14577ft (DefinitiveSurvey)													Pass
	4692.88	32.81	4690.87	4660.05	557642.11	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4692.93	32.81	4690.90	4660.12	98845.68	MAS = 10.00 (m)	23.00	23.00				WRP	
	4694.60	32.81	4691.24	4661.79	3388.52	MAS = 10.00 (m)	240.00	240.00				MinPt-EOU	
	4696.63	32.81	4688.19	4663.82	727.26	MAS = 10.00 (m)	950.00	950.00				MinPts	
	4696.89	32.81	4687.46	4664.08	630.74	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4701.11	32.81	4685.55	4668.30	341.61	MAS = 10.00 (m)	2000.00	2000.00				MinPt-EOU	
	5420.38	107.10	5348.20	5313.28	77.56	OSF1.50	9420.00	9320.46				MinPt-CtCt	
	5420.56	107.59	5348.03	5312.97	77.28	OSF1.50	9470.00	9370.46				MinPt-EOU	
	5420.64	107.68	5348.04	5312.96	77.22	OSF1.50	9480.00	9380.46				MinPt-ADP	
	5490.91	115.55	5412.50	5375.36	73.86	OSF1.50	10360.00	10260.46				MinPt-SF	
	1691.39	174.26	1570.66	1517.13	15.67	OSF1.50	17120.00	11350.00				MinPt-CtCt	
	1692.09	176.35	1569.98	1515.74	15.48	OSF1.50	17210.00	11350.00				MinPt-EOU	
	1692.88	177.27	1570.13	1515.60	15.40	OSF1.50	17250.00	11350.00				MinPt-ADP	
	1706.98	191.01	1575.07	1515.97	14.33	OSF1.50	17840.00	11350.00				MinPt-ADP	
	1717.34	198.61	1580.35	1518.72	13.82	OSF1.50	18140.00	11350.00				MinPt-EOU	
	1700.07	228.32	1543.26	1471.75	11.79	OSF1.50	19200.00	11350.00				MinPt-CtCt	
	1689.19	251.06	1517.20	1438.13	10.59	OSF1.50	19953.53	11350.00				MinPt-CtCt	
	1690.33	258.62	1513.30	1431.71	10.27	OSF1.50	20190.00	11350.00				MinPt-CtCt	
	1695.02	279.11	1504.31	1415.91	9.51	OSF1.50	20830.00	11350.00				MinPt-EOU	
	1696.06	284.86	1501.57	1411.21	9.31	OSF1.50	20990.00	11350.00				MinPt-CtCt	
	1696.63	305.77	1488.09	1390.77	8.64	OSF1.50	21320.00	11350.00				MinPt-CtCt	
	1696.62	306.12	1487.92	1390.49	8.64	OSF1.50	21340.00	11350.00				MinPt-EOU	
	1696.75	306.29	1487.93	1390.46	8.63	OSF1.50	21350.00	11350.00				MinPt-ADP	
	1698.78	307.12	1489.34	1391.66	8.62	OSF1.50	21410.00	11350.00				MinPt-SF	
	1711.87	307.90	1501.77	1403.97	8.68	OSF1.50	21551.20	11350.00				TD	
30-025-47639 - WILD SALSA FED COM 093H - MWD to 20738ft - A (DefinitiveSurvey)													Pass
	8815.99	32.81	8813.65	8783.05	302812.80	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8815.99	32.81	8813.93	8783.18	118599.24	MAS = 10.00 (m)	23.00	23.00				WRP	
	8808.56	32.81	8793.44	8775.75	659.32	MAS = 10.00 (m)	1400.00	1400.00				MinPts	
	8809.29	32.81	8792.84	8776.48	599.46	MAS = 10.00 (m)	1570.00	1570.00				MinPt-EOU	
	8822.76	40.24	8795.35	8782.52	343.88	OSF1.50	2220.00	2219.78				MinPt-CtCt	
	8822.78	40.32	8795.31	8782.46	343.11	OSF1.50	2230.00	2229.75				MinPt-EOU	
	8822.84	40.41	8795.32	8782.43	342.35	OSF1.50	2240.00	2239.72				MinPt-ADP	
	9237.76	76.17	9186.39	9161.59	186.19	OSF1.50	4750.00	4713.30				MinPts	
	9419.65	91.55	9358.08	9328.10	157.07	OSF1.50	5720.00	5668.57				MinPts	
	9848.69	130.98	9750.83	9717.71	114.18	OSF1.50	8020.00	7933.65				MinPt-ADP	
	9996.86	147.36	9898.08	9849.50	102.87	OSF1.50	9250.00	9150.46				MinPt-ADP	
	10055.51	155.05	9951.60	9900.46	98.29	OSF1.50	10370.00	10270.46				MinPt-SF	
	1709.22	259.12	1535.98	1450.11	9.94	OSF1.50	21551.20	11350.00				MinPts	
30-025-47629 - WILD SALSA FED COM 215H - MWD to 21650ft - A (DefinitiveSurvey)													Pass
	8738.70	32.81	8736.70	8705.89	508661.43	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8738.80	32.81	8736.77	8705.99	150213.50	MAS = 10.00 (m)	23.00	23.00				WRP	
	8745.75	32.81	8733.28	8712.94	833.00	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8743.71	32.81	8728.45	8710.90	647.44	MAS = 10.00 (m)	1410.00	1410.00				MinPts	
	8743.99	32.81	8728.21	8711.18	623.70	MAS = 10.00 (m)	1490.00	1490.00				MinPt-EOU	
	8880.57	38.94	8854.03	8841.63	358.22	OSF1.50	2680.00	2674.73				MinPts	
	9231.01	60.70	9189.96	9170.31	234.89	OSF1.50	4170.00	4142.11				MinPts	
	9402.10	72.74	9353.08	9329.37	198.27	OSF1.50	4930.00	4890.57				MinPts	
	9543.66	86.29	9485.60	9457.37	169.03	OSF1.50	5570.00	5520.85				MinPts	
	10110.20	138.87	10017.08	9971.33	110.48	OSF1.50	9260.00	9160.46				MinPt-EOU	
	10105.10	153.87	10001.98	9951.23	99.54	OSF1.50	10310.00	10210.46				MinPt-CtCt	
	10105.20	154.26	10001.83	9950.95	99.29	OSF1.50	10360.00	10260.46				MinPt-EOU	
	10105.25	154.31	10001.84	9950.94	99.25	OSF1.50	10370.00	10270.46				MinPt-ADP	
	10108.76	154.60	10005.16	9954.17	99.10	OSF1.50	10610.00	10510.46				MinPt-SF	
	1750.33	286.44	1558.86	1463.88	9.21	OSF1.50	21551.20	11350.00					

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		
	1815.52	185.61	1691.28	1629.90	14.78	OSF1.50	17420.00	11350.00				MinPt-CtCt	
	1815.74	186.31	1691.03	1629.42	14.72	OSF1.50	17450.00	11350.00				MinPt-EOU	
	1816.10	186.77	1691.09	1629.33	14.69	OSF1.50	17470.00	11350.00				MinPt-ADP	
	1823.31	192.52	1694.46	1630.79	14.31	OSF1.50	17750.00	11350.00				MinPt-CtCt	
	1819.12	203.19	1683.16	1615.93	13.52	OSF1.50	18230.00	11350.00				MinPt-CtCt	
	1820.08	210.52	1679.24	1609.57	13.05	OSF1.50	18540.00	11350.00				MinPt-CtCt	
	1820.85	212.97	1678.37	1607.88	12.90	OSF1.50	18640.00	11350.00				MinPt-EOU	
	1821.85	214.19	1678.58	1607.68	12.84	OSF1.50	18690.00	11350.00				MinPt-ADP	
	1823.71	219.56	1676.83	1604.15	12.53	OSF1.50	18910.00	11350.00				MinPt-EOU	
	1824.53	220.54	1677.00	1603.99	12.48	OSF1.50	18950.00	11350.00				MinPt-ADP	
	1809.94	250.87	1642.19	1559.07	10.88	OSF1.50	20121.52	11350.00				MinPt-CtCt	
	1811.44	254.31	1641.40	1557.13	10.74	OSF1.50	20250.00	11350.00				MinPt-EOU	
	1814.19	259.45	1640.72	1554.73	10.54	OSF1.50	20440.00	11350.00				MinPt-EOU	
	1813.18	274.05	1629.98	1539.13	9.97	OSF1.50	20970.00	11350.00				MinPt-CtCt	
	1813.92	276.49	1629.10	1537.43	9.89	OSF1.50	21060.00	11350.00				MinPt-EOU	
	1814.80	277.55	1629.27	1537.25	9.85	OSF1.50	21100.00	11350.00				MinPt-ADP	
	1819.65	284.56	1629.45	1535.10	9.64	OSF1.50	21350.00	11350.00				MinPt-EOU	
	1819.85	284.80	1629.49	1535.05	9.63	OSF1.50	21360.00	11350.00				MinPt-ADP	
	1829.42	287.82	1637.04	1541.60	9.58	OSF1.50	21510.00	11350.00				MinPt-SF	
	1834.19	288.42	1641.41	1545.77	9.58	OSF1.50	21551.20	11350.00				TD	

Cimarex Triste Draw 25 Federal #14H Rev0 RM 22Mar17 (NonDefinitivePlan) Pass

4573.75	32.81	4571.75	4540.94	223647.47	MAS = 10.00 (m)	0.00	0.00	Surface
4573.75	32.81	4571.69	4540.94	63899.28	MAS = 10.00 (m)	23.00	23.00	WRP
4573.75	32.81	4563.09	4540.94	526.93	MAS = 10.00 (m)	1090.00	1090.00	MinPt-EOU
4573.75	32.81	4555.70	4540.94	280.70	MAS = 10.00 (m)	2000.00	2000.00	MinPts
4573.82	32.81	4555.61	4541.01	277.95	MAS = 10.00 (m)	2020.00	2020.00	MinPt-EOU
5882.49	124.25	5798.36	5758.24	73.25	OSF1.50	10360.00	10260.46	MinPt-SF
1939.63	174.89	1818.53	1764.63	17.87	OSF1.50	17495.53	11350.00	MinPt-CtCt
1939.93	276.62	1751.08	1663.31	10.98	OSF1.50	21360.00	11350.00	MinPt-EOU
1940.16	276.87	1751.13	1663.29	10.97	OSF1.50	21370.00	11350.00	MinPt-ADP
1950.79	280.19	1759.41	1670.60	10.91	OSF1.50	21530.00	11350.00	MinPt-SF
1953.18	280.52	1761.56	1672.66	10.91	OSF1.50	21551.20	11350.00	TD

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

4573.35	32.81	4571.28	4540.54	51881.61	MAS = 10.00 (m)	0.00	0.00	Surface
4573.25	32.81	4571.00	4540.44	22110.29	MAS = 10.00 (m)	23.00	23.00	WRP
4562.63	32.81	4550.19	4529.82	436.03	MAS = 10.00 (m)	1090.00	1090.00	MinPt-EOU
4559.33	32.81	4543.87	4526.53	332.60	MAS = 10.00 (m)	1440.00	1440.00	MinPts
4559.69	32.81	4543.51	4526.88	316.25	MAS = 10.00 (m)	1530.00	1530.00	MinPt-EOU
5874.79	142.89	5778.99	5731.90	62.36	OSF1.50	10170.00	10070.46	MinPt-SF
1961.02	182.79	1838.67	1778.24	16.21	OSF1.50	17710.00	11350.00	MinPt-CtCt
1942.39	213.70	1799.43	1728.69	13.72	OSF1.50	18994.63	11350.00	MinPt-CtCt
1944.02	218.48	1797.86	1725.54	13.43	OSF1.50	19180.00	11350.00	MinPt-EOU
1945.33	220.03	1798.14	1725.30	13.34	OSF1.50	19240.00	11350.00	MinPt-ADP
1949.98	225.46	1799.15	1724.50	13.05	OSF1.50	19450.00	11350.00	MinPt-CtCt
1950.88	229.69	1797.26	1721.20	12.81	OSF1.50	19610.00	11350.00	MinPt-EOU
1953.85	233.67	1797.57	1720.18	12.61	OSF1.50	19760.00	11350.00	MinPt-EOU
1955.16	235.25	1797.82	1719.91	12.54	OSF1.50	19820.00	11350.00	MinPt-ADP
1958.35	239.56	1798.15	1718.79	12.33	OSF1.50	19980.00	11350.00	MinPt-EOU
1961.43	243.60	1798.53	1717.83	12.14	OSF1.50	20130.00	11350.00	MinPt-EOU
1962.77	245.20	1798.80	1717.56	12.07	OSF1.50	20190.00	11350.00	MinPt-ADP
1968.70	251.59	1800.48	1717.11	11.80	OSF1.50	20420.00	11350.00	MinPt-CtCt
1979.12	277.61	1793.55	1701.51	10.74	OSF1.50	21350.00	11350.00	MinPt-EOU
1979.54	278.11	1793.63	1701.43	10.73	OSF1.50	21370.00	11350.00	MinPt-ADP
1992.35	281.77	1804.01	1710.58	10.66	OSF1.50	21550.00	11350.00	MinPt-SF
1992.49	281.79	1804.13	1710.71	10.66	OSF1.50	21551.20	11350.00	TD

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

4515.28	32.81	4513.29	4482.48	230823.35	MAS = 10.00 (m)	0.00	0.00	Surface
4515.28	32.81	4513.23	4482.48	63875.64	MAS = 10.00 (m)	23.00	23.00	WRP
4515.28	32.81	4504.62	4482.48	519.82	MAS = 10.00 (m)	1090.00	1090.00	MinPt-EOU
4515.28	32.81	4497.23	4482.48	277.01	MAS = 10.00 (m)	2000.00	2000.00	MinPts
4515.35	32.81	4497.14	4482.55	274.30	MAS = 10.00 (m)	2020.00	2020.00	MinPt-EOU
5836.66	116.83	5757.49	5719.83	77.44	OSF1.50	10360.00	10260.46	MinPt-SF
1986.38	173.00	1866.76	1813.39	18.49	OSF1.50	17342.09	11350.00	MinPt-CtCt
1986.82	279.04	1796.47	1707.79	11.13	OSF1.50	21360.00	11350.00	MinPt-EOU
1987.05	279.30	1796.51	1707.78	11.12	OSF1.50	21370.00	11350.00	MinPt-ADP
1998.56	282.90	1805.48	1715.66	11.05	OSF1.50	21540.00	11350.00	MinPt-SF
1999.82	283.08	1806.61	1716.74	11.05	OSF1.50	21551.20	11350.00	TD

30-025-42742 - QUESO STATE 7H - MWD to 13984ft - A (DefinitiveSurvey) Pass

3796.71	32.81	3794.73	3763.90	N/A	MAS = 10.00 (m)	0.00	0.00	Surface
3796.69	32.81	3794.71	3763.85	8635390.98	MAS = 10.00 (m)	10.00	10.00	MinPts
3796.69	32.81	3794.71	3763.89	1083731.54	MAS = 10.00 (m)	23.00	23.00	WRP
3796.84	32.81	3794.63	3764.03	16230.39	MAS = 10.00 (m)	80.00	80.00	MinPt-EOU
3797.15	32.81	3794.62	3764.34	6945.00	MAS = 10.00 (m)	130.00	130.00	MinPt-EOU
3797.40	32.81	3794.63	3764.60	4761.26	MAS = 10.00 (m)	160.00	160.00	MinPt-EOU
3803.39	32.81	3794.34	3770.58	537.45	MAS = 10.00 (m)	790.00	790.00	MinPt-EOU
3806.41	32.81	3794.45	3773.61	380.89	MAS = 10.00 (m)	1080.00	1080.00	MinPt-EOU
3809.37	32.81	3793.22	3776.56	264.68	MAS = 10.00 (m)	1520.00	1520.00	MinPt-EOU
5042.73	140.07	4948.81	4902.66	54.61	OSF1.50	9820.00	9720.46	MinPt-SF
2121.48	167.70	2009.15	1953.75	19.13	OSF1.50	16638.35	11350.00	MinPt-CtCt
2121.79	168.66	2008.85	1953.13	19.03	OSF1.50	16680.00	11350.00	MinPt-EOU
2122.18	169.12	2008.94	1953.05	18.98	OSF1.50	16700.00	11350.00	MinPt-ADP
2125.86	172.36	2010.45	1953.50	18.65	OSF1.50	16850.00	11350.00	MinPt-CtCt
2126.42	174.58	2009.53	1951.84	18.42	OSF1.50	16950.00	11350.00	MinPt-EOU
2127.16	175.47	2009.68	1951.69	18.33	OSF1.50	16990.00	11350.00	MinPt-ADP
2128.66	186.10	2003.99	1942.46	17.28	OSF1.50	17450.00	11350.00	MinPt-CtCt
2129.18	187.80	2003.47	1941.37	17.13	OSF1.50	17520.00	11350.00	MinPt-EOU
2129.80	188.52	2003.62	1941.27	17.07	OSF1.50	17550.00	11350.00	MinPt-ADP
2154.13	205.34	2016.73	1948.79	15.84	OSF1.50	18180.00	11350.00	MinPt-EOU
2154.98	206.39	2016.89	1948.59	15.77	OSF1.50	18220.00	11350.00	MinPt-ADP
2139.67	249.13	1973.09	1890.55	12.95	OSF1.50	19640.00	11350.00	MinPt-CtCt
2139.68	262.71	1964.02	1876.95	12.28	OSF1.50	20070.00	11350.00	MinPt-CtCt
2135.33	277.69	1949.70	1857.64	11.59	OSF1.50	20530.00	11350.00	MinPt-CtCt
2135.37	283.72	1945.72	1851.65	11.34	OSF1.50	20720.00	11350.00	MinPt-CtCt
2135.80	286.64	1944.21	1849.16	11.23	OSF1.50	20820.00	11350.00	MinPt-EOU
2136.15	287.09	1944.26	1849.06	11.21	OSF1.50	20840.00	11350.00	MinPt-ADP
2147.67	290.31	1953.64	1857.37	11.15	OSF1.50	21020.00	11350.00	MinPt-SF
2266.26	291.84	2071.20	1974.42	11.70	OSF1.50	21551.20	11350.00	TD

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		
30-025-47635 - WILD SALSA FED.COM.094H - MWD to 20459ft - A (DefinitiveSurvey)													Pass
	8734.33	32.81	8732.28	8701.52		MAS = 10.00 (m)	0.00	0.00					MinPts
	8734.35	32.81	8732.28	8701.54	95990.92	MAS = 10.00 (m)	10.00	10.00					MinPt-EOU
	8734.38	32.81	8732.28	8701.57	70740.25	MAS = 10.00 (m)	23.00	23.00					WRP
	8734.47	32.81	8732.28	8701.66	41085.60	MAS = 10.00 (m)	50.00	50.00					MinPt-EOU
	8735.03	32.81	8732.29	8702.22	11438.16	MAS = 10.00 (m)	150.00	150.00					MinPt-EOU
	8738.43	32.81	8733.02	8705.62	2548.48	MAS = 10.00 (m)	440.00	440.00					MinPt-EOU
	8742.92	32.81	8730.87	8710.12	867.87	MAS = 10.00 (m)	1090.00	1090.00					MinPt-EOU
	8744.67	32.81	8729.47	8711.86	650.53	MAS = 10.00 (m)	1440.00	1440.00					MinPt-EOU
	9764.62	107.37	9692.50	9657.25	138.47	OSF1.50	7070.00	6998.08					MinPts
	10144.97	144.25	10048.27	10000.72	106.67	OSF1.50	10370.00	10270.46					MinPt-SF
	2202.39	266.98	2023.93	1935.46	12.44	OSF1.50	21551.20	11350.00					MinPts
30-025-31929 - TRISTE DRAW 36 STATE 001 - INC Only to 9150ft - P&G (DefinitiveSurvey)													Pass
	2720.93	32.81	2718.93	2688.12	171836.65	MAS = 10.00 (m)	0.00	0.00					Surface
	2720.93	32.81	2718.53	2688.12	6470.84	MAS = 10.00 (m)	23.00	23.00					WRP
	2720.93	116.86	2642.44	2604.07	35.44	OSF1.50	2000.00	2000.00					MinPt-CtCt
	2724.24	127.02	2638.97	2597.21	32.60	OSF1.50	2160.00	2159.92					MinPt-EOU
	2727.19	130.69	2639.47	2596.50	31.71	OSF1.50	2220.00	2219.78					MinPt-ADP
	3669.95	613.11	3260.67	3056.84	9.00	OSF1.50	9230.00	9130.46					MinPts
	3669.97	613.12	3260.69	3056.85	9.00	OSF1.50	9240.00	9140.46					MinPt-SF
	3018.77	427.72	2733.12	2591.05	10.62	OSF1.50	13400.00	11350.00					MinPt-SF
	2851.64	403.87	2581.90	2447.77	10.62	OSF1.50	14390.00	11350.00					MinPt-CtCt
	2851.68	403.93	2581.87	2447.73	10.62	OSF1.50	14400.00	11350.00					MinPt-EOU
	2851.71	404.00	2581.88	2447.72	10.62	OSF1.50	14410.00	11350.00					MinPt-ADP
	3085.95	446.93	2787.49	2639.01	10.39	OSF1.50	15570.00	11350.00					MinPt-SF
	7707.60	600.25	7306.93	7107.34	19.31	OSF1.50	21551.20	11350.00					TD
Estacodo Fields #002 (Offset) Plugged SWD Blind Off-5206ft (DefinitiveSurvey)													Pass
	5386.93	32.81	5384.35	5354.12	9017.55	MAS = 10.00 (m)	0.00	0.00					Surface
	5386.93	32.81	5381.94	5354.12	1790.94	MAS = 10.00 (m)	23.00	23.00					WRP
	5386.93	603.61	4983.94	4783.32	13.42	OSF1.50	2000.00	2000.00					MinPt-CtCt
	5868.79	1605.39	4797.99	4263.40	5.49	OSF1.50	5230.00	5186.01					MinPts
	6470.09	518.91	6122.50	5951.18	18.87	OSF1.50	17360.00	11350.00					MinPt-CtCt
	6470.37	519.53	6122.38	5950.83	18.85	OSF1.50	17420.00	11350.00					MinPt-EOU
	6471.82	521.19	6122.70	5950.63	18.79	OSF1.50	17510.00	11350.00					MinPt-ADP
	7708.63	994.11	7044.42	6714.52	11.63	OSF1.50	21551.20	11350.00					MinPt-SF
H L Johnston L SR Pre-Ongard Well #001 (Offset) Plugged Oil Blind Off-5151ft (DefinitiveSurvey)													Pass
	8309.70	32.81	8305.08	8276.89	3146.76	MAS = 10.00 (m)	0.00	0.00					Surface
	8309.70	32.81	8302.67	8276.89	1645.19	MAS = 10.00 (m)	23.00	23.00					WRP
	8309.70	609.73	7902.62	7699.96	20.50	OSF1.50	2000.00	2000.00					MinPt-CtCt
	8813.22	1586.72	7754.86	7226.50	8.34	OSF1.50	5150.00	5107.23					MinPt-EOU
	8814.95	1588.47	7755.43	7226.48	8.33	OSF1.50	5160.00	5117.08					MinPts
	8789.26	1125.63	8037.50	7663.63	11.75	OSF1.50	14470.00	11350.00					MinPt-SF
	6346.47	358.59	6105.75	5987.88	26.90	OSF1.50	19490.00	11350.00					MinPt-ADP
	6237.21	233.98	6079.53	6003.23	40.84	OSF1.50	20662.61	11350.00					MinPt-CtCt
	6272.81	301.96	6069.81	5970.83	31.66	OSF1.50	21330.00	11350.00					MinPt-EOU
	6300.18	339.70	6072.04	5960.45	28.21	OSF1.50	21551.20	11350.00					MinPts
Continental - Pre-Ongard Well #003 (Offset) Plugged Oil Blind Off-5200ft (DefinitiveSurvey)													Pass
	7390.35	32.81	7387.86	7357.54	14324.79	MAS = 10.00 (m)	0.00	0.00					Surface
	7390.35	32.81	7387.46	7357.54	8096.62	MAS = 10.00 (m)	23.00	23.00					WRP
	7390.35	106.31	7318.89	7284.04	106.00	OSF1.50	2000.00	2000.00					MinPt-CtCt
	7392.08	111.58	7317.11	7280.50	100.94	OSF1.50	2100.00	2099.98					MinPt-EOU
	7394.25	114.21	7317.52	7280.04	98.61	OSF1.50	2150.00	2149.93					MinPt-ADP
	7902.51	273.59	7719.58	7628.92	43.58	OSF1.50	5220.00	5176.17					MinPt-SF
	6260.98	217.25	6114.45	6043.73	44.23	OSF1.50	19676.72	11350.00					MinPt-CtCt
	6261.83	219.73	6113.65	6042.09	43.72	OSF1.50	19780.00	11350.00					MinPt-EOU
	6262.85	220.95	6113.86	6041.90	43.48	OSF1.50	19830.00	11350.00					MinPt-ADP
	6535.55	265.37	6357.00	6270.18	37.61	OSF1.50	21551.20	11350.00					MinPt-SF



COTERRA

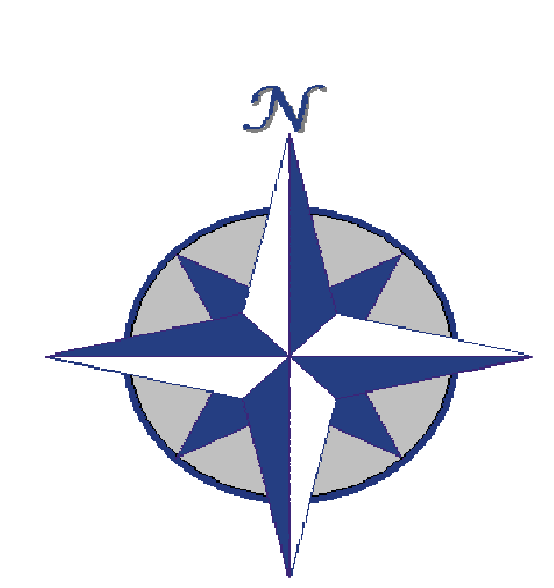
Rev0



Borehole: Triste Draw 36-25 Federal Com 302H	Well: Triste Draw 36-25 Federal Com 302H	Field: NM Lea County (NAD 83)	Structure: 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	Dip: 59.802°	Date: 29-Sep-2023	Lat: N 32 15 26.73	Northing: 458098.19ftUS	Grid Conv: 0.3757°	Slot: 302H	TVD Ref: RKB (3681.100 ft above MSL)
MagDec: 6.243°	FS: 47455.099nT	Gravity FS: 998.438mgn (9.80665 Based)	Lon: W 103 37 45.65	Easting: 758954.87ftUS	Scale Fact: 0.99996333	Plan: Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23	

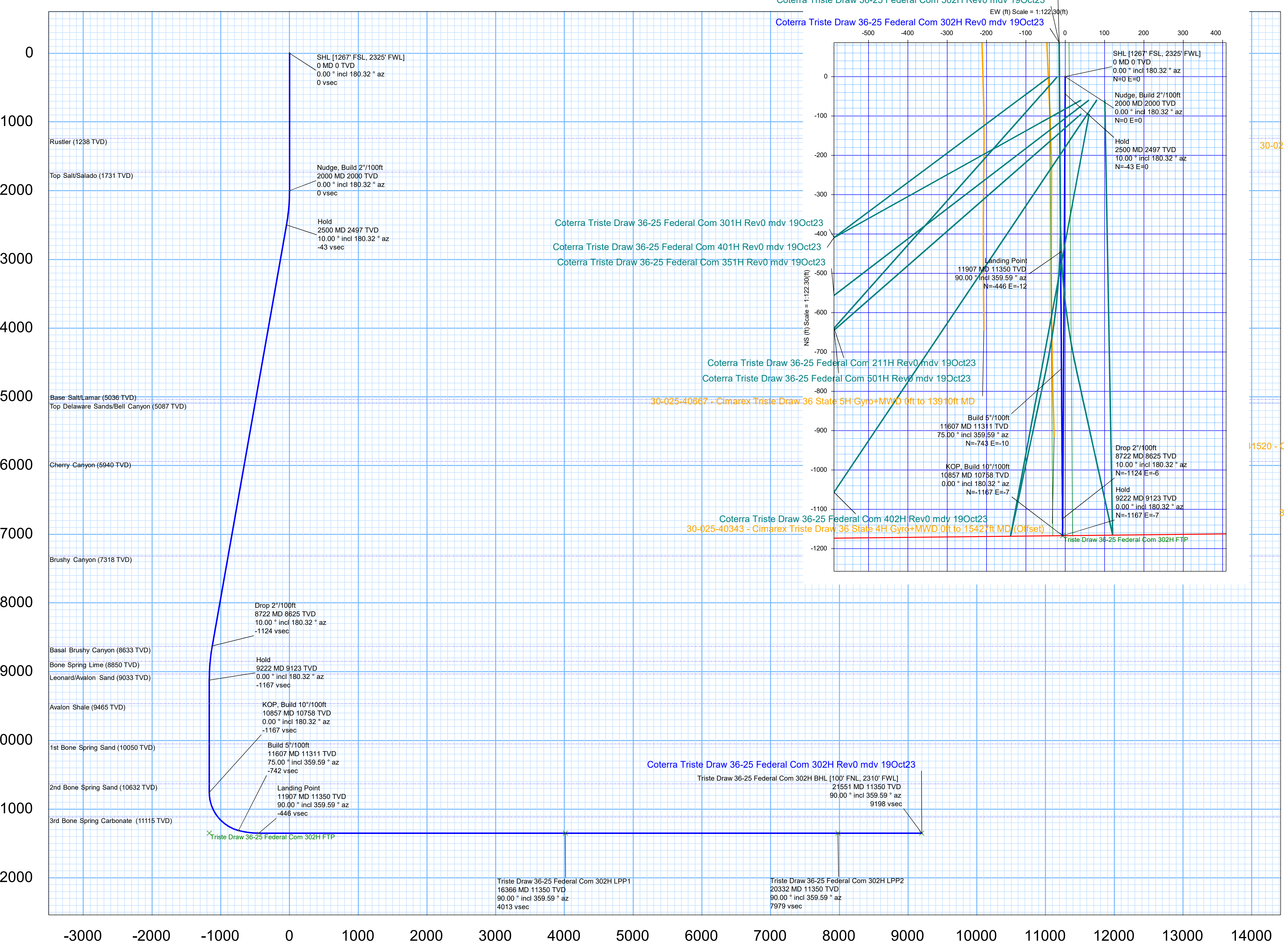
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [1267' FSL, 2325' FWL]	0.00	0.00	180.32	0.00	0.00	0.00	0.00	0.00
Rustler	1238.00	0.00	180.32	1238.00	0.00	0.00	0.00	0.00
Top Salt/Salado	1731.00	0.00	180.32	1731.00	0.00	0.00	0.00	0.00
Nudge, Build 2"/100ft	2000.00	0.00	180.32	2000.00	0.00	0.00	0.00	0.00
Hold	2499.86	10.00	180.32	2497.33	-43.49	-43.50	-0.24	2.00
Base Salt/Lamar	5077.67	10.00	180.32	5036.00	-490.97	-491.00	-2.76	0.00
Top Delaware Sands/Bell Canyon	5129.46	10.00	180.32	5087.00	-499.96	-499.99	-2.81	0.00
Cherry Canyon	5995.61	10.00	180.32	5940.00	-650.31	-650.35	-3.85	0.00
Brushy Canyon	7394.86	10.00	180.32	7318.00	-893.26	-893.26	-5.01	0.00
Drop 2"/100ft	8722.20	10.00	180.32	8625.19	-1123.61	-1123.68	-6.31	0.00
Basal Brushy Canyon	8730.13	9.84	180.32	8633.00	-1124.97	-1125.05	-6.31	2.00
Bone Spring Lime	8949.13	5.46	180.32	8850.00	-1154.11	-1154.19	-6.48	2.00
Leonard/Avalon Sand	9132.53	1.79	180.32	9033.00	-1165.70	-1165.78	-6.54	2.00
Hold	9222.06	0.00	180.32	9122.52	-1167.10	-1167.18	-6.55	2.00
Avalon Shale	9564.54	0.00	180.32	9465.00	-1167.10	-1167.18	-6.55	0.00
1st Bone Spring Sand	10149.54	0.00	180.32	10050.00	-1167.10	-1167.18	-6.55	0.00
2nd Bone Spring Sand	10731.54	0.00	180.32	10632.00	-1167.10	-1167.18	-6.55	0.00
KOP, Build 10"/100ft	10857.06	0.00	180.32	10757.52	-1167.10	-1167.18	-6.55	0.00
3rd Bone Spring Carbonate	11243.09	38.60	359.59	11115.00	-1041.91	-1041.99	-7.45	10.00
Build 5"/100ft	11607.06	75.00	359.59	11310.95	-742.44	-742.53	-9.59	10.00
Hold	11907.06	90.00	359.59	11350.00	-445.85	-445.95	-11.70	5.00
Triste Draw 36-25 Federal Com 302H LPP1	16366.09	90.00	359.59	11350.00	4013.17	4012.97	-43.28	0.00
Triste Draw 36-25 Federal Com 302H LPP2	20332.15	90.00	359.59	11350.00	7979.24	7978.93	-71.40	0.00
Triste Draw 36-25 Federal Com 302H BHL [100' FNL, 2310' FWL]	21551.20	90.00	359.59	11350.00	9198.28	9197.95	-80.05	0.00



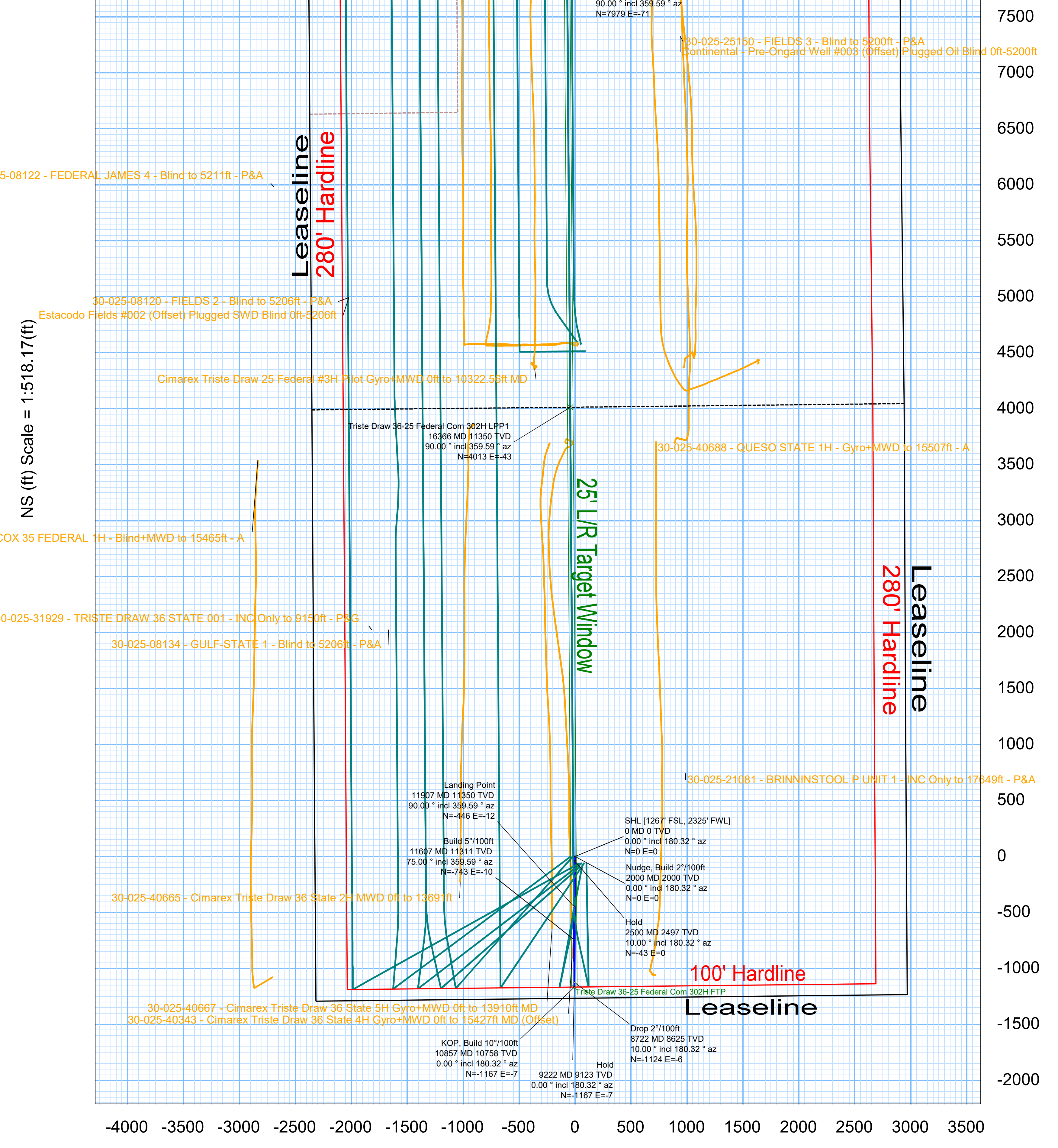
Grid
True
Mag

Grid North
Tot Corr (M->G 5.867°)
Mag Dec (6.243°)
Grid Conv (0.376°)

CONTROLLED	
Plan ref	Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23
Drawing ref	
Copy number	of 3
Date	23-Oct-2023
Client	
Office	



Vertical Section (ft) Azim = 359.59° Scale = 1:700.00(ft) Origin = 0N/-S, 0E/-W



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

All rights reserved. Coterra Energy Services, Inc. 2023. All rights reserved.

1. Geological Formations

TVD of target 11,350
MD at TD 21,551

Pilot Hole TD N/A
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	Hydrocarbons	
Basal Brushy Canyon	8633	N/A	
Bone Spring Lime	8850	N/A	
Leonard/Avalon Sand	9033	Hydrocarbons	
Avalon Shale	9465	Hydrocarbons	
1st Bone Spring Sand	10050	Hydrocarbons	
2nd Bone Spring Sand	10632	Hydrocarbons	
3rd Bone Spring Carbonate	11115	Hydrocarbons	
3rd Carb/Harkey - Target	11350	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
14 3/4	0	1288	1288	10-3/4"	40.50	J-55	BT&C	2.83	5.61	12.06
9 7/8	0	11607	11310	7-5/8"	29.70	L-80	BT&C	2.71	1.30	1.98
6 3/4	0	10807	10807	5-1/2"	23.00	L-80	LT&C	2.03	1.79	2.39
6 3/4	10807	21551	11350	5"	18.00	P-110	BT&C	2.33	2.35	59.34
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 302H

	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	# Sks	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	500	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	134	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	908	10.30	3.64	22.18		Lead: Tuned Light + LCM
	198	14.80	1.36	6.57	9.5	Tail: Class C + Retarder
Production	1385	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	49
Production	11407	25

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
9 7/8	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		
6 3/4	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 11607'	Brine Diesel Emulsion	8.50 - 9.00	30-35	N/C
11607' to 21551'	OBM	9.30 - 9.80	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.

The Brine Emulsion is completely saturated brine fluid that ties diesel into itself to lower the weight of the fluid. The drilling fluid is completely salt saturated.

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	5783 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	H2S is present
X	H2S plan is attached

8. Other Facets of Operation

9. Wellhead

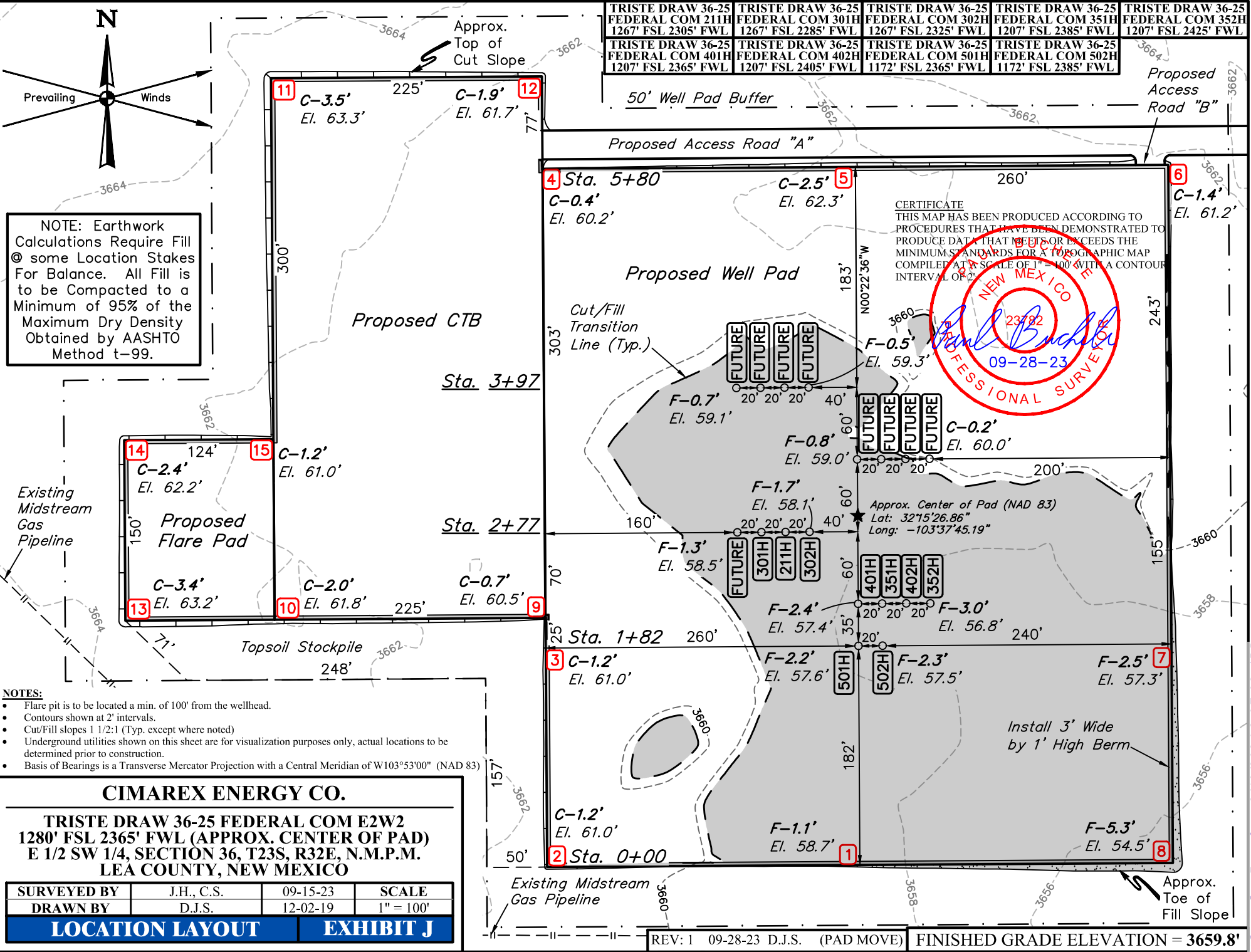
- The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.
- A packoff will be installed after running and cementing the production casing. This packoff will be tested to 10K psi.

BOPE Additional Information & Testing

- 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.
- All BOP equipment will be tested utilizing a conventional test plug.
- A remote kill line is included in the BOPE system
- 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.
- 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

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.



NOTE: Earthwork Calculations Require Fill @ some Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

- NOTES:**
- Flare pit is to be located a min. of 100' from the wellhead.
 - Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
 - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
 - Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

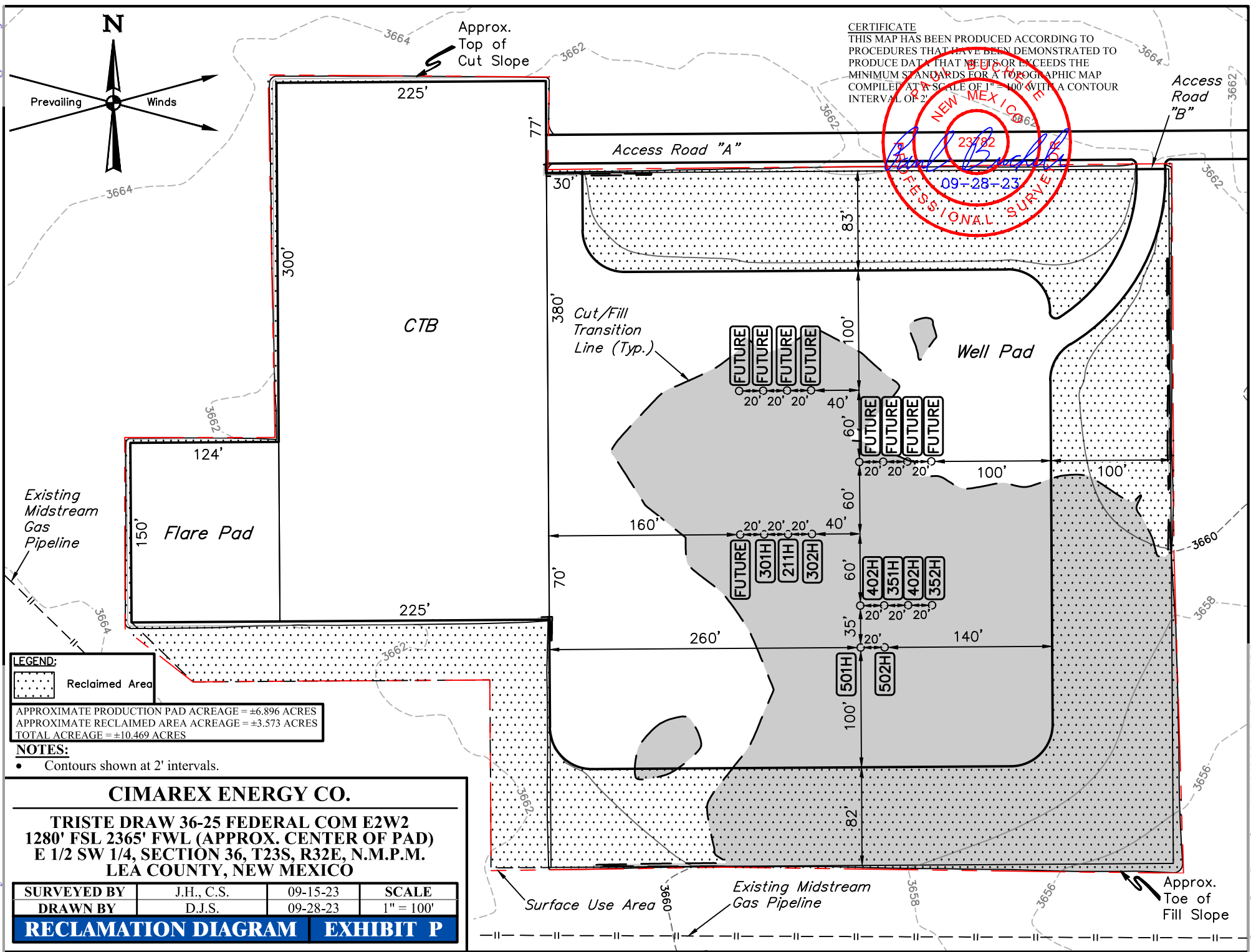
CIMAREX ENERGY CO.

TRISTE DRAW 36-25 FEDERAL COM E2W2
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

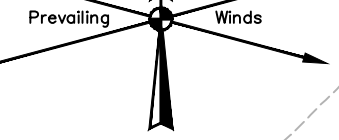
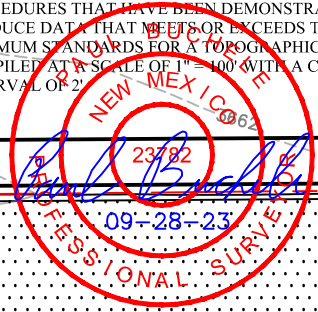
SURVEYED BY	J.H., C.S.	09-15-23	SCALE
DRAWN BY	D.J.S.	12-02-19	1" = 100'

LOCATION LAYOUT EXHIBIT J

TRISTE DRAW 36-25 FEDERAL COM 211H 1267' FSL 2305' FWL	TRISTE DRAW 36-25 FEDERAL COM 301H 1267' FSL 2285' FWL	TRISTE DRAW 36-25 FEDERAL COM 302H 1267' FSL 2325' FWL	TRISTE DRAW 36-25 FEDERAL COM 351H 1207' FSL 2385' FWL	TRISTE DRAW 36-25 FEDERAL COM 352H 1207' FSL 2425' FWL
TRISTE DRAW 36-25 FEDERAL COM 401H 1207' FSL 2365' FWL	TRISTE DRAW 36-25 FEDERAL COM 402H 1207' FSL 2405' FWL	TRISTE DRAW 36-25 FEDERAL COM 501H 1172' FSL 2365' FWL	TRISTE DRAW 36-25 FEDERAL COM 502H 1172' FSL 2385' FWL	



CERTIFICATE
 THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1"=100' WITH A CONTOUR INTERVAL OF 2'



LEGEND:
 Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±6.896 ACRES
 APPROXIMATE RECLAIMED AREA ACREAGE = ±3.573 ACRES
 TOTAL ACREAGE = ±10.469 ACRES

NOTES:
 • Contours shown at 2' intervals.

CIMAREX ENERGY CO.

TRISTE DRAW 36-25 FEDERAL COM E2W2
 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	D.J.S.	09-28-23	1" = 100'

RECLAMATION DIAGRAM EXHIBIT P

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	302H	N, Sec 36 T23S, R32E	1267 FSL/2325	FWL 1270	2503	2401

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	302H	7/15/2026	9/19/2026	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: <i>Sarah Jordan</i>	
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 #3: Omit the DV Tool from the Intermediate Casing

Coterra requests approval to omit the DV tool from the intermediate casing string. In lieu of a DV tool, Coterra will retain the option to pump down the intermediate annulus through casing valves with the appropriate cement slurry in the event returns to surface are not achieved on the primary job.

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.

Variance Request #5: 10M BOPE & 5M Annular

Coterra requests permission to utilize a 5M annular BOP with a 10M BOP primary system. The 10M BOP system will include upper pipe rams, blind rams, and lower pipe rams, all tested to 10K, 100% of the rated working pressure. The annular element will be tested to 5K, 100% of the rated working pressure. As noted in the well control plan, if pressure approaches the rated working pressure of the 5K annular element while in use, the upper pipe rams will be closed, and the annular opened so as to not exceed the rated working pressures.

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.



CERTIFICATE OF QUALITY

LTYT/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	
--------------------------------------------	---------------------------------------------------------------------------------------



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

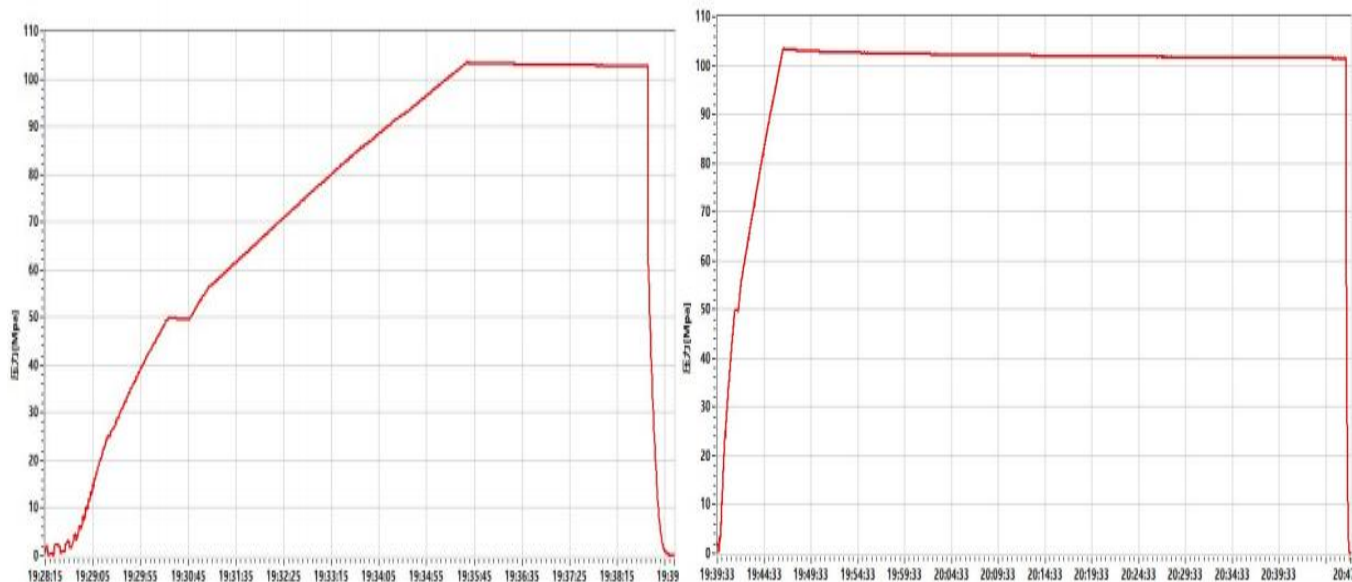
Rate of length change

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

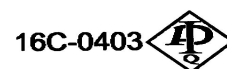
customer number: PO890145-001

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



LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	
--------------------------------------------	--



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

SUPO Data Report

11/12/2025

APD ID: 10400095870

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: 302H

[Show Final Text](#)

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Triste_Draw_36_25_Federal_Com_Existing_Roads_Plat_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? YES

New Road Map:

Triste_Draw_36_25_Federal_Com_New_Road_Plat_20231115141035.pdf

New road type: RESOURCE

Length: 727 Feet

Width (ft.): 30

Max slope (%): 0

Max grade (%): 0

Army Corp of Engineers (ACOE) permit required? N

ACOE Permit Number(s):

New road travel width: 24

New road access erosion control: Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided.

New road access plan or profile prepared? N

New road access plan

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Access road engineering design? N

Access road engineering design

Turnout? N

Access surfacing type: GRAVEL

Access topsoil source: BOTH

Access surfacing type description:

Access onsite topsoil source depth: 4

Offsite topsoil source description: Onsite and from Caliche pit (NNE, Section 21, T23S, R32E or SENE, Section 20, T23S, R33)

Onsite topsoil removal process: The topsoil shall be stripped and salvaged to provide for sufficient quantities to be respreads to a depth that will be determined at the on-site over the disturbed areas needing reclamation. Topsoil shall be stockpiled separately from subsoil materials.

Access other construction information:

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

Drainage Control

New road drainage crossing: CULVERT

Drainage Control comments: All drainage ditches will be kept clear and free-flowing and will be maintained to good standards. All culverts will be kept free of trash, free-flowing, and serviceable. The access road disturbed area will be kept free of trash during operations. All traffic will be confined to the approved road running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause excess siltation or accumulation of debris in the drainage, nor shall the drainage be blocked by the roadbed.

Road Drainage Control Structures (DCS) description: Drainage structures or drainage dips will be placed in all natural drainage ways

Road Drainage Control Structures (DCS) attachment:

Access Additional Attachments

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

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.

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

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: PIPELINE
TRUCKING

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

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:

Operator Name: CIMAREX ENERGY COMPANY	
Well Name: TRISTE DRAW 36-25 FEDERAL COM	Well Number: 302H

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: YES

Construction Materials description: Caliche will be obtained from the actual well sit if available. If caliche is not available onsite, caliche will be hauled from an existing caliche pit on private land in NNE, Section 21, T23S, R32E or SENE, Section 20, T23S, R33.

Construction Materials source location

Section 7 - Methods for Handling

Waste type: PRODUCED WATER

Waste content description: After first production, produced water will be confined to storage tanks on location and then disposed of in an approved location or recycled on location for future use.

Amount of waste: 400 barrels

Waste disposal frequency : Daily

Safe containment description: Flowline to an approved disposal location

Safe containmant attachment:

Waste disposal type: OFF-LEASE INJECTION **Disposal location ownership:** FEDERAL

Disposal type description:

Disposal location description: NGL disposal facility.

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:

Operator Name: CIMAREX ENERGY COMPANY
Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 302H

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL FACILITY

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 FACILITY

Disposal type description:

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

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 kept in secondary containment.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL FACILITY

Disposal type description:

Disposal location description: Haul to R360 Environmental Solutions, 4507 Carlsbad Hwy, Hobbs, NM 88240

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

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Cuttings Area

Cuttings Area being used? NO

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: 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:** 302H

Well pad proposed disturbance (acres): 10.469	Well pad interim reclamation (acres): 3.573	Well pad long term disturbance (acres): 6.896
Road proposed disturbance (acres): 0.501	Road interim reclamation (acres): 0	Road long term disturbance (acres): 0.501
Powerline proposed disturbance (acres): 0	Powerline interim reclamation (acres): 0	Powerline long term disturbance (acres): 0
Pipeline proposed disturbance (acres): 1.048	Pipeline interim reclamation (acres): 1.048	Pipeline long term disturbance (acres): 0
Other proposed disturbance (acres): 0	Other interim reclamation (acres): 0	Other long term disturbance (acres): 0
Total proposed disturbance: 12.017999999999999	Total interim reclamation: 4.621	Total long term disturbance: 7.397

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: 302H

Seed harvest description attachment:

Seed

Seed Table

Seed Summary	
Seed Type	Pounds/Acre

Total 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: 302H

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:

Disturbance type: NEW ACCESS ROAD

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:

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Disturbance type: PIPELINE

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:

Disturbance type: OTHER

Describe: Powerline

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:

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

Section 12 - Other

Right of Way needed? Y

Use APD as ROW? N

ROW Type(s):

ROW

SUPO Additional Information: State ROW will be obtained

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.

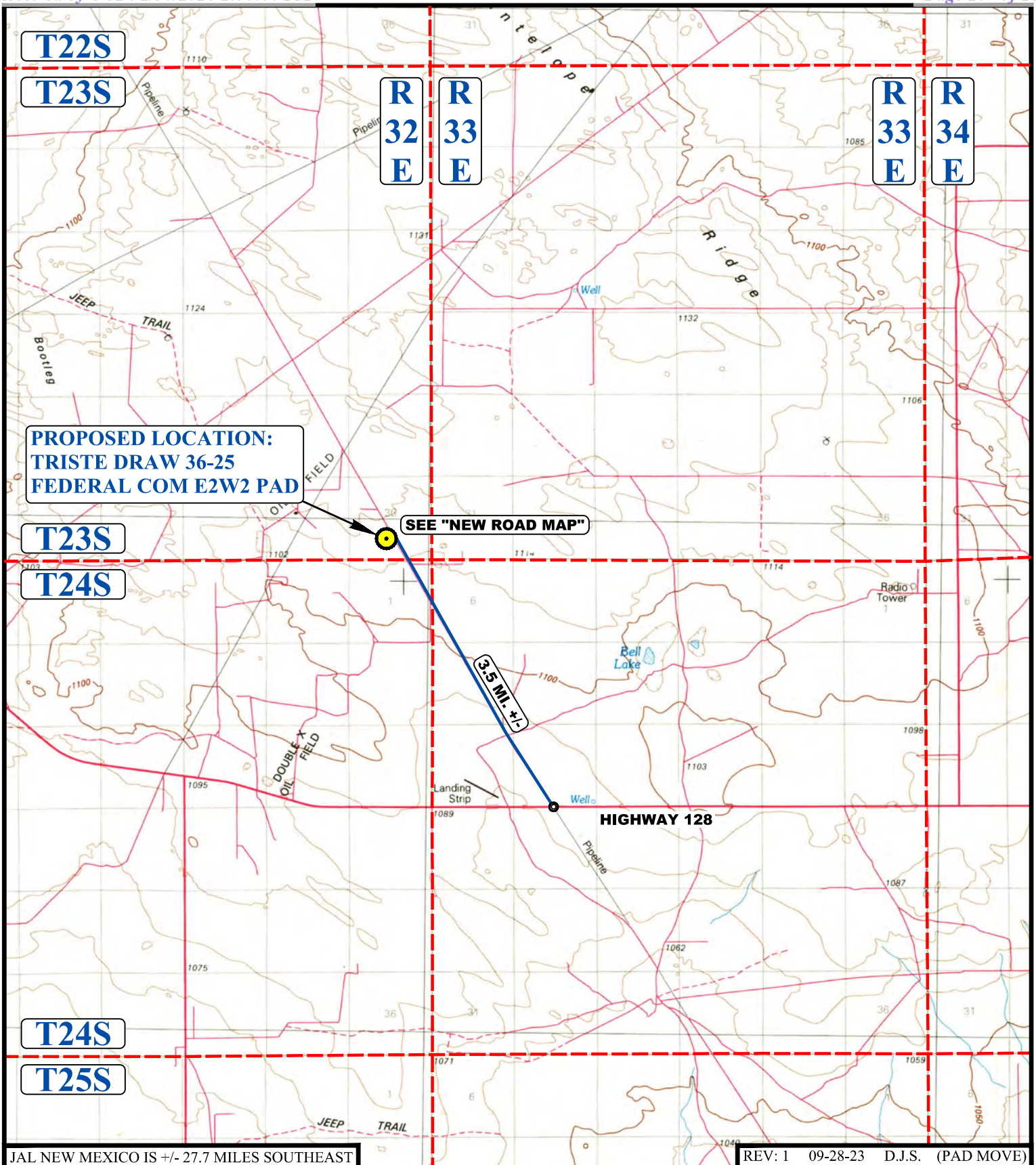
**TRISTE DRAW 36-25 FEDERAL COM E2W2 PAD
1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO**

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





**PROPOSED LOCATION:
TRISTE DRAW 36-25
FEDERAL COM E2W2 PAD**

SEE "NEW ROAD MAP"

3.5 MI. +/-

HIGHWAY 128

JAL NEW MEXICO IS +/- 27.7 MILES SOUTHEAST

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

LEGEND:

 **PROPOSED LOCATION**



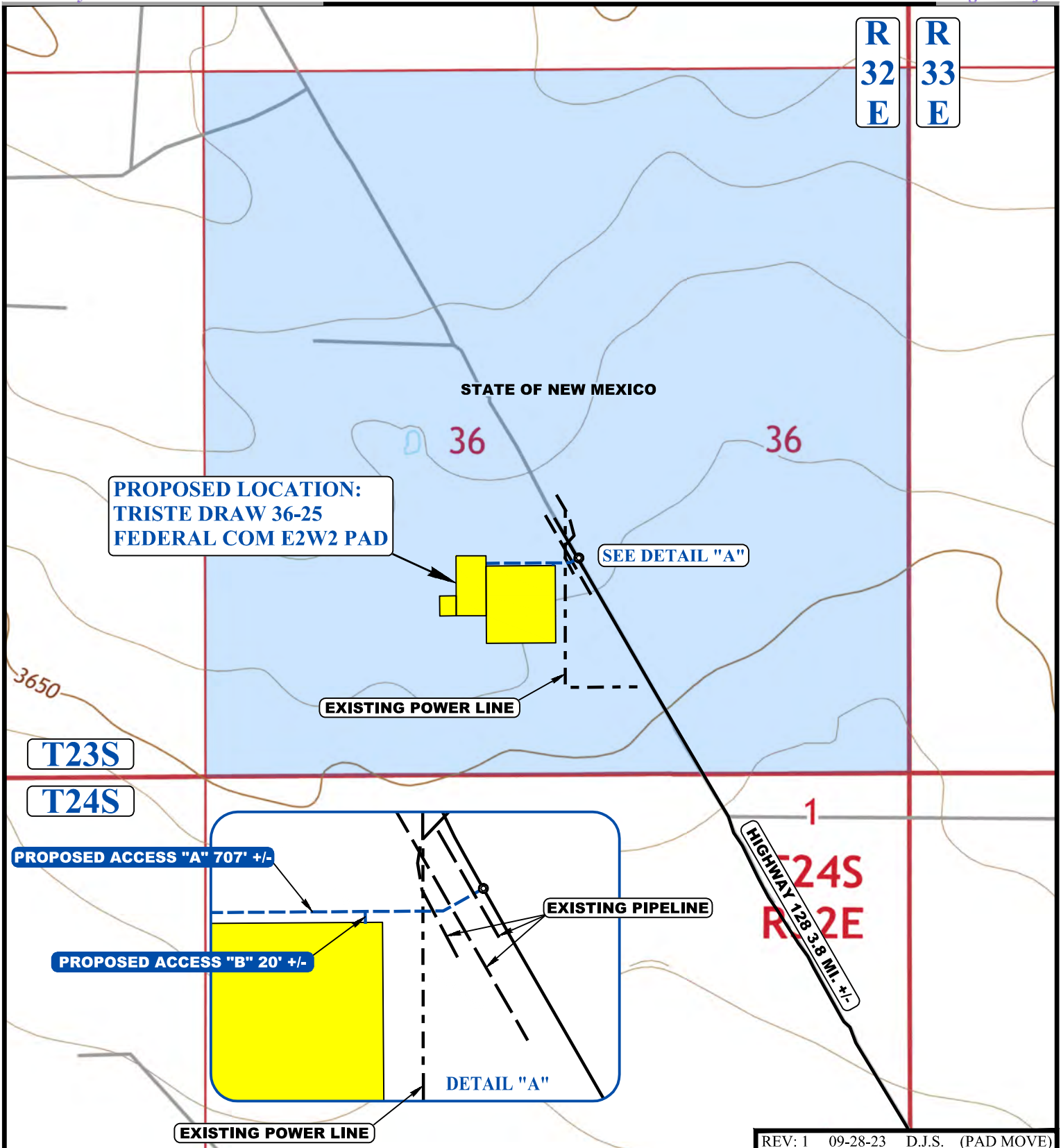
CIMAREX ENERGY CO.

**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



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

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- PROPOSED ROAD
- EXISTING POWER LINE
- EXISTING PIPELINE



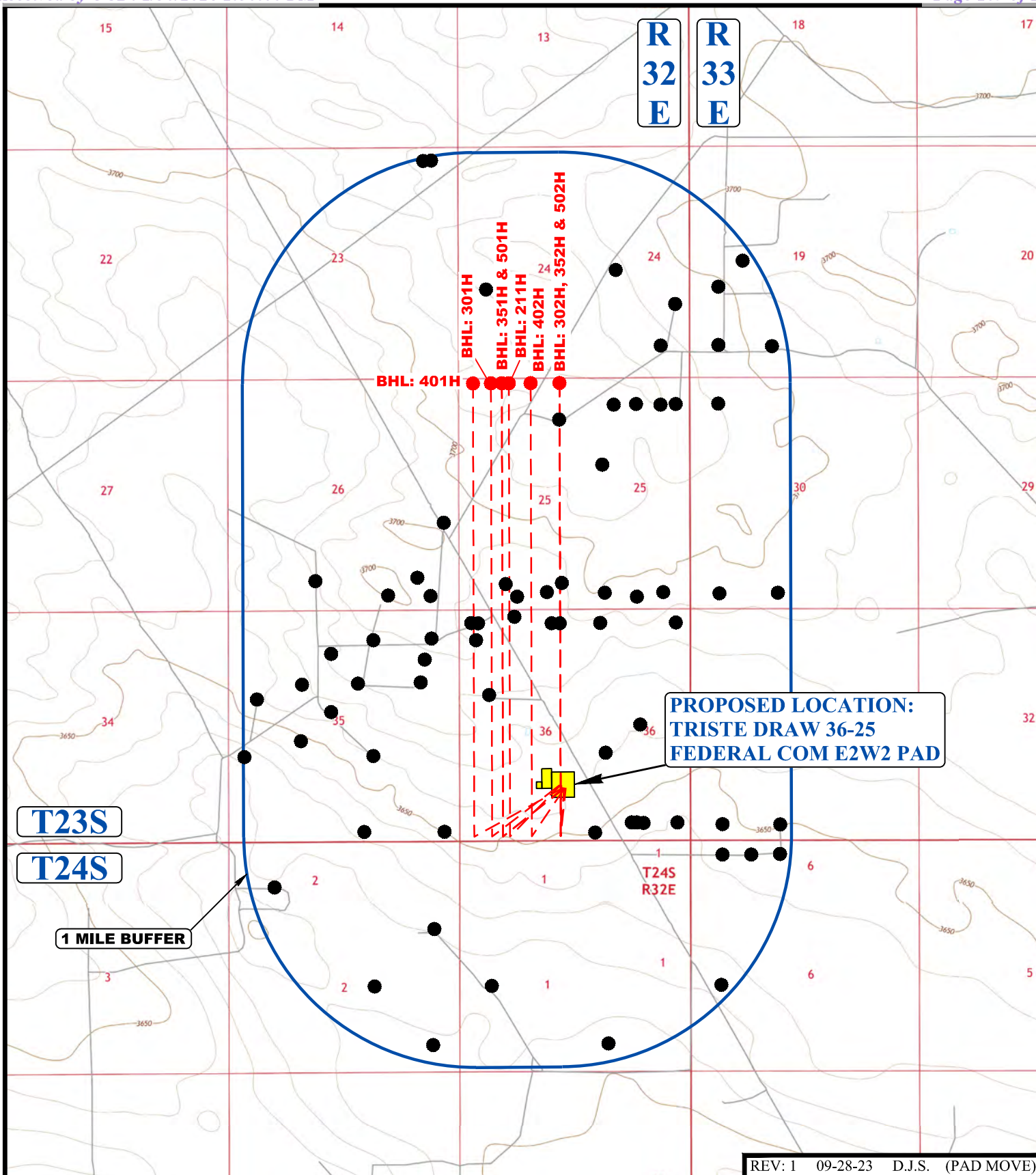
CIMAREX ENERGY CO.

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 : 12,000
NEW ROAD MAP		EXHIBIT D	



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



**PROPOSED LOCATION:
TRISTE DRAW 36-25
FEDERAL COM E2W2 PAD**

T23S

T24S

1 MILE BUFFER

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

LEGEND:

● EXISTING WELLS



CIMAREX ENERGY CO.

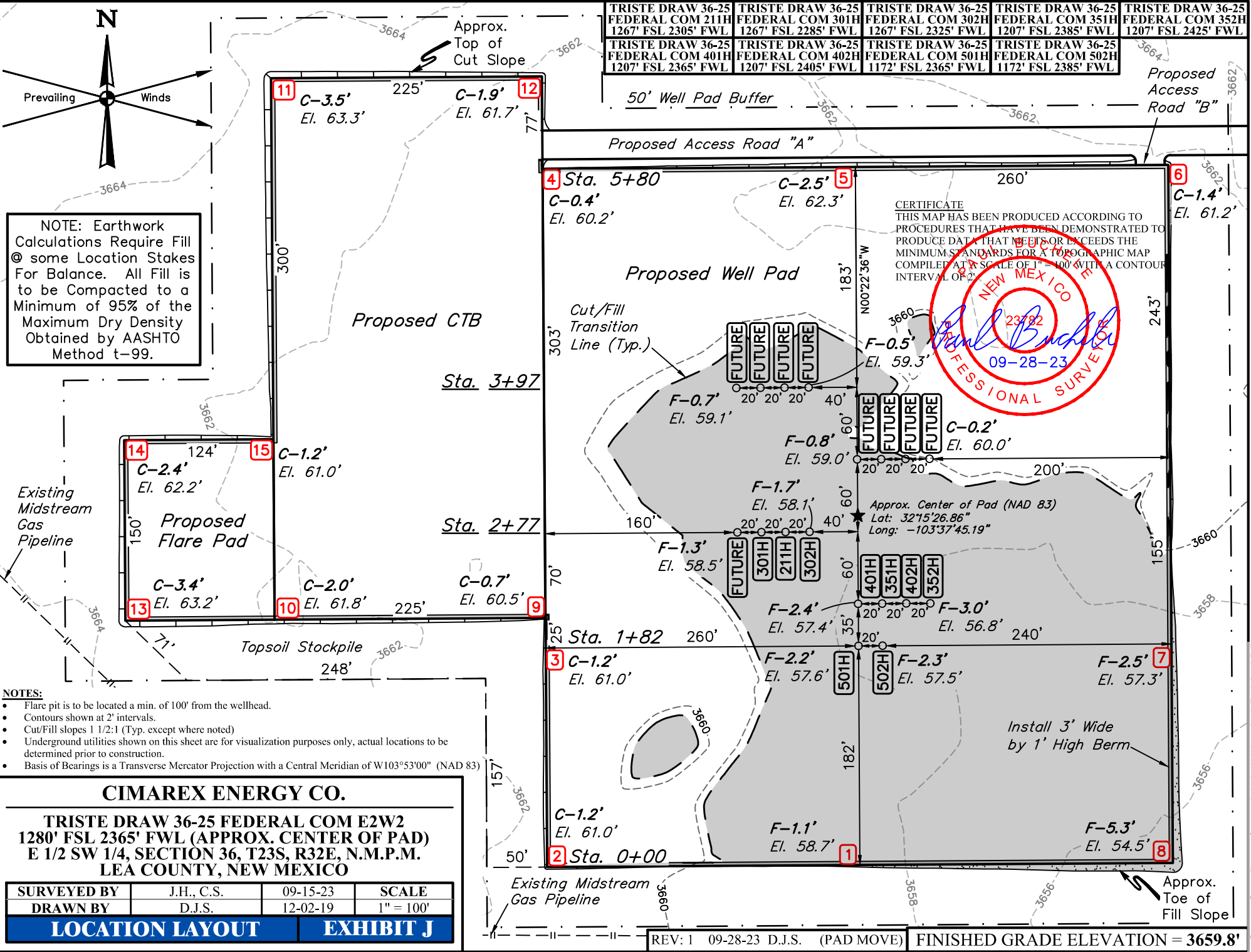
**TRISTE DRAW 36-25 FEDERAL COM E2W2 PAD
1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO**

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

UELS, LLC

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





NOTE: Earthwork Calculations Require Fill @ some Location Stakes For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.

- NOTES:**
- Flare pit is to be located a min. of 100' from the wellhead.
 - Contours shown at 2' intervals.
 - Cut/Fill slopes 1 1/2:1 (Typ. except where noted)
 - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
 - Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

CIMAREX ENERGY CO.

TRISTE DRAW 36-25 FEDERAL COM E2W2
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	D.J.S.	12-02-19	1" = 100'

LOCATION LAYOUT EXHIBIT J

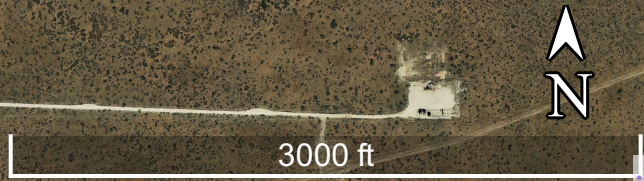
TRISTE DRAW 36-25 FEDERAL COM 211H 1267' FSL 2305' FWL	TRISTE DRAW 36-25 FEDERAL COM 301H 1267' FSL 2285' FWL	TRISTE DRAW 36-25 FEDERAL COM 302H 1267' FSL 2325' FWL	TRISTE DRAW 36-25 FEDERAL COM 351H 1207' FSL 2385' FWL	TRISTE DRAW 36-25 FEDERAL COM 352H 1207' FSL 2425' FWL
TRISTE DRAW 36-25 FEDERAL COM 401H 1207' FSL 2365' FWL	TRISTE DRAW 36-25 FEDERAL COM 402H 1207' FSL 2405' FWL	TRISTE DRAW 36-25 FEDERAL COM 501H 1172' FSL 2365' FWL	TRISTE DRAW 36-25 FEDERAL COM 502H 1172' FSL 2385' FWL	

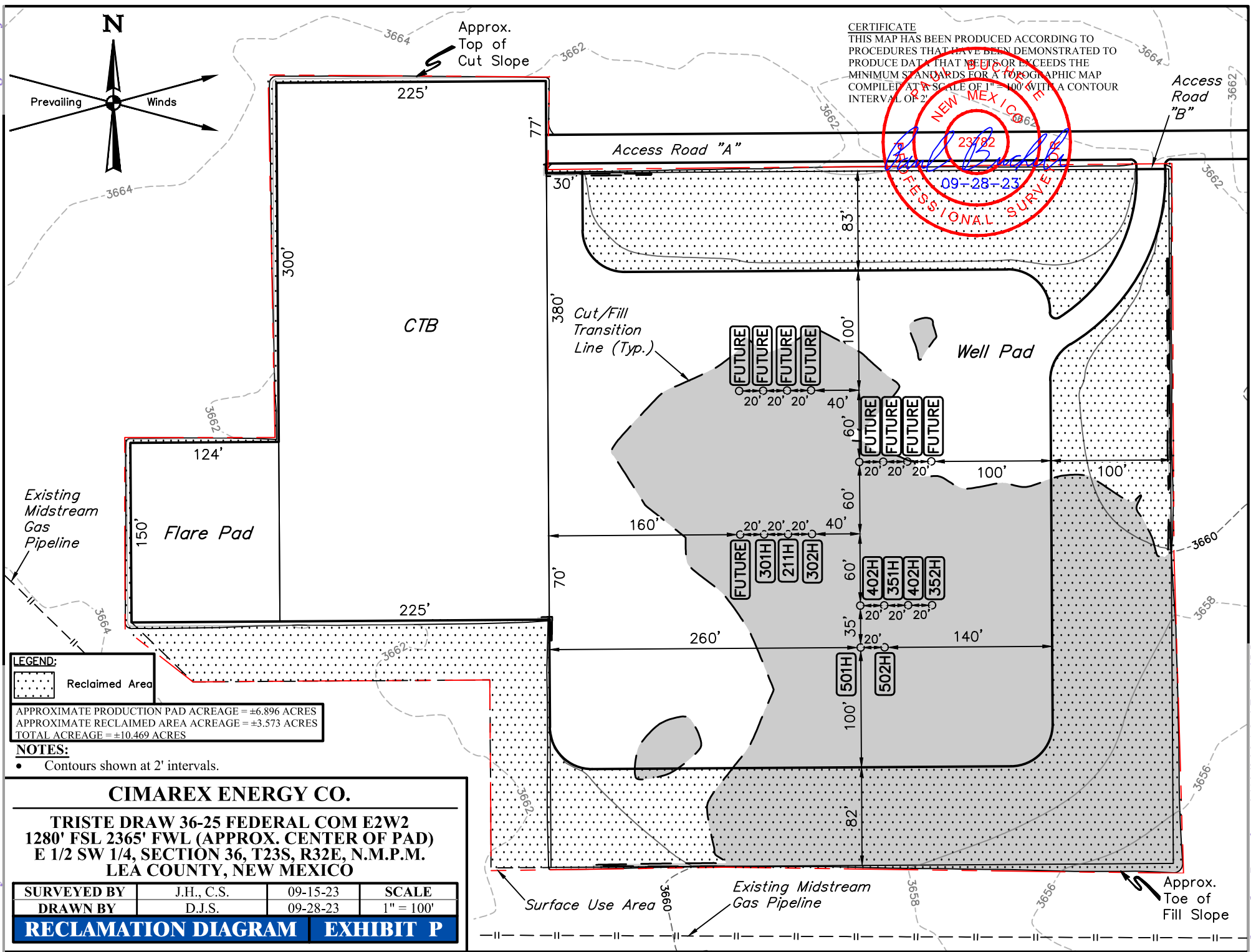
Triste Draw 36-25 Pad

Water Transportation Map

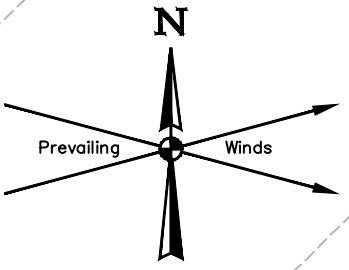
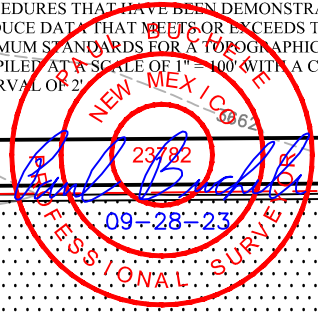
Head southeast
Triste Draw 36-25 Pad

Commercial Water Source
Turn left





CERTIFICATE
 THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1"=100' WITH A CONTOUR INTERVAL OF 2'



LEGEND:
 Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±6.896 ACRES
 APPROXIMATE RECLAIMED AREA ACREAGE = ±3.573 ACRES
 TOTAL ACREAGE = ±10.469 ACRES

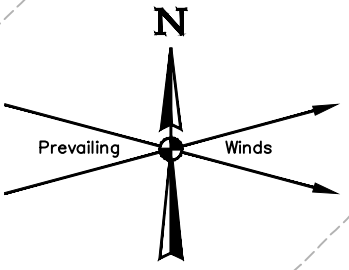
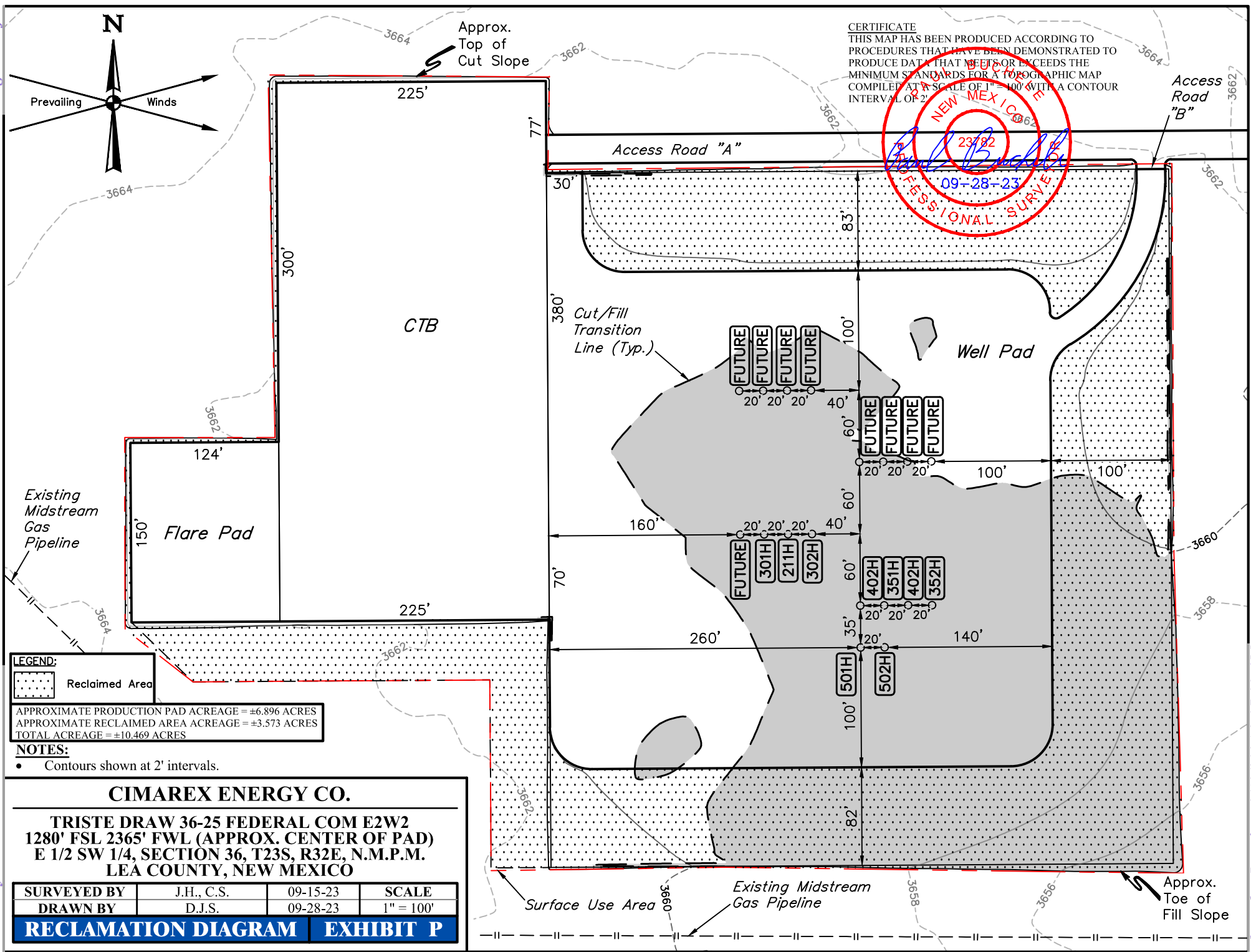
NOTES:
 • Contours shown at 2' intervals.

CIMAREX ENERGY CO.

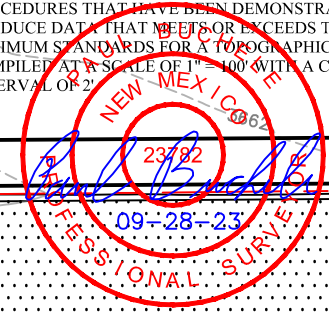
TRISTE DRAW 36-25 FEDERAL COM E2W2
 1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
 E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
 LEA COUNTY, NEW MEXICO

SURVEYED BY	J.H., C.S.	09-15-23	SCALE
DRAWN BY	D.J.S.	09-28-23	1" = 100'

RECLAMATION DIAGRAM EXHIBIT P



CERTIFICATE
 THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1"=100' WITH A CONTOUR INTERVAL OF 2'



LEGEND:
 [Dotted Pattern] Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±6.896 ACRES
 APPROXIMATE RECLAIMED AREA ACREAGE = ±3.573 ACRES
 TOTAL ACREAGE = ±10.469 ACRES

NOTES:
 • Contours shown at 2' intervals.

CIMAREX ENERGY CO.

TRISTE DRAW 36-25 FEDERAL COM E2W2
 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	D.J.S.	09-28-23	1" = 100'

RECLAMATION DIAGRAM EXHIBIT P



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

PWD Data Report

11/12/2025

APD ID: 10400095870

Submission Date: 11/20/2023

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 302H

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: 302H

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: 302H

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: 302H

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



Bond Info Data

11/12/2025

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

APD ID: 10400095870

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: 302H

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 / 32.257426 / -103.629348

County or Parish/State: LEA /
NM

Well Number: 302H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC063228

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: CIMAREX ENERGY
COMPANY

Notice of Intent

Sundry ID: 2882370

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/12/2025

Time Sundry Submitted: 02:18

Date proposed operation will begin: 11/24/2025

Procedure Description: Cimarex Energy Co requests the following changes to the Triste Draw 36-25 Fed Com 302H (APD ID 10400095870) SHL change from 1267 FSL 2325 FWL to 1267 FSL 2285 FWL BHL change from 100 FNL 2310 FWL to 100 FNL 2080 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_302H_Sundry_Submittal_11122025_20251112141751.pdf

Well Name: TRISTE DRAW 36-25
FEDERAL COM

Well Location: T23S / R32E / SEC 36 /
SESW / 32.257426 / -103.629348

County or Parish/State: LEA /
NM

Well Number: 302H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC063228

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: CIMAREX ENERGY
COMPANY

Conditions of Approval

Additional

36_23_32_N_Sundry_ID_2882370_Triste_Draw_36_25_Federal_Com_302H_Lea_NM86154_CIMAREX_ENERGY_CO
MPANY_13_22g_2_27_2024_LV_20260122102825.pdf
Triste_Draw_36_25_Federal_Com_301H302H_Dr_COA_20260122102825.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 02:17 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
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	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.
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. TRISTE DRAW 36-25 FEDERAL COM/302H
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				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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

Cimarex Energy Co requests the following changes to the Triste Draw 36-25 Fed Com 302H (APD ID 10400095870)
 SHL change from 1267 FSL 2325 FWL to 1267 FSL 2285 FWL
 BHL change from 100 FNL 2310 FWL to 100 FNL 2080 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

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 / 2325 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257426 / LONG: -103.629348 (TVD: 0 feet, MD: 0 feet)

PPP: SESW / 100 FSL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254218 / LONG: -103.629394 (TVD: 10757 feet, MD: 10857 feet)

PPP: NWNW / 1319 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.279357 / LONG: -103.628928 (TVD: 11350 feet, MD: 19156 feet)

PPP: NENW / 0 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268456 / LONG: -103.629403 (TVD: 11350 feet, MD: 16366 feet)

BHL: NENW / 100 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.282708 / LONG: -103.629412 (TVD: 11350 feet, MD: 21551 feet)

CONFIDENTIAL

36-23-32-N Sundry ID 2882370 Triste Draw 36-25 Federal Com 302H Lea NM86154 CIMAREX ENERGY COMPANY 13-22g 2-27-2024
LV.xlsm

Triste Draw 36-25 Federal Com 302H

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	4.33	1.15	0.64	1,550	3	1.09	2.34	74,400	
"B"				stc				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 535								Totals:	1,550			74,400	
Comparison of Proposed to Minimum Required Cement Volumes Tail Cmt does not circ to sfc.													
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		
17 1/2	0.6946	811	1330	1077	24	8.33	1585	2M			1.56		
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													

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	0.68	5,075	1	1.21	2.67	203,000
"B"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 570								Totals:	5,075			203,000
The cement volume(s) are intended to achieve a top of 0 ft from surface or a 1550 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	
12 1/4	0.3132	1246	2185	1688	29	10.30	3261	5M			0.81	
D V Tool(s): t by stage % : #VALUE! #VALUE! Class 'H' tail cmt yld > 1.20 sum of sx 1246 2185 Σ CuFt 2185 Σ%excess 29												
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 0.79, b, c, d All > 0.70, OK.												

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	2.79	1.91	2.18	21,549	2	3.88	3.40	430,980
"B"								0				0
"C"								0				0
"D"								0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,527								Totals:	21,549			430,980
The cement volume(s) are intended to achieve a top of 4575 ft from surface or a 500 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	
7 7/8	0.1733	2802	4339	2985	45	9.70					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 301H
ATS/API ID:	ATS-24-426
APD ID:	10400095866
Sundry ID:	2882369

WELL NAME & NO.:	Triste Draw 36-25 Federal Com 302H
ATS/API ID:	ATS-24-425
APD ID:	10400095870
Sundry ID:	2882370

COA

H2S	Yes		
Potash		None	
Cave/Karst Potential	Low		
Cave/Karst Potential	<input type="checkbox"/> Critical		
Variance	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Flex Hose	<input checked="" type="checkbox"/> Other
Wellhead	Conventional and Multibowl		
Other	<input type="checkbox"/> 4 String <input type="checkbox"/> 5 String	Capitan Reef None	<input type="checkbox"/> WIPP
Other	Pilot Hole None	<input type="checkbox"/> Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	<input type="checkbox"/> Water Disposal/Injection	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	<input type="checkbox"/> BOPE Break Testing <input type="checkbox"/> Offline BOPE Testing	<input type="checkbox"/> Offline Cementing	<input type="checkbox"/> 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 **1550 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.

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.

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

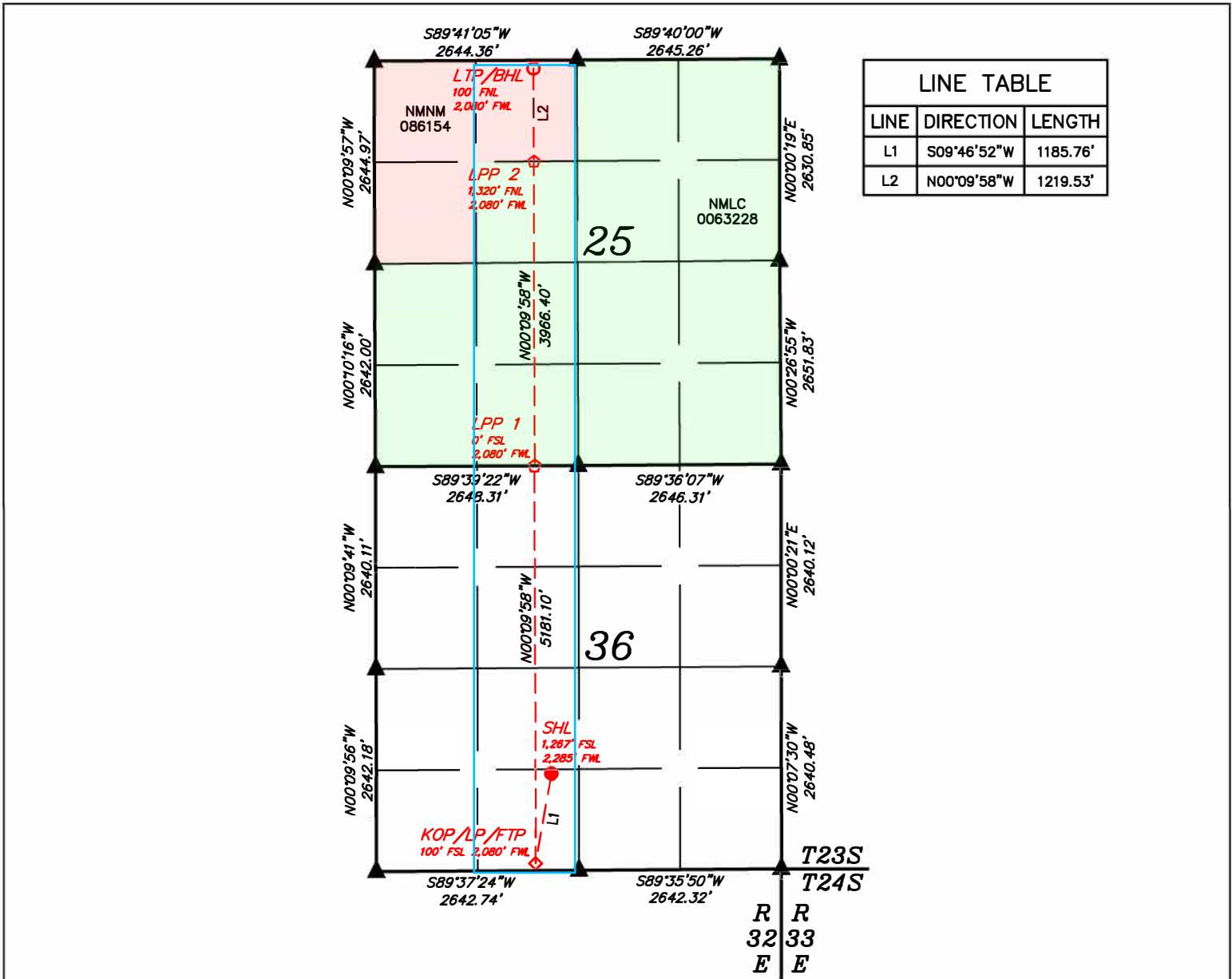
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and

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.

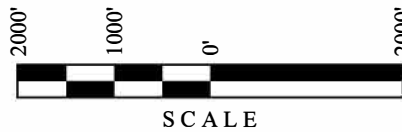
Long Vo (LVO) 1/22/2026

Property Name TRISTE DRAW 36-25 FEDERAL COM	Well Number 302H	Drawn By D.J.S. 09-28-23	Revised By REV. 3 H.S.S. 09-16-25 (WELL BORE CHANGES)
------------------------------------------------	---------------------	-----------------------------	----------------------------------------------------------



LINE	DIRECTION	LENGTH
L1	S09°46'52"W	1185.76'
L2	N00°09'58"W	1219.53'

- 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 Federal Oil & Gas Leases.



NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.73" (32.257425°)
LONGITUDE = -103°37'46.12" (-103.629478°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.29" (32.257301°)
LONGITUDE = -103°37'44.39" (-103.628996°)
STATE PLANE NAD 83 (N.M. EAST)
N: 458097.76' E: 758914.88'
STATE PLANE NAD 27 (N.M. EAST)
N: 458038.61' E: 717731.15'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'15.17" (32.254215°)
LONGITUDE = -103°37'48.50" (-103.630138°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'14.73" (32.254091°)
LONGITUDE = -103°37'46.77" (-103.629657°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456928.60' E: 758718.37'
STATE PLANE NAD 27 (N.M. EAST)
N: 456869.49' E: 717534.61'

- = 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 (LPP 1)
LATITUDE = 32°16'06.43" (32.268454°)
LONGITUDE = -103°37'48.53" (-103.630147°)
NAD 27 (LPP 1)
LATITUDE = 32°16'05.99" (32.268330°)
LONGITUDE = -103°37'46.80" (-103.629666°)
STATE PLANE NAD 83 (N.M. EAST)
N: 462108.66' E: 758681.64'
STATE PLANE NAD 27 (N.M. EAST)
N: 462049.40' E: 717498.02'

NAD 83 (LPP 2)
LATITUDE = 32°16'45.68" (32.279355°)
LONGITUDE = -103°37'48.56" (-103.630154°)
NAD 27 (LPP 2)
LATITUDE = 32°16'45.23" (32.279231°)
LONGITUDE = -103°37'46.82" (-103.629672°)
STATE PLANE NAD 83 (N.M. EAST)
N: 466074.26' E: 758653.52'
STATE PLANE NAD 27 (N.M. EAST)
N: 466014.89' E: 717470.00'

NAD 83 (LTP/BHL)
LATITUDE = 32°16'57.74" (32.282706°)
LONGITUDE = -103°37'48.56" (-103.630156°)
NAD 27 (LTP/BHL)
LATITUDE = 32°16'57.30" (32.282583°)
LONGITUDE = -103°37'46.83" (-103.629674°)
STATE PLANE NAD 83 (N.M. EAST)
N: 467293.55' E: 758644.88'
STATE PLANE NAD 27 (N.M. EAST)
N: 467234.14' E: 717461.39'

1. Geological Formations

TVD of target 11,350
MD at TD 21,551

Pilot Hole TD N/A
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	Hydrocarbons	
Basal Brushy Canyon	8633	N/A	
Bone Spring Lime	8850	N/A	
Leonard/Avalon Sand	9033	Hydrocarbons	
Avalon Shale	9465	Hydrocarbons	
1st Bone Spring Sand	10050	Hydrocarbons	
2nd Bone Spring Sand	10632	Hydrocarbons	
3rd Bone Spring Carbonate	11115	Hydrocarbons	
3rd Carb/Harkey - Target	11350	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	5075	5030	9-5/8"	40.00	HCK-55	LT&C	1.41	1.47	2.79
7 7/8	0	10854								
7 7/8	10807	21549	11487	5-1/2"	20.00	P-110	BT&C	1.92	2.13	50.63
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 302H

	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	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	954	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	663	10.80	2.35	9.60	17:43	Lead: Tuned Light I Class H
	2139	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface		45
Intermediate		51
Production	4875	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		3M
			Pipe Ram	X	
			Double Ram	X	
			Other		
7 7/8	13 5/8	10M	Annular	X	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 5075'	Brine Water	9.80 - 10.30	30-32	N/C
5075' to 21549'	Cut Brine or OBM	9.20 - 9.70	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
---------------------------------------------------------	-----------------------------

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	5794 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	H2S is present
X	H2S 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

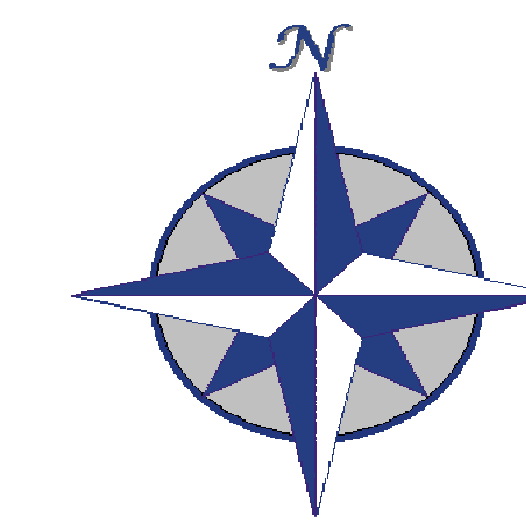
1. In the event wellbore pressure encroaches to the maximum rated pressure of the annular, primary pressure control will be switched to the higher rated components (i.e., switch from annular to pipe rams) – upper pipe rams will be closed, and the annular opened in order to not exceed maximum rated pressures.



Borehole: Triste Draw 36-25 Federal Com 302H	Well: Triste Draw 36-25 Federal Com 302H	Field: NM Lea County (NAD 83)	Structure: 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 26.73	Northing: 458097.76ftUS	Grid Conv: 0.3757°	Slot: 302H	TVD Ref: RKB (3686.800 ft above MSL)		
MagDec: 6.08°	FS: 47198.343nT	Gravity FS: 998.437mgn (9.80665 Based)	Lon: W 103 37 46.12	Easting: 758914.88ftUS	Scale Fact: 0.99996331	Plan: Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25			

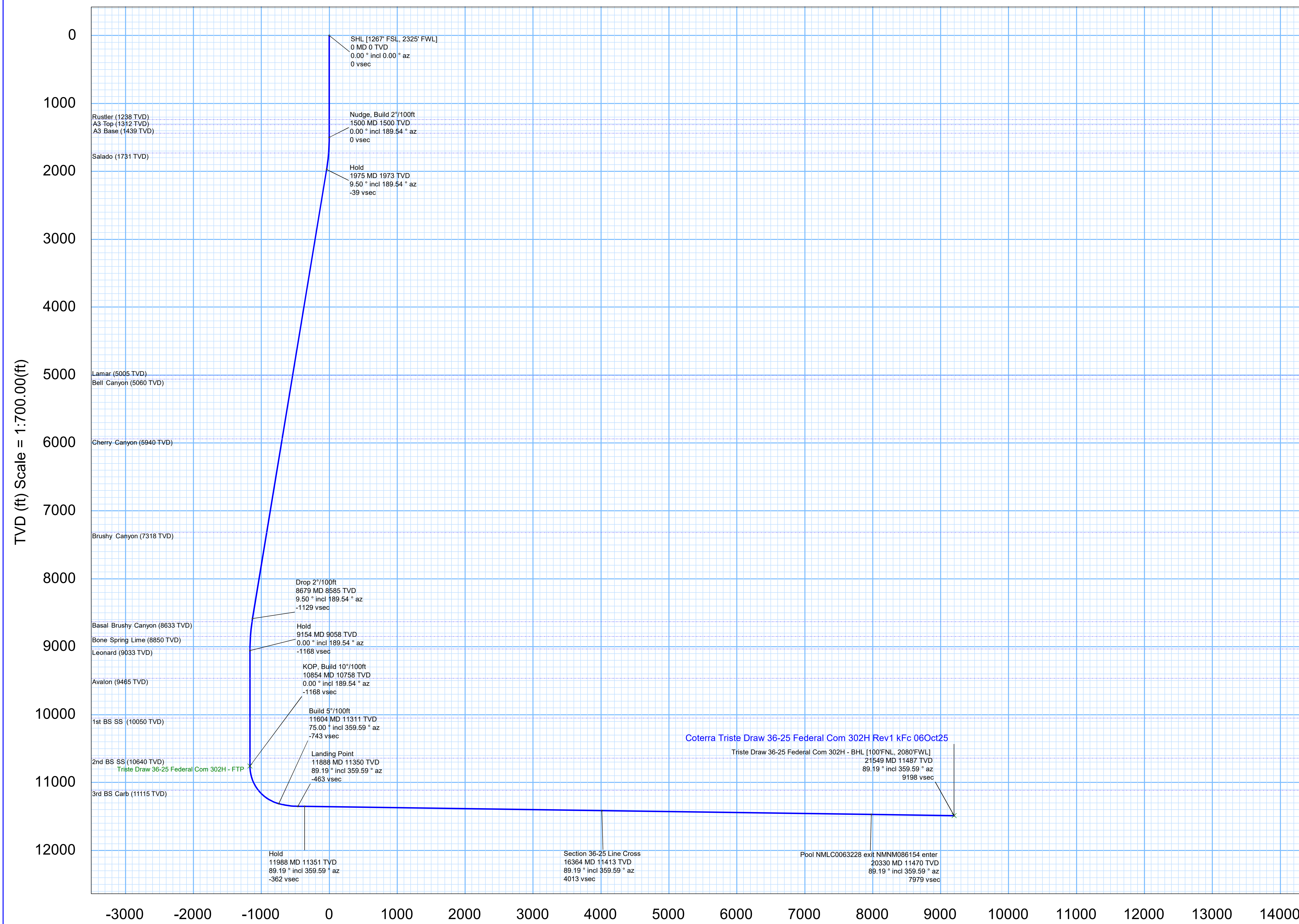
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [1267'FSL, 2285'FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler	1238.00	0.00	189.54	1238.00	0.00	0.00	0.00	0.00
A3 Top	1312.00	0.00	189.54	1312.00	0.00	0.00	0.00	0.00
A3 Base	1439.00	0.00	189.54	1439.00	0.00	0.00	0.00	0.00
Nudge, Build 2"/100ft	1500.00	0.00	189.54	1500.00	0.00	0.00	0.00	0.00
Salado	1731.25	4.63	189.54	1731.00	-9.19	-9.20	-1.55	2.00
Hold	1975.24	9.50	189.54	1973.06	-38.74	-38.78	-6.52	2.00
Lamar	5049.38	9.50	189.54	5005.00	-538.73	-539.39	-90.66	0.00
Bell Canyon	5105.14	9.50	189.54	5060.00	-547.80	-548.47	-92.19	0.00
Cherry Canyon	5997.39	9.50	189.54	5940.00	-692.92	-693.77	-116.61	0.00
Brushy Canyon	7394.57	9.50	189.54	7318.00	-920.16	-921.30	-154.85	0.00
Drop 2"/100ft	8678.77	9.50	189.54	8584.57	-1129.03	-1130.42	-190.00	0.00
Basal Brushy Canyon	8727.81	8.52	189.54	8633.00	-1136.60	-1138.00	-191.27	2.00
Bone Spring Lime	8946.20	4.16	189.54	8850.00	-1160.35	-1161.78	-195.27	2.00
Leonard	9129.38	0.49	189.54	9033.00	-1167.66	-1169.10	-196.50	2.00
Hold	9154.01	0.00	189.54	9057.63	-1167.77	-1169.21	-196.52	2.00
Avalon	9561.38	0.00	189.54	9465.00	-1167.77	-1169.21	-196.52	0.00
1st BS SS	10146.38	0.00	189.54	10050.00	-1167.77	-1169.21	-196.52	0.00
2nd BS SS	10736.38	0.00	189.54	10640.00	-1167.77	-1169.21	-196.52	0.00
KOP, Build 10"/100ft	10854.01	0.00	189.54	10757.63	-1167.77	-1169.21	-196.52	0.00
3rd BS Carb	11239.90	38.59	359.59	11115.00	-1042.66	-1044.10	-197.41	10.00
Build 5"/100ft	11604.01	75.00	359.59	11311.06	-743.10	-744.55	-199.56	10.00
Landing Point	11887.81	89.19	359.59	11351.41	-462.72	-464.17	-201.56	5.00
Hold	11987.81	89.19	359.59	11351.41	-362.73	-364.19	-202.28	0.00
Section 36-25 Line Cross	16364.00	89.19	359.59	11413.47	-4013.02	-4011.46	-233.28	0.00
Pool NMLC0063228 exit NNMN086154 enter	20330.00	89.19	359.59	11469.71	7978.62	7976.96	-261.37	0.00
Triste Draw 36-25 Federal Com 302H - BHL [100'FNL, 2080'FWL]	21549.34	89.19	359.59	11487.00	9197.84	9196.15	-270.01	0.00



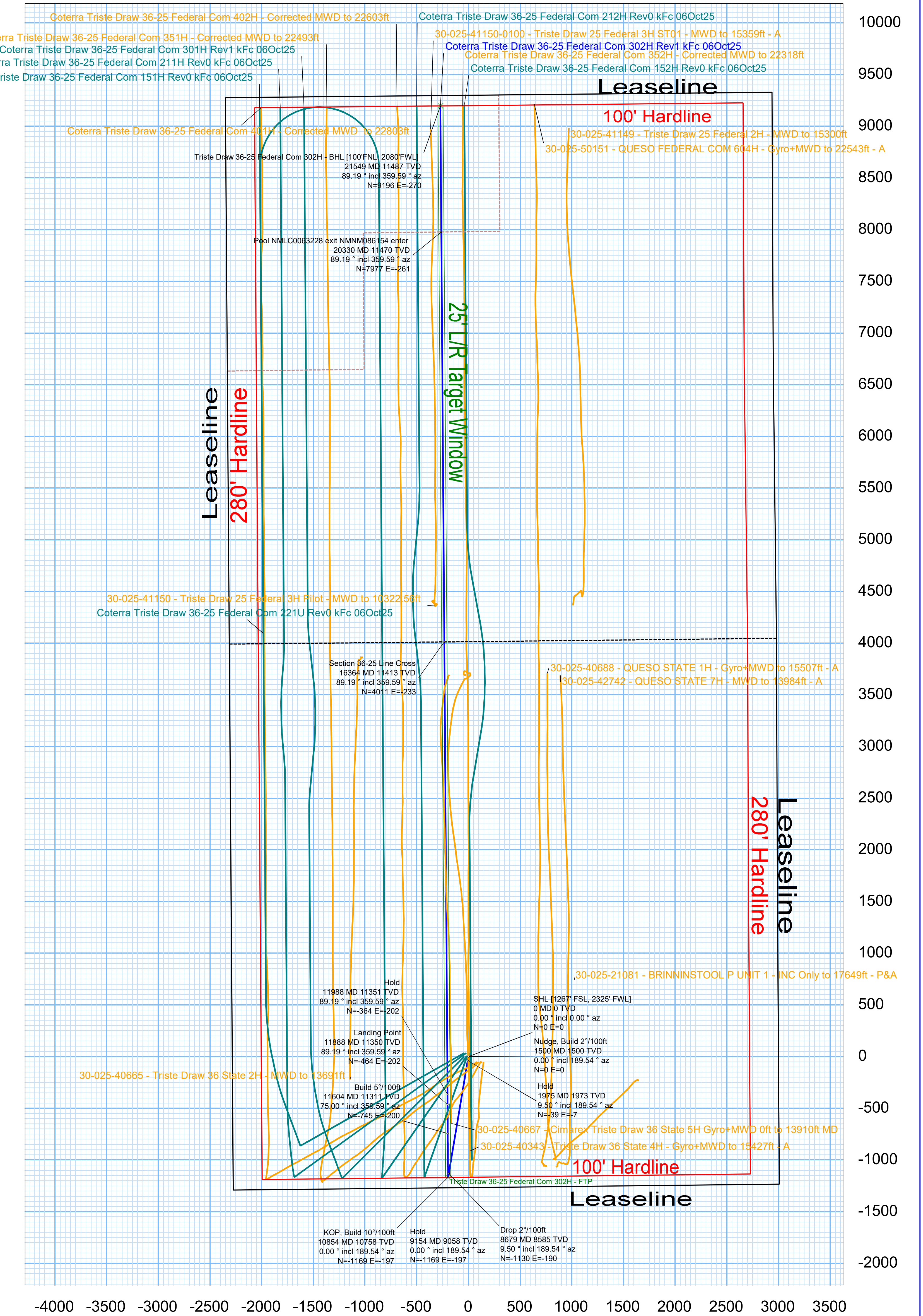
Grid
True
Mag

Grid North
Tot Corr (M->G 5.704°)
Mag Dec (6.080°)
Grid Conv (0.376°)

CONTROLLED	
Plan ref	Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25
Drawing ref	
Copy number	of 3
Date	07-Oct-2025
1 Client	
2 Client	
3 Office	
4 Office	
Copy number	for



Vertical Section (ft) Azim = 359.59° Scale = 1:700.00(ft) Origin = 0N/-S, 0E/-W



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



Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 Proposal Geodetic Report

Def Plan

Report Date: October 07, 2025 - 09:24 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (HAD 83)
Structure / Slot: Coltera - Triste Draw 36-25 Federal Com Pad (west) / 302H
Well: Triste Draw 36-25 Federal Com 302H
Borehole: Triste Draw 36-25 Federal Com 302H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25
Survey Date: October 05, 2025
Tort / AHD / DDI / ERD Ratio: 108.204 / 11551.217 ft / 6.370 / 1.006
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'26.73024"N, 103°37'46.12015"W
Location Grid N/E Y/X: N 458097.760 RUS, E 758914.880 RUS
CRS Grid Convergence Angle: 0.376°
Grid Scale Factor: 0.99996331(Applied)
Version / Patch: 2025.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Datum: 59.990 (GRID North)
Vertical Section Origin: 0.000 ft, 0.000 R
TVD Reference Datum: 3686.800 ft above MSL
TVD Reference Elevation: 3686.800 ft above MSL
Seabed / Ground Elevation: 3686.300 ft above MSL
Magnetic Declination: 6.080°
Total Gravity Field Strength: 998.437mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47198.343 nT
Magnetic Dip Angle: 59.746°
Declination Date: October 06, 2025
Magnetic Declination Model: HDGM 2025
North Reference: Grid North
Grid Convergence Used: 0.376°
Total Corr Mag North->Grid North: 5.704'
Local Coord Referenced To: Well Head

Table with columns: Comments, MD (ft), Incl (°), Azim (°), TVD (ft), TVDSS (ft), VSEC (ft), NS (ft), EW (ft), DLS (°/100ft), Northing (RUS), Easting (RUS), Latitude (°), Longitude (°). Rows include SHL, Rustler, A3 Top, A3 Base, Nudge, Build 2'100ft, Salado, Hold, Lamar, Bell Canyon, Chery Canyon, Brushy Canyon, Basal Brushy Canyon, and Bone Spring Lime.

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (#/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
Leonard	9,000.00	3.08	189.54	8,903.69	5,216.89	-1,163.69	-1,165.12	-195.83	2.00	456,932.68	758,719.06	32.25422616	-103.63013595
	9,100.00	1.08	189.54	9,003.62	5,316.82	-1,167.27	-1,168.70	-196.43	2.00	456,929.10	758,718.45	32.25421633	-103.63013797
	9,129.38	0.49	189.54	9,033.00	5,346.20	-1,167.66	-1,169.10	-196.50	2.00	456,928.70	758,718.39	32.25421524	-103.63013820
	9,154.01	0.00	189.54	9,057.63	5,370.83	-1,167.77	-1,169.21	-196.52	2.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,200.00	0.00	189.54	9,103.62	5,416.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,300.00	0.00	189.54	9,203.62	5,516.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,400.00	0.00	189.54	9,303.62	5,616.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,500.00	0.00	189.54	9,403.62	5,716.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,561.38	0.00	189.54	9,465.00	5,778.20	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
	9,600.00	0.00	189.54	9,503.62	5,816.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
9,700.00	0.00	189.54	9,603.62	5,916.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
9,800.00	0.00	189.54	9,703.62	6,016.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
9,900.00	0.00	189.54	9,803.62	6,116.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,000.00	0.00	189.54	9,903.62	6,216.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,100.00	0.00	189.54	10,003.62	6,316.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,146.38	0.00	189.54	10,050.00	6,363.20	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,200.00	0.00	189.54	10,103.62	6,416.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,300.00	0.00	189.54	10,203.62	6,516.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,400.00	0.00	189.54	10,303.62	6,616.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,500.00	0.00	189.54	10,403.62	6,716.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,600.00	0.00	189.54	10,503.62	6,816.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,700.00	0.00	189.54	10,603.62	6,916.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,736.38	0.00	189.54	10,640.00	6,953.20	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
10,800.00	0.00	189.54	10,703.62	7,016.82	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825	
KOP, Build 10"/100ft	10,854.01	0.00	189.54	10,757.63	7,070.83	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
10,900.00	4.60	359.59	10,803.57	7,116.77	-1,165.92	-1,167.36	-196.53	10.00	456,930.44	758,718.36	32.25422002	-103.63013826	
11,000.00	14.60	359.59	10,902.05	7,215.25	-1,149.27	-1,150.71	-196.65	10.00	456,947.10	758,718.24	32.25426880	-103.63013829	
11,100.00	24.60	359.59	10,996.13	7,309.33	-1,115.77	-1,117.21	-196.89	10.00	456,980.60	758,718.00	32.25435788	-103.63013836	
11,200.00	34.60	359.59	11,082.97	7,398.13	-1,069.27	-1,072.21	-197.29	10.00	457,045.22	758,716.84	32.25444372	-103.63013843	
11,239.90	38.59	359.59	11,115.00	7,428.20	-1,042.66	-1,044.10	-197.41	10.00	457,053.70	758,717.47	32.25455884	-103.63013850	
11,300.00	44.60	359.59	11,159.93	7,473.13	-1,002.78	-1,004.22	-197.70	10.00	457,093.58	758,717.19	32.25466845	-103.63013858	
11,400.00	54.60	359.59	11,224.66	7,537.86	-926.72	-928.17	-198.24	10.00	457,169.63	758,716.65	32.25487750	-103.63013873	
11,500.00	64.60	359.59	11,275.20	7,588.40	-840.58	-842.03	-198.86	10.00	457,255.77	758,716.03	32.25511427	-103.63013890	
11,600.00	74.60	359.59	11,310.01	7,623.21	-746.97	-748.42	-199.53	10.00	457,349.37	758,715.36	32.25537157	-103.63013908	
11,604.01	75.00	359.59	11,311.08	7,624.26	-743.10	-744.55	-199.56	10.00	457,353.24	758,715.33	32.25538222	-103.63013909	
11,700.00	84.60	359.59	11,332.00	7,645.20	-649.23	-649.23	-200.28	10.00	457,446.83	758,714.68	32.25563962	-103.63013917	
11,800.00	84.80	359.59	11,345.39	7,658.59	-550.39	-551.84	-200.94	5.00	457,545.94	758,713.95	32.25591192	-103.63013946	
11,887.81	89.19	359.59	11,350.00	7,663.20	-462.72	-464.17	-201.56	5.00	457,633.61	758,713.33	32.25615288	-103.63013964	
11,900.00	89.19	359.59	11,350.17	7,663.37	-450.53	-451.98	-201.65	5.00	457,645.79	758,713.24	32.25619639	-103.63013966	
11,987.81	89.19	359.59	11,351.41	7,664.61	-362.73	-364.19	-202.28	0.00	457,733.59	758,712.61	32.25642772	-103.63013983	
11,988.05	89.19	359.59	11,351.41	7,664.61	-362.49	-363.95	-202.28	2.00	457,733.83	758,712.61	32.25642838	-103.63013983	
12,000.00	89.19	359.59	11,351.58	7,664.78	-350.54	-352.00	-202.36	0.00	457,745.78	758,712.52	32.25646122	-103.63013985	
12,100.00	89.19	359.59	11,353.00	7,666.20	-250.55	-252.01	-202.45	0.00	457,845.76	758,711.81	32.25673606	-103.63013992	
12,200.00	89.19	359.59	11,354.42	7,667.62	-150.56	-152.02	-203.78	0.00	457,945.74	758,711.11	32.25701080	-103.63014020	
12,300.00	89.19	359.59	11,355.84	7,669.04	-50.57	-52.03	-204.49	0.00	458,045.73	758,710.40	32.25728573	-103.63014037	
12,400.00	89.19	359.59	11,357.26	7,670.46	49.42	47.95	-205.20	0.00	458,145.71	758,709.69	32.25756057	-103.63014054	
12,500.00	89.19	359.59	11,358.67	7,671.87	149.41	147.94	-205.91	0.00	458,245.69	758,708.98	32.25783540	-103.63014072	
12,600.00	89.19	359.59	11,360.09	7,673.29	249.40	247.93	-206.61	0.00	458,345.68	758,708.27	32.25811024	-103.63014089	
12,700.00	89.19	359.59	11,361.51	7,674.71	349.39	347.92	-207.32	0.00	458,445.66	758,707.56	32.25838507	-103.63014106	
12,800.00	89.19	359.59	11,362.93	7,676.13	449.38	447.91	-208.03	0.00	458,545.65	758,706.86	32.25865991	-103.63014123	
12,900.00	89.19	359.59	11,364.35	7,677.55	549.37	547.90	-208.74	10.00	458,645.64	758,706.15	32.25893475	-103.63014141	
13,000.00	89.19	359.59	11,365.76	7,678.96	649.36	647.89	-209.45	0.00	458,745.61	758,705.44	32.25920958	-103.63014158	
13,100.00	89.19	359.59	11,367.18	7,680.38	749.35	747.87	-210.16	0.00	458,845.60	758,704.73	32.25948442	-103.63014175	
13,200.00	89.19	359.59	11,368.60	7,681.80	849.34	847.85	-210.87	0.00	458,945.58	758,704.02	32.25975925	-103.63014192	
13,300.00	89.19	359.59	11,370.02	7,683.22	949.33	947.84	-211.57	0.00	459,045.56	758,703.31	32.26003409	-103.63014210	
13,400.00	89.19	359.59	11,371.44	7,684.64	1,049.32	1,047.83	-212.28	0.00	459,145.55	758,702.61	32.26030893	-103.63014227	
13,500.00	89.19	359.59	11,372.85	7,686.05	1,149.31	1,147.82	-212.99	0.00	459,245.53	758,701.90	32.26058376	-103.63014244	
13,600.00	89.19	359.59	11,374.27	7,687.47	1,249.30	1,247.81	-213.70	0.00	459,345.52	758,701.19	32.26085860	-103.63014261	
13,700.00	89.19	359.59	11,375.69	7,688.89	1,349.29	1,347.79	-214.41	0.00	459,445.50	758,700.48	32.26113344	-103.63014279	
13,800.00	89.19	359.59	11,377.11	7,690.31	1,449.28	1,447.78	-215.12	0.00	459,545.48	758,699.77	32.26140827	-103.63014296	
13,900.00	89.19	359.59	11,378.53	7,691.73	1,549.27	1,547.76	-215.82	0.00	459,645.46	758,699.06	32.26168311	-103.63014313	
14,000.00	89.19	359.59	11,379.94	7,693.14	1,649.26	1,647.75	-216.53	0.00	459,745.45	758,698.36	32.26195794	-103.63014330	
14,100.00	89.19	359.59	11,381.36	7,694.56	1,749.25	1,747.74	-217.24	0.00	459,845.43	758,697.65	32.26223278	-103.63014348	
14,200.00	89.19	359.59	11,382.78	7,695.98	1,849.24	1,847.73	-217.95	0.00	459,945.42	758,696.94	32.26250761	-103.63014365	
14,300.00	89.19	359.59	11,384.20	7,697.40	1,949.23	1,947.72	-218.66	0.00	460,045.40	758,696.23	32.26278245	-103.63014382	
14,400.00	89.19	359.59	11,385.62	7,698.82	2,049.22	2,047.70	-219.37	0.00	460,145.38	758,695.52	32.26305729	-103.63014399	
14,500.00	89.19	359.59	11,387.03	7,700.23	2,149.21	2,147.69	-220.07	0.00	460,245.37	758,694.81	32.26333212	-103.63014417	
14,600.00	89.19	359.59	11,388.45	7,701.65	2,249.20	2,247.68	-220.78	0.00	460,345.35	758,694.11	32.26360696	-103.63014434	
14,700.00	89.19	359.59	11,389.87	7,703.07	2,349.19	2,347.66	-221.49	0.00	460,445.33	758,693.40	32.26388179	-103.63014451	
14,800.00	89.19	359.59	11,391.29	7,704.49	2,								

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)
	20,600.00	89.19	359.59	11,473.54	7,786.74	8,248.60	8,246.92	-263.29	0.00	466,344.36	758,651.60	32.28009708	-103.63015465
	20,700.00	89.19	359.59	11,474.96	7,788.16	8,348.59	8,346.91	-263.99	0.00	466,444.35	758,650.90	32.28037192	-103.63015482
	20,800.00	89.19	359.59	11,476.37	7,789.57	8,448.58	8,446.90	-264.70	0.00	466,544.33	758,650.19	32.28064675	-103.63015500
	20,900.00	89.19	359.59	11,477.79	7,790.99	8,548.57	8,546.89	-265.41	0.00	466,644.31	758,649.48	32.28092159	-103.63015517
	21,000.00	89.19	359.59	11,479.21	7,792.41	8,648.56	8,646.87	-266.12	0.00	466,744.30	758,648.77	32.28119642	-103.63015534
	21,100.00	89.19	359.59	11,480.63	7,793.83	8,748.55	8,746.86	-266.83	0.00	466,844.28	758,648.06	32.28147126	-103.63015551
	21,200.00	89.19	359.59	11,482.05	7,795.25	8,848.54	8,846.85	-267.54	0.00	466,944.27	758,647.35	32.28174609	-103.63015568
	21,300.00	89.19	359.59	11,483.46	7,796.66	8,948.53	8,946.83	-268.24	0.00	467,044.25	758,646.65	32.28202093	-103.63015585
	21,400.00	89.19	359.59	11,484.88	7,798.08	9,048.52	9,046.82	-268.95	0.00	467,144.23	758,645.94	32.28229576	-103.63015602
	21,500.00	89.19	359.59	11,486.30	7,799.50	9,148.51	9,146.81	-269.66	0.00	467,244.22	758,645.23	32.28257060	-103.63015620
Triste Draw 36-25 Federal Com 3	21,549.34	89.19	359.59	11,487.00	7,800.20	9,197.84	9,196.15	-270.01	0.00	467,293.55	758,644.88	32.28270621	-103.63015628

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	10,800.000	1/100.000 'S - 12.25 - 8.75 3.375 - 9.625 - 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 302H / Coterra Tris
	1	10,800.000	21,549.342	1/100.000	8.75 - 6	7 - 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 302H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,195.800	17.500	13.375	
4,822.058	12.250	9.625	
12,207.800	8.750	7.000	
21,549.342	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 Proposal Geodetic Report

Def Plan

Table with 2 columns: Report Data (Left) and Survey / DLS Computation (Right). Includes details like Date, File, Project, Well, and various survey parameters.

Main data table with columns: Comments, MD (ft), Incl (ft), Azim (°), TVD (ft), TVOSS (ft), VSEC (ft), AHD (ft), NS (ft), EW (ft), DelAHD (ft), DelTVD (ft), DLS (ft), BIR (ft), TR (ft), GTF (ft), MTF (ft), TF (ft), Northing (ft), Easting (ft), Latitude (ft), Longitude (ft), Closure (ft), Closure Adj (ft), Directional Difficulty Index, Turnosity (ft), SDO Pass, Exclusion Zone Alert, OoMtg (ft), Exclusion Zone Angle (ft), Exclusion Zone (ft), Alert Zone (ft).

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 (°)	Northng (ft)	Eastng (ft)	Latitude (°)"	Longitude (°)"	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)	Directional Difficulty Index	Tortuosity (°)	EMD Ratio	Exclusion Zone Alert	GeoMag Tr (ft)	Exclusion Zone Angle (ft)	Exclusion Zone Tolerance (ft)	Alert Zone Tolerance (ft)			
EOU Geometry:																																				
End MD (ft)		Hole Size (in)		Casing Size (in)		Name																														
1,195.800			17.500		13.375																															
4,822.058			12.250		9.625																															
12,207.890			8.750		7.000																															
21,549.342			6.000		4.500																															



**Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 Proposal
Geodetic Report**

Def Plan

Report Date:	October 07, 2025 - 09:27 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTERRA	Vertical Section Azimuth:	359.590 °(GRID North)
Field:	NM Lex County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Coterra - Triste Draw 36-25 Federal Com Pad (west) / 302H	TVD Reference Datum:	RKB
Well:	Triste Draw 36-25 Federal Com 302H	TVD Reference Elevation:	3686.800 ft above MSL
Borehole:	Triste Draw 36-25 Federal Com 302H	Seabed / Ground Elevation:	3660.300 ft above MSL
UBH / AP#:	Unknown / Unknown	Magnetic Declination:	6.080°
Survey Name:	Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25	Total Gravity Field Strength:	998.437mgn (9.80665 Based)
Survey Date:	October 07, 2025	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	108.204 ° / 11551.217 ft / 6.370 / 1.006	Total Magnetic Field Strength:	47198.343 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.746°
Location Lat / Long:	32°19'26.73024"N, -103°37'46.12015"W	Declination Date:	October 06, 2025
Location Grid N/E Y/X:	N 458097.760 RUS, E 758914.880 RUS	Magnetic Declination Model:	HJGM 2025
CRS Grid Convergence Angle:	0.376°	North Reference:	Grid North
Grid Scale Factor:	0.99996331(Applied)	Grid Convergence Used:	0.376°
Version / Patch:	2025.1.0.1	Total Corr Mag North-Grid North:	5.704°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (ft/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
SHL [1267FSL, 2285FWL]	0.00	0.00	0.00	0.00	-3.686.80	0.00	0.00	0.00	0.00	458,097.76	758,914.88	32.25742507	-103.62947782
Nudge, Build 2"/100ft	1,500.00	0.00	189.54	1,500.00	-2,186.80	0.00	0.00	0.00	0.00	458,097.76	758,914.88	32.25742507	-103.62947782
Hold	1,975.24	9.50	189.54	1,973.06	-1,713.74	-38.74	-38.78	-6.52	2.00	458,058.98	758,908.36	32.25731858	-103.62949973
Drop 2"/100ft	8,678.77	9.50	189.54	8,584.57	4,897.77	-1,129.03	-1,130.42	-190.00	0.00	456,967.38	758,724.89	32.25432144	-103.63011635
Hold	9,154.01	0.00	189.54	9,057.63	5,370.83	-1,167.77	-1,169.21	-196.52	2.00	456,928.60	758,718.37	32.25421495	-103.63013825
KOP, Build 10"/100ft	10,854.01	0.00	189.54	10,757.63	7,070.83	-1,167.77	-1,169.21	-196.52	0.00	456,928.60	758,718.37	32.25421495	-103.63013825
Build 5"/100ft	11,604.01	75.00	359.59	11,311.06	7,624.26	-743.10	-744.55	-199.56	10.00	457,353.24	758,715.33	32.25538221	-103.63013999
Landing Point	11,887.81	89.19	359.59	11,350.00	7,663.20	-482.72	-484.17	-201.56	5.00	457,333.61	758,713.33	32.25615288	-103.63013964
Hold	11,988.05	89.19	359.59	11,351.41	7,664.61	-362.73	-364.19	-202.28	2.00	457,333.59	758,712.61	32.25642772	-103.63013983
Triste Draw 36-25 Federal Com 302H - BHL [100FNL, 2080FWL]	21,549.34	89.19	359.59	11,487.00	7,800.20	9,197.84	9,196.15	-270.01	0.00	467,293.55	758,644.88	32.28270621	-103.63015628

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	10,800.000	1/100.000' ± 5 - 12.25 - 8.75 3.375 - 9.625 - 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 302H / Coterra Tris
	1	10,800.000	21,549.342	1/100.000	8.75 - 6	7 - 4.5		A008Mb_MWD+FR1+MS		Triste Draw 36-25 Federal Com 302H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,195.800	17.500	13.375	
4,822.058	12.250	9.625	
12,207.800	8.750	7.000	
21,549.342	6.000	4.500	



**Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 Proposal
Geodetic Report**

Def Plan

Report Date: October 07, 2025 - 09:27 PM (UTC 0)
Client: COTERRA
File: MM Lea County (MAD BS)
Structors / Shot: Coterra - Triste Draw 36-25 Federal Com Pad (w/rev) / 302H
Well: Triste Draw 36-25 Federal Com 302H
Boreshole: Triste Draw 36-25 Federal Com 302H
UBH / APB: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25
Survey Date: October 07, 2025
Text AHD / DDI / EBD Ratio: 108.254 / 1.155 / 2.17 / 6.10 / 1.006
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'28.73024"N, 103°37'46.12015"W
Location Grid NE YC: N = 458307.760 NUB, E = 738614.880 NUB
CRS Grid Convergence Angle: 0.33°
Grid Scale Factor: 0.99999315 (Applied)
Version / Patch: 2025.1.1.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.550 (GCRD North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: FGS
TVD Reference Elevation: 3886.800 ft above MSL
Sealed / Original Elevation: 3860.300 ft above MSL
Magnetic Declination: 6.687°
Total Gravity Field Strength: 988.437mgp (9.80665 Based)
Gravity Model: GGM05
Magnetic Field Strength: 47158.343 nT
Magnetic Dip Angle: 52.361°
Declination Date: October 08, 2025
Magnetic Destination Model: ICGEM 2025
North Reference: Grid North
Grid Convergence Used: Grid North
Total Com Map North-South: 5.704'
Well Head

Comments	MD (ft)	Incl (°)	Actm (ft)	TVD (ft)	TVDSS (ft)	VSEC (ft)	AHD (ft)	NS (ft)	EW (ft)	DeltaMD (ft)	DeltaTVD (ft)	DLS (ft/1000ft)	BR (ft/1000ft)	TR (ft/1000ft)	GTF (ft)	MTF (ft)	TF (ft)	Northing (RUB)	Easting (RUB)	Latitude (°)	Longitude (°)	Latitude (°)	Longitude (°)	Closure (ft)	Closure Azimuth (°)	Directional Difficulty Index	Tortuosity (ft)	ESD Ratio	Exclusion Zone Alert	GeoMag Tr (mT)	Exclusion Zone Angle (deg)	Exclusion Zone Tolerance (ft)	Alert Zone Tolerance (ft)		
SRL [120' FSL - 2280' FWL]	0.00	0.00	0.00	-5.888.89	0.00	0.00	0.00	0.00	0.00	1,900.00	1,500.00	0.00	0.00	0.00	HS	189.54	189.54M	458.097.76	758.914.88	32°15'28.73024"N	103°37'46.12015"W	32.25424507	-103.6247782	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.780.44	30.25	4,000.00	6,000.00	
Nudge, Build 27'100'	1,900.00	0.00	189.54	1,500.00	-2,188.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	HS	189.54	189.54M	458.097.76	758.914.88	32°15'28.73024"N	103°37'46.12015"W	32.25424507	-103.6247782	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.780.44	30.25	4,000.00	6,000.00
Hold	1,975.24	9.50	189.54	1,873.06	-1,713.74	-38.74	59.33	-38.78	-6.52	475.24	473.06	2.00	2.00	0.00	HS	189.54	HS	458.095.98	759.008.36	32°15'28.544927"N	103°37'46.199016"W	32.25424508	-103.6249973	39.33	189.54	2.57	9.50	0.02	0.00	0.00	30.175.68	39.74	4,000.00	6,000.00	
Drop 27'100'	4,878.77	9.50	189.54	4,584.27	-4,897.77	-1,129.03	1,146.28	-1,159.42	-190.00	6,703.54	6,611.51	0.00	0.00	0.00	LS	189.54	LS	456.987.88	758.724.89	32°15'15.507178"N	103°37'46.4188907"W	32.25424144	-103.63018325	1,146.28	189.54	4.04	9.50	0.13	0.00	0.00	30.175.68	39.74	4,000.00	6,000.00	
Hold	9,154.01	0.00	189.54	9,057.63	5,370.83	-1,167.77	1,185.61	-1,169.21	-196.52	475.24	473.06	2.00	-2.00	0.00	HS	189.54	189.54M	456.928.80	758.718.37	32°15'15.173835"N	103°37'46.497714"W	32.25424145	-103.63013825	1,185.61	189.54	4.36	19.01	0.13	0.00	0.00	23.780.44	30.25	4,000.00	6,000.00	
WCP, Build 107'100'	10,864.01	0.00	189.54	10,757.63	7,070.83	-1,167.77	1,185.61	-1,169.21	-196.52	1,700.00	1,700.00	0.00	0.00	0.00	HS	359.59	359.59M	456.928.80	758.718.37	32°15'15.173835"N	103°37'46.497714"W	32.25424145	-103.63013825	1,185.61	189.54	4.36	19.01	0.11	0.00	0.00	23.780.44	30.25	4,000.00	6,000.00	
	11,068.86	23.49	359.59	10,985.96	7,299.16	-1,120.31	1,233.07	-1,121.74	-196.86	234.85	228.33	10.00	10.00	0.00	HS	359.59	HS	456.978.06	758.718.03	32°15'15.643479"N	103°37'46.498049"W	32.25434541	-103.63013835	1,138.89	189.54	4.72	42.49	0.11	Enter Alert	6,000.04	7.30	4,000.00	6,000.00		
	11,117.47	28.35	359.59	11,011.59	7,325.10	-1,159.28	1,245.12	-1,159.69	-196.84	28.61	25.94	10.00	10.00	0.00	HS	359.59	HS	456.986.11	758.717.94	32°15'15.702278"N	103°37'46.498134"W	32.25437853	-103.63013837	1,137.03	190.56	4.76	42.36	0.11	Enter Alert	4,000.02	4.86	4,000.00	6,000.00		
	11,192.80	33.88	359.59	11,077.02	7,390.22	-1,070.49	1,282.88	-1,071.93	-197.21	73.33	65.11	10.00	10.00	0.00	HS	359.59	HS	457.025.87	758.717.87	32°15'16.136407"N	103°37'46.498401"W	32.25448233	-103.63013844	1,089.92	190.42	4.84	52.89	0.12	Exit Alert	4,000.04	4.86	4,000.00	6,000.00		
Build 57'100'	11,221.40	36.74	359.59	11,100.36	7,413.56	-1,053.96	1,299.42	-1,055.40	-197.33	28.61	23.34	10.00	10.00	0.00	HS	359.59	HS	457.042.40	758.717.56	32°15'16.299987"N	103°37'46.498617"W	32.25462278	-103.63013848	1,073.89	190.59	4.86	55.75	0.12	Exit Alert	6,000.01	7.30	4,000.00	6,000.00		
	11,604.01	75.00	359.59	11,311.06	7,624.26	-743.10	1,610.27	-744.50	-199.56	382.61	210.70	10.00	10.00	0.00	HS	359.59	HS	457.053.24	758.715.33	32°15'16.476987"N	103°37'46.500709"W	32.25638221	-103.63013909	770.83	195.00	5.19	94.01	0.14	0.00	0.00	33.307.07	44.87	4,000.00	6,000.00	
Landing Point	11,887.81	89.19	359.59	11,390.00	7,663.20	-462.72	1,890.66	-464.17	-201.56	383.80	38.93	5.00	5.00	0.00	HS	359.59	HS	457.033.61	758.713.33	32°15'22.150387"N	103°37'46.502089"W	32.25615288	-103.63013964	506.05	203.47	5.33	108.20	0.17	0.00	0.00	40.510.70	59.13	4,000.00	6,000.00	
	11,887.81	89.19	359.59	11,351.41	7,664.61	-382.73	1,900.65	-384.19	-202.28	100.00	1.41	0.00	0.00	0.00	121.798	359.59	HS	457.733.59	758.712.81	32°15'23.139787"N	103°37'46.502391"W	32.25642772	-103.63013963	416.59	209.05	5.36	108.20	0.18	0.00	0.00	40.510.70	59.13	4,000.00	6,000.00	
Hold	11,988.05	89.19	359.59	11,351.41	7,664.61	-382.49	1,900.89	-383.95	-202.28	0.24	0.00	2.00	-1.05	1.70	HS	359.59	HS	457.733.83	758.712.61	32°15'23.142165"N	103°37'46.502393"W	32.25642838	-103.63013963	416.38	209.07	5.36	108.20	0.18	0.00	0.00	40.509.53	59.12	4,000.00	6,000.00	
Triste Draw 36-25 Federal Com.1	21,549.34	89.19	359.59	11,487.00	7,800.20	9,197.94	11,591.22	9,196.15	-270.01	9,961.29	135.59	0.00	0.00	0.00	HS	359.59	HS	457.293.55	758.644.88	32°16'57.742349"N	103°37'46.562607"W	32.26379621	-103.63015628	9,200.11	368.32	6.37	108.20	1.01	0.00	0.00	40.509.53	59.12	4,000.00	6,000.00	

Survey Type: Def Plan

ISOWSA Rev 4 *** 3-D, 95 % Confidence 2.7665 sigma

Survey Program:

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	Boreshole / Survey
	1	0.000	10,800.000	1/100.000	7.5 - 12.25 - 8.75 3.375 - 9.625 - 7			A001MB_MWD		Triste Draw 36-25 Federal Com 302H / Coterra Tri
	1	10,800.000	21,549.342	1/100.000	8.75 - 6	7 - 4.5		A008MB_MWD-HFR1+MS		Triste Draw 36-25 Federal Com 302H / Coterra Tri

EDU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,195.800	6.750	13.375	
4,822.050	12.250	9.625	
12,207.800	8.750	7.000	
21,549.342	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 302H Rev1 kFc 06Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 07, 2025 - 09:25 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra - Triste Draw 36-25 Federal Com Pad (west)
Slot: 302H
Well: Triste Draw 36-25 Federal Com 302H
Borehole: Triste Draw 36-25 Federal Com 302H
Scan MD Range: 0.00ft ~ 21549.34ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Triste Draw 36-25 Federal Com 302H Rev1 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 302H-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
20 out of 41 are selected

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

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

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	17.01	8.23	2.99	1.79	OSF 5.00	1090.00	1090.00		MinPts
20.00	20.11	6.26	-0.11	1.49	OSF 1.50	1320.00	1320.00	OSF<=1.50	Enter Minor
20.00	22.64	4.58	-2.64	1.32	OSF 1.50	1490.00	1490.00		MinPt-CtCt
20.35	23.78	4.17	-3.43	1.27	OSF 1.50	1570.00	1569.99		MinPt-EOU
20.45	23.92	4.18	-3.47	1.27	OSF 1.50	1580.00	1579.99		MinPt-SF
20.71	24.20	4.24	-3.49	1.27	OSF 1.50	1600.00	1599.98		MinPt-ADP
26.87	27.05	8.51	-0.18	1.49	OSF 1.50	1810.00	1809.40		Exit Minor
339.82	102.65	271.06	237.17	5.00	OSF 5.00	6130.00	6070.79	OSF>5.00	Exit Alert
637.82	177.38	519.24	460.44	5.42		10710.00	10613.62		MinPt-CtCt
637.94	177.81	519.07	460.13	5.40		10740.00	10643.62		MinPt-EOU
638.18	178.10	519.12	460.08	5.40		10760.00	10663.62		MinPt-ADP
639.13	178.63	519.72	460.50	5.39		10800.00	10703.62		MinPt-SF
703.54	164.07	593.84	539.48	6.46		11890.00	11350.03		MinPt-CtCt
703.55	164.08	593.83	539.47	6.46		11900.00	11350.17		MinPts
735.83	221.44	587.88	514.39	5.00	OSF 5.00	16000.00	11408.31	OSF<=5.00	Enter Alert
779.15	351.40	544.56	427.75	3.33	OSF 5.00	20980.00	11478.93		MinPt-EOU
779.33	351.64	544.58	427.69	3.33	OSF 5.00	20990.00	11479.07		MinPt-ADP
780.27	352.29	545.08	427.98	3.33	OSF 5.00	21020.00	11479.49		MinPt-SF
891.42	348.08	659.04	543.34	3.85	OSF 5.00	21549.34	11487.00		TD

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

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
34.99	28.40	23.22	6.60	3.22	OSF 5.00	1090.00	1090.00		MinPt-EOU
34.99	28.40	19.47	6.60	2.34	OSF 5.00	1500.00	1500.00		MinPts
35.15	28.40	19.34	6.75	2.30	OSF 5.00	1530.00	1530.00		MinPt-EOU
35.61	28.40	19.51	7.22	2.29	OSF 5.00	1560.00	1560.00		MinPt-SF
73.98	46.12	42.90	27.86	2.43	OSF 5.00	3080.00	3062.66		MinPt-EOU
85.75	59.95	45.45	25.80	2.16	OSF 5.00	3870.00	3841.81		MinPt-ADP
127.41	94.40	64.14	33.00	2.03	OSF 5.00	5710.00	5656.55		MinPt-SF
215.81	155.30	111.94	60.51	2.09	OSF 5.00	8940.00	8843.82		MinPt-SF
229.97	171.25	115.48	58.72	2.02	OSF 5.00	10260.00	10163.62		MinPt-CtCt
230.23	172.21	115.09	58.01	2.01	OSF 5.00	10350.00	10253.62		MinPt-EOU
230.33	172.34	115.11	57.99	2.01	OSF 5.00	10360.00	10263.62		MinPt-ADP
230.64	172.60	115.24	58.04	2.01	OSF 5.00	10380.00	10283.62		MinPt-SF
441.86	135.26	351.36	306.60	4.93	OSF 5.00	11010.00	10911.70	OSF>5.00	Exit Alert
661.44	112.59	586.05	548.84	8.88		11900.00	11350.17		MinPts
714.28	185.32	590.41	528.96	5.80		15840.00	11406.04		MinPt-EOU
716.93	188.50	590.93	528.43	5.73		15950.00	11407.60		MinPt-ADP
748.18	225.19	597.72	522.99	5.00	OSF 5.00	17240.00	11425.89	OSF<=5.00	Enter Alert
739.95	237.10	581.55	502.85	4.69	OSF 5.00	17700.00	11432.41		MinPt-CtCt
791.16	353.99	554.84	437.17	3.36	OSF 5.00	21549.34	11487.00		MinPts

Coterra Triste Draw 36-25 Federal Com 301H Rev1 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	33.06	7.60	6.85	CtCt 15.00m	590.00	590.00		MinPts
40.23	32.40	32.74	7.83	6.28	CtCt 15.00m	650.00	650.00		MinPt-EOU
46.16	32.40	36.82	13.77	5.57	CtCt 15.00m	850.00	850.00		MinPt-SF
49.05	32.40	39.23	16.65	5.60	CtCt 15.00m	900.00	900.00	CtCt<=15.00m	Exit Alert
162.27	32.40	141.81	129.87	8.28		2040.00	2036.93		MinPt-SF
1025.55	181.12	904.47	844.42	8.53		10900.00	10803.57		MinPt-EOU
1025.58	181.17	904.47	844.41	8.53		10910.00	10813.53		MinPt-ADP
1026.09	181.33	904.88	844.76	8.53		10950.00	10853.17		MinPt-SF
1281.45	180.32	1160.91	1101.13	10.71		12140.00	11353.57		MinPt-SF
1253.55	233.28	1097.70	1020.27	8.09		15720.00	11404.34		MinPt-CtCt
1253.70	233.87	1097.46	1019.84	8.07		15760.00	11404.90		MinPt-EOU
1253.92	234.14	1097.50	1019.78	8.06		15780.00	11405.19		MinPt-ADP
1263.42	237.21	1104.95	1026.21	8.02		16010.00	11408.45		MinPt-SF
1320.30	379.85	1066.74	940.45	5.22		21549.34	11487.00		MinPts

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	
Coterra Triste Draw 36-25 Federal Com 211H Rev0 kFc 06Oct25 (DefinitivePlan) - Warning Alert												
40.30	32.64	37.02	7.66	19.51		CtCt 15.00m	0.00	0.00				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	971.18	971.18				MinPts
40.53	32.64	29.02	7.88	3.84		OSF 5.00	1070.00	1070.00				MinPt-EOU
42.85	32.64	30.50	10.21	3.70		OSF 5.00	1180.00	1180.00				MinPt-SF
80.18	32.64	63.25	47.53	4.97		OSF 5.00	1670.00	1669.90		OSF>5.00		Exit Alert
1505.24	179.36	1385.34	1325.88	12.65			10610.00	10513.62				MinPt-SF
1669.13	175.84	1551.58	1493.29	14.31			11890.00	11350.03				MinPt-ADP
1686.46	213.27	1543.94	1473.18	11.91			15050.00	11394.83				MinPt-EOU
1686.65	213.53	1543.97	1473.12	11.90			15070.00	11395.12				MinPt-ADP
1693.75	240.04	1533.40	1453.71	10.62			16350.00	11413.27				MinPt-CtCt
1724.84	375.11	1474.44	1349.73	6.91			21549.34	11487.00				MinPts
Coterra Triste Draw 36-25 Federal Com 152H Rev0 kFc 06Oct25 (DefinitivePlan) - Warning Alert												
40.30	32.64	37.02	7.66	19.51		CtCt 15.00m	0.00	0.00				Enter Alert
40.30	32.64	37.02	7.66	19.51		CtCt 15.00m	26.50	26.50				WRP
40.30	32.64	28.54	7.66	3.72		OSF 5.00	1090.00	1090.00				MinPt-EOU
40.30	32.64	24.78	7.66	2.70		OSF 5.00	1500.00	1500.00				MinPts
41.65	32.64	23.14	9.01	2.32		OSF 5.00	1830.00	1829.27				MinPt-EOU
65.01	46.95	33.38	18.05	2.09		OSF 5.00	3070.00	3052.79				MinPt-SF
282.71	155.03	179.02	127.67	2.74		OSF 5.00	9730.00	9633.62				MinPts
434.29	133.05	345.27	301.24	4.92		OSF 5.00	10310.00	10213.62		OSF>5.00		Exit Alert
1155.65	98.67	1089.55	1056.99	17.73			12030.00	11352.01				MinPt-CtCt
1155.79	99.17	1089.35	1056.62	17.64			12060.00	11352.43				MinPt-EOU
1155.92	99.31	1089.38	1056.61	17.62			12070.00	11352.58				MinPt-ADP
1191.42	144.10	1095.03	1047.32	12.48			14620.00	11388.74				MinPt-EOU
1194.72	148.03	1095.71	1046.70	12.18			14770.00	11390.86				MinPt-ADP
1229.27	216.61	1084.53	1012.66	8.54			17250.00	11426.03				MinPt-CtCt
1287.70	349.02	1054.69	938.68	5.55			21549.34	11487.00				MinPts
Coterra Triste Draw 36-25 Federal Com 402H - Corrected MWD to 22603ft (DefinitiveSurvey) - Warning Alert												
134.32	32.81	131.73	101.52	94.26			0.00	0.00				Surface
134.14	32.81	131.55	101.33	94.00			10.00	10.00				MinPts
134.15	32.81	131.56	101.34	94.01			26.50	26.50				WRP
132.16	32.81	120.88	99.35	12.97			1090.00	1090.00				MinPt-EOU
104.18	32.81	82.39	71.37	4.96		OSF 5.00	2190.00	2184.88		OSF<=5.00		Enter Alert
63.56	47.34	31.67	16.21	2.02		OSF 5.00	3214.30	3195.12				MinPt-CtCt
63.70	47.82	31.49	15.88	2.01		OSF 5.00	3250.00	3230.32				MinPt-EOU
63.90	48.08	31.51	15.81	2.00		OSF 5.00	3270.00	3250.05				MinPt-ADP
64.37	48.49	31.72	15.88	2.00		OSF 5.00	3300.00	3279.64				MinPt-SF
70.87	54.94	33.91	15.93	1.94		OSF 5.00	3700.00	3674.15				MinPt-CtCt
71.02	55.42	33.75	15.60	1.93		OSF 5.00	3730.00	3703.73				MinPt-EOU
71.29	55.75	33.80	15.54	1.93		OSF 5.00	3750.00	3723.46				MinPt-ADP
71.48	55.91	33.87	15.56	1.93		OSF 5.00	3760.00	3733.32				MinPt-SF
109.46	74.43	59.51	35.03	2.22		OSF 5.00	4810.00	4768.91				MinPt-SF
385.73	145.28	288.54	240.44	4.00		OSF 5.00	8860.00	8764.14				MinPt-SF
412.34	154.85	308.78	257.49	4.01		OSF 5.00	9550.00	9453.62				MinPt-EOU
413.23	156.03	308.88	257.20	3.99		OSF 5.00	9640.00	9543.62				MinPt-ADP
415.62	158.88	309.37	256.74	3.94		OSF 5.00	9860.00	9763.62				MinPt-EOU
416.61	160.06	309.57	256.54	3.92		OSF 5.00	9850.00	9853.62				MinPt-ADP
422.80	169.46	309.50	253.34	3.76		OSF 5.00	10670.00	10573.62				MinPt-EOU
424.24	171.18	309.79	253.06	3.73		OSF 5.00	10800.00	10703.62				MinPt-ADP
424.87	171.71	310.07	253.17	3.72		OSF 5.00	10854.01	10757.63				MinPt-ADP
424.33	172.51	308.99	251.82	3.70		OSF 5.00	11010.00	10911.70				MinPt-CtCt
424.34	172.55	308.98	251.79	3.70		OSF 5.00	11020.00	10921.31				MinPt-EOU
424.36	172.58	308.98	251.78	3.70		OSF 5.00	11030.00	10930.87				MinPt-ADP
424.41	172.61	309.01	251.80	3.70		OSF 5.00	11040.00	10940.37				MinPt-SF
558.65	169.85	445.09	388.80	4.95		OSF 5.00	11560.00	11298.05		OSF>5.00		Exit Alert
1169.78	127.23	1084.63	1042.55	13.89			12810.00	11363.07				MinPt-CtCt
1169.86	127.47	1084.55	1042.39	13.86			12840.00	11363.49				MinPt-EOU
1170.27	127.93	1084.65	1042.34	13.82			12890.00	11364.20				MinPt-ADP
1154.89	140.60	1060.83	1014.29	12.40			13710.00	11375.83				MinPts
1154.91	140.62	1060.84	1014.29	12.40			13720.00	11375.97				MinPt-ADP
1155.60	140.74	1061.45	1014.86	12.39			13770.00	11376.68				MinPt-SF
1152.68	152.50	1050.69	1000.19	11.40			14300.00	11384.20				MinPt-CtCt
1152.72	152.67	1050.61	1000.05	11.39			14320.00	11384.48				MinPt-EOU
1152.78	152.75	1050.62	1000.03	11.38			14330.00	11384.62				MinPt-ADP
1109.78	186.74	984.96	923.04	8.95			15770.00	11405.04				MinPt-CtCt
1110.01	187.52	984.67	922.49	8.92			15820.00	11405.75				MinPt-EOU
1110.41	187.99	984.76	922.42	8.90			15850.00	11406.18				MinPt-ADP
1101.90	206.07	964.19	895.82	8.05			16500.00	11415.40				MinPt-CtCt
1101.34	210.45	960.71	890.89	7.88			16660.00	11417.67				MinPt-CtCt
1101.61	211.23	960.46	890.38	7.85			16710.00	11418.37				MinPt-EOU
1086.23	231.46	931.60	854.77	7.06			17420.00	11428.44				MinPt-CtCt
1077.34	238.60	917.95	838.74	6.79			17670.00	11431.99				MinPt-CtCt
1077.53	239.17	917.76	838.36	6.78			17710.00	11432.56				MinPt-EOU
1077.65	239.31	917.78	838.34	6.78			17720.00	11432.70				MinPt-ADP
1078.75	247.82	913.21	830.93	6.55			17990.00	11436.53				MinPt-CtCt
1075.86	257.69	903.74	818.17	6.28			18330.00	11441.35				MinPt-CtCt
1075.90	257.91	903.64	818.00	6.28			18350.00	11441.63				MinPt-EOU
1075.98	258.02	903.64	817.96	6.27			18360.00	11441.77				MinPt-ADP
1078.76	262.73	903.28	816.03	6.18			18500.00	11443.76				MinPt-CtCt
1078.88	263.09	903.16	815.79	6.17			18530.00	11444.18				MinPt-EOU
1078.99	263.21	903.18	815.77	6.17			18540.00	11444.33				MinPt-ADP
1081.22	269.24	901.40	811.98	6.04			18720.00	11446.88				MinPt-CtCt
1081.29	269.42	901.35	811.87	6.04			18740.00	11447.16				MinPts
1082.44	269.92	902.17	812.52	6.03			18800.00	11448.01				MinPt-SF
1083.36	274.81	899.82	808.55	5.93			18910.00	11449.57				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	
1083.59	275.44		899.63	808.15	5.92		18950.00	11450.14				MinPt-EOU
1083.85	275.75		899.70	808.11	5.91		18970.00	11450.42				MinPt-ADP
1084.42	281.03		896.74	803.40	5.80		19120.00	11452.55				MinPt-CtCt
1080.91	292.71		885.44	788.20	5.55		19510.00	11458.08				MinPt-CtCt
1081.11	296.21		883.30	784.89	5.49		19630.00	11459.78				MinPt-CtCt
1081.26	296.66		883.15	784.59	5.48		19660.00	11460.21				MinPt-EOU
1081.50	296.95		883.20	784.55	5.48		19680.00	11460.49				MinPt-ADP
1064.06	320.04		850.37	744.01	5.00	OSF 5.00	20360.00	11470.13	OSF<=5.00			Enter Alert
1049.11	333.94		826.16	715.17	4.72	OSF 5.00	20870.00	11477.37				MinPt-CtCt
1049.17	334.16		826.07	715.01	4.72	OSF 5.00	20890.00	11477.65				MinPt-EOU
1049.25	334.26		826.09	715.00	4.72	OSF 5.00	20900.00	11477.79				MinPt-ADP
1056.26	345.89		825.34	710.37	4.59	OSF 5.00	21290.00	11483.32				MinPt-EOU
1056.81	346.62		825.40	710.19	4.58	OSF 5.00	21320.00	11483.75				MinPt-ADP
1065.26	352.29		830.07	712.97	4.54	OSF 5.00	21549.34	11487.00				MinPt-SF

Coterra Triste Draw 36-25 Federal Com 352H - Corrected MWD to 22318ft (DefinitiveSurvey) - Warning Alert

152.45	32.81	149.75	119.64	106.99			0.00	0.00				Surface
152.29	32.81	149.59	119.48	106.76			26.50	26.50				WRP
149.88	32.81	140.57	117.07	18.52			874.13	874.13				MinPts
151.29	32.81	139.92	118.48	14.87			1090.00	1090.00				MinPt-EOU
153.07	32.81	139.69	120.26	12.34			1320.00	1320.00				MinPt-EOU
154.33	32.81	137.80	121.52	9.87			1830.00	1829.27				MinPts
155.11	32.81	137.16	122.30	9.08			2030.00	2027.07				MinPt-EOU
158.07	35.64	133.98	122.43	6.80			2730.00	2717.46				MinPt-EOU
160.81	38.90	134.55	121.91	6.32			2950.00	2934.44				MinPt-ADP
174.89	51.05	140.52	123.83	5.21			3730.00	3703.73				MinPt-EOU
175.27	51.52	140.59	123.74	5.17			3760.00	3733.32				MinPt-ADP
178.18	54.25	141.68	123.93	4.99	OSF 5.00		3930.00	3900.99	OSF<=5.00			Enter Alert
180.90	57.17	142.45	123.73	4.80	OSF 5.00		4110.00	4078.52				MinPt-ADP
199.26	66.45	154.63	132.81	4.54	OSF 5.00		4680.00	4640.69				MinPt-SF
202.41	75.63	151.65	126.77	4.05	OSF 5.00		5230.00	5183.14				MinPt-CtCt
202.62	76.27	151.45	126.35	4.02	OSF 5.00		5270.00	5222.59				MinPt-EOU
203.19	76.91	151.59	126.28	3.99	OSF 5.00		5310.00	5262.04				MinPt-ADP
239.49	107.58	167.44	131.91	3.36	OSF 5.00		7150.00	7076.78				MinPt-EOU
227.85	133.81	138.31	94.04	2.56	OSF 5.00		8620.00	8526.60				MinPt-CtCt
228.32	135.27	137.81	93.04	2.54	OSF 5.00		8710.00	8615.40				MinPt-EOU
228.97	136.04	137.95	92.93	2.53	OSF 5.00		8760.00	8664.86				MinPt-ADP
219.68	160.79	112.15	58.88	2.05	OSF 5.00		10690.00	10593.62				MinPt-CtCt
218.35	163.77	108.84	54.58	2.00	OSF 5.00		10990.00	10892.35				MinPt-CtCt
218.39	163.86	108.82	54.53	2.00	OSF 5.00		11000.00	10902.05				MinPt-EOU
218.46	163.94	108.84	54.52	2.00	OSF 5.00		11010.00	10911.70				MinPts
526.58	160.49	419.26	366.09	4.94	OSF 5.00		11670.00	11326.30	OSF>5.00			Exit Alert
825.37	116.77	747.19	708.60	10.68			12190.00	11354.28				MinPt-CtCt
825.51	117.59	746.79	707.92	10.61			12300.00	11355.84				MinPt-EOU
825.76	117.89	746.84	707.87	10.58			12340.00	11356.40				MinPt-ADP
825.72	120.13	745.31	705.59	10.38			12540.00	11359.24				MinPt-CtCt
825.93	121.23	744.78	704.70	10.29			12650.00	11360.80				MinPt-EOU
826.14	121.49	744.82	704.65	10.27			12680.00	11361.23				MinPt-ADP
758.54	222.40	609.94	536.14	5.13			17040.00	11423.05				MinPt-CtCt
758.29	227.06	606.59	531.23	5.02			17200.00	11425.32				MinPt-CtCt
758.47	228.42	605.86	530.05	5.00	OSF 5.00		17260.00	11426.17	OSF<=5.00			Enter Alert
759.00	229.46	605.69	529.53	4.98	OSF 5.00		17310.00	11426.88				MinPt-EOU
760.42	239.51	600.42	520.91	4.78	OSF 5.00		17640.00	11431.56				MinPt-CtCt
701.41	358.61	462.01	342.80	2.94	OSF 5.00		21549.34	11487.00				MinPts

30-025-40343 - Triste Draw 36 State 4H - Gyro-MWD to 15427ft - A (DefinitiveSurvey) - Warning Alert

3693.76	32.81	3690.37	3660.95	2610.03			0.00	0.00				MinPts
3693.78	32.81	3690.38	3660.97	2607.04			26.50	26.50				WRP
3690.93	32.81	3678.44	3658.12	350.95			1090.00	1090.00				MinPt-EOU
3690.09	32.81	3675.68	3657.28	291.60			1320.00	1320.00				MinPts
3690.74	32.81	3674.54	3657.93	255.55			1510.00	1510.00				MinPt-EOU
559.76	170.32	445.68	389.45	4.96	OSF 5.00		10620.00	10523.62	OSF<=5.00			Enter Alert
279.28	234.70	122.28	44.58	1.79	OSF 5.00		11190.00	11074.69				MinPts
279.21	234.51	122.33	44.70	1.79	OSF 5.00		11197.65	11081.03				MinPt-CtCt
435.27	166.63	323.65	268.65	3.94	OSF 5.00		12190.00	11354.28				MinPt-EOU
433.24	164.59	323.01	268.65	3.97	OSF 5.00		12270.00	11355.41				MinPt-ADP
432.69	163.91	322.92	268.79	3.98	OSF 5.00		12300.00	11355.84				MinPt-EOU
431.35	159.57	324.47	271.78	4.08	OSF 5.00		12470.00	11358.25				MinPt-CtCt
430.39	153.74	327.40	276.65	4.23	OSF 5.00		12830.00	11363.35				MinPt-EOU
430.28	153.34	327.55	276.94	4.24	OSF 5.00		12870.00	11363.92				MinPt-CtCt
428.01	145.87	330.27	282.14	4.43	OSF 5.00		13300.00	11370.02				MinPt-EOU
426.54	143.96	330.07	282.58	4.48	OSF 5.00		13410.00	11371.58				MinPt-ADP
426.33	143.71	330.02	282.62	4.48	OSF 5.00		13430.00	11371.86				MinPt-EOU
424.34	140.92	329.89	283.41	4.55	OSF 5.00		13610.00	11374.41				MinPt-EOU
424.15	140.24	330.15	283.91	4.57	OSF 5.00		13670.00	11375.26				MinPt-CtCt
419.66	133.62	330.08	286.04	4.75	OSF 5.00		14080.00	11381.08				MinPt-ADP
414.01	131.06	326.14	282.95	4.78	OSF 5.00		14260.00	11383.63				MinPt-SF
412.33	130.55	324.80	281.78	4.78	OSF 5.00		14320.00	11384.48				MinPt-SF
403.31	130.15	316.04	273.16	4.68	OSF 5.00		14640.00	11389.02				MinPt-CtCt
403.34	130.21	316.03	273.13	4.68	OSF 5.00		14650.00	11389.16				MinPts
403.75	131.41	315.65	272.34	4.64	OSF 5.00		14860.00	11392.14				MinPt-EOU
403.86	131.54	315.67	272.33	4.64	OSF 5.00		14870.00	11392.28				MinPt-ADP
406.61	132.83	317.56	273.78	4.63	OSF 5.00		14980.00	11393.84				MinPt-SF
408.22	133.36	318.82	274.86	4.63	OSF 5.00		15030.00	11394.55				MinPt-SF
432.07	146.07	334.19	286.00	4.47	OSF 5.00		15720.00	11404.34				MinPt-SF
521.02	158.05	415.15	362.97	4.98	OSF 5.00		16010.00	11408.45	OSF>5.00			Exit Alert
5625.66	176.66	5507.39	5449.00	48.16			21549.34	11487.00				TD

30-025-41150-0100 - Triste Draw 25 Federal 3H ST01 - MWD to 15359ft - A (DefinitiveSurvey) - Warning Alert

4412.92	32.81	4409.52	4380.11	3118.47			0.00	0.00				MinPts
---------	-------	---------	---------	---------	--	--	------	------	--	--	--	--------

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	
4412.99	32.81		4409.60	4380.18	3116.87		26.50	26.50				WRP
4422.54	32.81		4413.84	4389.74	656.99		740.00	740.00				MinPt-EOU
4424.48	32.81		4412.17	4391.67	428.18		1090.00	1090.00				MinPt-EOU
4424.28	32.81		4409.53	4391.47	340.45		1360.00	1360.00				MinPts
4424.51	32.81		4408.10	4391.70	301.79		1530.00	1530.00				MinPt-EOU
5527.20	150.14		5426.57	5377.06	55.81		10100.00	10003.62				MinPt-CiCt
5527.89	151.75		5426.19	5376.15	55.21		10240.00	10143.62				MinPt-EOU
5529.17	156.23		5424.48	5372.94	53.63		10530.00	10433.62				MinPt-CiCt
5529.27	156.55		5424.37	5372.73	53.52		10570.00	10473.62				MinPt-EOU
5529.41	156.71		5424.40	5372.70	53.46		10590.00	10493.62				MinPt-ADP
5535.09	158.13		5429.13	5376.96	53.03		10820.00	10723.62				MinPt-SF
529.91	160.95		422.11	368.96	4.97	OSF 5.00	16930.00	11421.49	OSF<=5.00			Enter Alert
451.63	176.66		333.36	274.97	3.85	OSF 5.00	17483.11	11429.34				MinPt-CiCt
452.19	178.33		332.80	273.85	3.82	OSF 5.00	17550.00	11430.29				MinPt-EOU
452.79	179.09		332.90	273.70	3.81	OSF 5.00	17580.00	11430.71				MinPt-ADP
463.27	196.33		331.88	266.93	3.56	OSF 5.00	18340.00	11441.49				MinPt-EOU
467.19	204.24		330.53	262.95	3.45	OSF 5.00	18660.00	11446.03				MinPt-EOU
475.47	218.33		329.42	257.14	3.28	OSF 5.00	19190.00	11453.54				MinPt-EOU
489.11	244.96		325.31	244.16	3.00	OSF 5.00	20180.00	11467.58				MinPt-CiCt
504.58	278.77		318.24	225.81	2.72	OSF 5.00	21330.00	11483.89				MinPt-EOU
504.92	279.18		318.30	225.74	2.72	OSF 5.00	21340.00	11484.03				MinPt-ADP
505.46	279.52		318.61	225.94	2.72	OSF 5.00	21350.00	11484.17				MinPt-SF
555.03	273.75		372.03	281.28	3.05	OSF 5.00	21549.34	11487.00				TD

30-025-21081 - BRINNINSTOOL P UNIT 1 - INC Only to 17649ft - P&A (DefinitiveSurvey) - Warning Alert

1268.46	32.81		1265.07	1235.65	895.38		0.00	0.00				Surface
1268.46	32.81		1265.07	1235.65	895.33		26.50	26.50				WRP
1268.46	89.86		1207.97	1178.60	21.57		1500.00	1500.00				MinPt-CiCt
1272.95	103.22		1203.55	1169.73	18.79		1690.00	1689.86				MinPt-EOU
1280.45	112.35		1204.96	1168.09	17.34		1810.00	1809.40				MinPt-ADP
2268.48	682.53		1812.92	1585.95	4.99	OSF 5.00	10910.00	10813.53	OSF<=5.00			Enter Alert
1238.09	725.77		753.74	512.32	2.56	OSF 5.00	13086.48	11366.99				MinPt-CiCt
1238.09	725.78		753.74	512.31	2.56	OSF 5.00	13090.00	11367.04				MinPts
2414.85	727.53		1929.33	1687.32	4.99	OSF 5.00	15160.00	11396.39	OSF>5.00			Exit Alert
8552.11	735.41		8061.34	7816.70	17.48		21549.34	11487.00				TD

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

53.14	32.81		49.86	20.34	25.92		0.00	0.00				Surface
53.14	32.81		49.86	20.34	25.92		26.50	26.50				WRP
53.14	32.81		46.21	20.34	9.18		590.00	590.00				MinPts
53.60	32.81		45.65	20.80	7.84		700.00	700.00				MinPt-EOU
62.70	32.81		52.01	29.90	6.53		990.00	990.00				MinPt-SF
1461.23	168.64		1348.48	1292.59	13.07		9730.00	9633.62				MinPt-EOU
1461.30	168.72		1348.48	1292.57	13.06		9740.00	9643.62				MinPt-ADP
1465.75	169.74		1352.26	1296.01	13.02		9870.00	9773.62				MinPt-SF
1960.03	154.12		1856.96	1805.92	19.19		11930.00	11350.59				MinPt-SF
1991.42	156.14		1886.99	1835.27	19.24		12230.00	11354.84				MinPt-SF
2090.75	165.98		1979.76	1924.76	19.00		12930.00	11364.77				MinPt-EOU
2160.44	365.09		1916.72	1795.35	8.90		21549.34	11487.00				MinPts

Coterra Triste Draw 36-25 Federal Com 401H - Corrected MWD to 22803ft (DefinitiveSurvey) - Pass

100.19	32.81		97.60	67.38	70.14		0.00	0.00				Surface
99.98	32.81		97.39	67.17	69.85		26.50	26.50				WRP
88.91	32.81		76.98	56.10	8.03		1175.39	1175.39				MinPts
89.08	32.81		76.81	56.27	7.81		1210.00	1210.00				MinPt-EOU
94.84	32.81		81.20	62.03	7.42		1350.00	1350.00				MinPt-SF
460.86	57.56		422.15	403.29	12.19		3710.00	3684.01				MinPt-SF
600.31	70.62		552.90	529.69	12.91		4480.00	4443.44				MinPt-SF
1156.88	117.65		1078.12	1039.23	14.86		7180.00	7106.37				MinPt-SF
1217.34	122.84		1135.12	1094.50	14.97		7480.00	7402.25				MinPt-SF
1232.74	124.39		1149.48	1108.35	14.97		7560.00	7481.16				MinPt-SF
1291.04	129.65		1204.28	1161.39	15.04		7860.00	7777.04				MinPt-SF
1306.04	131.15		1218.28	1174.89	15.04		7940.00	7855.94				MinPt-SF
1365.48	136.11		1274.41	1229.37	15.15		8240.00	8151.82				MinPt-SF
1426.63	141.38		1332.04	1285.25	15.23		8540.00	8447.70				MinPt-SF
1498.96	147.86		1400.06	1351.10	15.30		8900.00	8803.95				MinPt-SF
1587.02	155.00		1483.36	1432.02	15.45		9330.00	9233.62				MinPt-SF
1642.87	160.14		1535.78	1482.73	15.47		9680.00	9583.62				MinPt-SF
1763.57	179.04		1643.89	1584.54	14.85		11190.00	11074.69				MinPt-SF
2043.50	163.58		1934.12	1879.92	18.84		12440.00	11357.82				MinPt-CiCt
2043.51	163.60		1934.12	1879.91	18.84		12450.00	11357.96				MinPts
2030.08	166.10		1919.01	1863.97	18.43		12890.00	11364.20				MinPt-CiCt
2030.12	166.24		1918.97	1863.88	18.42		12920.00	11364.63				MinPt-EOU
2030.16	166.29		1918.97	1863.87	18.41		12930.00	11364.77				MinPt-ADP
2013.30	196.41		1882.03	1816.89	15.45		15150.00	11396.25				MinPt-CiCt
2009.97	202.46		1874.67	1807.51	14.96		15470.00	11400.79				MinPt-CiCt
2009.27	205.17		1872.16	1804.10	14.75		15610.00	11402.78				MinPt-CiCt
2009.51	205.90		1871.92	1803.62	14.70		15660.00	11403.48				MinPt-EOU
2009.85	209.17		1870.08	1800.68	14.47		15810.00	11405.61				MinPt-CiCt
1996.68	231.70		1841.89	1764.98	12.98		16850.00	11420.36				MinPt-CiCt
1997.20	233.81		1841.00	1763.39	12.86		16960.00	11421.92				MinPt-EOU
1997.81	234.53		1841.12	1763.28	12.83		17000.00	11422.49				MinPt-ADP
1998.13	240.47		1837.49	1757.66	12.51		17230.00	11425.75				MinPt-CiCt
1996.81	246.95		1831.85	1749.86	12.17		17500.00	11429.58				MinPt-CiCt
1986.88	272.09		1805.15	1714.78	10.99		18500.00	11443.76				MinPt-CiCt
1987.51	273.92		1804.57	1713.59	10.92		18590.00	11445.03				MinPt-EOU
1992.23	279.22		1805.75	1713.01	10.73		18810.00	11448.15				MinPt-ADP
1996.10	292.15		1801.01	1703.96	10.28		19270.00	11454.68				MinPt-CiCt
1996.55	299.22		1796.74	1697.33	10.04		19530.00	11458.36				MinPt-CiCt
1997.60	302.80		1795.41	1694.80	9.92		19680.00	11460.49				MinPt-EOU

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	
1998.55	303.93	1795.61	1694.63	9.89		19730.00	11461.20				MinPt-ADP	
1974.68	324.15	1758.25	1650.53	9.16		20430.00	11471.13				MinPt-CiCt	
1975.55	326.63	1757.46	1648.91	9.10		20540.00	11472.69				MinPt-EOU	
1974.83	337.25	1749.67	1637.58	8.80		20900.00	11477.79				MinPt-CiCt	
1977.79	350.40	1743.86	1627.39	8.49		21360.00	11484.31				MinPt-CiCt	
1978.97	355.51	1741.64	1623.46	8.37		21549.34	11487.00				MinPts	

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

116.80	32.81	114.10	83.99	81.80		0.00	0.00				Surface
116.58	32.81	113.88	83.77	81.51		26.50	26.50				WRP
106.10	32.81	93.11	73.29	8.81		1273.65	1273.65				MinPts
106.42	32.81	92.78	73.62	8.38		1340.00	1340.00				MinPt-EOU
132.46	32.81	111.79	99.65	6.68		2100.00	2096.11				MinPt-SF
870.55	110.62	796.47	759.93	11.90		6800.00	6731.59				MinPt-SF
898.72	113.99	822.40	784.73	11.92		6980.00	6909.12				MinPt-SF
985.74	123.99	902.75	861.74	12.01		7550.00	7471.29				MinPt-SF
1032.51	129.01	946.17	903.50	12.09		7840.00	7757.31				MinPt-SF
1081.88	134.21	992.09	947.68	12.17		8140.00	8053.19				MinPt-SF
1117.35	139.12	1024.28	978.23	12.12		8390.00	8299.76				MinPt-SF
1226.87	169.34	1113.65	1057.53	10.92		10450.00	10353.62				MinPt-CiCt
1227.31	170.66	1113.20	1056.64	10.84		10550.00	10453.62				MinPt-EOU
1225.11	175.41	1107.84	1049.70	10.53		11060.00	10959.21				MinPt-CiCt
1225.14	175.50	1107.81	1049.64	10.52		11080.00	10977.81				MinPts
1225.80	175.71	1108.33	1050.09	10.51		11140.00	11031.89				MinPt-SF
1340.23	157.40	1234.97	1182.83	12.84		12490.00	11358.53				MinPts
1340.24	157.41	1234.97	1182.83	12.84		12500.00	11358.67				MinPt-ADP
1340.53	157.46	1235.23	1183.07	12.84		12540.00	11359.24				MinPt-SF
1344.40	160.09	1237.35	1184.31	12.67		12850.00	11363.64				MinPt-CiCt
1343.17	163.10	1234.11	1180.07	12.42		13180.00	11368.32				MinPt-CiCt
1343.19	163.15	1234.09	1180.04	12.42		13190.00	11368.46				MinPt-EOU
1343.23	163.20	1234.10	1180.03	12.41		13200.00	11368.60				MinPt-ADP
1341.55	166.77	1230.04	1174.78	12.13		13520.00	11373.14				MinPt-CiCt
1335.05	175.25	1217.89	1159.80	11.48		14150.00	11382.07				MinPt-CiCt
1333.70	179.46	1213.73	1154.24	11.20		14420.00	11385.90				MinPt-CiCt
1328.44	193.02	1199.43	1135.42	10.37		15170.00	11396.54				MinPt-CiCt
1327.44	197.79	1195.26	1129.66	10.11		15410.00	11399.94				MinPt-CiCt
1324.93	204.37	1188.36	1120.56	9.76		15730.00	11404.48				MinPt-CiCt
1325.90	206.59	1187.85	1119.31	9.67		15850.00	11406.18				MinPt-EOU
1325.65	213.91	1182.71	1111.73	9.33		16160.00	11410.57				MinPt-CiCt
1325.81	214.47	1182.50	1111.34	9.31		16200.00	11411.14				MinPt-EOU
1326.06	214.75	1182.56	1111.31	9.30		16220.00	11411.43				MinPt-ADP
1325.05	222.13	1176.64	1102.92	8.98		16530.00	11415.82				MinPt-CiCt
1322.77	230.26	1168.94	1092.51	8.65		16880.00	11420.79				MinPt-CiCt
1301.12	267.92	1122.18	1033.20	7.31		18370.00	11441.91				MinPt-CiCt
1296.30	280.70	1108.84	1015.60	6.95		18850.00	11448.72				MinPt-CiCt
1296.37	283.69	1106.92	1012.69	6.87		18960.00	11450.28				MinPt-CiCt
1296.90	285.11	1106.49	1011.79	6.84		19030.00	11451.27				MinPt-EOU
1297.42	285.71	1106.62	1011.71	6.83		19060.00	11451.70				MinPt-ADP
1297.69	295.28	1100.51	1002.41	6.61		19380.00	11456.24				MinPt-CiCt
1298.09	299.44	1098.13	998.65	6.52		19530.00	11458.36				MinPt-CiCt
1296.58	311.51	1088.57	985.06	6.26		19960.00	11464.46				MinPt-CiCt
1294.10	319.72	1080.63	974.38	6.09		20250.00	11468.57				MinPt-CiCt
1292.72	338.37	1066.82	954.36	5.74		20900.00	11477.79				MinPt-CiCt
1293.99	341.21	1066.19	952.78	5.70		21020.00	11479.49				MinPt-EOU
1282.26	357.03	1043.91	925.23	5.40		21549.34	11487.00				MinPts

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

3697.12	32.81	3693.72	3664.31	2610.96		0.00	0.00				Surface
3696.99	32.81	3693.58	3664.18	2589.44		26.50	26.50				WRP
3688.97	32.81	3676.62	3656.16	355.30		1090.00	1090.00				MinPt-EOU
3688.86	32.81	3676.20	3656.05	338.12		1150.00	1150.00				MinPts
3688.87	32.81	3673.85	3656.06	278.19		1390.00	1390.00				MinPts
3689.53	32.81	3672.99	3656.72	249.50		1540.00	1540.00				MinPt-EOU
524.84	145.90	427.03	378.94	5.44		9856.31	9759.93				MinPts
524.85	145.92	427.04	378.93	5.44		9860.00	9763.62				MinPts
1563.22	126.15	1478.58	1437.06	18.81		12190.00	11354.28				MinPt-ADP
1562.38	125.55	1478.16	1436.83	18.87		12260.00	11355.27				MinPt-ADP
1562.32	125.48	1478.17	1436.84	18.88		12270.00	11355.41				MinPt-EOU
1562.24	125.27	1478.23	1436.97	18.92		12300.00	11355.84				MinPt-CiCt
1559.74	119.54	1479.55	1440.20	19.80		12960.00	11365.20				MinPt-ADP
1559.72	119.52	1479.55	1440.21	19.81		12970.00	11365.34				MinPt-EOU
1559.72	119.49	1479.55	1440.22	19.81		12980.00	11365.48				MinPt-CiCt
1561.03	118.28	1481.68	1442.75	20.03		13260.00	11369.45				MinPts
1561.05	118.28	1481.70	1442.77	20.03		13280.00	11369.73				MinPt-SF
1562.79	118.53	1483.27	1444.26	20.01		13430.00	11371.86				MinPt-SF
1560.14	118.30	1480.77	1441.83	20.02		13920.00	11378.81				MinPt-CiCt
1560.21	118.51	1480.70	1441.69	19.98		13960.00	11379.38				MinPt-EOU
1560.34	118.68	1480.72	1441.66	19.95		13990.00	11379.80				MinPt-ADP
1578.05	123.20	1495.42	1454.85	19.43		14590.00	11388.31				MinPt-SF
1579.23	123.21	1495.58	1455.01	19.44		14660.00	11389.30				MinPt-EOU
1579.57	123.61	1496.67	1455.96	19.38		14690.00	11389.73				MinPt-ADP
1587.83	127.43	1502.38	1460.40	18.90		14980.00	11393.84				MinPt-SF
1589.08	128.31	1503.05	1460.78	18.78		15110.00	11395.69				MinPt-EOU
1589.84	129.22	1503.20	1460.63	18.65		15170.00	11396.54				MinPt-ADP
1591.05	131.46	1502.91	1459.59	18.35		15350.00	11399.09				MinPt-CiCt
1591.36	132.79	1502.34	1458.58	18.16		15420.00	11400.08				MinPt-EOU
1591.73	133.24	1502.41	1458.49	18.11		15440.00	11400.36				MinPt-ADP
1681.62	147.76	1582.61	1533.86	17.23		16040.00	11408.87				MinPt-SF
5933.31	181.21	5812.00	5752.09	49.51		21549.34	11487.00				TD

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	
30-025-40688 - QUESO STATE 1H - Gyro+MWD to 15507ft - A (DefinitiveSurvey) - Pass												
1305.32	32.81	1301.93	1272.51	921.45			0.00	0.00				Surface
1305.31	32.81	1301.92	1272.50	921.43			10.00	10.00				MinPts
1305.31	32.81	1301.92	1272.51	921.44			26.50	26.50				WRP
1304.81	32.81	1297.56	1272.00	247.22			580.00	580.00				MinPts
1302.91	32.81	1290.68	1270.10	126.85			1090.00	1090.00				MinPt-EOU
891.34	122.53	809.12	768.81	11.04			7674.90	7594.48				MinPt-CtCt
892.10	124.54	808.53	767.55	10.87			7800.00	7717.86				MinPt-EOU
894.07	126.99	808.88	767.08	10.68			7950.00	7865.80				MinPt-ADP
917.87	156.31	813.12	761.56	8.88			10110.00	10013.62				MinPt-CtCt
918.23	157.33	812.81	760.90	8.83			10260.00	10163.62				MinPt-EOU
918.87	158.09	812.94	760.78	8.79			10370.00	10273.62				MinPt-ADP
919.94	159.16	813.29	760.77	8.74			10520.00	10423.62				MinPt-ADP
922.18	159.91	815.03	762.27	8.72			10640.00	10543.62				MinPt-SF
1096.17	177.30	977.47	918.86	9.34			12960.00	11365.20				MinPt-EOU
1097.48	178.88	977.73	918.60	9.27			13030.00	11366.19				MinPt-ADP
1080.57	227.40	928.47	853.18	7.17			14580.00	11388.17				MinPt-CtCt
1082.53	233.30	926.50	849.24	7.00			14760.00	11390.72				MinPt-EOU
1084.99	236.28	926.97	848.71	6.92			14850.00	11392.00				MinPt-ADP
1084.02	252.80	924.99	841.22	6.52			15290.00	11398.24				MinPt-EOU
1095.12	254.10	925.22	841.02	6.49			15330.00	11398.80				MinPt-ADP
1109.78	284.21	919.80	825.56	5.88			16070.00	11409.30				MinPts
1110.39	284.50	920.22	825.89	5.88			16090.00	11409.58				MinPt-SF
5614.18	183.99	5491.01	5430.18	46.13			21549.34	11487.00				TD
30-025-50151 - QUESO FEDERAL COM 604H - Gyro+MWD to 22543ft - A (DefinitiveSurvey) - Pass												
1653.85	32.81	1650.45	1621.04	1167.87			0.00	0.00				Surface
1653.81	32.81	1650.42	1621.01	1167.82			10.00	10.00				MinPts
1653.82	32.81	1650.43	1621.01	1167.82			26.50	26.50				WRP
1657.62	32.81	1647.58	1624.81	205.41			870.00	870.00				MinPts
1657.52	32.81	1646.50	1624.71	183.24			970.00	970.00				MinPts
1657.58	32.81	1645.88	1624.77	170.33			1040.00	1040.00				MinPts
1657.61	32.81	1645.42	1624.80	162.18			1090.00	1090.00				MinPt-EOU
1657.60	32.81	1645.34	1624.79	157.66			1120.00	1120.00				MinPts
978.99	124.88	895.19	854.10	11.89			7331.52	7255.81				MinPt-CtCt
979.11	125.20	895.10	853.91	11.86			7360.00	7283.90				MinPt-EOU
979.32	125.43	895.16	853.89	11.84			7380.00	7303.63				MinPt-ADP
1034.90	147.43	936.07	897.47	10.63			8980.00	8883.73				MinPt-ADP
1037.34	153.80	934.27	883.55	10.21			9490.00	9393.62				MinPt-CtCt
1034.18	162.23	925.49	871.95	9.64			10140.00	10043.62				MinPt-CtCt
1034.20	162.29	925.47	871.91	9.64			10150.00	10053.62				MinPts
1031.23	175.77	913.52	855.47	8.87			11290.00	11152.75				MinPt-CtCt
1031.27	175.89	913.47	855.38	8.86			11300.00	11159.93				MinPt-EOU
1031.35	176.01	913.47	855.34	8.86			11310.00	11166.99				MinPt-ADP
1034.64	177.09	916.04	857.54	8.83			11400.00	11224.66				MinPt-SF
1410.31	156.53	1305.46	1253.78	13.63			13120.00	11367.47				MinPt-CtCt
1404.45	167.61	1292.21	1236.84	12.67			13830.00	11377.53				MinPt-CtCt
1404.54	167.81	1292.16	1236.72	12.65			13850.00	11377.82				MinPt-EOU
1404.63	167.91	1292.19	1236.72	12.65			13860.00	11377.96				MinPt-ADP
1398.92	192.39	1270.16	1206.53	10.98			15130.00	11395.97				MinPt-CtCt
1399.68	194.44	1269.56	1205.25	10.87			15240.00	11397.53				MinPt-EOU
1400.64	195.57	1269.76	1205.07	10.81			15300.00	11398.38				MinPt-ADP
1402.74	199.57	1269.20	1203.17	10.61			15470.00	11400.79				MinPt-EOU
1403.15	200.07	1269.27	1203.08	10.59			15500.00	11401.22				MinPt-ADP
1363.27	256.07	1192.05	1107.19	8.02			17720.00	11432.70				MinPt-CtCt
1363.51	256.80	1191.80	1106.70	8.00			17760.00	11433.26				MinPt-EOU
1364.45	258.22	1191.80	1106.23	7.96			17820.00	11434.12				MinPt-EOU
1359.56	271.48	1178.08	1088.09	7.55			18280.00	11440.64				MinPt-CtCt
1361.24	275.75	1176.90	1085.48	7.44			18450.00	11443.05				MinPt-EOU
1361.93	276.61	1177.02	1085.32	7.42			18490.00	11443.62				MinPt-ADP
1362.22	288.38	1169.47	1073.85	7.11			18880.00	11449.15				MinPt-CtCt
1342.33	310.99	1134.50	1031.34	6.50			19690.00	11460.63				MinPt-CtCt
1338.22	327.87	1119.14	1010.35	6.14			20260.00	11468.72				MinPt-CtCt
1338.37	331.95	1116.57	1006.42	6.07			20400.00	11470.70				MinPt-CtCt
1339.03	333.99	1115.87	1005.04	6.03			20490.00	11471.98				MinPt-EOU
1328.33	355.09	1091.10	973.24	5.63			21190.00	11481.90				MinPt-CtCt
1328.57	355.84	1090.85	972.74	5.62			21230.00	11482.47				MinPt-EOU
1328.87	356.20	1090.90	972.67	5.61			21250.00	11482.76				MinPt-ADP
1333.04	365.04	1089.18	968.01	5.49			21549.34	11487.00				MinPts
30-025-42742 - QUESO STATE 7H - MWD to 13984ft - A (DefinitiveSurvey) - Pass												
1363.27	32.81	1359.88	1330.46	962.48			0.00	0.00				Surface
1363.17	32.81	1359.77	1330.36	962.34			26.50	26.50				WRP
1363.12	32.81	1359.47	1330.32	810.62			160.00	160.00				MinPts
1364.24	32.81	1351.92	1331.43	131.76			1090.00	1090.00				MinPt-EOU
1363.84	32.81	1350.07	1331.03	113.46			1260.00	1260.00				MinPts
1079.48	104.38	1009.35	975.10	15.73			6551.31	6486.32				MinPt-CtCt
1080.25	108.19	1007.58	972.06	15.18			6780.00	6711.86				MinPt-EOU
1083.89	112.37	1008.44	971.52	14.66			7030.00	6958.43				MinPt-ADP
1165.99	146.25	1067.96	1019.75	12.08			9170.00	9073.62				MinPt-SF
1215.39	148.36	1115.94	1067.03	12.41			9560.00	9463.62				MinPt-SF
2195.83	126.24	2111.16	2069.58	26.39			12630.00	11360.52				MinPt-CtCt
2196.09	126.96	2110.95	2069.13	26.24			12680.00	11361.23				MinPt-EOU
2196.34	127.24	2111.01	2069.10	26.18			12700.00	11361.51				MinPt-ADP
2228.83	140.61	2134.59	2088.22	24.02			13370.00	11371.01				MinPt-ADP
2232.20	166.97	2120.38	2065.22	20.22			14360.00	11385.05				MinPt-CtCt
2231.44	174.93	2114.31	2056.50	19.29			14640.00	11389.02				MinPt-CtCt
2231.45	178.38	2112.03	2053.06	18.91			14760.00	11390.72				MinPt-CtCt
2232.79	182.89	2110.36	2049.90	18.45			14930.00	11393.13				MinPt-EOU
2236.43	192.51	2107.59	2043.92	17.55			15230.00	11397.39				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	
	2237.47	195.69	2106.51	2041.77	17.27		15350.00	11399.09				MinPt-EOU
	2237.13	201.48	2102.31	2035.65	16.77		15510.00	11401.36				MinPt-CiCt
	2237.07	204.99	2099.91	2032.08	16.48		15620.00	11402.92				MinPt-CiCt
	2241.07	217.47	2095.59	2023.60	15.55		16040.00	11408.87				MinPts
	2257.78	220.92	2110.01	2036.87	15.42		16280.00	11412.28				MinPt-SF
	5981.60	199.24	5848.27	5782.36	45.36		21549.34	11487.00				TD
30-025-41150 - Triste Draw 25 Federal 3H Pilot - MWD to 10322.56ft (DefinitiveSurvey) - Pass												
	4412.92	32.81	4409.52	4380.11	3118.47		0.00	0.00				MinPts
	4412.99	32.81	4409.60	4380.19	3116.92		26.50	26.50				WRP
	4422.38	32.81	4413.77	4389.57	666.17		730.00	730.00				MinPt-EOU
	4424.44	32.81	4412.13	4391.64	428.06		1090.00	1090.00				MinPt-EOU
	4424.20	32.81	4409.44	4391.39	340.34		1360.00	1360.00				MinPts
	4424.42	32.81	4408.00	4391.61	301.71		1530.00	1530.00				MinPt-EOU
	5527.17	150.04	5426.60	5377.13	55.84		10090.00	9993.62				MinPt-CiCt
	5527.80	151.62	5425.18	5376.17	55.26		10230.00	10133.62				MinPt-EOU
	5529.31	154.53	5425.76	5374.79	54.22		10430.00	10333.62				MinPts
	5543.91	156.40	5439.11	5387.52	53.71		10800.00	10703.62				MinPt-SF
	1121.48	157.48	1016.00	964.00	10.77		16695.92	11418.17				MinPt-CiCt
	1121.74	158.27	1015.73	963.47	10.72		16720.00	11418.52				MinPt-EOU
	1122.00	158.60	1015.77	963.40	10.70		16730.00	11418.66				MinPt-ADP
	1147.74	165.27	1037.06	982.47	10.50		16940.00	11421.64				MinPt-SF
	4981.31	179.71	4861.00	4801.59	41.91		21549.34	11487.00				TD
30-025-41149 - Triste Draw 25 Federal 2H - MWD to 15300ft (DefinitiveSurvey) - Pass												
	4479.35	32.81	4475.95	4446.54	3165.23		0.00	0.00				MinPts
	4479.44	32.81	4476.05	4446.63	3160.03		26.50	26.50				WRP
	4483.52	32.81	4477.44	4450.71	1092.96		450.00	450.00				MinPt-EOU
	4488.66	32.81	4476.63	4455.85	446.47		1060.00	1060.00				MinPt-EOU
	4490.43	32.81	4475.92	4457.62	382.12		1230.00	1230.00				MinPt-EOU
	5763.15	156.81	5658.07	5606.34	55.69		10550.00	10453.62				MinPt-CiCt
	5763.19	156.94	5658.03	5606.26	55.64		10570.00	10473.62				MinPt-EOU
	5763.30	157.07	5658.05	5606.24	55.60		10590.00	10493.62				MinPt-ADP
	5770.58	158.43	5664.42	5612.15	55.18		10850.00	10753.62				MinPt-SF
	1446.56	214.21	1303.26	1232.35	10.19		17200.00	11425.32				MinPt-CiCt
	1446.88	215.02	1303.04	1231.86	10.15		17240.00	11425.89				MinPt-EOU
	1447.24	215.42	1303.13	1231.82	10.14		17260.00	11426.17				MinPt-ADP
	1424.22	251.57	1256.00	1172.65	8.53		18610.00	11445.32				MinPt-CiCt
	1321.67	321.97	1106.52	999.70	6.18		20565.59	11473.05				MinPt-CiCt
	1323.16	327.50	1104.32	995.65	6.08		20720.00	11475.24				MinPt-EOU
	1325.47	330.33	1104.75	995.14	6.04		20800.00	11476.37				MinPt-ADP
	1351.94	354.08	1115.39	997.86	5.75		21380.00	11484.60				MinPt-SF
	1370.39	353.67	1134.11	1016.72	5.83		21549.34	11487.00				TD
30-025-40665 - Triste Draw 36 State 2H - MWD to 13691ft (DefinitiveSurvey) - Pass												
	4001.55	32.81	3998.16	3968.75	2827.59		0.00	0.00				Surface
	4001.54	32.81	3998.14	3968.73	2819.54		26.50	26.50				WRP
	4001.38	32.81	3997.40	3968.57	2007.26		200.00	200.00				MinPts
	3999.78	32.81	3987.34	3966.97	382.39		1090.00	1090.00				MinPt-EOU
	3998.49	32.81	3982.11	3965.68	273.35		1510.00	1510.00				MinPts
	3998.62	32.81	3981.95	3965.81	268.04		1540.00	1540.00				MinPt-EOU
	1340.27	212.84	1197.84	1127.43	9.51		9924.00	9827.62				MinPts
	1340.28	212.86	1197.84	1127.42	9.51		9930.00	9833.62				MinPt-ADP
	1340.37	212.89	1197.90	1127.48	9.50		9940.00	9843.62				MinPt-SF
	1793.19	177.05	1674.61	1616.13	15.32		12110.00	11353.14				MinPt-CiCt
	1793.19	177.08	1674.60	1616.11	15.32		12120.00	11353.28				MinPts
	1793.76	177.19	1675.10	1616.57	15.31		12160.00	11353.85				MinPt-SF
	1855.55	143.69	1759.26	1711.86	19.56		14330.00	11384.62				MinPt-SF
	1791.01	152.36	1688.94	1638.65	17.79		15700.00	11404.05				MinPt-CiCt
	1791.25	152.96	1688.77	1638.28	17.72		15730.00	11404.48				MinPt-EOU
	1791.41	153.17	1688.80	1638.24	17.70		15740.00	11404.62				MinPt-ADP
	1843.90	162.09	1735.34	1681.81	17.21		16180.00	11410.86				MinPt-SF
	5809.84	186.21	5685.20	5623.63	47.17		21549.34	11487.00				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 548646

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 548646
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
-------------------------------------	----------------------------------------------------------------------------------------------------------------------------

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

COMMENTS

Action 548646

COMMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 548646
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

COMMENTS

Created By	Comment	Comment Date
matthew.gomez	Invalid defining well reported on form C-102.	2/12/2026
matthew.gomez	Change of Plans included within submission.	2/13/2026

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 548646

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 548646
	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 USIT log may also be required. If strata isolation is not achieved, remediation will be required before further operations may commence.	2/12/2026
matthew.gomez	All conducted logs must be submitted to the OCD.	2/12/2026
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.	2/12/2026
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	2/13/2026
matthew.gomez	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	2/13/2026
matthew.gomez	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	2/13/2026
matthew.gomez	File As Drilled C-102 and a directional Survey with C-104 completion packet.	2/13/2026