Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No. **30-025-53120**

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 06/14/2024

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	[3] Pool Name
30-025-53120	96603	Triste Draw; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
336010	TRISTE DRAW 36-25 FEDERAL COM	351H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3657.0'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	23S	32E		1207	SOUTH	2385	WEST	LEA

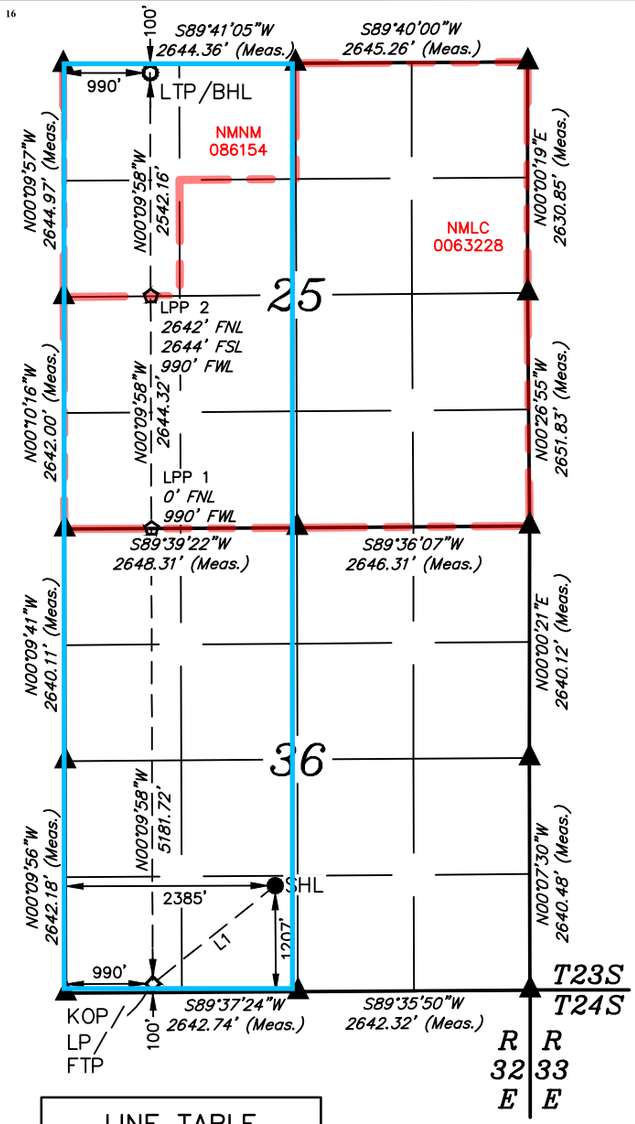
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	23S	32E		100	NORTH	990	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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.

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S51°16'03"W	1784.21'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.14" (32.257261°)
LONGITUDE = -103°37'44.95" (-103.629154°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'25.70" (32.257138°)
LONGITUDE = -103°37'43.22" (-103.628672°)
STATE PLANE NAD 83 (N.M. EAST)
N: 458038.85' E: 759015.50'
STATE PLANE NAD 27 (N.M. EAST)
N: 457979.71' E: 717831.77'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'15.13" (32.254202°)
LONGITUDE = -103°38'01.19" (-103.633663°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'14.68" (32.254079°)
LONGITUDE = -103°37'59.46" (-103.633182°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456916.87' E: 757628.61'
STATE PLANE NAD 27 (N.M. EAST)
N: 456857.75' E: 716444.86'

NAD 83 (LPP 1)
LATITUDE = 32°16'06.39" (32.268443°)
LONGITUDE = -103°38'01.22" (-103.633673°)
NAD 27 (LPP 1)
LATITUDE = 32°16'05.95" (32.268319°)
LONGITUDE = -103°37'59.49" (-103.633191°)
STATE PLANE NAD 83 (N.M. EAST)
N: 462097.55' E: 757591.89'
STATE PLANE NAD 27 (N.M. EAST)
N: 462038.29' E: 716408.27'

NAD 83 (LPP 2)
LATITUDE = 32°16'32.56" (32.275710°)
LONGITUDE = -103°38'01.24" (-103.633678°)
NAD 27 (LPP 2)
LATITUDE = 32°16'32.11" (32.275587°)
LONGITUDE = -103°37'59.50" (-103.633196°)
STATE PLANE NAD 83 (N.M. EAST)
N: 464741.33' E: 757573.14'
STATE PLANE NAD 27 (N.M. EAST)
N: 464682.00' E: 716389.59'

NAD 83 (LTP/BHL)
LATITUDE = 32°16'57.71" (32.282697°)
LONGITUDE = -103°38'01.26" (-103.633683°)
NAD 27 (LTP/BHL)
LATITUDE = 32°16'57.26" (32.282573°)
LONGITUDE = -103°37'59.52" (-103.633200°)
STATE PLANE NAD 83 (N.M. EAST)
N: 467282.98' E: 757555.11'
STATE PLANE NAD 27 (N.M. EAST)
N: 467223.57' E: 716371.63'

[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 10/23/23
Signature Date

Shelly Bowen
Printed Name

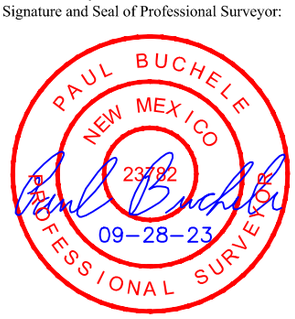
shelly.bowen@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

September 15, 2023
Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

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

2000' 1000' 0' 2000'
SCALE
DRAWN BY: D.J.S. 09-28-23

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 Com 351H		N, Sec 36 T23S, R32E	1207 FSL/2385 FWL	2269	5485	5915

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 Com 351H		7/15/2025	8/6/2025	10/27/2025	12/11/2025	12/11/2025

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

Signature:	Sarah Jordan
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.

1. Geological Formations

TVD of target 12,150
MD at TD 22,488

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	10592	Hydrocarbons	
3rd Bone Spring Carbonate	11115	N/A	
3rd Bone Spring Sand	11942	N/A	
3rd Bone Spring Sand - Target	12150	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	5165	5067	9-5/8"	40.00	HCK-55	LT&C	1.45	1.50	2.77
8 3/4	0	11787	11787	7"	[redacted]		[redacted]	[redacted]	[redacted]	[redacted]
8 3/4	11787	12537	12106	7"	29.00	P-110	BT&C	1.51	1.98	100.42
6	11287	22488	12150	4-1/2"	11.60	P-110	BT&C	1.26	1.78	36.66
						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

	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	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	976	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	419	10.30	3.64	22.18		Lead: Tuned Light + LCM
	125	14.80	1.36	6.57	9.5	Tail: Class C + Retarder
Completion System	746	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4965	25
Completion System	12237	10

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	5M	Annular	5M	100% of working pressure
			Blind Ram		5M
			Pipe Ram	X	
			Double Ram	X	
			Other		
8 3/4	13 5/8	5M	Annular	5M	100% of working pressure
			Blind Ram		5M
			Pipe Ram	X	
			Double Ram	X	
			Other		
6	13 5/8	5M	Annular	5M	100% of working pressure
			Blind Ram		5M
			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 5165'	Brine Water	9.50 - 10.00	30-32	N/C
5165' to 12537'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C
12873' to 22488'	OBM	9.00 - 9.50	50-70	N/C

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

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

6. Logging and Testing Procedures

Logging, Coring and Testing	
	Will run GR/CNL fromTD 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	6002 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 5K psi.

BOPE Additional Information & Testing

1. After running the first string of casing, a 5M 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 (5K for all BOPE, including the annular). For the low test, the system will be tested to 250 psi.

2. All BOP equipment will be tested utilizing a conventional test plug.

3. A remote kill line is included in the BOPE system

4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.

5. If well conditions dictate, conventional slips will be set and BOPE will be tested to appropriate pressures based on permitted pressure requirements.

Additional Well Control Notes

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

Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23 Proposal
Geodetic Report
Def Plan

Report Date:	October 23, 2023 - 08:02 PM (UTC 0)	**Survey / DLS Computation:**	Minimum Curvature / Lubinski
Client:	COTERRA	**Vertical Section Azimuth:**	359.590 °(GRID North)
Field:	NM Lea County (NAD 83)	**Vertical Section Origin:**	0.000 ft, 0.000 ft
Structure / Slot:	Coterra Triste Draw 36-25 Fed Com E2W2 Pad / 351H	**TVD Reference Datum:**	RKB
Well:	Triste Draw 36-25 Federal Com 351H	**TVD Reference Elevation:**	3680.000 ft above MSL
Borehole:	Triste Draw 36-25 Federal Com 351H	**Seabed / Ground Elevation:**	3657.000 ft above MSL
UBHI / API#:	Unknown / Unknown	**Magnetic Declination:**	6.242°
Survey Name:	Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23	**Total Gravity Field Strength:**	998.4376mgn (9.80665 Based)
Survey Date:	October 23, 2023	**Gravity Model:**	GARM
Tort / AHD / DDI / ERD Ratio:	121.826 ° / 12217.520 ft / 6.440 / 1.006	**Total Magnetic Field Strength:**	47454.909 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	**Magnetic Dip Angle:**	59.802°
Location Lat / Long:	32°15'26.14078"N , 103°37'44.95291"W	**Declination Date:**	September 29, 2023
Location Grid N/E Y/X:	N 458038.850 ftUS , E 759015.500 ftUS	**Magnetic Declination Model:**	HDGM 2023
CRS Grid Convergence Angle:	0.376°	**North Reference:**	Grid North
Grid Scale Factor:	0.99996336	**Grid Convergence Used:**	0.376°
Version / Patch:	2023.1.0.1	**Total Corr Mag North->Grid North:**	5.867°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)
SHL [1207' FSL, 2385' FWL]	0.00	0.00	232.53	0.00	-3,680.00	0.00	0.00	0.00		458,038.85	759,015.50	32.25726133	-103.62915359
Nudge, Build 2°/100ft	1,800.00	0.00	232.53	1,800.00	-1,880.00	0.00	0.00	0.00	0.00	458,038.85	759,015.50	32.25726133	-103.62915359
Hold	2,550.24	15.00	232.53	2,541.70	-1,138.30	-58.86	-59.42	-77.53	2.00	457,979.43	758,937.98	32.25709941	-103.62940562
Drop 2°/100ft	8,924.96	15.00	232.53	8,699.06	5,019.06	-1,053.43	-1,063.38	-1,387.47	0.00	456,975.51	757,628.08	32.25436347	-103.63366396
Hold	9,675.21	0.00	232.53	9,440.76	5,760.76	-1,112.29	-1,122.80	-1,465.00	2.00	456,916.09	757,550.56	32.25420155	-103.63391598
KOP, Build 10°/100ft	11,787.21	0.00	232.53	11,552.76	7,872.76	-1,112.29	-1,122.80	-1,465.00	0.00	456,916.09	757,550.56	32.25420155	-103.63391598
Build/Turn 5°/100ft	12,537.21	75.00	7.25	12,106.19	8,426.19	-691.41	-701.53	-1,411.41	10.00	457,337.35	757,604.15	32.25535848	-103.63373375
Landing Point	12,873.26	90.00	359.59	12,150.00	8,470.00	-360.16	-370.13	-1,391.99	5.00	457,668.74	757,623.57	32.25626902	-103.63366395
Triste Draw 36-25 Federal Com 351H LPP1	17,302.36	90.00	359.59	12,150.00	8,470.00	4,068.94	4,058.86	-1,423.67	0.00	462,097.55	757,591.89	32.26844300	-103.63367303
Triste Draw 36-25 Federal Com 351H LPP2	19,946.30	90.00	359.60	12,150.00	8,470.00	6,712.89	6,702.74	-1,442.42	0.00	464,741.33	757,573.14	32.27571024	-103.63367792
Triste Draw 36-25 Federal Com 351H BHL [100' FNL, 990' FWL]	22,488.12	90.00	359.59	12,150.00	8,470.00	9,254.70	9,244.49	-1,460.45	0.00	467,282.98	757,555.11	32.28269674	-103.63368262

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	10,362.800	1/100.000	'.5 – 12.25 – 8.75	3.375 – 9.625 – 7		A001Mb_MWD		Triste Draw 36-25 Federal Com 351H / Coterra Tris
	1	10,362.800	19,511.779	1/100.000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 351H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,189.000	17.500	13.375	
4,861.346	12.250	9.625	
12,201.000	8.750	7.000	
22,488.116	6.000	4.500	

COTERRA

Rev0

COTERRA

Borehole:	Well:	Field:	Structure:
Triste Draw 36-25 Federal Com 351H	Triste Draw 36-25 Federal Com 351H	NM Lea County (NAD 83)	Coterra Triste Draw 36-25 Fed Com E2W2 Pad

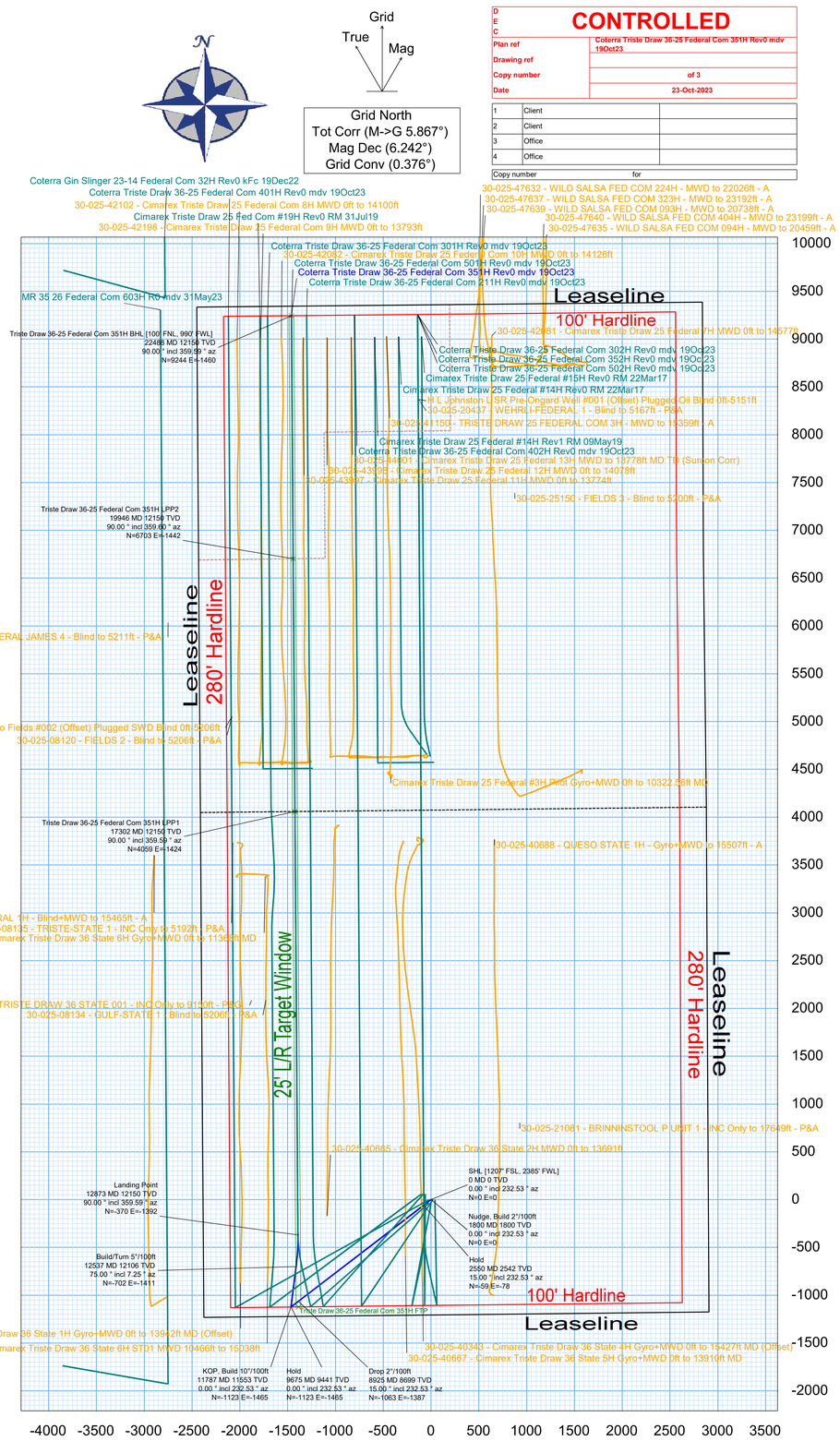
Gravity & Magnetic Parameters					
Model:	HDGM 2023	Dip:	59.802°	Date:	29-Sep-2023
MagDec:	6.242°	FS:	47454.909nT	Gravity FS:	998.438mgn (9.80665 Based)

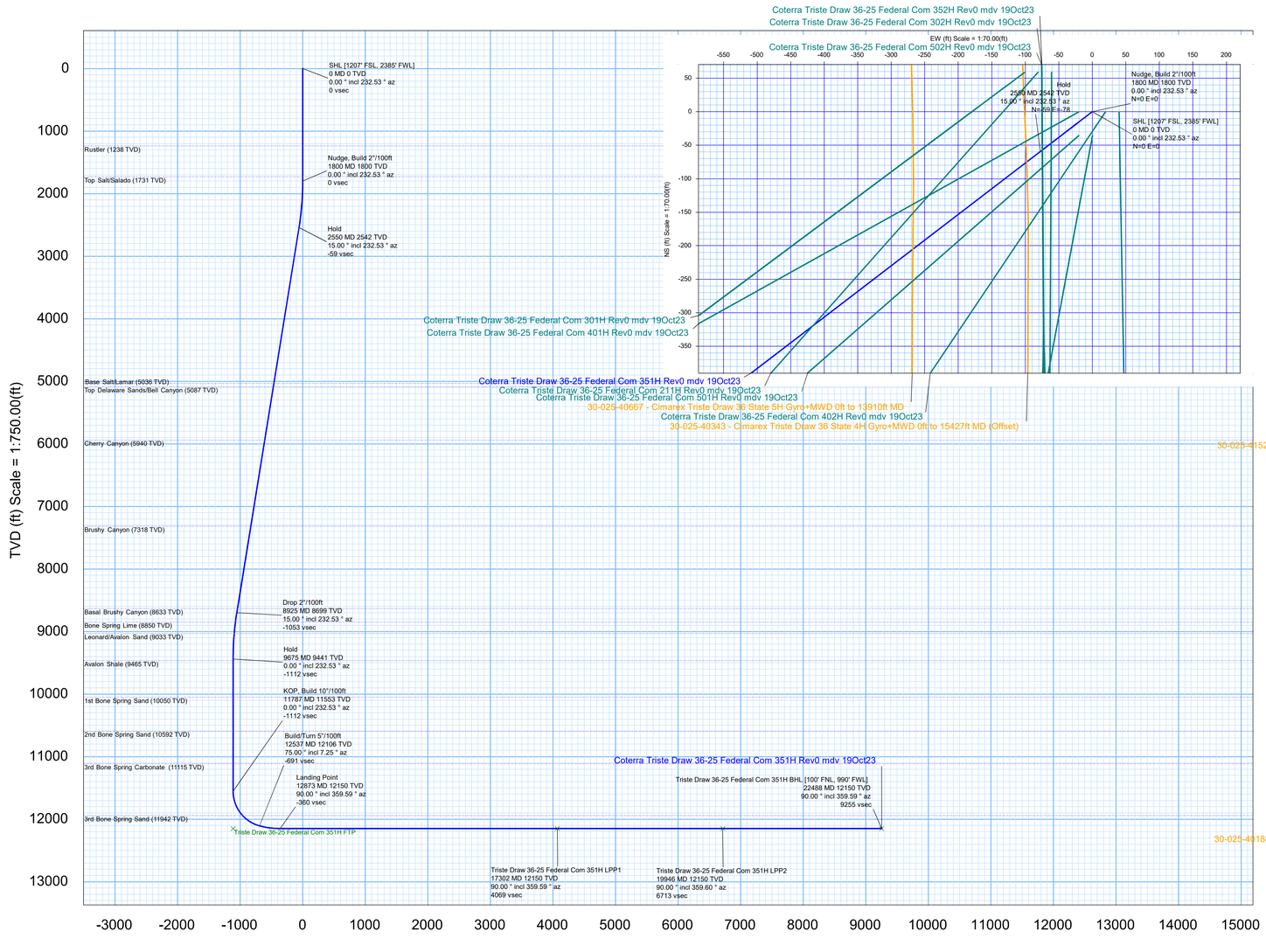
Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet				
Lat:	N 32 15 26.14	Northing:	458038.85ftUS	Grid Conv:	0.3758°
Lon:	W 103 37 44.95	Easting:	759015.5ftUS	Scale Fact:	0.99996336

Miscellaneous			
Slot:	351H	TVD Ref:	RKB (3680.000 ft above MSL)
Plan:	Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23		

Critical Points

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [1207' FSL, 2385' FWL]	0.00	0.00	232.53	0.00	0.00	0.00	0.00	
Rustler	1238.00	0.00	232.53	1238.00	0.00	0.00	0.00	0.00
Top Salt/Salado	1731.00	0.00	232.53	1731.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1800.00	0.00	232.53	1800.00	0.00	0.00	0.00	0.00
Hold	2550.24	15.00	232.53	2541.70	-58.86	-59.42	-77.53	2.00
Base Salt/Lamar	5132.59	15.00	232.53	5036.00	-461.75	-466.12	-608.18	0.00
Top Delaware Sands/Bell Canyon	5185.40	15.00	232.53	5087.00	-469.99	-474.43	-619.03	0.00
Cherry Canyon	6068.51	15.00	232.53	5940.00	-607.77	-613.51	-800.50	0.00
Brushy Canyon	7495.15	15.00	232.53	7318.00	-830.35	-838.20	-1093.66	0.00
Basal Brushy Canyon	8856.57	15.00	232.53	8633.00	-1042.76	-1052.61	-1373.42	0.00
Drop 2°/100ft	8924.96	15.00	232.53	8699.06	-1053.43	-1063.38	-1387.47	0.00
Bone Spring Lime	9080.18	11.90	232.53	8850.00	-1075.18	-1085.34	-1416.13	2.00
Leonard/Avalon Sand	9266.06	8.18	232.53	9033.00	-1094.71	-1105.06	-1441.85	2.00
Hold	9675.21	0.00	232.53	9440.76	-1112.29	-1122.80	-1465.00	2.00
Avalon Shale	9699.45	0.00	232.53	9465.00	-1112.29	-1122.80	-1465.00	0.00
1st Bone Spring Sand	10284.45	0.00	232.53	10050.00	-1112.29	-1122.80	-1465.00	0.00
2nd Bone Spring Sand	10826.45	0.00	232.53	10592.00	-1112.29	-1122.80	-1465.00	0.00
3rd Bone Spring Carbonate	11349.45	0.00	232.53	11115.00	-1112.29	-1122.80	-1465.00	0.00
KOP, Build 10°/100ft	11787.21	0.00	232.53	11552.76	-1112.29	-1122.80	-1465.00	0.00
3rd Bone Spring Sand	12215.14	42.79	7.25	11942.00	-961.13	-971.51	-1445.75	10.00
Build/Turn 5°/100ft	12537.21	75.00	7.25	12106.19	-691.41	-701.53	-1411.41	10.00
Landing Point	12873.26	90.00	359.59	12150.00	-360.16	-370.13	-1391.99	5.00
Triste Draw 36-25 Federal Com 351H LPP1	17302.36	90.00	359.59	12150.00	4068.94	4058.86	-1423.67	0.00
Triste Draw 36-25 Federal Com 351H LPP2	19946.30	90.00	359.60	12150.00	6712.89	6702.74	-1442.42	0.00
Triste Draw 36-25 Federal Com 351H BHL [100' FNL, 990' FWL]	22488.12	90.00	359.59	12150.00	9254.70	9244.49	-1460.45	0.00





Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23 Anti-Collision Summary Report

Analysis Date-24hr Time:	October 23, 2023 - 08:01 PM (UTC 0)	**Analysis Method:**	3D Least Distance
Client:	COTERRA	**Reference Trajectory:**	Coterra Triste Draw 36-25 Federal Com 351H Rev0 mdv 19Oct23 (Def Plan)
Field:	NM Lea County (NAD 83)	**Depth Interval:**	Every 10.00 Measured Depth (ft)
Structure:	Coterra Triste Draw 36-25 Fed Com E2W2 Pad	**Rule Set:**	NAL Procedure: D&M AntiCollision Standard S002
Slot:	351H	**Min Pts:**	Absolute minima indicated.
Well:	Triste Draw 36-25 Federal Com 351H	**Engine Version:**	2023.1.0.1
Borehole:	Triste Draw 36-25 Federal Com 351H	**Database \ Project:**	Triste Draw 36-25 Federal Com 351H--COTERRA
Scan MD Range:	0.00ft ~ 22488.12ft		

Trajectory Error Model: ISCWSA0 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

46 out of 47 are selected

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	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.

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

2943.15	32.81	2941.18	2910.35	N/A	MAS = 10.00 (m)	0.00	0.00				Surface
2943.14	32.81	**2941.16**	**2910.34**	#########	MAS = 10.00 (m)	10.00	10.00				MinPts
2943.14	32.81	2941.16	2910.34	#########	MAS = 10.00 (m)	23.00	23.00				WRP
2943.65	888.38	2350.74	2055.27	4.98	OSF1.50	550.00	550.00	OSF<5.00			Enter Alert
2947.30	2963.13	971.30	-15.83	1.49	OSF1.50	1560.00	1560.00		OSF<1.50		Enter Minor
2918.14	4377.39	-0.71	-1459.26	1.00	OSF1.50	2250.00	2248.15			OSF<1.00	Enter Major
1430.27	19061.78	-11278.12	-17631.51	0.11	OSF1.50	9572.63	9338.20				MinPt-CtCt
1462.03	21284.97	**-12728.49**	**-19822.94**	**0.10**	OSF1.50	10690.00	10455.55				MinPts
1465.24	21285.69	-12725.75	**-19820.44**	0.10	OSF1.50	10800.00	10565.55				MinPt-ADP
1924.00	17497.93	-9741.79	-15573.93	**0.16**	OSF1.50	12900.00	12150.00				MinPt-SF
1926.26	17506.95	**-9745.54**	-15580.70	0.16	OSF1.50	13000.00	12150.00				MinPt-EOU
1926.56	17507.33	-9745.49	**-15580.77**	0.16	OSF1.50	13010.00	12150.00				MinPt-ADP
1926.25	17388.62	-9666.66	-15462.37	**0.17**	OSF1.50	13470.00	12150.00				MinPt-SF
1923.70	17372.08	**-9658.19**	**-15448.38**	0.17	OSF1.50	13590.00	12150.00				MinPts
1922.56	17367.64	-9656.37	-15445.08	**0.17**	OSF1.50	13660.00	12150.00				MinPt-SF
1922.17	17358.02	-9650.34	-15435.85	0.17	OSF1.50	13730.00	12150.00				MinPt-CtCt
1921.05	17335.23	-9636.27	-15414.18	0.17	OSF1.50	14100.00	12150.00				MinPt-CtCt
1921.49	17342.94	-9640.96	-15421.44	**0.17**	OSF1.50	14210.00	12150.00				MinPt-SF
1921.62	17343.87	**-9641.46**	**-15422.25**	0.17	OSF1.50	14240.00	12150.00				MinPts
1921.45	17342.00	-9640.38	-15420.55	**0.17**	OSF1.50	14280.00	12150.00				MinPt-SF
1914.69	17274.53	-9602.16	**-15359.84**	0.17	OSF1.50	14570.00	12150.00				MinPt-ADP
1914.22	17273.89	**-9602.21**	-15359.67	0.17	OSF1.50	14580.00	12150.00				MinPt-EOU
1902.05	17231.31	-9585.99	-15329.26	**0.17**	OSF1.50	15010.00	12150.00				MinPt-SF
1897.67	17220.59	-9583.23	**-15322.92**	0.17	OSF1.50	15160.00	12150.00				MinPt-ADP
1897.30	17220.08	**-9583.25**	-15322.77	0.17	OSF1.50	15170.00	12150.00				MinPt-EOU
1894.47	17212.89	-9581.29	-15318.42	**0.16**	OSF1.50	15310.00	12150.00				MinPt-SF
1890.60	17203.06	-9578.61	**-15312.46**	0.16	OSF1.50	15460.00	12150.00				MinPt-ADP
1890.24	17202.64	**-9578.68**	-15312.40	0.16	OSF1.50	15470.00	12150.00				MinPt-EOU
1876.98	17201.30	-9591.05	-15324.32	0.16	OSF1.50	16010.00	12150.00				MinPt-CtCt
1877.39	17208.11	-9595.18	-15330.71	**0.16**	OSF1.50	16080.00	12150.00				MinPt-SF
1878.23	17218.78	-9601.45	-15340.54	0.16	OSF1.50	16190.00	12150.00				MinPt-CtCt
1878.52	17233.35	-9610.87	-15354.82	**0.16**	OSF1.50	16350.00	12150.00				MinPt-SF
1878.64	17234.06	**-9611.24**	**-15355.42**	0.16	OSF1.50	16370.00	12150.00				MinPts
1864.91	17141.51	-9563.26	-15276.60	**0.16**	OSF1.50	16670.00	12150.00				MinPt-SF
1859.59	17087.22	-9532.39	-15227.63	0.16	OSF1.50	16860.00	12150.00				MinPt-CtCt
1859.89	17090.88	-9534.53	-15230.99	**0.16**	OSF1.50	16890.00	12150.00				MinPt-SF
2675.57	19435.06	**-10281.64**	-16759.49	0.21	OSF1.50	18780.00	12150.00				MinPt-EOU
3031.16	19871.75	-10217.18	**-16840.59**	0.23	OSF1.50	19250.00	12150.00				MinPt-ADP
5930.92	20951.42	-8037.19	-15020.49	0.42	OSF1.50	22488.12	12150.00				TD

30-025-08134 - GULF-STATE 1 - Blind to 5206ft - P&A (DefinitiveSurvey) — Fail Major

2708.85	32.81	2706.87	2676.04	N/A	MAS = 10.00 (m)	0.00	0.00				Surface
2708.77	32.81	2706.78	2675.96	**218500.59**	MAS = 10.00 (m)	10.00	10.00				MinPt-SF
2708.72	32.81	2706.73	2675.91	403736.06	MAS = 10.00 (m)	23.00	23.00				WRP
2708.71	819.31	2161.85	1889.40	4.97	OSF1.50	470.00	470.00	OSF<5.00			Enter Alert
2708.71	2728.62	889.05	-19.90	1.49	OSF1.50	1390.00	1390.00		OSF<1.50		Enter Minor
2708.36	4077.15	-10.33	-1368.80	1.00	OSF1.50	2040.00	2039.72			OSF<1.00	Enter Major
2706.80	5150.84	-727.68	-2444.04	0.79	OSF1.50	2566.11	2557.02				MinPt-CtCt
2800.45	10704.94	**-4336.71**	**-7904.48**	**0.39**	OSF1.50	5340.00	5236.33				MinPts
4756.19	7153.27	-13.20	-2397.08	1.00	OSF1.50	9000.00	8771.79			OSF>1.00	Exit Major
5865.43	5878.00	1946.23	-12.57	1.50	OSF1.50	10370.00	10135.55		OSF>1.50		Exit Minor
7057.01	2124.99	5639.86	4932.03	4.98	OSF1.50	13970.00	12150.00	OSF>5.00			Exit Alert
6924.30	505.14	6587.03	6419.15	20.62	OSF1.50	15330.00	12150.00				MinPt-CtCt
7056.17	2121.18	5641.55	4934.99	4.99	OSF1.50	16690.00	12150.00	OSF<5.00			Enter Alert
8424.07	6113.74	**4347.74**	2310.33	2.07	OSF1.50	20130.00	12150.00				MinPt-EOU
9193.58	7055.07	4489.70	**2138.51**	1.95	OSF1.50	21380.00	12150.00				MinPt-ADP
9780.79	7571.74	4732.46	2209.05	**1.94**	OSF1.50	22240.00	12150.00				MinPt-SF
9957.57	7703.81	4821.20	2253.76	1.94	OSF1.50	22488.12	12150.00				TD

30-025-08120 - FIELDS 2 - Blind to 5206ft - P&A (DefinitiveSurvey) — Fail Major

5464.79	32.81	5455.20	5431.98	717.82	MAS = 10.00 (m)	0.00	0.00				Surface
5464.79	37.26	5439.28	5427.52	232.23	OSF1.50	23.00	23.00				WRP
5464.79	1656.36	4359.88	3808.42	4.95	OSF1.50	880.00	880.00	OSF<5.00			Enter Alert
5464.79	3565.67	3087.09	1899.12	2.30	OSF1.50	1800.00	1800.00				MinPt-CtCt
5505.54	5505.58	1834.56	-0.05	1.50	OSF1.50	2750.00	2734.64		OSF<1.50		Enter Minor
5625.97	8452.67	-9.73	-2826.70	1.00	OSF1.50	4220.00	4154.52			OSF<1.00	Enter Major
5727.96	10593.45	**-1334.88**	**-4865.49**	**0.81**	OSF1.50	5290.00	5188.04				MinPts
6520.48	9781.78	-1.25	-3261.30	1.00	OSF1.50	7880.00	7689.73			OSF>1.00	Exit Major
8102.96	8114.80	2692.56	-11.84	1.50	OSF1.50	10630.00	10395.55		OSF>1.50		Exit Minor
8455.34	6009.29	**4448.65**	2446.06	2.11	OSF1.50	13550.00	12150.00				MinPt-EOU
7110.68	2146.10	5679.45	4964.58	4.97	OSF1.50	17020.00	12150.00	OSF>5.00			Exit Alert
6994.34	1000.67	6326.73	5993.67	10.50	OSF1.50	18300.00	12150.00				MinPt-CtCt
7108.53	2135.15	5684.60	4973.38	5.00	OSF1.50	19570.00	12150.00	OSF<5.00			Enter Alert
8151.87	5512.26	**4476.53**	**2639.61**	**2.22**	OSF1.50	22488.12	12150.00				MinPts

30-025-08122 - FEDERAL JAMES 4 - Blind to 5211ft - P&A (DefinitiveSurvey) — Fail Major

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	6633.79	32.81	6620.05	6600.99	563.86	MAS = 10.00 (m)	0.00	0.00				Surface	
	6633.79	43.49	6604.14	6590.30	239.64	OSF1.50	23.00	23.00				WRP	
	6633.79	2010.69	5292.68	4623.11	4.95	OSF1.50	1000.00	1000.00	OSF<5.00			Enter Alert	
	6633.79	3670.92	4185.93	2962.87	2.71	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	6705.32	6713.49	2229.08	-8.17	1.50	OSF1.50	3300.00	3265.89		OSF<1.50		Enter Minor	
	6841.30	10261.88	-0.49	-3420.58	1.00	OSF1.50	5070.00	4975.54			OSF<1.00	Enter Major	
	6861.02	10715.32	-283.06	-3854.29	0.96	OSF1.50	5300.00	5197.70				MinPts	
	7052.54	10583.15	-3.44	-3530.62	1.00	OSF1.50	6440.00	6298.83			OSF>1.00	Exit Major	
	8827.59	8830.33	2940.17	-2.73	1.50	OSF1.50	10430.00	10195.55		OSF>1.50		Exit Minor	
	9234.15	7048.45	4534.68	2185.70	1.97	OSF1.50	13360.00	12150.00				MinPt-ADP	
	8463.76	6105.89	4392.67	2357.87	2.08	OSF1.50	14650.00	12150.00				MinPt-EOU	
	7097.12	2134.48	5673.63	4962.63	4.99	OSF1.50	18780.00	12150.00	OSF>5.00			Exit Alert	
	7078.80	1997.14	5746.88	5081.67	5.32	OSF1.50	19290.00	12150.00				MinPt-CtCt	
	7096.48	2131.79	5674.78	4964.69	5.00	OSF1.50	19790.00	12150.00	OSF<5.00			Enter Alert	
	7767.91	4776.41	4583.14	2991.50	2.44	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 402H Rev0 mdv 19Oct23 (DefinitivePlan)													Fail Minor
	19.99	16.25	18.71	3.74	N/A	MAS = 4.95 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	19.99	16.25	18.71	3.74	N/A	MAS = 4.95 (m)	23.00	23.00				WRP	
	19.99	16.75	8.40	3.25	1.81	OSF1.50	1090.00	1090.00				MinPts	
	19.99	20.05	6.30	-0.06	1.50	OSF1.50	1330.00	1330.00		OSF<1.50		Enter Minor	
	19.99	27.12	1.59	-7.13	1.09	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	20.49	28.69	1.04	-8.20	1.06	OSF1.50	1910.00	1909.97				MinPt-EOU	
	20.59	28.83	1.04	-8.24	1.06	OSF1.50	1920.00	1919.96				MinPt-SF	
	21.06	29.38	1.15	-8.31	1.06	OSF1.50	1960.00	1959.92				MinPt-ADP	
	34.53	34.95	10.90	-0.42	1.48	OSF1.50	2350.00	2346.63		OSF>1.50		Exit Minor	
	197.89	60.21	157.43	137.69	4.99	OSF1.50	3900.00	3845.43	OSF>5.00			Exit Alert	
	730.84	180.39	610.25	550.45	6.10	OSF1.50	12170.00	11907.71				MinPt-CtCt	
	731.39	182.08	609.67	549.30	6.05	OSF1.50	12250.00	11966.85				MinPt-EOU	
	731.67	182.42	609.73	549.25	6.04	OSF1.50	12270.00	11980.41				MinPt-ADP	
	732.98	183.15	610.55	549.83	6.03	OSF1.50	12340.00	12023.70				MinPt-SF	
	725.57	174.81	608.71	550.77	6.25	OSF1.50	12750.00	12144.07				MinPt-SF	
	724.87	174.64	608.11	550.23	6.25	OSF1.50	12770.00	12145.83				MinPt-SF	
	722.63	174.27	606.12	548.36	6.25	OSF1.50	12873.26	12150.00				MinPt-CtCt	
	722.86	217.65	577.43	505.21	5.00	OSF1.50	16280.00	12150.00	OSF<5.00			Enter Alert	
	722.89	343.03	493.88	379.86	3.17	OSF1.50	21370.00	12150.00				MinPt-CtCt	
	722.93	374.58	472.88	348.35	2.90	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 401H Rev0 mdv 19Oct23 (DefinitivePlan)													Fail Minor
	20.00	16.26	18.72	3.74	N/A	MAS = 4.96 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	20.00	16.26	18.71	3.74	13205.05	MAS = 4.96 (m)	23.00	23.00				WRP	
	20.00	16.75	8.41	3.25	1.82	OSF1.50	1090.00	1090.00				MinPts	
	20.00	20.06	6.30	-0.05	1.50	OSF1.50	1330.00	1330.00		OSF<1.50		Enter Minor	
	20.00	26.97	1.69	-6.97	1.10	OSF1.50	1790.00	1790.00				MinPt-CtCt	
	21.37	31.40	0.11	-10.03	1.01	OSF1.50	2110.00	2109.40				MinPts	
	22.63	32.90	0.37	-10.27	1.02	OSF1.50	2220.00	2218.50				MinPt-ADP	
	41.83	41.95	13.54	-0.12	1.50	OSF1.50	2800.00	2782.94		OSF>1.50		Exit Minor	
	581.81	178.74	462.32	403.07	4.90	OSF1.50	11790.00	11555.55				MinPts	
	581.83	178.75	462.34	403.08	4.90	OSF1.50	11800.00	11565.55				MinPt-SF	
	586.47	176.85	468.24	409.62	4.99	OSF1.50	11970.00	11732.47	OSF>5.00			Exit Alert	
	710.24	159.94	603.28	550.30	6.69	OSF1.50	12620.00	12125.04				MinPt-SF	
	722.75	217.68	577.30	505.07	5.00	OSF1.50	16590.00	12150.00	OSF<5.00			Enter Alert	
	722.67	275.63	538.58	447.03	3.94	OSF1.50	19020.00	12150.00				MinPt-CtCt	
	722.68	371.32	474.80	351.36	2.92	OSF1.50	22480.00	12150.00				MinPt-CtCt	
	722.68	371.45	474.72	351.23	2.92	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 501H Rev0 mdv 19Oct23 (DefinitivePlan)													Fail Minor
	40.31	32.50	39.02	7.80	N/A	MAS = 9.91 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	40.31	32.50	39.02	7.80	18355.33	MAS = 9.91 (m)	23.00	23.00				WRP	
	40.31	32.50	28.71	7.80	3.78	MAS = 9.91 (m)	1090.00	1090.00				MinPt-EOU	
	40.31	32.50	24.00	7.80	2.57	MAS = 9.91 (m)	1590.00	1590.00				MinPts	
	40.46	32.50	23.76	7.96	2.51	MAS = 9.91 (m)	1630.00	1630.00				MinPt-EOU	
	41.12	32.50	24.03	8.61	2.49	MAS = 9.91 (m)	1670.00	1670.00				MinPt-SF	
	141.46	141.49	46.80	-0.03	1.50	OSF1.50	7770.00	7583.48		OSF<1.50		Enter Minor	
	123.16	171.88	8.25	-48.71	1.07	OSF1.50	8660.00	8443.13				MinPt-CtCt	
	123.33	172.49	8.01	-49.16	1.07	OSF1.50	8690.00	8472.11				MinPts	
	164.34	165.11	53.94	-0.77	1.49	OSF1.50	9110.00	8879.21		OSF>1.50		Exit Minor	
	203.46	180.24	82.97	23.22	1.69	OSF1.50	11970.00	11732.47				MinPt-CtCt	
	204.71	184.05	81.68	20.66	1.67	OSF1.50	12030.00	11788.35				MinPt-EOU	
	205.83	185.45	81.87	20.38	1.67	OSF1.50	12050.00	11806.44				MinPt-ADP	
	206.56	186.16	82.12	20.40	1.67	OSF1.50	12060.00	11815.36				MinPt-SF	
	622.46	190.21	495.33	432.25	4.93	OSF1.50	12730.00	12141.99	OSF>5.00			Exit Alert	
	849.40	255.66	678.63	593.74	5.00	OSF1.50	19050.00	12150.00	OSF<5.00			Enter Alert	
	849.40	320.63	635.32	528.77	3.98	OSF1.50	21230.00	12150.00				MinPt-CtCt	
	849.40	359.30	609.54	490.10	3.55	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 301H Rev0 mdv 19Oct23 (DefinitivePlan)													Fail Minor
	116.60	32.81	115.31	83.79	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	116.60	32.81	115.31	83.79	21696.59	MAS = 10.00 (m)	23.00	23.00				WRP	
	116.60	32.81	105.00	83.79	11.18	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	109.75	33.73	86.94	76.02	4.98	OSF1.50	2260.00	2258.03	OSF<5.00			Enter Alert	
	108.53	37.06	83.49	71.47	4.47	OSF1.50	2481.92	2475.49				MinPt-CtCt	
	132.01	132.09	43.62	-0.08	1.50	OSF1.50	7110.00	6945.98		OSF<1.50		Enter Minor	
	131.03	188.91	4.76	-57.88	1.04	OSF1.50	9540.00	9305.60				MinPt-CtCt	
	131.13	189.46	4.50	-58.32	1.04	OSF1.50	9570.00	9335.58				MinPts	
	131.24	189.60	4.51	-58.37	1.04	OSF1.50	9580.00	9345.57				MinPt-ADP	
	180.64	180.66	59.87	-0.02	1.50	OSF1.50	10070.00	9835.55		OSF>1.50		Exit Minor	
	220.78	180.97	99.81	39.82	1.83	OSF1.50	11140.00	10905.55				MinPt-CtCt	
	222.43	186.04	98.08	36.39	1.79	OSF1.50	11220.00	10985.55				MinPt-EOU	
	223.55	187.39	98.29	36.16	1.79	OSF1.50	11240.00	11005.55				MinPt-ADP	
	224.25	188.05	98.55	36.20	1.79	OSF1.50	11250.00	11015.55				MinPt-SF	
	507.56	154.63	404.15	352.93	4.95	OSF1.50	11860.00	11625.36	OSF>5.00			Exit Alert	
	831.04	189.80	704.18	641.24	6.59	OSF1.50	16640.00	12150.00				MinPt-CtCt	
	839.57	252.74	670.74	586.83	5.00	OSF1.50	18920.00	12150.00	OSF<5.00			Enter Alert	
	839.57	253.31	670.36	586.25	4.99	OSF1.50	18940.00	12150.00				MinPt-CtCt	
	839.57	359.09	599.85	480.48	3.51	OSF1.50	22480.00	12150.00				MinPt-CtCt	
	839.57	359.34	599.68	480.23	3.51	OSF1.50	22488.12	12150.00				MinPts	
30-025-20437 - WEHRLI-FEDERAL 1 - Blind to 5167ft - P&A (DefinitiveSurvey)													Fail Minor
	8369.74	33.11	8347.00	8336.62	403.16	OSF1.50	0.00	0.00				Surface	
	8369.74	56.98	8331.09	8312.76	228.20	OSF1.50	23.00	23.00				WRP	
	8369.74	2526.84	6684.59	5842.89	4.97	OSF1.50	1280.00	1280.00	OSF<5.00			Enter Alert	
	8369.74	3606.14	5965.06	4763.60	3.48	OSF1.50	1800.00	1800.00				MinPt-CtCt	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	8715.87	8733.71	2892.82	-17.83	1.50	OSF1.50	4340.00	4270.43		OSF<1.50		Enter Minor	
	8864.41	10511.45	1856.24	-1647.04	1.26	OSF1.50	5230.00	5130.08				MinPts	
	9958.65	9964.66	3315.01	-6.01	1.50	OSF1.50	8510.00	8298.25		OSF>1.50		Exit Minor	
	9929.58	7431.87	4974.50	2497.71	2.00	OSF1.50	14710.00	12150.00				MinPt-SF	
	9263.41	6855.60	4692.51	2407.80	2.03	OSF1.50	15710.00	12150.00				MinPt-ADP	
	8495.83	5916.94	4550.71	2578.90	2.15	OSF1.50	17010.00	12150.00				MinPt-EOU	
	7173.53	2154.21	5736.89	5019.32	5.00	OSF1.50	20990.00	12150.00	OSF>5.00			Exit Alert	
	7147.29	1966.83	5835.57	5180.46	5.45	OSF1.50	21602.94	12150.00				MinPt-CtCt	
	7173.03	2154.02	5736.51	5019.01	5.00	OSF1.50	22210.00	12150.00	OSF<5.00			Enter Alert	
	7201.90	2343.23	5639.25	4858.67	4.61	OSF1.50	22488.12	12150.00				MinPts	
30-025-25150 - FIELDS 3 - Blind to 5200ft - P&A (DefinitiveSurvey)													Fail Minor
	7441.83	33.11	7419.10	7408.72	358.45	OSF1.50	0.00	0.00				Surface	
	7441.83	56.98	7403.18	7384.85	202.90	OSF1.50	23.00	23.00				WRP	
	7441.83	2236.26	5950.40	5205.57	4.99	OSF1.50	1140.00	1140.00	OSF<5.00			Enter Alert	
	7441.83	3606.14	5037.15	3835.69	3.10	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	7750.96	7751.34	2582.81	-0.38	1.50	OSF1.50	3850.00	3797.14		OSF<1.50		Enter Minor	
	8019.84	10577.99	967.31	-2558.14	1.14	OSF1.50	5260.00	5159.06				MinPts	
	8021.78	10579.93	967.96	-2558.15	1.14	OSF1.50	5270.00	5168.72				MinPt-ADP	
	9656.61	9656.66	3218.30	-0.05	1.50	OSF1.50	9340.00	9106.32		OSF>1.50		Exit Minor	
	9881.82	7479.37	4895.07	2402.45	1.98	OSF1.50	14030.00	12150.00				MinPt-SF	
	9245.35	6925.74	4627.69	2319.61	2.00	OSF1.50	15030.00	12150.00				MinPt-ADP	
	8478.02	5988.66	4485.08	2489.36	2.12	OSF1.50	16420.00	12150.00				MinPt-EOU	
	7366.24	3345.69	5135.28	4020.55	3.30	OSF1.50	20617.15	12150.00				MinPt-CtCt	
	7600.15	4161.96	4825.02	3438.20	2.74	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 502H Rev0 mdv 19Oct23 (DefinitivePlan)													Warning Alert
	34.99	28.25	33.71	6.74	N/A	MAS = 8.61 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	34.99	28.25	33.71	6.74	19026.01	MAS = 8.61 (m)	23.00	23.00				WRP	
	34.99	28.25	23.40	6.74	3.27	MAS = 8.61 (m)	1090.00	1090.00				MinPt-EOU	
	34.99	28.25	18.69	6.74	2.22	MAS = 8.61 (m)	1590.00	1590.00				MinPts	
	35.15	28.25	18.45	6.90	2.17	MAS = 8.61 (m)	1630.00	1630.00				MinPt-EOU	
	35.61	28.25	18.63	7.36	2.16	MAS = 8.61 (m)	1660.00	1660.00				MinPt-SF	
	124.92	38.30	99.06	86.63	4.98	OSF1.50	2590.00	2580.10	OSF>5.00			Exit Alert	
	1253.55	176.45	1135.59	1077.10	10.71	OSF1.50	12240.00	11959.87				MinPt-CtCt	
	1253.68	176.88	1135.44	1076.81	10.68	OSF1.50	12270.00	11980.41				MinPt-EOU	
	1253.82	177.02	1135.47	1076.80	10.68	OSF1.50	12280.00	11987.00				MinPt-ADP	
	1262.62	179.26	1142.79	1083.36	10.62	OSF1.50	12430.00	12068.95				MinPt-SF	
	1569.54	344.92	1339.27	1224.63	6.84	OSF1.50	21560.00	12150.00				MinPt-CtCt	
	1569.58	371.48	1321.60	1198.10	6.35	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdv 19Oct23 (DefinitivePlan)													Warning Alert
	39.99	32.25	38.71	7.74	N/A	MAS = 9.83 (m)	0.00	0.00	CtCt<=15m<15.00			Enter Alert	
	39.99	32.25	38.71	7.74	N/A	MAS = 9.83 (m)	23.00	23.00				WRP	
	39.99	32.25	28.40	7.74	3.76	MAS = 9.83 (m)	1090.00	1090.00				MinPt-EOU	
	39.99	32.25	21.59	7.74	2.24	MAS = 9.83 (m)	1800.00	1800.00				MinPts	
	40.12	32.25	21.43	7.87	2.21	MAS = 9.83 (m)	1830.00	1830.00				MinPt-EOU	
	40.69	32.25	21.61	8.43	2.19	MAS = 9.83 (m)	1870.00	1869.99				MinPt-SF	
	123.95	38.05	98.26	85.91	4.98	OSF1.50	2560.00	2551.12	OSF>5.00			Exit Alert	
	1319.75	316.69	1108.29	1003.06	6.27	OSF1.50	20370.00	12150.00				MinPt-CtCt	
	1319.82	375.26	1069.32	944.56	5.29	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 302H Rev0 mdv 19Oct23 (DefinitivePlan)													Warning Alert
	84.84	32.81	83.55	52.03	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	84.84	32.81	83.55	52.03	21437.26	MAS = 10.00 (m)	23.00	23.00				WRP	
	84.84	32.81	73.24	52.03	8.10	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	84.84	32.81	67.03	52.03	4.98	MAS = 10.00 (m)	1740.00	1740.00	OSF<5.00			Enter Alert	
	67.45	36.91	42.51	30.54	2.78	OSF1.50	2505.69	2498.57				MinPt-CtCt	
	67.53	37.12	42.46	30.42	2.76	OSF1.50	2520.00	2512.44				MinPts	
	67.94	37.41	42.67	30.53	2.76	OSF1.50	2540.00	2531.80				MinPt-SF	
	154.81	47.22	123.00	107.59	4.99	OSF1.50	3170.00	3140.32	OSF>5.00			Exit Alert	
	1397.90	173.53	1281.88	1224.37	12.14	OSF1.50	11010.00	10775.55				MinPts	
	1397.90	173.53	1281.88	1224.37	12.14	OSF1.50	11020.00	10785.55				MinPt-SF	
	1543.61	157.02	1438.61	1386.60	14.83	OSF1.50	12840.00	12149.57				MinPt-CtCt	
	1543.89	334.50	1320.56	1209.39	6.94	OSF1.50	21310.00	12150.00				MinPt-CtCt	
	1543.92	368.67	1297.81	1175.25	6.29	OSF1.50	22488.12	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdv 19Oct23 (DefinitivePlan)													Warning Alert
	99.99	32.81	98.70	67.18	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	99.99	32.81	98.70	67.18	23212.98	MAS = 10.00 (m)	23.00	23.00				WRP	
	99.99	32.81	88.39	67.18	9.57	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	98.11	32.81	77.65	65.30	4.99	MAS = 10.00 (m)	2010.00	2009.81	OSF<5.00			Enter Alert	
	95.98	33.00	73.65	62.98	4.45	OSF1.50	2201.69	2200.38				MinPt-CtCt	
	96.30	33.99	73.31	62.30	4.33	OSF1.50	2270.00	2267.89				MinPt-EOU	
	96.78	34.58	73.40	62.21	4.28	OSF1.50	2310.00	2307.31				MinPt-ADP	
	102.43	37.48	77.12	64.95	4.17	OSF1.50	2510.00	2502.75				MinPt-SF	
	108.93	49.07	75.89	59.86	3.37	OSF1.50	3300.00	3265.89				MinPt-CtCt	
	110.78	54.67	74.00	56.11	3.07	OSF1.50	3680.00	3632.93				MinPt-EOU	
	113.23	57.61	74.49	55.62	2.97	OSF1.50	3880.00	3826.11				MinPt-ADP	
	136.27	72.55	87.58	63.72	2.84	OSF1.50	4830.00	4743.72				MinPt-SF	
	324.07	156.14	219.64	167.92	3.12	OSF1.50	9000.00	8771.79				MinPt-SF	
	337.51	174.27	221.00	163.24	2.91	OSF1.50	10440.00	10205.55				MinPt-SF	
	335.65	172.84	220.10	162.82	2.92	OSF1.50	10510.00	10275.55				MinPt-ADP	
	334.60	171.56	219.90	163.04	2.93	OSF1.50	10550.00	10315.55				MinPt-EOU	
	333.83	169.07	220.79	164.77	2.97	OSF1.50	10610.00	10375.55				MinPt-CtCt	
	440.27	133.05	351.25	307.23	4.99	OSF1.50	11050.00	10815.55	OSF>5.00			Exit Alert	
	1430.15	234.61	1273.41	1195.54	9.18	OSF1.50	18620.00	12150.00				MinPt-CtCt	
	1430.18	353.44	1194.22	1076.74	6.08	OSF1.50	22488.12	12150.00				MinPts	
30-025-40578 - Cimarex Triste Draw 36 State 6H ST01 MWD 10466ft to 15038ft (DefinitiveSurvey)													Warning Alert
	3930.89	32.81	3928.87	3898.08	96592.87	MAS = 10.00 (m)	0.00	0.00				Surface	
	3930.85	32.81	3928.76	3898.04	38231.31	MAS = 10.00 (m)	23.00	23.00				WRP	
	3930.44	32.81	3927.42	3897.63	3765.58	MAS = 10.00 (m)	190.00	190.00				MinPts	
	3933.49	32.81	3925.85	3900.68	693.95	MAS = 10.00 (m)	800.00	800.00				MinPt-EOU	
	3935.42	32.81	3925.54	3902.61	498.00	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3937.20	32.81	3925.28	3904.39	387.46	MAS = 10.00 (m)	1380.00	1380.00				MinPt-EOU	
	548.81	167.17	436.83	381.64	4.96	OSF1.50	10790.00	10555.55	OSF<5.00			Enter Alert	
	349.49	229.08	194.51	120.41	2.31	OSF1.50	11213.14	10978.70				MinPt-CtCt	
	349.56	229.34	194.30	120.21	2.31	OSF1.50	11220.00	10985.55				MinPts	
	559.45	181.99	432.33	377.46	4.94	OSF1.50	11650.00	11415.55	OSF>5.00			Exit Alert	
	1216.63	143.44	1115.27	1073.19	14.25	OSF1.50	12910.00	12150.00				MinPt-EOU	
	1216.23	142.37	1115.60	1073.86	14.36	OSF1.50	13000.00	12150.00				MinPt-CtCt	
	1213.42	139.35	1114.78	1074.07	14.69	OSF1.50	13220.00	12150.00				MinPt-ADP	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	1213.28	139.19	1114.76	1074.10	14.71	OSF1.50	13240.00	12150.00				MinPt-EOU	
	1213.16	138.88	1114.85	1074.28	14.74	OSF1.50	13280.00	12150.00				MinPt-CtCt	
	1198.06	132.59	1103.94	1065.47	15.35	OSF1.50	14570.00	12150.00				MinPt-CtCt	
	1198.11	132.72	1103.91	1065.39	15.33	OSF1.50	14590.00	12150.00				MinPt-EOU	
	1198.17	132.79	1103.92	1065.38	15.32	OSF1.50	14600.00	12150.00				MinPt-ADP	
	1199.13	133.27	1104.58	1065.86	15.26	OSF1.50	14670.00	12150.00				MinPt-SF	
	1217.01	141.99	1116.63	1075.02	14.42	OSF1.50	15890.00	12150.00				MinPts	
	1213.05	143.93	1111.36	1069.11	14.15	OSF1.50	16050.00	12150.00				MinPt-CtCt	
	1213.18	144.38	1111.21	1068.81	14.10	OSF1.50	16070.00	12150.00				MinPt-EOU	
	1213.35	144.60	1111.23	1068.75	14.08	OSF1.50	16080.00	12150.00				MinPt-ADP	
	1250.45	151.58	1143.87	1098.88	13.71	OSF1.50	16410.00	12150.00				MinPt-SF	
	6093.59	169.45	5978.81	5924.14	55.68	OSF1.50	22488.12	12150.00				TD	
30-025-40184 - Cimarex Triste Draw 36 State 1H Gyro+MWD 0ft to 13942ft MD (Offset) (DefinitiveSurvey)													Warning Alert
	4249.03	32.81	4246.97	4216.23	49779.28	MAS = 10.00 (m)	0.00	0.00				Surface	
	4249.03	32.81	4246.95	4216.22	44421.91	MAS = 10.00 (m)	23.00	23.00				WRP	
	4244.95	32.81	4235.07	4212.14	537.04	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4244.88	32.81	4234.55	4212.07	495.40	MAS = 10.00 (m)	1180.00	1180.00				MinPts	
	4245.45	32.81	4233.43	4212.64	413.92	MAS = 10.00 (m)	1440.00	1440.00				MinPt-EOU	
	4246.29	32.81	4232.94	4213.48	366.24	MAS = 10.00 (m)	1650.00	1650.00				MinPts	
	4247.06	32.81	4231.78	4214.25	313.98	MAS = 10.00 (m)	1940.00	1939.94				MinPt-EOU	
	730.43	222.72	581.42	507.72	4.94	OSF1.50	9340.00	9106.32	OSF<5.00			Enter Alert	
	581.40	267.46	401.63	313.94	3.29	OSF1.50	9770.43	9535.98				MinPt-CtCt	
	581.47	267.70	401.48	313.77	3.29	OSF1.50	9780.00	9545.55				MinPts	
	741.10	231.62	582.92	509.48	4.97	OSF1.50	10230.00	9995.55	OSF>5.00			Exit Alert	
	2692.24	140.42	2594.18	2551.82	31.62	OSF1.50	12980.00	12150.00				MinPt-EOU	
	2692.21	140.32	2594.23	2551.89	31.64	OSF1.50	13000.00	12150.00				MinPt-CtCt	
	2694.73	136.96	2598.98	2557.78	32.53	OSF1.50	13250.00	12150.00				MinPt-ADP	
	2694.70	136.91	2598.98	2557.79	32.54	OSF1.50	13260.00	12150.00				MinPt-EOU	
	2694.68	136.82	2599.03	2557.85	32.56	OSF1.50	13280.00	12150.00				MinPt-CtCt	
	2694.36	135.74	2599.42	2558.61	32.85	OSF1.50	13380.00	12150.00				MinPts	
	2694.35	135.72	2599.44	2558.63	32.85	OSF1.50	13390.00	12150.00				MinPt-CtCt	
	2692.85	134.08	2599.03	2558.77	33.28	OSF1.50	13580.00	12150.00				MinPts	
	2692.87	134.10	2599.04	2558.76	33.27	OSF1.50	13590.00	12150.00				MinPt-ADP	
	2694.52	134.42	2600.53	2560.10	33.17	OSF1.50	13690.00	12150.00				MinPt-SF	
	2709.62	130.39	2618.27	2579.23	34.54	OSF1.50	14250.00	12150.00				MinPt-ADP	
	2709.59	130.36	2618.26	2579.23	34.54	OSF1.50	14270.00	12150.00				MinPt-EOU	
	2709.58	130.31	2618.28	2579.27	34.56	OSF1.50	14300.00	12150.00				MinPt-CtCt	
	2710.03	130.27	2618.77	2579.76	34.57	OSF1.50	14440.00	12150.00				MinPt-SF	
	2710.09	129.84	2619.11	2580.25	34.70	OSF1.50	14520.00	12150.00				MinPt-CtCt	
	2710.10	129.86	2619.10	2580.24	34.70	OSF1.50	14530.00	12150.00				MinPt-EOU	
	2710.10	129.87	2619.10	2580.23	34.69	OSF1.50	14540.00	12150.00				MinPt-ADP	
	2710.48	129.98	2619.41	2580.50	34.66	OSF1.50	14630.00	12150.00				MinPt-SF	
	2704.55	130.09	2613.39	2574.46	34.56	OSF1.50	14890.00	12150.00				MinPt-CtCt	
	2704.69	130.45	2613.30	2574.24	34.45	OSF1.50	14920.00	12150.00				MinPt-EOU	
	2704.79	130.57	2613.32	2574.22	34.42	OSF1.50	14930.00	12150.00				MinPt-ADP	
	2706.90	131.67	2614.73	2575.23	34.10	OSF1.50	15020.00	12150.00				MinPt-SF	
	2707.30	130.94	2615.57	2576.36	34.35	OSF1.50	15090.00	12150.00				MinPt-EOU	
	2707.65	131.34	2615.66	2576.30	34.23	OSF1.50	15150.00	12150.00				MinPt-ADP	
	2708.60	131.99	2616.19	2576.61	34.05	OSF1.50	15230.00	12150.00				MinPt-SF	
	2718.61	137.54	2622.51	2581.07	32.64	OSF1.50	15820.00	12150.00				MinPt-SF	
	2719.00	137.64	2622.82	2581.36	32.63	OSF1.50	15870.00	12150.00				MinPt-EOU	
	2719.40	138.09	2622.92	2581.31	32.51	OSF1.50	15900.00	12150.00				MinPt-ADP	
	2722.12	139.56	2624.66	2582.56	32.17	OSF1.50	16030.00	12150.00				MinPt-SF	
	2722.02	139.91	2624.32	2582.11	32.09	OSF1.50	16080.00	12150.00				MinPt-CtCt	
	2722.40	141.05	2623.94	2581.34	31.80	OSF1.50	16150.00	12150.00				MinPt-EOU	
	2722.65	141.36	2624.00	2581.30	31.73	OSF1.50	16170.00	12150.00				MinPt-ADP	
	2723.62	142.30	2624.33	2581.32	31.51	OSF1.50	16240.00	12150.00				MinPt-ADP	
	2724.39	143.03	2624.62	2581.37	31.34	OSF1.50	16290.00	12150.00				MinPt-SF	
	2723.45	145.56	2621.98	2577.89	30.74	OSF1.50	16480.00	12150.00				MinPt-CtCt	
	2723.96	147.17	2621.42	2576.79	30.37	OSF1.50	16570.00	12150.00				MinPt-EOU	
	2724.72	148.08	2621.58	2576.64	30.17	OSF1.50	16620.00	12150.00				MinPt-ADP	
	2901.92	168.48	2785.49	2733.44	27.76	OSF1.50	17670.00	12150.00				MinPt-SF	
	6307.31	189.58	6178.85	6117.73	51.55	OSF1.50	22488.12	12150.00				TD	
30-025-21081 - BRINNINSTOOL P UNIT 1 - INC Only to 17649ft - P&A (DefinitiveSurvey)													Warning Alert
	1226.08	32.81	1224.10	1193.27	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	1226.08	32.81	1224.01	1193.27	14547.29	MAS = 10.00 (m)	23.00	23.00				WRP	
	1226.08	112.16	1150.71	1113.91	16.63	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	1229.02	121.34	1147.54	1107.68	15.39	OSF1.50	1930.00	1929.96				MinPt-EOU	
	1232.36	125.37	1148.19	1106.99	14.93	OSF1.50	1990.00	1989.86				MinPt-ADP	
	2407.44	419.55	2127.20	1987.89	8.63	OSF1.50	6740.00	6588.60				MinPt-SF	
	2591.32	778.72	2071.68	1812.60	5.00	OSF1.50	12890.00	12150.00	OSF<5.00			Enter Alert	
	2327.68	781.29	1806.32	1546.40	4.47	OSF1.50	14030.00	12150.00				MinPts	
	2327.71	781.32	1806.33	1546.39	4.47	OSF1.50	14040.00	12150.00				MinPt-ADP	
	2327.78	781.35	1806.38	1546.43	4.47	OSF1.50	14050.00	12150.00				MinPt-SF	
	2610.24	784.75	2086.58	1825.49	5.00	OSF1.50	15210.00	12150.00	OSF>5.00			Exit Alert	
	8773.64	787.44	8248.18	7986.20	16.74	OSF1.50	22488.12	12150.00				TD	
MR 35 26 Federal Com 603H R0 mdv 31May23 (DefinitivePlan)													Warning Alert
	4228.56	32.81	4227.27	4195.75	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4228.51	32.81	4227.22	4195.70	646830.48	MAS = 10.00 (m)	10.00	10.00				MinPt-SF	
	4228.49	32.81	4227.20	4195.68	1131941.94	MAS = 10.00 (m)	20.00	20.00				MinPt-EOU	
	4228.49	32.81	4227.20	4195.68	3937186.04	MAS = 10.00 (m)	23.00	23.00				WRP	
	1517.01	170.62	1402.93	1346.39	13.41	OSF1.50	11787.21	11552.76				MinPt-CtCt	
	1517.02	170.65	1402.92	1346.37	13.40	OSF1.50	11790.00	11555.55				MinPts	
	1517.10	170.73	1402.95	1346.37	13.40	OSF1.50	11800.00	11565.55				MinPt-SF	
	1367.16	183.50	1244.52	1183.68	11.23	OSF1.50	12393.41	12052.03				MinPt-CtCt	
	1367.27	183.80	1244.40	1183.46	11.21	OSF1.50	12410.00	12059.96				MinPt-EOU	
	1367.40	183.98	1244.42	1183.42	11.20	OSF1.50	12420.00	12064.53				MinPt-ADP	
	1386.97	328.03	1167.95	1058.94	6.36	OSF1.50	17290.00	12150.00				MinPt-CtCt	
	1387.46	417.19	1109.00	970.27	5.00	OSF1.50	19420.00	12150.00	OSF<5.00			Enter Alert	
	1388.22	553.64	1018.80	834.58	3.77	OSF1.50	22488.12	12150.00				MinPts	
30-025-40578 - Cimarex Triste Draw 36 State 6H Gyro+MWD 0ft to 11368ft MD (DefinitiveSurvey)													Pass
	3930.89	32.81	3928.87	3898.08	96592.87	MAS = 10.00 (m)	0.00	0.00				Surface	
	3930.85	32.81	3928.76	3898.04	38231.31	MAS = 10.00 (m)	23.00	23.00				WRP	
	3930.44	32.81	3927.42	3897.63	3765.58	MAS = 10.00 (m)	190.00	190.00				MinPts	
	3933.49	32.81	3925.85	3900.68	693.95	MAS = 10.00 (m)	800.00	800.00				MinPt-EOU	
	3935.42	32.81	3925.54	3902.61	498.00	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3937.20	32.81	3925.28	3904.39	387.46	MAS = 10.00 (m)	1380.00	1380.00				MinPt-EOU	
	4515.08	133.32	4425.66	4381.76	51.41	OSF1.50	10130.00	9895.55				MinPt-CtCt	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	4515.25	133.75	4425.51	4381.50	51.27	OSF1.50	10180.00	9945.55				MinPt-EOU	
	4515.74	134.31	4425.63	4381.43	51.07	OSF1.50	10250.00	10015.55				MinPt-ADP	
	4516.62	135.15	4425.95	4381.47	50.76	OSF1.50	10360.00	10125.55				MinPt-ADP	
	4516.93	135.31	4426.14	4381.61	50.70	OSF1.50	10400.00	10165.55				MinPt-SF	
	4505.48	136.22	4414.13	4369.26	50.19	OSF1.50	11480.00	11245.55				MinPt-SF	
	4504.90	136.21	4413.54	4368.69	50.20	OSF1.50	11550.00	11315.55				MinPt-CtCt	
	4504.94	136.28	4413.51	4368.66	50.20	OSF1.50	11570.00	11335.55				MinPts	
	890.00	156.62	779.64	733.38	9.43	OSF1.50	16619.81	12150.00				MinPt-CtCt	
	890.06	156.88	779.53	733.18	9.41	OSF1.50	16630.00	12150.00				MinPt-EOU	
	890.23	157.13	779.53	733.10	9.39	OSF1.50	16640.00	12150.00				MinPt-ADP	
	899.47	159.69	787.13	739.79	9.31	OSF1.50	16750.00	12150.00				MinPt-SF	
	5935.43	158.29	5828.59	5777.14	57.64	OSF1.50	22488.12	12150.00				TD	
30-025-40665 - Cimarex Triste Draw 36 State 2H MWD 0ft to 13691ft (DefinitiveSurvey)													Pass
	4035.97	32.81	4033.97	4003.16	190122.39	MAS = 10.00 (m)	0.00	0.00				Surface	
	4035.96	32.81	4033.91	4003.15	53842.20	MAS = 10.00 (m)	23.00	23.00				WRP	
	4035.80	32.81	4032.87	4003.00	4239.58	MAS = 10.00 (m)	190.00	190.00				MinPts	
	4034.26	32.81	4024.95	4001.45	549.62	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4031.71	32.81	4017.38	3998.90	320.53	MAS = 10.00 (m)	1830.00	1830.00				MinPts	
	4031.84	32.81	4017.24	3999.03	313.94	MAS = 10.00 (m)	1870.00	1869.99				MinPt-EOU	
	1024.06	152.86	919.92	871.21	10.44	OSF1.50	10030.00	9795.55				MinPt-SF	
	1023.75	153.03	919.39	870.72	10.45	OSF1.50	10055.26	9820.82				MinPt-CtCt	
	1023.76	153.06	919.36	870.70	10.45	OSF1.50	10060.00	9825.55				MinPts	
	2349.34	134.49	2254.92	2214.86	29.14	OSF1.50	13070.00	12150.00				MinPt-CtCt	
	2349.37	134.59	2254.88	2214.77	29.11	OSF1.50	13080.00	12150.00				MinPt-EOU	
	2349.43	134.70	2254.88	2214.73	29.08	OSF1.50	13090.00	12150.00				MinPt-ADP	
	2351.49	135.60	2256.41	2215.89	28.84	OSF1.50	13170.00	12150.00				MinPt-SF	
	2368.92	132.54	2275.94	2236.38	29.76	OSF1.50	13560.00	12150.00				MinPt-SF	
	2420.93	126.54	2331.88	2294.39	32.10	OSF1.50	14350.00	12150.00				MinPt-SF	
	2439.00	128.08	2348.96	2310.92	31.87	OSF1.50	14790.00	12150.00				MinPt-SF	
	2439.22	125.91	2350.57	2313.31	32.54	OSF1.50	14810.00	12150.00				MinPt-SF	
	2364.14	145.12	2262.66	2219.02	26.92	OSF1.50	16650.00	12150.00				MinPt-CtCt	
	2364.57	146.43	2262.22	2218.14	26.66	OSF1.50	16700.00	12150.00				MinPt-EOU	
	2365.25	147.22	2262.38	2218.03	26.51	OSF1.50	16730.00	12150.00				MinPt-ADP	
	2529.45	168.17	2412.95	2361.28	24.35	OSF1.50	17610.00	12150.00				MinPt-SF	
	6035.44	190.34	5906.33	5845.11	49.23	OSF1.50	22488.12	12150.00				TD	
Cimarex Triste Draw 25 Fed Com #19H Rev0 RM 31Jul19 (DefinitivePlan)													Pass
	4677.13	32.81	4675.15	4644.32	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4677.13	32.81	4675.10	4644.32	94353.57	MAS = 10.00 (m)	23.00	23.00				WRP	
	4677.13	32.81	4666.49	4644.32	539.88	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4677.13	32.81	4660.77	4644.32	320.27	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4677.36	32.81	4660.52	4644.56	309.93	MAS = 10.00 (m)	1860.00	1860.00				MinPt-EOU	
	5635.76	142.84	5539.99	5492.92	59.84	OSF1.50	10810.00	10575.55				MinPts	
	1143.85	184.55	1015.21	959.31	10.08	OSF1.50	18228.73	12150.00				MinPt-CtCt	
	1143.92	293.93	942.35	849.99	6.10	OSF1.50	22480.00	12150.00				MinPt-CtCt	
	1143.92	294.17	942.19	849.75	6.10	OSF1.50	22488.12	12150.00				MinPts	
30-025-40688 - QUESO STATE 1H - Gyro+MWD to 15507ft - A (DefinitiveSurvey)													Pass
	1199.69	32.81	1197.71	1166.88	#########	MAS = 10.00 (m)	0.00	0.00				MinPts	
	1199.69	32.81	1197.71	1166.89	635669.09	MAS = 10.00 (m)	23.00	23.00				WRP	
	1199.22	32.81	1192.32	1166.41	243.28	MAS = 10.00 (m)	560.00	560.00				MinPts	
	1197.20	32.81	1185.02	1164.39	117.19	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	1173.12	41.14	1145.11	1131.98	44.62	OSF1.50	2705.93	2692.08				MinPt-CtCt	
	1174.19	43.80	1144.41	1130.39	41.84	OSF1.50	2870.00	2850.55				MinPt-EOU	
	1175.22	45.12	1144.56	1130.10	40.60	OSF1.50	2950.00	2927.82				MinPt-ADP	
	1874.58	131.94	1786.08	1742.64	21.56	OSF1.50	8270.00	8066.43				MinPt-SF	
	2078.56	158.18	1972.57	1920.38	19.90	OSF1.50	10260.00	10025.55				MinPt-CtCt	
	2078.73	158.82	1972.30	1919.90	19.82	OSF1.50	10360.00	10125.55				MinPt-EOU	
	2078.76	158.86	1972.31	1919.90	19.81	OSF1.50	10370.00	10135.55				MinPt-ADP	
	2078.88	158.96	1972.37	1919.92	19.80	OSF1.50	10400.00	10165.55				MinPt-SF	
	2080.35	159.06	1973.78	1921.30	19.80	OSF1.50	10650.00	10415.55				MinPt-SF	
	2375.76	147.14	2277.16	2228.61	24.45	OSF1.50	12590.00	12118.81				MinPt-CtCt	
	2375.83	147.38	2277.08	2228.45	24.41	OSF1.50	12620.00	12125.04				MinPt-EOU	
	2375.90	147.46	2277.09	2228.43	24.40	OSF1.50	12630.00	12126.97				MinPt-ADP	
	2383.52	150.01	2283.01	2233.51	24.06	OSF1.50	12860.00	12149.93				MinPt-SF	
	2384.13	149.97	2283.64	2234.15	24.07	OSF1.50	12873.26	12150.00				MinPt-SF	
	2420.40	168.24	2307.74	2252.15	21.76	OSF1.50	13930.00	12150.00				MinPt-EOU	
	2422.06	170.30	2308.03	2251.76	21.51	OSF1.50	14020.00	12150.00				MinPt-ADP	
	2401.01	219.05	2254.48	2181.96	16.54	OSF1.50	15550.00	12150.00				MinPt-CtCt	
	2403.10	225.01	2252.59	2178.09	16.12	OSF1.50	15740.00	12150.00				MinPt-EOU	
	2405.70	228.23	2253.05	2177.48	15.91	OSF1.50	15840.00	12150.00				MinPt-ADP	
	2413.21	245.07	2249.33	2168.14	14.85	OSF1.50	16270.00	12150.00				MinPt-EOU	
	2414.46	246.57	2249.58	2167.89	14.77	OSF1.50	16320.00	12150.00				MinPt-ADP	
	2424.55	276.51	2239.71	2148.04	13.22	OSF1.50	17040.00	12150.00				MinPts	
	2436.48	279.40	2249.71	2157.08	13.14	OSF1.50	17240.00	12150.00				MinPt-SF	
	6004.12	229.90	5850.36	5774.22	39.42	OSF1.50	22488.12	12150.00				TD	
30-025-40667 - Cimarex Triste Draw 36 State 5H Gyro+MWD 0ft to 13910ft MD (DefinitiveSurvey)													Pass
	3762.45	32.81	3760.42	3729.65	65273.72	MAS = 10.00 (m)	0.00	0.00				Surface	
	3762.32	32.81	3760.19	3729.51	26216.97	MAS = 10.00 (m)	23.00	23.00				WRP	
	3754.15	32.81	3744.04	3721.34	461.50	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3754.06	32.81	3743.79	3721.25	440.97	MAS = 10.00 (m)	1150.00	1150.00				MinPts	
	3754.07	32.81	3742.31	3721.26	375.32	MAS = 10.00 (m)	1380.00	1380.00				MinPts	
	3754.33	32.81	3742.04	3721.52	356.42	MAS = 10.00 (m)	1460.00	1460.00				MinPt-EOU	
	3754.39	32.81	3741.29	3721.58	331.13	MAS = 10.00 (m)	1580.00	1580.00				MinPts	
	3754.55	32.81	3739.91	3721.75	291.23	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	3754.64	32.81	3739.80	3721.83	286.88	MAS = 10.00 (m)	1840.00	1840.00				MinPt-EOU	
	1312.34	319.27	1098.12	993.07	6.23	OSF1.50	9987.58	9753.13				MinPt-CtCt	
	1312.34	319.29	1098.10	993.05	6.23	OSF1.50	9990.00	9755.55				MinPt-SF	
	1312.40	319.36	1098.08	993.04	6.23	OSF1.50	10000.00	9765.55				MinPts	
	2616.65	149.29	2512.73	2467.35	28.69	OSF1.50	13280.00	12150.00				MinPt-ADP	
	2616.52	149.13	2512.71	2467.39	28.72	OSF1.50	13290.00	12150.00				MinPt-EOU	
	2611.36	144.13	2510.87	2467.23	29.77	OSF1.50	13560.00	12150.00				MinPt-ADP	
	2602.92	139.63	2505.45	2463.29	30.71	OSF1.50	13970.00	12150.00				MinPt-ADP	
	2602.82	139.52	2505.42	2463.30	30.74	OSF1.50	13990.00	12150.00				MinPt-EOU	
	2602.71	139.26	2505.50	2463.45	30.79	OSF1.50	14040.00	12150.00				MinPt-CtCt	
	2599.29	136.08	2504.20	2463.22	31.56	OSF1.50	14350.00	12150.00				MinPts	
	2577.66	132.87	2484.68	2444.79	32.15	OSF1.50	15070.00	12150.00				MinPts	
	2577.41	133.08	2484.29	2444.33	32.09	OSF1.50	15220.00	12150.00				MinPt-CtCt	
	2577.56	133.53	2484.14	2444.03	31.96	OSF1.50	15260.00	12150.00				MinPt-EOU	
	2577.84	133.87	2484.20	2443.97	31.87	OSF1.50	15290.00	12150.00				MinPt-ADP	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	2581.85	135.23	2487.31	2446.62	31.56	OSF1.50	15470.00	12150.00				MinPt-SF	
	2581.79	135.27	2487.20	2446.51	31.57	OSF1.50	15700.00	12150.00				MinPt-CtCt	
	2582.27	136.91	2486.60	2445.36	31.15	OSF1.50	15850.00	12150.00				MinPt-EOU	
	2582.77	137.50	2486.71	2445.28	31.01	OSF1.50	15890.00	12150.00				MinPt-ADP	
	2583.10	137.79	2486.83	2445.30	30.94	OSF1.50	15910.00	12150.00				MinPt-SF	
	2578.49	138.04	2482.02	2440.44	30.85	OSF1.50	16110.00	12150.00				MinPt-SF	
	2571.27	142.51	2471.83	2428.75	29.69	OSF1.50	16380.00	12150.00				MinPt-CtCt	
	2571.69	143.76	2471.43	2427.93	29.41	OSF1.50	16430.00	12150.00				MinPt-EOU	
	2572.30	144.51	2471.54	2427.79	29.25	OSF1.50	16460.00	12150.00				MinPt-ADP	
	2791.97	170.47	2674.26	2621.51	26.35	OSF1.50	17590.00	12150.00				MinPt-SF	
	6282.28	194.35	6150.58	6087.93	50.09	OSF1.50	22488.12	12150.00				TD	
Coterra Gin Slinger 23-14 Federal Com 32H Rev0 kFc 19Dec22 (DefinitivePlan)													Pass
	10452.80	32.81	10450.77	10419.99	218481.59	MAS = 10.00 (m)	0.00	0.00				Surface	
	10452.80	32.81	10450.69	10419.99	80808.26	MAS = 10.00 (m)	23.00	23.00				WRP	
	10240.00	89.05	10180.05	10150.95	175.94	OSF1.50	4510.00	4434.63				MinPt-CtCt	
	10240.63	94.45	10177.07	10146.18	165.69	OSF1.50	4790.00	4705.09				MinPt-EOU	
	10245.21	104.42	10175.06	10140.79	149.46	OSF1.50	5310.00	5207.36				MinPt-EOU	
	10247.51	107.52	10175.29	10139.99	145.12	OSF1.50	5470.00	5361.90				MinPt-ADP	
	10635.88	179.51	10515.67	10456.38	89.67	OSF1.50	11750.00	11515.55				MinPts	
	1387.17	284.95	1196.70	1102.21	7.33	OSF1.50	22488.12	12150.00				MinPts	
30-025-40343 - Cimarex Triste Draw 36 State 4H Gyro+MWD 0ft to 15427ft MD (Offset) (DefinitiveSurvey)													Pass
	3754.67	32.81	3752.61	3721.86	49622.87	MAS = 10.00 (m)	0.00	0.00				MinPts	
	3754.69	32.81	3752.54	3721.88	21591.89	MAS = 10.00 (m)	23.00	23.00				WRP	
	3754.88	32.81	3752.43	3722.07	8100.07	MAS = 10.00 (m)	80.00	80.00				MinPt-EOU	
	3751.96	32.81	3742.50	3719.15	501.14	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3751.21	32.81	3740.52	3718.40	420.00	MAS = 10.00 (m)	1300.00	1300.00				MinPts	
	3753.10	32.81	3738.82	3720.29	299.56	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
	1401.63	290.54	1206.72	1111.09	7.31	OSF1.50	11200.00	10965.55				MinPt-SF	
	1401.62	290.58	1206.67	1111.04	7.31	OSF1.50	11204.92	10970.47				MinPt-CtCt	
	1401.63	290.61	1206.64	1111.02	7.31	OSF1.50	11210.00	10975.55				MinPt-ADP	
	1401.70	290.67	1206.64	1111.03	7.31	OSF1.50	11220.00	10985.55				MinPt-EOU	
	1749.12	188.61	1619.04	1560.50	14.83	OSF1.50	13330.00	12150.00				MinPt-ADP	
	1747.21	186.98	1618.24	1560.23	14.95	OSF1.50	13410.00	12150.00				MinPt-ADP	
	1746.88	186.56	1618.19	1560.31	14.98	OSF1.50	13430.00	12150.00				MinPt-EOU	
	1745.26	183.92	1618.35	1561.35	15.20	OSF1.50	13530.00	12150.00				MinPt-EOU	
	1743.91	181.06	1618.91	1562.86	15.44	OSF1.50	13640.00	12150.00				MinPt-EOU	
	1735.09	168.86	1618.19	1566.23	16.57	OSF1.50	14110.00	12150.00				MinPt-ADP	
	1731.54	165.74	1616.70	1565.80	16.88	OSF1.50	14220.00	12150.00				MinPt-ADP	
	1726.58	163.45	1613.27	1563.13	17.09	OSF1.50	14350.00	12150.00				MinPt-ADP	
	1726.29	163.10	1613.21	1563.19	17.13	OSF1.50	14360.00	12150.00				MinPt-EOU	
	1715.38	157.77	1605.84	1557.61	17.65	OSF1.50	14670.00	12150.00				MinPts	
	1681.39	147.63	1578.43	1533.75	18.67	OSF1.50	15060.00	12150.00				MinPt-SF	
	1619.95	149.46	1515.74	1470.49	17.75	OSF1.50	15960.00	12150.00				MinPt-SF	
	1618.76	150.55	1513.81	1468.20	17.59	OSF1.50	16110.00	12150.00				MinPt-CtCt	
	1619.07	151.40	1513.57	1467.67	17.49	OSF1.50	16160.00	12150.00				MinPt-EOU	
	1619.36	151.74	1513.64	1467.62	17.44	OSF1.50	16180.00	12150.00				MinPt-ADP	
	1652.13	160.36	1540.79	1491.77	16.72	OSF1.50	16700.00	12150.00				MinPt-SF	
	1721.11	169.95	1603.60	1551.16	16.29	OSF1.50	17100.00	12150.00				MinPt-SF	
	5894.38	177.76	5774.39	5716.62	50.98	OSF1.50	22488.12	12150.00				TD	
30-025-41150 - TRISTE DRAW 25 FEDERAL COM 3H - MWD to 15359ft - A (DefinitiveSurvey)													Pass
	4480.21	32.81	4478.23	4447.40	1125559.60	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4480.28	32.81	4478.25	4447.47	84291.26	MAS = 10.00 (m)	23.00	23.00				WRP	
	4489.83	32.81	4481.24	4457.02	678.70	MAS = 10.00 (m)	740.00	740.00				MinPt-EOU	
	4491.74	32.81	4479.49	4458.93	436.99	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4491.54	32.81	4476.92	4458.73	349.23	MAS = 10.00 (m)	1350.00	1350.00				MinPts	
	4491.62	32.81	4473.83	4458.81	280.12	MAS = 10.00 (m)	1670.00	1670.00				MinPts	
	4491.41	32.81	4472.20	4458.61	257.28	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	4491.66	32.81	4471.98	4458.86	250.57	MAS = 10.00 (m)	1860.00	1860.00				MinPt-EOU	
	5636.31	162.77	5527.26	5473.54	52.45	OSF1.50	10240.00	10005.55				MinPt-CtCt	
	5636.88	164.50	5526.67	5472.38	51.89	OSF1.50	10400.00	10165.55				MinPt-EOU	
	5637.09	166.60	5525.48	5470.49	51.24	OSF1.50	10670.00	10435.55				MinPts	
	5638.06	166.70	5526.38	5471.35	51.21	OSF1.50	10790.00	10555.55				MinPt-SF	
	1548.62	205.86	1410.89	1342.77	11.36	OSF1.50	18810.00	12150.00				MinPt-CtCt	
	1532.46	262.38	1357.04	1270.08	8.80	OSF1.50	20760.00	12150.00				MinPt-CtCt	
	1534.23	268.35	1354.83	1265.88	8.62	OSF1.50	20940.00	12150.00				MinPt-EOU	
	1537.07	271.72	1355.42	1265.34	8.52	OSF1.50	21040.00	12150.00				MinPt-ADP	
	1533.45	315.10	1322.88	1218.35	7.33	OSF1.50	22270.00	12150.00				MinPt-CtCt	
	1533.81	316.00	1322.65	1217.82	7.31	OSF1.50	22300.00	12150.00				MinPt-EOU	
	1534.07	316.27	1322.72	1217.79	7.30	OSF1.50	22310.00	12150.00				MinPt-ADP	
	1540.15	318.58	1327.27	1221.57	7.28	OSF1.50	22410.00	12150.00				MinPt-SF	
	1549.39	319.75	1335.72	1229.63	7.30	OSF1.50	22488.12	12150.00				TD	
30-025-47637 - WILD SALSA FED COM 323H - MWD to 23192ft - A (DefinitiveSurvey)													Pass
	8868.38	32.81	8866.34	8835.57	168922.98	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8868.45	32.81	8866.37	8835.65	85394.91	MAS = 10.00 (m)	23.00	23.00				WRP	
	8871.31	32.81	8858.49	8838.50	818.64	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8866.86	32.81	8847.11	8834.05	492.83	MAS = 10.00 (m)	1830.00	1830.00				MinPts	
	8867.06	32.81	8846.90	8834.25	481.76	MAS = 10.00 (m)	1870.00	1869.99				MinPt-EOU	
	8921.79	40.70	8894.07	8881.09	343.60	OSF1.50	2490.00	2483.35				MinPt-ADP	
	9863.77	131.90	9775.30	9731.87	113.55	OSF1.50	7850.00	7660.75				MinPt-ADP	
	10068.07	176.45	9949.90	9891.63	86.37	OSF1.50	11170.00	10935.55				MinPt-CtCt	
	10068.09	176.50	9949.89	9891.59	86.34	OSF1.50	11190.00	10955.55				MinPt-EOU	
	10068.11	176.52	9949.89	9891.59	86.33	OSF1.50	11200.00	10965.55				MinPt-ADP	
	10069.64	179.21	9949.62	9890.43	85.03	OSF1.50	11520.00	11285.55				MinPt-EOU	
	10069.69	179.28	9949.64	9890.41	85.00	OSF1.50	11530.00	11295.55				MinPt-ADP	
	2037.68	288.72	1844.70	1748.96	10.63	OSF1.50	22130.00	12150.00				MinPt-SF	
	2012.71	297.74	1813.71	1714.96	10.18	OSF1.50	22488.12	12150.00				MinPts	
Cimarex Triste Draw 25 Federal #3H Pilot Gyro+MWD 0ft to 10322.56ft MD (DefinitiveSurvey)													Pass
	4480.21	32.81	4478.23	4447.40	1121262.67	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4480.29	32.81	4478.27	4447.48	115550.57	MAS = 10.00 (m)	23.00	23.00				WRP	
	4489.18	32.81	4482.70	4456.37	997.58	MAS = 10.00 (m)	670.00	670.00				MinPt-EOU	
	4491.71	32.81	4482.09	4458.90	587.69	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4491.46	32.81	4480.09	4458.65	466.98	MAS = 10.00 (m)	1360.00	1360.00				MinPts	
	4491.52	32.81	4477.98	4458.71	381.03	MAS = 10.00 (m)	1670.00	1670.00				MinPts	
	4491.31	32.81	4476.80	4458.50	352.22	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	4491.40	32.81	4476.69	4458.59	346.76	MAS = 10.00 (m)	1840.00	1840.00				MinPt-EOU	
	5636.27	126.26	5551.53	5510.01	67.86	OSF1.50	10240.00	10005.55				MinPt-CtCt	
	5636.62	127.26	5551.20	5509.37	67.36	OSF1.50	10360.00	10125.55				MinPts	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	5636.85	127.43	5551.30	5509.42	67.27	OSF1.50	10400.00	10165.55				MinPt-SF	
	5637.49	128.33	5551.36	5509.15	66.77	OSF1.50	10540.00	10305.55				MinPts	
	2110.48	167.48	1994.14	1943.01	20.50	OSF1.50	17653.84	12150.00				MinPt-CtCt	
	2110.99	168.97	1993.65	1942.02	20.31	OSF1.50	17700.00	12150.00				MinPt-EOU	
	2111.52	169.61	1993.76	1941.91	20.23	OSF1.50	17720.00	12150.00				MinPt-ADP	
	2201.41	184.60	2073.83	2016.81	19.18	OSF1.50	18280.00	12150.00				MinPt-SF	
	5274.84	188.29	5147.16	5086.55	43.46	OSF1.50	22488.12	12150.00				TD	
30-025-47632 - WILD SALSA FED COM 224H - MWD to 22026ft - A (DefinitiveSurvey)													Pass
	8782.00	32.81	8779.93	8749.19	107013.43	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8782.04	32.81	8779.92	8749.23	60852.00	MAS = 10.00 (m)	23.00	23.00				WRP	
	8783.74	32.81	8776.12	8750.93	1556.50	MAS = 10.00 (m)	620.00	620.00				MinPts	
	8783.03	32.81	8770.71	8750.22	849.30	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8782.84	32.81	8767.59	8750.04	650.90	MAS = 10.00 (m)	1410.00	1410.00				MinPts	
	8783.74	32.81	8766.58	8750.94	570.03	MAS = 10.00 (m)	1640.00	1640.00				MinPt-EOU	
	8816.26	35.33	8792.12	8780.93	393.89	OSF1.50	2190.00	2188.80				MinPts	
	9003.66	52.54	8968.05	8951.12	265.91	OSF1.50	3310.00	3275.55				MinPt-ADP	
	10102.65	160.04	9995.42	9942.62	95.64	OSF1.50	9770.00	9535.55				MinPt-CtCt	
	10103.19	161.64	9994.90	9941.55	94.69	OSF1.50	9930.00	9695.55				MinPt-EOU	
	10104.45	170.34	9990.35	9934.11	89.82	OSF1.50	10690.00	10455.55				MinPts	
	10104.46	170.35	9990.35	9934.11	89.81	OSF1.50	10700.00	10465.55				MinPt-ADP	
	10110.67	170.65	9996.37	9940.03	89.71	OSF1.50	11080.00	10845.55				MinPt-SF	
	2219.21	282.18	2030.59	1937.03	11.85	OSF1.50	22488.12	12150.00				MinPts	
30-025-42082 - Cimarex Triste Draw 25 Federal Com 10H MWD 0ft to 14126ft (DefinitiveSurvey)													Pass
	4745.42	32.81	4743.44	4712.61	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4745.41	32.81	4743.33	4712.60	48718.70	MAS = 10.00 (m)	23.00	23.00				WRP	
	4736.31	32.81	4723.83	4703.50	450.95	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4734.04	32.81	4717.44	4701.24	318.84	MAS = 10.00 (m)	1550.00	1550.00				MinPts	
	4734.66	32.81	4715.58	4701.85	273.22	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5725.85	162.66	5616.87	5563.19	53.32	OSF1.50	10360.00	10125.55				MinPt-SF	
	2330.66	172.92	2214.88	2157.74	20.38	OSF1.50	18264.81	12150.00				MinPt-CtCt	
	2331.10	174.26	2214.42	2156.83	20.23	OSF1.50	18320.00	12150.00				MinPt-EOU	
	2331.69	174.99	2214.53	2156.70	20.15	OSF1.50	18350.00	12150.00				MinPt-ADP	
	2343.73	180.12	2223.16	2163.62	19.67	OSF1.50	18580.00	12150.00				MinPt-SF	
	2336.65	208.03	2197.47	2128.62	16.96	OSF1.50	19800.00	12150.00				MinPt-CtCt	
	2337.43	210.36	2196.69	2127.07	16.78	OSF1.50	19890.00	12150.00				MinPt-EOU	
	2338.31	211.39	2196.88	2126.91	16.70	OSF1.50	19930.00	12150.00				MinPt-ADP	
	2347.93	221.85	2199.53	2126.08	15.97	OSF1.50	20340.00	12150.00				MinPt-EOU	
	2347.60	232.61	2192.03	2114.99	15.23	OSF1.50	20750.00	12150.00				MinPt-CtCt	
	2348.85	236.62	2190.60	2112.23	14.98	OSF1.50	20900.00	12150.00				MinPt-EOU	
	2350.89	239.02	2191.04	2111.87	14.84	OSF1.50	20990.00	12150.00				MinPt-ADP	
	2351.20	250.99	2183.38	2100.21	14.13	OSF1.50	21430.00	12150.00				MinPt-CtCt	
	2338.44	274.40	2155.01	2064.04	12.84	OSF1.50	22260.00	12150.00				MinPt-CtCt	
	2338.83	275.48	2154.68	2063.35	12.80	OSF1.50	22300.00	12150.00				MinPt-EOU	
	2339.28	276.00	2154.78	2063.28	12.77	OSF1.50	22320.00	12150.00				MinPt-ADP	
	2349.80	279.90	2162.70	2069.90	12.65	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-43998 - Cimarex Triste Draw 25 Federal 12H MWD 0ft to 14078ft (DefinitiveSurvey)													Pass
	4633.09	32.81	4631.05	4600.28	77176.16	MAS = 10.00 (m)	0.00	0.00				Surface	
	4633.05	32.81	4630.91	4600.24	29578.80	MAS = 10.00 (m)	23.00	23.00				WRP	
	4621.90	32.81	4609.53	4589.09	444.73	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4619.40	32.81	4604.43	4586.60	349.39	MAS = 10.00 (m)	1400.00	1400.00				MinPts	
	4621.65	32.81	4603.47	4588.84	281.40	MAS = 10.00 (m)	1750.00	1750.00				MinPt-EOU	
	5152.77	88.14	5093.47	5064.63	89.30	OSF1.50	5450.00	5342.58				MinPt-ADP	
	5815.97	162.01	5707.42	5653.96	54.37	OSF1.50	10340.00	10105.55				MinPt-SF	
	2379.35	174.06	2262.81	2205.29	20.67	OSF1.50	18370.00	12150.00				MinPt-CtCt	
	2379.96	175.56	2262.42	2204.40	20.50	OSF1.50	18430.00	12150.00				MinPt-EOU	
	2380.58	176.30	2262.54	2204.28	20.42	OSF1.50	18460.00	12150.00				MinPt-ADP	
	2385.52	179.34	2265.46	2206.18	20.11	OSF1.50	18590.00	12150.00				MinPt-SF	
	2387.51	182.11	2265.61	2205.41	19.82	OSF1.50	18740.00	12150.00				MinPt-EOU	
	2388.33	183.08	2265.78	2205.25	19.72	OSF1.50	18780.00	12150.00				MinPt-ADP	
	2389.42	183.93	2266.31	2205.50	19.63	OSF1.50	18820.00	12150.00				MinPt-SF	
	2386.52	191.28	2258.50	2195.24	18.85	OSF1.50	19160.00	12150.00				MinPt-CtCt	
	2387.23	193.57	2257.68	2193.66	18.63	OSF1.50	19250.00	12150.00				MinPt-EOU	
	2385.51	200.29	2251.49	2185.22	17.99	OSF1.50	19540.00	12150.00				MinPt-CtCt	
	2386.31	202.62	2250.73	2183.68	17.79	OSF1.50	19630.00	12150.00				MinPt-EOU	
	2386.51	205.16	2249.23	2181.35	17.57	OSF1.50	19740.00	12150.00				MinPt-CtCt	
	2387.40	208.28	2248.05	2179.12	17.31	OSF1.50	19860.00	12150.00				MinPt-EOU	
	2388.28	209.33	2248.22	2178.95	17.23	OSF1.50	19900.00	12150.00				MinPt-ADP	
	2389.82	210.64	2248.89	2179.18	17.13	OSF1.50	19950.00	12150.00				MinPt-SF	
	2388.30	215.19	2244.34	2173.11	16.75	OSF1.50	20140.00	12150.00				MinPt-CtCt	
	2386.86	224.22	2236.87	2162.63	16.06	OSF1.50	20490.00	12150.00				MinPt-CtCt	
	2374.36	240.35	2213.63	2134.01	14.90	OSF1.50	21094.21	12150.00				MinPt-CtCt	
	2375.81	247.65	2210.21	2128.16	14.47	OSF1.50	21360.00	12150.00				MinPt-EOU	
	2376.92	249.01	2210.41	2127.91	14.40	OSF1.50	21410.00	12150.00				MinPt-ADP	
	2376.61	263.22	2200.63	2113.39	13.61	OSF1.50	21920.00	12150.00				MinPt-CtCt	
	2377.42	265.73	2199.77	2111.69	13.49	OSF1.50	22010.00	12150.00				MinPt-EOU	
	2378.34	266.83	2199.95	2111.51	13.44	OSF1.50	22050.00	12150.00				MinPt-ADP	
	2384.17	273.96	2201.04	2110.22	13.12	OSF1.50	22300.00	12150.00				MinPt-EOU	
	2384.60	274.49	2201.11	2110.11	13.09	OSF1.50	22320.00	12150.00				MinPt-ADP	
	2394.81	278.56	2208.61	2116.26	12.96	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-42102 - Cimarex Triste Draw 25 Federal Com 8H MWD 0ft to 14100ft (DefinitiveSurvey)													Pass
	4745.42	32.81	4743.44	4712.61	N/A	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4745.43	32.81	4743.40	4712.63	79845.10	MAS = 10.00 (m)	23.00	23.00				WRP	
	4745.60	32.81	4743.33	4712.80	16377.75	MAS = 10.00 (m)	80.00	80.00				MinPt-EOU	
	4745.91	32.81	4743.34	4713.10	8026.19	MAS = 10.00 (m)	130.00	130.00				MinPt-EOU	
	4746.66	32.81	4743.42	4713.85	3773.75	MAS = 10.00 (m)	210.00	210.00				MinPt-EOU	
	4747.35	32.81	4743.42	4714.54	2435.73	MAS = 10.00 (m)	280.00	280.00				MinPt-EOU	
	4751.94	32.81	4740.29	4719.14	490.94	MAS = 10.00 (m)	1030.00	1030.00				MinPts	
	4752.03	32.81	4739.86	4719.22	465.90	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4755.21	32.81	4736.05	4722.40	273.13	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5653.42	153.63	5550.46	5499.78	55.77	OSF1.50	8930.00	8703.93				MinPt-ADP	
	5737.01	164.65	5626.71	5572.36	52.77	OSF1.50	10260.00	10025.55				MinPt-SF	
	2440.76	179.19	2320.80	2261.57	20.59	OSF1.50	18320.00	12150.00				MinPt-CtCt	
	2441.17	180.33	2320.45	2260.85	20.46	OSF1.50	18370.00	12150.00				MinPt-EOU	
	2441.56	180.78	2320.54	2260.78	20.42	OSF1.50	18390.00	12150.00				MinPt-ADP	
	2428.54	200.37	2294.46	2228.17	18.31	OSF1.50	19280.00	12150.00				MinPt-CtCt	
	2410.79	233.35	2254.72	2177.44	15.59	OSF1.50	20590.00	12150.00				MinPt-CtCt	
	2411.70	236.18	2253.75	2175.52	15.41	OSF1.50	20700.00	12150.00				MinPt-EOU	
	2412.95	237.71	2253.98	2175.24	15.31	OSF1.50	20760.00	12150.00				MinPt-ADP	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	2403.72	255.59	2232.83	2148.13	14.18	OSF1.50	21420.00	12150.00				MinPt-CtCt	
	2388.00	279.13	2201.42	2108.88	12.89	OSF1.50	22256.29	12150.00				MinPt-CtCt	
	2388.24	279.96	2201.10	2108.28	12.86	OSF1.50	22290.00	12150.00				MinPt-EOU	
	2388.61	280.44	2201.15	2108.17	12.84	OSF1.50	22310.00	12150.00				MinPt-ADP	
	2399.23	284.21	2209.26	2115.02	12.72	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-47640 - WILD SALSA FED COM 404H - MWD to 23199ft - A (DefinitiveSurvey)													Pass
	8872.73	32.81	8870.74	8839.92	849361.29	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8872.85	32.81	8870.82	8840.04	172781.08	MAS = 10.00 (m)	23.00	23.00				WRP	
	8899.24	32.81	8885.37	8866.43	734.95	MAS = 10.00 (m)	1310.00	1310.00				MinPt-EOU	
	8906.82	32.81	8888.35	8874.01	532.95	MAS = 10.00 (m)	1770.00	1770.00				MinPt-EOU	
	8909.23	32.81	8887.90	8876.42	455.26	MAS = 10.00 (m)	1920.00	1919.96				MinPt-EOU	
	9246.07	60.68	9205.03	9185.39	235.35	OSF1.50	3870.00	3816.45				MinPt-ADP	
	10400.66	156.36	10295.87	10244.29	100.80	OSF1.50	9750.00	9515.55				MinPt-EOU	
	10402.32	158.57	10296.07	10243.78	99.40	OSF1.50	9920.00	9685.55				MinPt-ADP	
	10405.10	161.15	10297.12	10243.94	97.81	OSF1.50	10120.00	9885.55				MinPt-EOU	
	10397.95	173.03	10282.05	10224.91	90.97	OSF1.50	11320.00	11085.55				MinPt-CtCt	
	10397.99	173.16	10282.01	10224.83	90.91	OSF1.50	11360.00	11125.55				MinPt-EOU	
	10398.04	173.23	10282.02	10224.82	90.87	OSF1.50	11380.00	11145.55				MinPt-ADP	
	2629.51	293.60	2433.27	2335.90	13.50	OSF1.50	22301.38	12150.00				MinPt-CtCt	
	2629.86	294.74	2432.67	2335.12	13.44	OSF1.50	22350.00	12150.00				MinPt-EOU	
	2630.44	295.42	2432.99	2335.01	13.42	OSF1.50	22380.00	12150.00				MinPt-ADP	
	2634.02	297.93	2434.90	2336.09	13.32	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-43997 - Cimarex Triste Draw 25 Federal 11H MWD 0ft to 13774ft (DefinitiveSurvey)													Pass
	4745.43	32.81	4743.45	4712.62	5667257.36	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4745.44	32.81	4743.40	4712.63	71529.42	MAS = 10.00 (m)	23.00	23.00				WRP	
	4747.88	32.81	4737.64	4715.07	575.12	MAS = 10.00 (m)	910.00	910.00				MinPts	
	4747.86	32.81	4736.23	4715.05	491.84	MAS = 10.00 (m)	1050.00	1050.00				MinPts	
	4747.87	32.81	4735.86	4715.07	473.06	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4749.41	32.81	4733.61	4716.61	337.94	MAS = 10.00 (m)	1510.00	1510.00				MinPt-EOU	
	4750.75	32.81	4733.35	4717.95	303.55	MAS = 10.00 (m)	1670.00	1670.00				MinPt-EOU	
	5737.39	156.86	5632.28	5580.53	55.42	OSF1.50	10040.00	9805.55				MinPt-SF	
	2634.91	174.43	2518.12	2460.48	22.84	OSF1.50	18416.56	12150.00				MinPt-CtCt	
	2636.00	177.70	2517.04	2458.30	22.43	OSF1.50	18560.00	12150.00				MinPt-EOU	
	2636.97	178.87	2517.23	2458.11	22.29	OSF1.50	18610.00	12150.00				MinPt-ADP	
	2641.31	183.32	2518.60	2457.99	21.78	OSF1.50	18820.00	12150.00				MinPts	
	2638.07	187.94	2512.28	2450.13	21.21	OSF1.50	19030.00	12150.00				MinPt-CtCt	
	2638.45	193.78	2508.77	2444.68	20.57	OSF1.50	19280.00	12150.00				MinPt-CtCt	
	2639.91	198.93	2506.78	2440.97	20.05	OSF1.50	19490.00	12150.00				MinPt-EOU	
	2641.55	200.92	2507.10	2440.63	19.86	OSF1.50	19570.00	12150.00				MinPt-ADP	
	2644.19	203.32	2508.15	2440.87	19.64	OSF1.50	19670.00	12150.00				MinPt-SF	
	2640.22	208.94	2500.43	2431.28	19.08	OSF1.50	19900.00	12150.00				MinPt-CtCt	
	2641.25	212.06	2499.38	2429.19	18.81	OSF1.50	20020.00	12150.00				MinPt-EOU	
	2642.54	213.61	2499.63	2428.92	18.68	OSF1.50	20080.00	12150.00				MinPt-ADP	
	2651.54	227.32	2499.49	2424.22	17.60	OSF1.50	20610.00	12150.00				MinPt-CtCt	
	2652.39	229.73	2498.74	2422.66	17.42	OSF1.50	20700.00	12150.00				MinPt-EOU	
	2653.26	230.79	2498.90	2422.47	17.35	OSF1.50	20740.00	12150.00				MinPt-ADP	
	2653.86	235.09	2496.63	2418.77	17.03	OSF1.50	20900.00	12150.00				MinPt-CtCt	
	2655.14	238.87	2495.39	2416.27	16.77	OSF1.50	21040.00	12150.00				MinPt-EOU	
	2656.71	240.75	2495.71	2415.96	16.65	OSF1.50	21110.00	12150.00				MinPt-ADP	
	2663.81	247.06	2498.60	2416.75	16.26	OSF1.50	21340.00	12150.00				MinPt-EOU	
	2667.35	253.16	2498.08	2414.19	15.89	OSF1.50	21560.00	12150.00				MinPt-EOU	
	2668.93	255.06	2498.39	2413.87	15.78	OSF1.50	21630.00	12150.00				MinPt-ADP	
	2674.61	264.09	2498.05	2410.52	15.27	OSF1.50	21950.00	12150.00				MinPt-EOU	
	2678.00	267.99	2498.84	2410.01	15.07	OSF1.50	22090.00	12150.00				MinPt-ADP	
	2699.49	278.56	2513.28	2420.93	14.61	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-42198 - Cimarex Triste Draw 25 Federal Com 9H MWD 0ft to 13793ft (DefinitiveSurvey)													Pass
	4745.42	32.81	4743.44	4712.61	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4745.40	32.81	4743.31	4712.59	42630.44	MAS = 10.00 (m)	23.00	23.00				WRP	
	4742.75	32.81	4736.02	4709.94	998.00	MAS = 10.00 (m)	540.00	540.00				MinPts	
	4744.17	32.81	4732.05	4711.37	467.34	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4744.17	32.81	4732.17	4711.36	462.93	MAS = 10.00 (m)	1100.00	1100.00				MinPts	
	4746.93	32.81	4727.62	4714.12	270.27	MAS = 10.00 (m)	1830.00	1830.00				MinPts	
	4747.39	32.81	4726.90	4714.59	253.34	MAS = 10.00 (m)	1940.00	1939.94				MinPt-EOU	
	5724.34	159.30	5617.60	5565.04	54.44	OSF1.50	9970.00	9735.55				MinPt-SF	
	2698.09	173.20	2582.13	2524.89	23.56	OSF1.50	18240.00	12150.00				MinPt-CtCt	
	2698.70	175.03	2581.52	2523.68	23.32	OSF1.50	18320.00	12150.00				MinPt-EOU	
	2699.29	175.71	2581.65	2523.57	23.23	OSF1.50	18350.00	12150.00				MinPt-ADP	
	2666.55	208.54	2527.02	2458.01	19.31	OSF1.50	19783.78	12150.00				MinPt-CtCt	
	2668.28	212.64	2526.02	2455.64	18.95	OSF1.50	19946.30	12150.00				MinPt-EOU	
	2670.24	215.00	2526.41	2455.24	18.75	OSF1.50	20040.00	12150.00				MinPt-ADP	
	2675.88	223.46	2526.40	2452.41	18.07	OSF1.50	20370.00	12150.00				MinPt-EOU	
	2677.37	225.25	2526.70	2452.12	17.94	OSF1.50	20440.00	12150.00				MinPt-ADP	
	2680.20	232.12	2524.96	2448.08	17.42	OSF1.50	20700.00	12150.00				MinPt-EOU	
	2682.86	235.28	2525.51	2447.58	17.20	OSF1.50	20820.00	12150.00				MinPt-ADP	
	2687.51	243.46	2524.71	2444.05	16.65	OSF1.50	21120.00	12150.00				MinPt-EOU	
	2689.07	245.31	2525.03	2443.76	16.53	OSF1.50	21190.00	12150.00				MinPt-ADP	
	2694.50	256.96	2522.69	2437.54	15.81	OSF1.50	21610.00	12150.00				MinPt-EOU	
	2695.80	258.55	2522.93	2437.24	15.72	OSF1.50	21670.00	12150.00				MinPt-ADP	
	2699.74	262.73	2524.09	2437.01	15.49	OSF1.50	21820.00	12150.00				MinPt-ADP	
	2715.97	274.61	2532.40	2441.36	14.91	OSF1.50	22240.00	12150.00				MinPt-EOU	
	2717.71	276.84	2532.65	2440.88	14.80	OSF1.50	22320.00	12150.00				MinPt-ADP	
	2726.84	280.63	2539.25	2446.21	14.65	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-44001 - Cimarex Triste Draw 25 Federal 13H MWD to 13778ft MD TD (Surcon Corr) (DefinitiveSurvey)													Pass
	4632.92	32.81	4630.84	4600.11	48802.66	MAS = 10.00 (m)	0.00	0.00				Surface	
	4632.81	32.81	4630.62	4600.01	21605.31	MAS = 10.00 (m)	23.00	23.00				WRP	
	4622.13	32.81	4609.68	4589.32	441.26	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4618.84	32.81	4603.38	4586.03	336.84	MAS = 10.00 (m)	1440.00	1440.00				MinPts	
	4619.20	32.81	4603.02	4586.39	320.32	MAS = 10.00 (m)	1530.00	1530.00				MinPt-EOU	
	5827.21	156.59	5722.27	5670.61	56.38	OSF1.50	10030.00	9795.55				MinPt-SF	
	2707.02	179.34	2586.97	2527.69	22.82	OSF1.50	18640.00	12150.00				MinPt-CtCt	
	2706.39	183.85	2583.32	2522.54	22.25	OSF1.50	18850.00	12150.00				MinPts	
	2696.20	194.17	2566.25	2502.02	20.98	OSF1.50	19300.00	12150.00				MinPt-CtCt	
	2686.10	210.71	2545.12	2475.39	19.25	OSF1.50	19980.55	12150.00				MinPt-CtCt	
	2687.49	215.10	2543.59	2472.39	18.86	OSF1.50	20150.00	12150.00				MinPt-EOU	
	2689.01	216.93	2543.89	2472.08	18.71	OSF1.50	20220.00	12150.00				MinPt-ADP	
	2693.00	222.96	2543.86	2470.04	18.23	OSF1.50	20460.00	12150.00				MinPt-CtCt	
	2693.94	225.91	2542.83	2468.03	18.00	OSF1.50	20570.00	12150.00				MinPt-EOU	
	2696.73	229.84	2543.00	2466.89	17.71	OSF1.50	20720.00	12150.00				MinPt-EOU	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	2698.51	231.98	2543.36	2466.53	17.55	OSF1.50	20800.00	12150.00				MinPt-ADP	
	2700.66	234.89	2543.57	2465.77	17.35	OSF1.50	20910.00	12150.00				MinPt-EOU	
	2702.00	236.50	2543.84	2465.51	17.24	OSF1.50	20970.00	12150.00				MinPt-ADP	
	2704.98	239.71	2544.67	2465.26	17.02	OSF1.50	21090.00	12150.00				MinPt-EOU	
	2706.56	241.60	2544.99	2464.96	16.90	OSF1.50	21160.00	12150.00				MinPt-ADP	
	2711.45	247.32	2546.07	2464.13	16.54	OSF1.50	21370.00	12150.00				MinPt-CtCt	
	2713.75	253.93	2543.97	2459.82	16.12	OSF1.50	21610.00	12150.00				MinPt-EOU	
	2718.72	259.72	2545.07	2458.99	15.78	OSF1.50	21820.00	12150.00				MinPt-ADP	
	2726.86	273.58	2543.98	2453.29	15.03	OSF1.50	22310.00	12150.00				MinPt-EOU	
	2727.31	274.10	2544.08	2453.21	15.00	OSF1.50	22330.00	12150.00				MinPt-ADP	
	2736.00	277.93	2550.21	2458.06	14.84	OSF1.50	22488.12	12150.00				MinPt-SF	
Cimarex Triste Draw 25 Federal #15H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4633.17	32.81	4631.16	4600.36	200413.37	MAS = 10.00 (m)	0.00	0.00				Surface	
	4633.17	32.81	4631.11	4600.36	62404.16	MAS = 10.00 (m)	23.00	23.00				WRP	
	4633.17	32.81	4622.51	4600.36	533.60	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4633.17	32.81	4616.79	4600.36	316.84	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4633.33	32.81	4616.63	4600.53	309.96	MAS = 10.00 (m)	1840.00	1840.00				MinPt-EOU	
	5987.82	139.02	5894.12	5848.80	66.03	OSF1.50	10360.00	10125.55				MinPt-SF	
	2715.44	183.27	2589.04	2532.17	23.76	OSF1.50	18350.00	12150.00				MinPt-CtCt	
	2715.40	259.50	2538.18	2455.90	16.42	OSF1.50	21210.00	12150.00				MinPt-CtCt	
	2715.84	293.23	2516.10	2422.61	14.46	OSF1.50	22310.00	12150.00				MinPt-EOU	
	2716.27	293.74	2516.18	2422.53	14.43	OSF1.50	22330.00	12150.00				MinPt-ADP	
	2724.84	297.34	2522.24	2427.50	14.31	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-31929 - TRISTE DRAW 36 STATE 001 - INC Only to 9150ft - P&G (DefinitiveSurvey)													Pass
	2805.60	32.81	2803.58	2772.79	79734.44	MAS = 10.00 (m)	0.00	0.00				Surface	
	2805.60	32.81	2803.18	2772.79	6378.75	MAS = 10.00 (m)	23.00	23.00				WRP	
	2796.72	175.07	2679.42	2621.65	24.19	OSF1.50	3034.28	3009.23				MinPt-CtCt	
	2833.42	288.73	2640.35	2544.69	14.80	OSF1.50	4790.00	4705.09				MinPt-EOU	
	2872.15	353.38	2636.02	2518.77	12.24	OSF1.50	5560.00	5448.83				MinPt-EOU	
	2920.98	415.19	2643.65	2505.79	10.59	OSF1.50	6290.00	6153.94				MinPt-ADP	
	3224.77	617.40	2812.63	2607.37	7.85	OSF1.50	9360.00	9126.19				MinPt-ADP	
	3225.32	617.51	2813.11	2607.81	7.85	OSF1.50	9370.00	9136.13				MinPt-SF	
	3058.39	171.24	2943.73	2887.16	27.01	OSF1.50	15330.00	12150.00				MinPt-CtCt	
	3058.79	172.15	2943.52	2886.64	26.87	OSF1.50	15380.00	12150.00				MinPt-EOU	
	3060.71	174.35	2943.97	2886.36	26.55	OSF1.50	15450.00	12150.00				MinPt-ADP	
	4132.45	447.09	3833.89	3685.36	13.91	OSF1.50	18110.00	12150.00				MinPt-SF	
	7783.29	585.35	7392.55	7197.94	19.99	OSF1.50	22488.12	12150.00				TD	
Cimarex Triste Draw 25 Federal #14H Rev1 RM 09May19 (DefinitivePlan)													Pass
	4573.78	32.81	4571.77	4540.97	207835.35	MAS = 10.00 (m)	0.00	0.00				Surface	
	4573.78	32.81	4571.72	4540.97	62540.12	MAS = 10.00 (m)	23.00	23.00				WRP	
	4573.78	32.81	4563.11	4540.97	526.39	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4573.78	32.81	4557.39	4540.97	312.65	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4573.95	32.81	4557.24	4541.14	305.86	MAS = 10.00 (m)	1840.00	1840.00				MinPt-EOU	
	5869.00	132.44	5779.47	5736.56	68.35	OSF1.50	10330.00	10095.55				MinPt-SF	
	2870.86	272.71	2684.71	2598.15	16.51	OSF1.50	22100.00	12150.00				MinPt-CtCt	
	2871.29	278.57	2681.20	2592.72	16.15	OSF1.50	22310.00	12150.00				MinPt-EOU	
	2871.96	279.36	2681.33	2592.60	16.11	OSF1.50	22340.00	12150.00				MinPt-ADP	
	2879.88	282.93	2686.78	2596.95	15.95	OSF1.50	22488.12	12150.00				MinPt-SF	
Cimarex Triste Draw 25 Federal #14H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4633.05	32.81	4631.05	4600.24	202354.17	MAS = 10.00 (m)	0.00	0.00				Surface	
	4633.05	32.81	4631.00	4600.24	62590.03	MAS = 10.00 (m)	23.00	23.00				WRP	
	4633.05	32.81	4622.39	4600.24	533.60	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4633.05	32.81	4616.67	4600.24	316.83	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4633.22	32.81	4616.52	4600.41	309.95	MAS = 10.00 (m)	1840.00	1840.00				MinPt-EOU	
	6038.37	137.02	5945.84	5901.34	67.81	OSF1.50	10340.00	10105.55				MinPt-SF	
	2951.03	273.58	2764.43	2677.45	16.89	OSF1.50	21880.00	12150.00				MinPt-CtCt	
	2951.44	286.27	2756.34	2665.16	16.11	OSF1.50	22310.00	12150.00				MinPt-EOU	
	2951.84	286.76	2756.41	2665.07	16.09	OSF1.50	22330.00	12150.00				MinPt-ADP	
	2959.76	290.32	2761.86	2669.43	15.94	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-47639 - WILD SALSA FED COM 093H - MWD to 20738ft - A (DefinitiveSurvey)													Pass
	8863.20	32.81	8861.19	8830.39	287161.61	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8863.30	32.81	8861.24	8830.49	116648.99	MAS = 10.00 (m)	23.00	23.00				WRP	
	8855.83	32.81	8840.79	8823.02	666.71	MAS = 10.00 (m)	1390.00	1390.00				MinPts	
	8856.52	32.81	8840.16	8823.71	606.36	MAS = 10.00 (m)	1560.00	1560.00				MinPt-EOU	
	8884.27	39.74	8857.19	8844.53	350.80	OSF1.50	2170.00	2168.97				MinPts	
	9331.31	79.25	9277.90	9252.07	180.60	OSF1.50	4720.00	4637.47				MinPts	
	9519.88	96.29	9455.15	9423.59	150.80	OSF1.50	5680.00	5564.74				MinPts	
	9920.72	134.75	9830.35	9785.97	111.75	OSF1.50	7760.00	7573.82				MinPt-ADP	
	10233.83	166.52	10122.28	10067.31	93.07	OSF1.50	10360.00	10125.55				MinPt-SF	
	3090.62	266.92	2912.17	2823.70	17.46	OSF1.50	22488.12	12150.00				MinPts	
30-025-42081 - Cimarex Triste Draw 25 Federal 7H MWD 0ft to 14577ft (DefinitiveSurvey)													Pass
	4728.12	32.81	4726.13	4695.31	466902.49	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4728.18	32.81	4726.15	4695.37	96052.25	MAS = 10.00 (m)	23.00	23.00				WRP	
	4730.04	32.81	4726.47	4697.23	2968.69	MAS = 10.00 (m)	270.00	270.00				MinPt-EOU	
	4731.75	32.81	4723.32	4698.94	732.63	MAS = 10.00 (m)	950.00	950.00				MinPts	
	4732.01	32.81	4722.59	4699.20	635.47	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4735.27	32.81	4721.09	4702.46	381.19	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
	5899.29	123.84	5815.42	5775.45	73.76	OSF1.50	10360.00	10125.55				MinPt-SF	
	3125.29	180.13	3001.16	2945.15	27.80	OSF1.50	18090.00	12150.00				MinPt-CtCt	
	3126.29	183.05	3000.21	2943.24	27.33	OSF1.50	18210.00	12150.00				MinPt-EOU	
	3128.35	185.39	3000.70	2942.96	26.98	OSF1.50	18310.00	12150.00				MinPt-ADP	
	3133.31	191.20	3001.80	2942.12	26.15	OSF1.50	18560.00	12150.00				MinPt-EOU	
	3137.01	197.11	3001.55	2939.91	25.35	OSF1.50	18790.00	12150.00				MinPt-EOU	
	3138.54	198.93	3001.86	2939.61	25.11	OSF1.50	18860.00	12150.00				MinPt-ADP	
	3106.01	263.90	2925.98	2842.11	18.44	OSF1.50	20874.97	12150.00				MinPt-CtCt	
	3116.10	297.68	2913.52	2818.42	16.32	OSF1.50	21820.00	12150.00				MinPt-EOU	
	3116.70	301.66	2911.51	2815.04	16.09	OSF1.50	21890.00	12150.00				MinPt-CtCt	
	3118.17	335.42	2890.48	2782.76	14.42	OSF1.50	22260.00	12150.00				MinPt-CtCt	
	3118.40	336.09	2890.23	2782.30	14.39	OSF1.50	22300.00	12150.00				MinPt-EOU	
	3118.53	336.25	2890.25	2782.28	14.38	OSF1.50	22310.00	12150.00				MinPt-ADP	
	3126.30	338.71	2896.27	2787.59	14.32	OSF1.50	22488.12	12150.00				MinPt-SF	
30-025-47635 - WILD SALSA FED COM 094H - MWD to 20459ft - A (DefinitiveSurvey)													Pass
	8785.36	32.81	8783.31	8752.55	128646.48	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8785.38	32.81	8783.31	8752.57	94616.96	MAS = 10.00 (m)	10.00	10.00				MinPt-EOU	
	8785.42	32.81	8783.31	8752.61	70177.80	MAS = 10.00 (m)	23.00	23.00				WRP	

Offset Trajectory	Separation			Allow	Sep.	Controlling	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)	Fact.	Rule	MD (ft)	TVD (ft)	Alert	Minor	Major		
	8786.00	32.81	8783.33	8753.19	12697.90	MAS = 10.00 (m)	140.00	140.00				MinPt-EOU	
	8789.50	32.81	8784.09	8756.69	2563.54	MAS = 10.00 (m)	440.00	440.00				MinPt-EOU	
	8793.98	32.81	8781.92	8761.17	872.34	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8795.70	32.81	8780.50	8762.89	654.23	MAS = 10.00 (m)	1440.00	1440.00				MinPt-EOU	
	9940.65	115.41	9863.17	9825.24	131.01	OSF1.50	7150.00	6984.62				MinPt-ADP	
	10409.54	155.04	10305.65	10254.50	101.76	OSF1.50	10360.00	10125.55				MinPt-SF	
	3683.74	271.16	3502.46	3412.57	20.48	OSF1.50	22488.12	12150.00				MinPts	
30-025-08135 - TRISTE-STATE 1 - INC Only to 5192ft - P&A (DefinitiveSurvey)													Pass
	4269.98	32.81	4267.88	4237.17	34923.64	MAS = 10.00 (m)	0.00	0.00				Surface	
	4269.98	32.81	4267.47	4237.17	8148.85	MAS = 10.00 (m)	23.00	23.00				WRP	
	4269.98	108.17	4197.27	4161.80	60.16	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	4329.64	237.82	4170.51	4091.82	27.50	OSF1.50	3430.00	3391.46				MinPt-EOU	
	4431.17	376.52	4179.61	4054.64	17.72	OSF1.50	4930.00	4840.31				MinPt-EOU	
	4450.34	405.74	4179.31	4044.60	16.51	OSF1.50	5170.00	5072.13				MinPt-EOU	
	4458.56	417.77	4179.51	4040.80	16.06	OSF1.50	5270.00	5168.72				MinPt-ADP	
	4459.39	418.59	4179.80	4040.81	16.04	OSF1.50	5280.00	5178.38				MinPt-SF	
	7005.11	152.54	6902.92	6852.57	69.56	OSF1.50	16980.00	12150.00				MinPt-CtCt	
	7005.81	154.57	6902.26	6851.24	68.64	OSF1.50	17080.00	12150.00				MinPt-EOU	
	7006.91	155.90	6902.47	6851.01	68.06	OSF1.50	17140.00	12150.00				MinPt-ADP	
	8910.56	345.99	8679.40	8564.57	38.79	OSF1.50	22488.12	12150.00				MinPt-SF	
Estacodo Fields #002 (Offset) Plugged SWD Blind 0ft-5206ft (DefinitiveSurvey)													Pass
	5464.79	32.81	5462.09	5431.98	7668.12	MAS = 10.00 (m)	0.00	0.00				Surface	
	5464.79	32.81	5459.68	5431.98	1749.77	MAS = 10.00 (m)	23.00	23.00				WRP	
	5464.79	541.06	5103.49	4923.73	15.19	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	5727.96	1606.20	4656.63	4121.77	5.35	OSF1.50	5290.00	5188.04				MinPts	
	7089.85	336.33	6863.94	6753.52	32.08	OSF1.50	17140.00	12150.00				MinPt-ADP	
	6994.14	226.70	6841.30	6767.44	47.31	OSF1.50	18300.00	12150.00				MinPt-CtCt	
	7020.61	275.10	6835.50	6745.50	38.98	OSF1.50	18910.00	12150.00				MinPt-EOU	
	7103.04	374.10	6851.95	6728.94	28.85	OSF1.50	19540.00	12150.00				MinPt-ADP	
	8151.70	871.11	7569.42	7280.59	14.10	OSF1.50	22488.12	12150.00				MinPt-SF	
H L Johnston L SR Pre-Ongard Well #001 (Offset) Plugged Oil Blind 0ft-5151ft (DefinitiveSurvey)													Pass
	8369.74	32.81	8365.00	8336.93	3036.93	MAS = 10.00 (m)	0.00	0.00				Surface	
	8369.74	32.81	8362.59	8336.93	1620.11	MAS = 10.00 (m)	23.00	23.00				WRP	
	8369.74	547.18	8004.36	7822.56	23.01	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	8861.03	1588.47	7801.52	7272.56	8.37	OSF1.50	5210.00	5110.77				MinPts	
	9919.62	1126.49	9167.29	8793.13	13.25	OSF1.50	14740.00	12150.00				MinPt-SF	
	7162.33	379.53	6907.65	6782.80	28.67	OSF1.50	21602.94	12150.00				MinPt-CtCt	
	7164.52	384.20	6906.72	6780.32	28.32	OSF1.50	21780.00	12150.00				MinPt-EOU	
	7186.35	408.97	6912.04	6777.38	26.66	OSF1.50	22190.00	12150.00				MinPt-ADP	
	7216.82	437.25	6923.67	6779.57	25.02	OSF1.50	22488.12	12150.00				MinPt-SF	

Form 3160-3
(June 2015)

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

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.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 06/14/2024

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 wen, 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 directionany 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 wen 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 win 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 conects this information to anow 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Approval Date: 06/14/2024

Additional Operator Remarks

Location of Well

0. SHL: SESW / 1207 FSL / 2385 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257261 / LONG: -103.629154 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 100 FSL / 990 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254202 / LONG: -103.633663 (TVD: 11552 feet, MD: 11787 feet)

PPP: SWNW / 2642 FNL / 990 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.27571 / LONG: -103.633678 (TVD: 12150 feet, MD: 19946 feet)

PPP: NWNW / 0 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268443 / LONG: -103.633673 (TVD: 12150 feet, MD: 17302 feet)

BHL: NWNW / 100 FNL / 990 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.282697 / LONG: -103.633683 (TVD: 12150 feet, MD: 22488 feet)

BLM Point of Contact

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

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

TRISTE DRAW 36-25 FEDERAL COM 351H

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:

- Abnormal pressures may be encountered upon penetrating the 3rd Bone Spring Sandstone and all subsequent formations.

- 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 Chris Armistead, BLM Geologist at 575-234-5715 or carmistead@blm.gov

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Cimarex Energy Company**
LEASE NO.:	**NMNM86154**
LOCATION:	Section 36, T.23 S., R.32 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	**Triste Draw 36-25 Federal Com 351H**
BOTTOM HOLE FOOTAGE	100'/N & 990'/W
ATS/API ID:	**ATS-24-429**
APD ID:	**10400095885**
Sundry ID:	**N/a**
Date APD Submitted:	**N/a**

WELL NAME & NO.:	**Triste Draw 36-25 Federal Com 352H**
BOTTOM HOLE FOOTAGE	100'/N & 2310'/W
ATS/API ID:	**ATS-24-428**
APD ID:	**10400095890**
Sundry ID:	**N/a**
Date APD Submitted:	**N/a**

Approval Date: 06/14/2024

COA

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

Approval Date: 06/14/2024

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 **1320 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing shall be set at approximately **4970 feet** is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

    ❖ In Ochoa Potash Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **7** inch production casing is:

    - Cement should tie-back at least **500 feet** into previous casing string. Operator shall provide method of verification. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

4. The minimum required fill of cement behind the **4-1/2** inch production liner is:

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

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

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

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

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

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

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

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

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

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

Approval Date: 06/14/2024

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) 6/6/2024

Approval Date: 06/14/2024

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

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 tmie
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.

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 (SO_2). 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

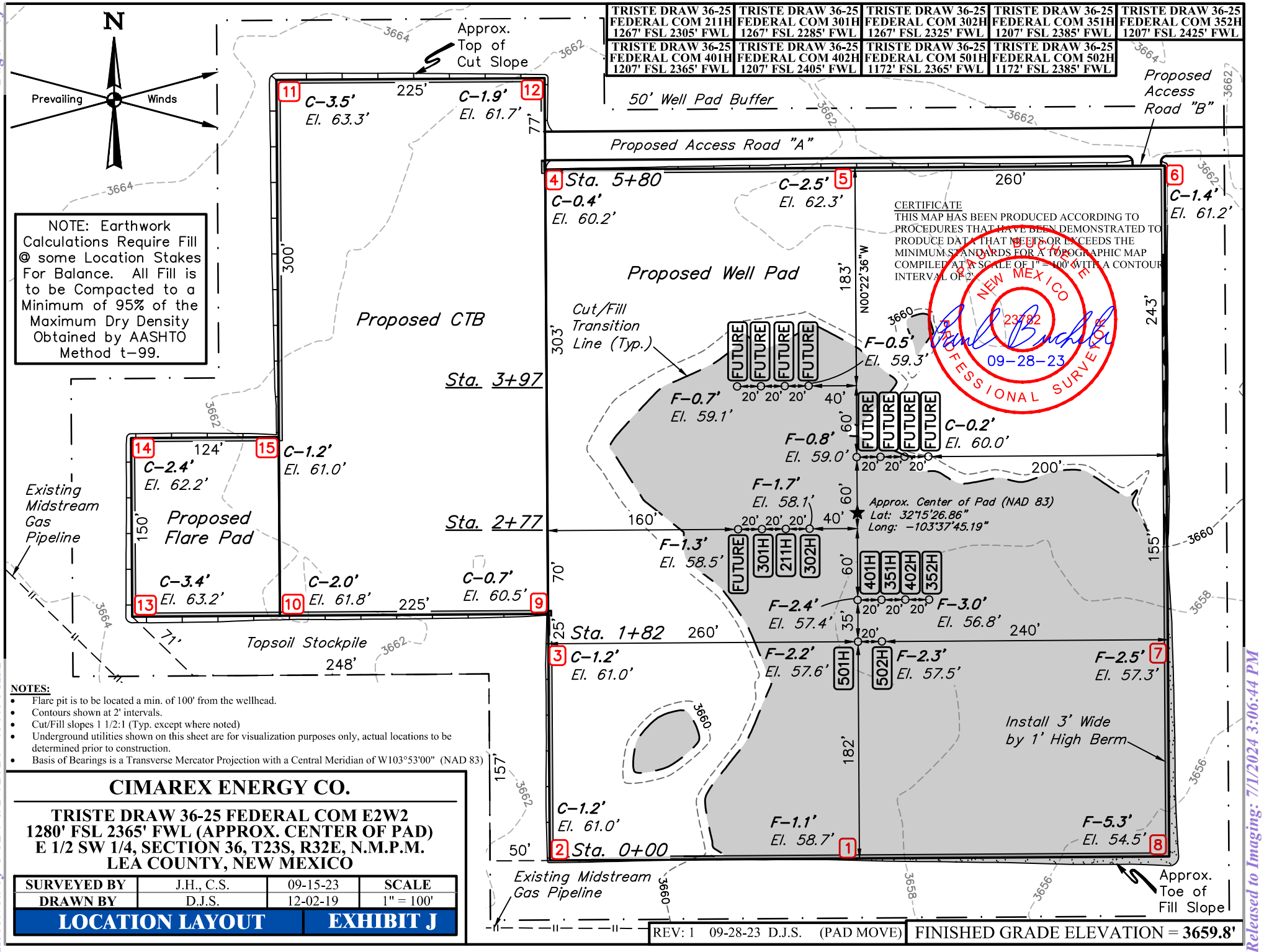
Reeves County Medical - Pecos, TX	432-447-3551
Aero Care - Midland, TX	800-627-2376
Tri State Care Flight - Artesia, NM	800-800-0900
Air Methods - Hobbs, NM	800-242-6199

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	Kermit	432-586-2577	Winkler County Memorial	432-586-5864
		McCamey	432-652-8232	McCamey Hospital	432-652-8626
Loving County	432-377-2411	Mentone			
Irion County	325-835-2551	Mertzon			
Ward County	432-943-6703	Monahans	432-943-2211	Ward Memorial Hospital	432-943-2511
Ector County	432-335-3050	Odessa	432-335-4650	Odessa Regional Hosp.	432-582-8340
Crocket County	325-392-2661	Ozona	325-392-2626		
Reeves County	432-445-4901	Pecos	505-757-6511	Reeves County Hospital	432-447-3551
Yoakum County	806-456-2377	Plains	806-456-2288		
Garza County	806-495-3595	Post			
Upton County	432-693-2422	Rankin			
Coke County	915-453-2717	Robert Lee			
		Roscoe	325-766-3931		
Hockley County	806-894-3126	Levelland	806-894-3155	Covenant Health	806-894-4963
Tom Green County	325-655-8111	San Angelo	325-657-4355	San Angelo Comm. Med.	325-949-9511
Gaines County	432-758-9871	Seminole	432-758-3621	Memorial Hospital	432-758-5811
Terrell County	432-345-2525	Sanderson			
Scurry County	325-573-3551	Snyder	325-573-3546	DM Cogdell Memorial	325-573-6374
Sterling County	325-378-4771	Sterling City			
Nolan County	325-235-5471	Sweetwater	325-235-8130	Rolling Plains Memorial	325-235-1701
Culberson County	432-283-2060	Van Horn		Culberson Hospital	432-283-2760
New Mexico					
Lea County	505-396-3611	Knowles	505-392-7469	Lea Reg Med Ctr	575-492-5000
Eddy County	575-887-7551	Carlsbad	575-885-3125	Carlsbad Medical	575-887-4100
		Artesia	575-746-5050	Artesia Hospital	575-748-3333
Roosevelt County	575-356-4408				
Chaves County	575-624-7590				

Ground Ambulance Services

Reeves County Medical	Pecos, TX	432-447-3551



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'.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 09-28-23

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.

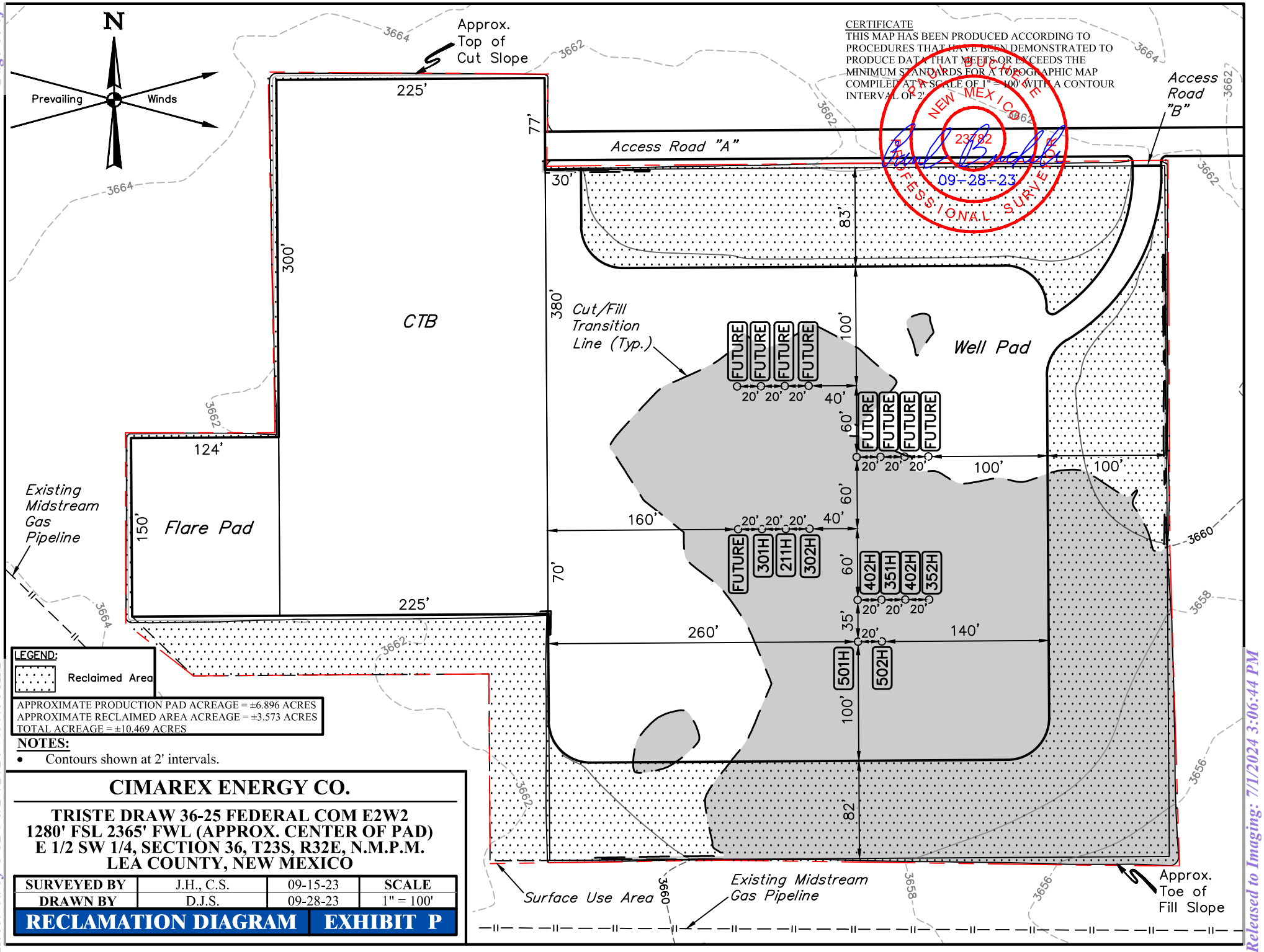
TRISTE DRAW 36-25 FEDERAL COM E2W2
1280' FSL 2365' FWL (APPROX. CENTER OF PAD)
E 1/2 SW 1/4, SECTION 36, T23S, R32E, N.M.P.M.
LEA COUNTY, NEW MEXICO

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

LOCATION LAYOUT **EXHIBIT J**

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

FINISHED GRADE ELEVATION = **3659.8'**



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'.

NEW MEXICO 23782 PROFESSIONAL SURVEYOR
09-28-23

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**

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	[3] Pool Name
	96603	Triste Draw; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
	TRISTE DRAW 36-25 FEDERAL COM	351H

[7] OGRID No.	[8] Operator Name	[9] Elevation
215099	CIMAREX ENERGY CO.	3657.0'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	23S	32E		1207	SOUTH	2385	WEST	LEA

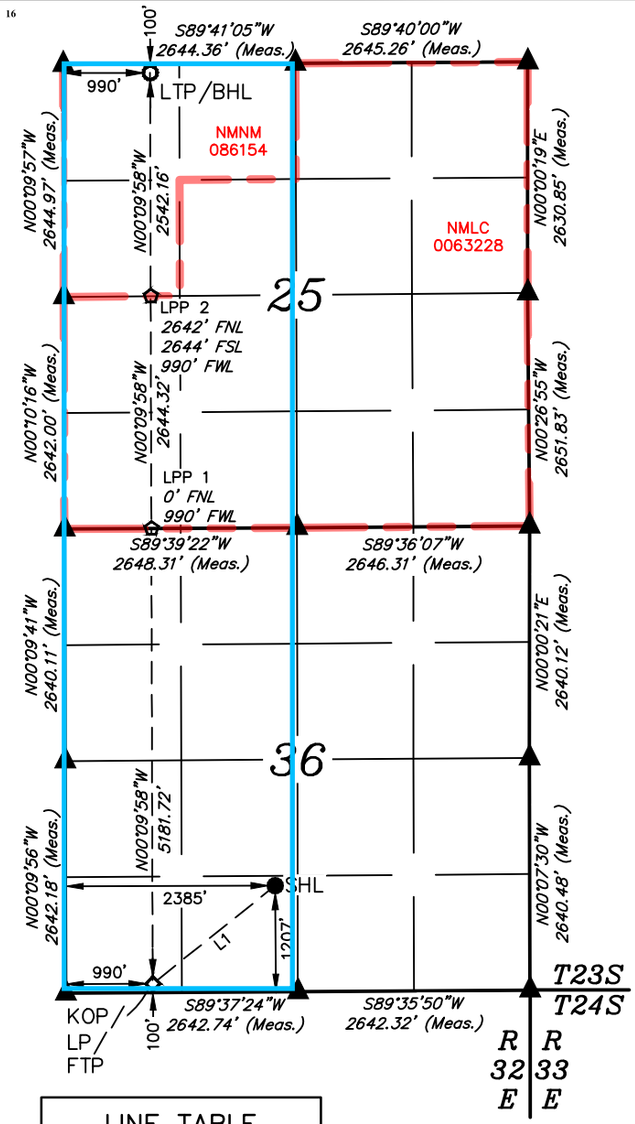
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	23S	32E		100	NORTH	990	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
640			

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.

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S51°16'03"W	1784.21'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.14" (32.257261°)
LONGITUDE = -103°37'44.95" (-103.629154°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'25.70" (32.257138°)
LONGITUDE = -103°37'43.22" (-103.628672°)
STATE PLANE NAD 83 (N.M. EAST)
N: 458038.85' E: 759015.50'
STATE PLANE NAD 27 (N.M. EAST)
N: 457979.71' E: 717831.77'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'15.13" (32.254202°)
LONGITUDE = -103°38'01.19" (-103.633663°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'14.68" (32.254079°)
LONGITUDE = -103°37'59.46" (-103.633182°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456916.87' E: 757628.61'
STATE PLANE NAD 27 (N.M. EAST)
N: 456857.75' E: 716444.86'

NAD 83 (LPP 1)
LATITUDE = 32°16'06.39" (32.268443°)
LONGITUDE = -103°38'01.22" (-103.633673°)
NAD 27 (LPP 1)
LATITUDE = 32°16'05.95" (32.268319°)
LONGITUDE = -103°37'59.49" (-103.633191°)
STATE PLANE NAD 83 (N.M. EAST)
N: 462097.55' E: 757591.89'
STATE PLANE NAD 27 (N.M. EAST)
N: 462038.29' E: 716408.27'

NAD 83 (LPP 2)
LATITUDE = 32°16'32.56" (32.275710°)
LONGITUDE = -103°38'01.24" (-103.633678°)
NAD 27 (LPP 2)
LATITUDE = 32°16'32.11" (32.275587°)
LONGITUDE = -103°37'59.50" (-103.633196°)
STATE PLANE NAD 83 (N.M. EAST)
N: 464741.33' E: 757573.14'
STATE PLANE NAD 27 (N.M. EAST)
N: 464682.00' E: 716389.59'

NAD 83 (LTP/BHL)
LATITUDE = 32°16'57.71" (32.282697°)
LONGITUDE = -103°38'01.26" (-103.633683°)
NAD 27 (LTP/BHL)
LATITUDE = 32°16'57.26" (32.282573°)
LONGITUDE = -103°37'59.52" (-103.633200°)
STATE PLANE NAD 83 (N.M. EAST)
N: 467282.98' E: 757555.11'
STATE PLANE NAD 27 (N.M. EAST)
N: 467223.57' E: 716371.63'

[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 10/23/23
Signature Date

Shelly Bowen
Printed Name

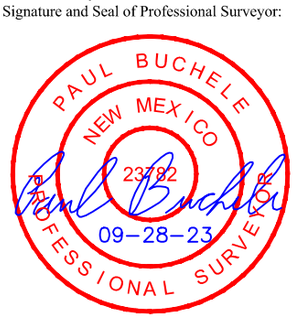
shelly.bowen@coterra.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

September 15, 2023
Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

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

2000' 1000' 0' 2000'
SCALE
DRAWN BY: D.J.S. 09-28-23

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

Drilling Plan Data Report
06/14/2024

APD ID: 10400095885
Submission Date: 11/20/2023
Operator Name: CIMAREX ENERGY COMPANY
Well Name: TRISTE DRAW 36-25 FEDERAL COM
Well Number: 351H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13602717	RUSTLER	0	1238	1238	ANHYDRITE	USEABLE WATER	N
13602718	TOP SALT	-1731	1731	1731	HALITE	NONE	N
13602716	LAMAR	-5036	5036	5036	SANDSTONE	NONE	N
13602719	BASE OF SALT	-5036	5036	5132	LIMESTONE	NONE	N
13602720	BELL CANYON	-5087	5087	5185	SANDSTONE	NATURAL GAS, OIL	Y
13602721	CHERRY CANYON	-5940	5940	6068	SANDSTONE	NATURAL GAS	Y
13602722	BRUSHY CANYON	-7318	7318	7495	SANDSTONE	NATURAL GAS, OIL	Y
13602723	BONE SPRING LIME	-8850	8850	9080	LIMESTONE	NONE	N
13602724	AVALON SAND	-9033	9033	9266	SHALE	NATURAL GAS, OIL	Y
13602725	BONE SPRING 1ST	-10050	10050	10284	SANDSTONE	NATURAL GAS, OIL	Y
13602726	BONE SPRING 2ND	-10592	10592	10826	SANDSTONE	NATURAL GAS, OIL	Y
13602727	BONE SPRING 3RD	-11942	11942	12215	OTHER : Carbonate	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M
Rating Depth: 12150

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.

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 351H

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

Choke Diagram Attachment:

5M_BOPE_BLM_SUBMISSION_Choke_20240424111804.pdf

COTERRA_MBU_3T_CFL_20_X_13.38_X_9.58_X_7_X_4.5_20240424111804.pdf

CHOKE_HOSE_M14856_404H_20240424111808.pdf

COTERRA_5K_PROD_TREE_20240424111919.pdf

BOP Diagram Attachment:

5M_BOP_DIAGRAM_20240424111817.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.625	NEW	API	N	0	1320	0	1320	3658	2338	1320	H-40	48	ST&C	1.33	3.1	DRY	5.08	DRY	5.08
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5165	0	5067	3658	-1409	5165	HCK-55	40	LT&C	1.45	1.5	DRY	2.77	DRY	2.77
3	PRODUCTION	8.75	7.0	NEW	API	N	0	12537	0	12106	3658	-8448	12537	P-110	29	BUTT	1.51	1.98	DRY	99.99	DRY	99.99
4	LINER	6	4.5	NEW	API	N	11287	22488	11237	12150	-7579	-8492	11201	P-110	11.6	BUTT	1.26	1.78	DRY	36.66	DRY	36.66

Casing Attachments

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 351H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_20240603090510.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 351H

Casing Attachments

Casing ID: 4 **String** LINER

Inspection Document:

Spec Document:

Tapered String Spec:

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
LINER	Lead		0	0	0	0	0	0	0	0	0
LINER	Tail		12437	22488	746	1.3	14.2	969	10	50:50 (Poz H)	Salt + Bentonite + Fluid Loss + Dispersant + SMS
SURFACE	Lead		0	1020	640	1.72	13.5	1100	45	Class C	Bentonite
SURFACE	Tail		1020	1320	171	1.34	14.8	229	45	Class C	LCM
INTERMEDIATE	Lead		0	4856	976	1.88	12.9	1836	51	36:65 (Poz c)	Salt, Bentonite
INTERMEDIATE	Tail		4856	5165	292	1.34	14.8	391	51	Class C	LCM
PRODUCTION	Lead		4965	11537	419	3.64	10.3	1525	25	Tuned Light	LCM
PRODUCTION	Tail		11537	12537	125	1.36	14.8	170	25	Class C	Retarder

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 351H

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 Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

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	1320	OTHER : Fresh water	7.83	8.33							
1320	5165	OTHER : Brine water	9.5	10							
5165	12537	OTHER : Cut brine or OBM	8.5	9							
12873	22488	OIL-BASED MUD	9	9							

Section 6 - Test, Logging, Coring

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

NO DST

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

CEMENT BOND LOG,GAMMA RAY LOG,COMPENSATED NEUTRON LOG,

Coring operation description for the well:

N/A

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM **Well Number:** 351H

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 6002 **Anticipated Surface Pressure:** 3328

Anticipated Bottom Hole Temperature(F): 182

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

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20240424113105.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

351H_Directional_20231116085827.pdf
351H_Well_Plan_20231116085827.pdf
351_AC_Summary_20231116085827.pdf
GEOPROG_Triste_Draw_36_25_Fed_Com_351H_3rd_Sand_JAB_20231120131933.pdf
WELL_CONTROL_PLAN_REV.0_20240424135845.pdf
351H_Directional_100_20240509125447.pdf
351H_Drilling_Plan_updated_04242024_20240603090528.pdf

Other proposed operations facets description:

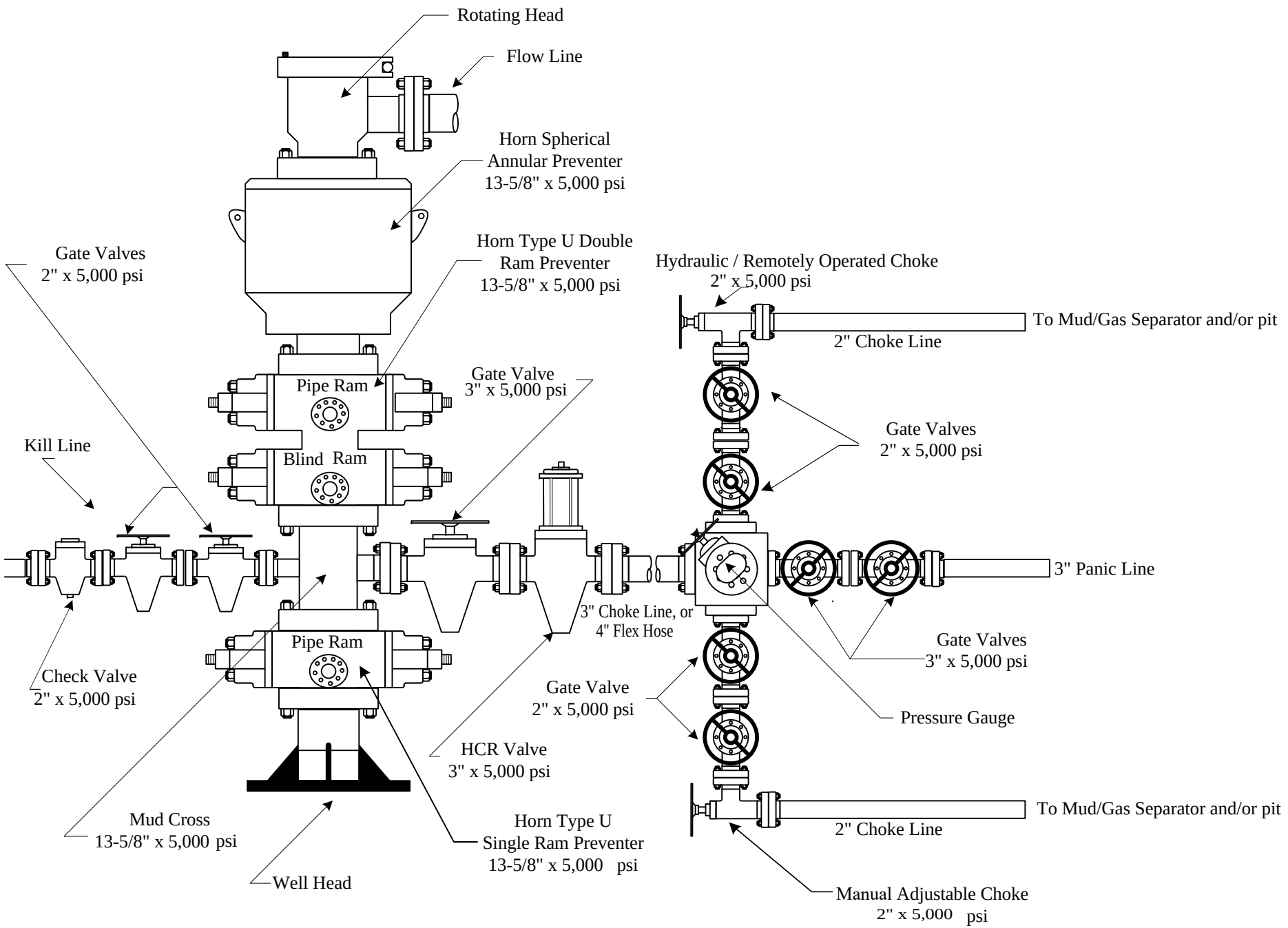
Other proposed operations facets attachment:

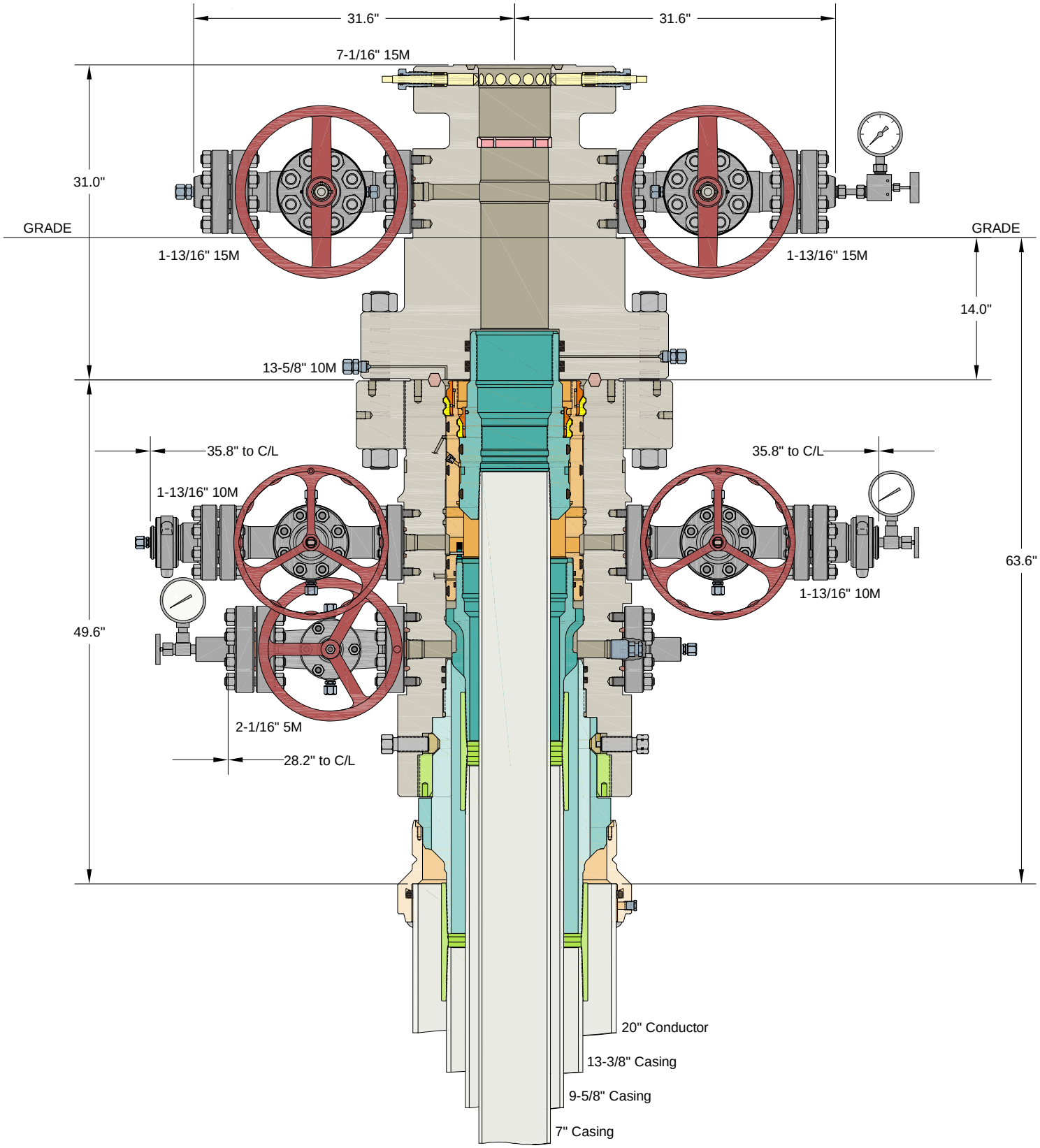
Triste_Draw_36_25_Federal_Com_Location_Layout_Plat_20231115135509.pdf
Triste_Draw_36_25_Federal_Com_Well_Site_Layout_20231115135509.pdf
Triste_Draw_36_25_Federal_Com_351H_Natural_Gas_Plan_Cimarex_20231116085839.pdf

Other Variance attachment:

NEW_MEXICO_STANDARD_VARIANCES_Triste_351H_352H_20240424113205.pdf
CHOKE_HOSE_M14856_404H_20240424113210.pdf

COTERRA





ALL DIMENSIONS APPROXIMAT

CACTUS WELLHEAD LLC	CIMAREX HOBBS, NM	
20" x 13-3/8" x 9-5/8" x 7" MBU-3T-CFL-R-DBLO-SF Wellhead Sys. With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8" Fluted & 7" One Piece Mandrel Casing Hangers	DRAWN	VJK 01FEB24
	APPRV	
	DRAWING NO.	HBE0001053

Gates Engineering & Services UK Ltd		CERTIFICATE OF CONFORMITY	
Doc. Ref.	Form-056		
Revision	4		

Gates SO No. 31675	**Customer Name & Address:** **Gates Engineering & Services North America** **7603, Prairie Oak Drive** **Suite 190** **Houston, TX 77086** **United States**
Clients PO No: 1714987/ 0	
Description: 3" Choke & Kill Hose x 35ft	

This is to certify that the components listed below have been supplied in accordance API 16C & with the referenced order number above. The assemblies listed below have been manufactured and tested in the UK

SPECIFICATION

ITEM	DESCRIPTION	Drawing Num	QTY
2	3" Choke & Kill Hose x 35ft complete with 4.1/16" API 6A 10K Fixed Flange with BX155 Inlaid Ring Groove on one end & 4.1/16" API 6A 10K Swivel Flange with BX155 Inlaid Ring Groove On the other end	31675-DW-001, Rev 0	1
	Hose Batch: 120839		
	Hose Assembly: 120840		
	Customer Tag: N/A		
	Working Pressure: 10000 PSI		
	Test Pressure: 15000 PSI		
	Standard: API 16C		
	PSL: FSL 3		
	Material Grade: F		
	Temperature Rating: -25 to +100 Deg C		

Accepted by..S A Tait..... 17/02/20 ..... **for and on behalf of Gates Engineering & Services UK Ltd**

Gates Engineering & Services UK Limited QA Approved

Gates Engineering & Services UK Ltd		PRESSURE TEST CERTIFICATE	
Doc. Ref.	Form-051		
Revision	9		

	Certificate No:
☐ BURST ☑ HYDROSTATIC ☐ CYCLIC	31675-002

Product:	3” Choke & Kill Hose	**Hose WO/Batch:**	120839
Assembly WO:	120840	**Length:**	35Ft
SO No:	31675	**Date:**	11/02/20
Client:	Gates Engineering & Services North America	**Client Reference:**	1714987/ 0

Inner Diameter:	3	**Inch**		
Working Pressure:	10000	**Psi**	690	**bar**
Test Pressure:	15000	**Psi**	1034	**bar**
Burst Pressure:	22500	**Psi**	1551	**bar**

Hose Description:	3” Choke & Kill Hose x 35ft complete with 4.1/16" API 6A 10K Fixed Flange with BX155 Inlaid Ring Groove on one end & 4.1/16" API 6A 10K Swivel Flange with BX155 Inlaid Ring Groove On the other end	
Item No	**Qty**	**Part Code**	**Customer Tag No (if applicable)**
2	1	HA31623-001	N/A

Details of Test:	Pressure tested with water at ambient temperature for 60 minutes at test pressure 1034 BAR, Chart recording done with Yokagawa Data Logger S/N: S5NC08915 Transducer ESI GS4200EX3000DE ID:TD/DC-002, S/N: 2018-741502 Calibration Certificate No: IKMCERTL9111
Results:	Pressure Loss: 11.4 Bar Acceptance Criteria: Pressure loss not to exceed - 34.47 Bar or 500 PSI

GESUK Ltd	Third Party
17/02/20	

CR 374

File Message : 120840 FAT
Device Type : DX2000
Serial No. : S5NC08915

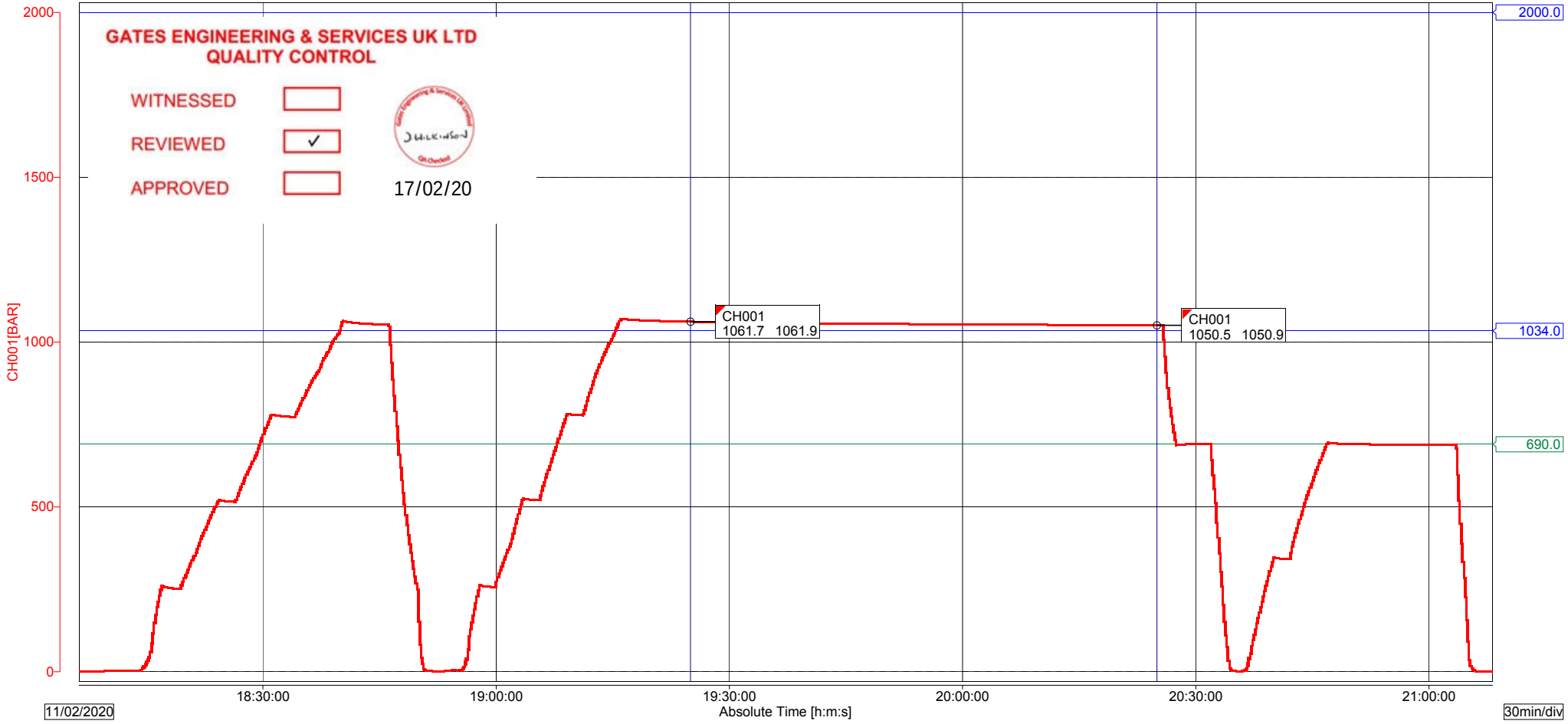
Start Time : 11/02/2020 18:06:20.000
Stop Time : 11/02/2020 21:08:10.000

Print Groups : GROUP 1
Print Range : 11/02/2020 18:06:20.000 - 11/02/2020 21:08:10.000
Comment : Factory Acceptance Test

		Cursor A	Cursor B	Difference
Data No.		472	832	360
Absolute Time		11/02/2020 19:25:00.000	11/02/2020 20:25:00.000	01:00:00.000
Channel		Value A	Value B	Value B-A
CH001 [BAR]	Max	1061.9	1050.9	-11.0
	Min	1061.7	1050.5	-11.2

Section 472 - 832 11/02/2020 19:25:00.000 - 11/02/2020 20:25:00.000

Channel	MIN	MAX	P-P	Mean	RMS
CH001[BAR]	1050.5	1061.9	11.4	1055.0	1055.1



TUSK LIFTING

REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE	ADDRESS OF THE PREMISES WHERE THE EXAMINATION WAS MADE		
Gates Engineering & Services UK Ltd Bassington Drive Bassington Industrial Estate Cramlington NE23 8AS	Tusk Lifting Ltd 49D Sadler Forster Way Teesside Industrial Estate Stockton-On-Tees TS17 9JY	DATE OF REPORT	08/01/2020
		REPORT NO	13322
		CUSTOMER REFERENCE	052628
		CONTRACT NO.	0000059501

QTY	ID NO.	DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE	SWL / WLL	EWL	EXAM REASON (SEE BELOW)	TEST APPLIED	LATEST DATE OF NEXT THOROUGH EXAMINATION
50.00	643615/1 - 643615/50	10mm x 6ft HCP Coated Chain Sling c/w 4.75t Safety Pin Bow Shackle each end	4 TONNE	6 FT	B	VISUAL	08/07/2020

REASON FOR EXAMINATION: **A** - NEW INSTALLATION OR NEW LOCATION; **B** - WITHIN 6 MONTHS; **C** - WITHIN 12 MONTHS; **D** - WRITTEN SCHEME; **E** - EXCEPTIONAL CIRCUMSTANCES.

NAME AND QUALIFICATION OF PERSON MAKING THE REPORT

Jimmy Joyce, Company Approved Examiner

SIGNATURE

NAME OF THE PERSON AUTHENTICATING THE REPORT

Julie Montgomery, Planner

SIGNATURE

DATE OF THOROUGH EXAMINATION **08/01/2020**

OPERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://WWW.TUSKLIFTING.CO.UK
THE ORIGINAL MANUFACTURERS EC DECLARATION OF CONFORMITY IS HELD ON FILE AT OUR PREMISES AND IS AVAILABLE UPON REQUEST

Tusk Lifting Ltd.
49D Sadler Forster Way. Teesside Industrial Estate.
Stockton On Tees. TS17 9JY

T. 01642 915330
E. teesside@tusklifting.co.uk
W. tusklifting.co.uk

VAT. GB258876247
REG. 10497383

MAMMOET

LEEA Full Member

IMB52628

William Hackett
Lifting Products Limited

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001
ENVIRONMENTAL SYSTEM CERTIFICATION DNV·GL ISO 14001
SAFETY SYSTEM CERTIFICATION DNV·GL ISO 45001
LEEA Full Member

DUAL PURPOSE DOCUMENT

EC DECLARATION OF CONFORMITY — A

DECLARATION

I DECLARE THAT THE ITEMS DESCRIBED ON THIS DOCUMENT COMPLY WITH THE REQUIREMENTS OF THE MACHINERY DIRECTIVE 2006/42/EC

MANUFACTURER'S CERTIFICATE — B

CERTIFIED ON BEHALF OF THE COMPANY

T.J. BURGESS 17/12/2019

Delivery Address		
TUSK LIFTING LTD (STOCK) 49D SADLER FORSTER WAY TEESIDE INDUSTRIAL ESTATE STOCKTON ON TEES TS17 9JY	**Supplied To:**	TUS002
	Certificate Number:	**L072222**
	Customer Order No:	7557
	Date Received:	17/12/2019

PRODUCTS REQUIRING A DECLARATION OF CONFORMITY ARE INDICATED BY (A)
THOSE REQUIRING JUST A MANUFACTURER'S CERTIFICATE BY (B)

Authorised person for the configuration of the declaration documents: Tim Burgess, William Hackett Lifting Products, Alnwick, UK

A/B	Batch	Lot No / Serial No	Product	Description	Qty	Working Load Limit	Proof Load	Min Breaking Load
A	P02637	643615/1-50	HNZZZ.100.TUSK	10mm grade 10 chain sling assembly. Comprising of: 1 x 4.75t Safety Bow Shackle, 1 x 10mm connector, 10mm grade 10 chain, 1 x 10mm connector and 1 x 4.75t Safety Bow Shackle.	50	4t		

OAK DRIVE, LIONHEART ENTERPRISE PARK, ALNWICK, NORTHUMBERLAND NE66 2EU
Tel. + 44 (0) 1665 604200 Fax. + 44 (0) 1665 604204 Email: info@williamhackett.co.uk
Website: www.williamhackett.co.uk Co. Registration No. 09679580 VAT Reg. No. 217 3508 23

Report Version 2-5

IMB52628

William Hackett
Lifting Products Limited

3.1 Material Certificate

DATE: 18.12.2019	**PURCHASE ORDER NO. 7557**

CUSTOMER	TUSK LIFTING LIMITED
ADDRESS	49D SADLER FORSTER WAY TEESIDE IND EST STOCKTON ON TEES TS17 9JY

PRODUCT CODE: ASV.100.5	Marking: 1235
DESCRIPTION: 10MM GRADE 10 LIFTING CHAIN – Q61076	

Chemical Composition –

	%
C	0,215
Si	0,216
Mn	1,222
P	0,0076
S	0,0071
Ni	0,947
Cr	0,554
Cu	-
Mo	0,595
AL	0,0337

Trading & Registered Office: Oak Drive, Lionheart Enterprise Park, Alnwick, Northumberland NE66 2EU
Tel: +44 (0) 1665 604200 Fax: +44 (0) 1665 604204 Email: info@williamhackett.co.uk
Website: www.williamhackett.co.uk CRN: 09679580 VAT Registration No. 217 3508 23

YOKE®

Safety is our first priority™

Q6|259

YOKE INDUSTRIAL CORP.
#39,33rd Road, Taichung Industrial Park,
TAICHUNG 407, TAIWAN
TEL:+886-4-2350 8088
FAX:+886-4-2350 1001

IMB52628

Test Certificate

80059145-000730

TO : WILLIAM HACKETT LIFTING PRODUCTS LTD
Oak Drive,
Lionheart Enterprise Park,
Alnwick, Northumberland, NE66 2EU,
United Kingdom
Tel: 44-1665604200

Invoice NO: 90059797

Description: ITEM: X-015-10
G100,Connecting Link,10mm,3/8"
Batch No : YUA
Quantity : 1,800 PC

C	Si	Mn	P	S	Cr	Mo	Ni	Fe
0.18~0.30	0.15~0.40	0.70~1.30	<0.035	<0.04	0.40~1.10	0.15~0.40	0.40~1.00	other

Material :	Alloy Steel
Mini. Breaking Load :	157kN
Magnetic Flux Crack Tested :	100% of above quantity

Proof Load Test 100% :	98.1kN
Fatigue Rate 20000 cycle :	58.8kN
Working Load Limit :	4.0tonnes

TESTING ACCORDING TO ASTM A952/A 952M、DIN PAS 1061、EN1677-1
ISO 9001:2015 Certification by DNV and API
Inspection Test Certificate meet the EN 10204 3.1

TEST RESULT
Pass

YOKE INDUSTRIAL CORP.

Jason Yu

Dated: May 14, 2019

Qualification: QA Manager

YOKE INDUSTRIAL CORP.
#39,33rd Road, Taichung Industrial Park,
TAICHUNG 407, TAIWAN
TEL:+886-4-2350 8088
FAX:+886-4-2350 1001

Safety is our first priority™

061396

IMB52628

Test Certificate

80062821-000450

TO: WILLIAM HACKETT LIFTING PRODUCTS,LTD
Oak Drive,
Lionheart Enterprise Park,
Alnwick, Northumberland, NE66 2EU,
United Kingdom
Tel: 44-1665604200

Invoice NO: 90064302

Description: ITEM: DA-808-19
DA Bolt Pin Anchor Shackle, 3/4"
(Your PO no. 601644)
Batch No : AAA/AA
Quantity : 1,142 PC

C	Si	Mn	P	S	Cr	Mo	Ni	Fe
0.38~0.43	0.15~0.35	0.60~1.00	<0.035	<0.040	0.90~1.00	0.15~0.30	<0.1%	other

Material :	Alloy Steel	Proof Load Test 100% :	93kN
Mini. Breaking Load :	373kN	Fatigue Rate 20000 cycle :	70kN
Magnetic Flux Crack Tested :	100% of above quantity	Impact Test (-40℃) :	42J
Working Load Limit :	4.75tonnes		

TESTING ACCORDING TO EN 13889、RR-C-271F、DNVGL-ST-E273、EN 12079-2、IMO/MSC Circular 860
ISO 9001:2015 Certification by DNVGL and API
Inspection Test Certificate meet the EN 10204 3.1
These shackle have been designed, approved and tested in accordance with
DNVGL-ST-E271 Offshore Containers
This certificate is based on DNVGL type approval NO. S-8059

TEST RESULT
Pass

YOKE INDUSTRIAL CORP.
Jason Yu
Dated: September 30, 2019
Qualification: QA Manager

IML52690

TUSK LIFTING

REPORT OF THOROUGH EXAMINATION OF LIFTING EQUIPMENT

IN ACCORDANCE WITH LIFTING OPERATIONS AND LIFTING EQUIPMENT REGULATIONS 1998

ALL ITEMS ON THIS REPORT ARE SAFE TO USE

NAME & ADDRESS OF COMPANY FOR WHOM THE EXAMINATION WAS MADE	ADDRESS OF THE PREMISES WHERE THE EXAMINATION WAS MADE		
Gates Engineering & Services UK Ltd Bassington Drive Bassington Industrial Estate Cramlington NE23 8AS	Tusk Lifting Ltd 49D Sadler Forster Way Teesside Industrial Estate Stockton-On-Tees TS17 9JY	DATE OF REPORT	21/01/2020
		REPORT NO	13586
		CUSTOMER REFERENCE	052690
		CONTRACT NO.	0000059627

QTY	ID NO.	DESCRIPTION OF EQUIPMENT INCLUDING MANUFACTURER AND DATE OF MANUFACTURE	SWL / WLL	EWL	EXAM REASON (SEE BELOW)	TEST APPLIED	LATEST DATE OF NEXT THOROUGH EXAMINATION
30.00	IMK52690/01 - IMK52690/30	3.6T Safety Clamp CS Galv - 195MM Material CERT : GI9268	3.6 TONNE	-	B	PROOF LOAD	21/07/2020
20.00	IML52690/01 - IML52690/20	3.6T Safety Clamp CS Galv - 195MM Material CERT : GI9268	3.6 TONNE	-	B	PROOF LOAD	21/07/2020

REASON FOR EXAMINATION: **A** - NEW INSTALLATION OR NEW LOCATION; **B** - WITHIN 6 MONTHS; **C** - WITHIN 12 MONTHS; **D** - WRITTEN SCHEME; **E** - EXCEPTIONAL CIRCUMSTANCES.

NAME AND QUALIFICATION OF PERSON MAKING THE REPORT

Jimmy Joyce, Company Approved Examiner

SIGNATURE

NAME OF THE PERSON AUTHENTICATING THE REPORT

Julie Montgomery, Planner

SIGNATURE

DATE OF THOROUGH EXAMINATION **21/01/2020**

OPERATING INSTRUCTIONS CAN BE FOUND ON OUR WEBSITE, HTTP://WWW.TUSKLIFTING.CO.UK
THE ORIGINAL MANUFACTURERS EC DECLARATION OF CONFORMITY IS HELD ON FILE AT OUR PREMISES AND IS AVAILABLE UPON REQUEST

Tusk Lifting Ltd.
49D Sadler Forster Way. Teesside Industrial Estate.
Stockton On Tees. TS17 9JY

T. 01642 915330
E. teesside@tusklifting.co.uk
W. tusklifting.co.uk

VAT. GB258876247
REG. 10497383

MAMMOET

LEEA Full Member

IML52690

CELSA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
CF24 5NN Cardiff (United Kingdom)

CELSA GROUP

CELSA MANUFACTURING UK

CE UK MADE

LRV ID N: 0038
06
Cert No: 0038/CPR/LRQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

INSPECTION CERTIFICATE
BS-EN 10204-2004, TYPE 3.1

Standard
BS-EN 10025-2004

Customer:
CARTER STEEL LTD
YARM ROAD, STOCKTON
TS18 3SA STOCKTON
United Kingdom

Destination:
CARTER STEEL LTD
YARM ROAD, STOCKTON
TS18 3SA STOCKTON
United Kingdom

Delivery number: 2550169238
Order number : 15705941
Your order : 11049

MATERIAL Hot rolled structural steel products	CAST	C %	MN %	SI %	S %	P %	Cr %	N %	Ni %	Cu %	Mo %	V %	CE %	Reh MPA	Rm MPA	A 5.65 %	T °C	Impact 1 J	Impact 2 J	Impact 3 J	Impact Avg. J
S275 JR+AR FL130X10 L.6m	CM124288	0.10	0.53	0.14	0.026	0.020	0.117	0.010	0.14	0.55	0.021	0.001	0.260	328	464	34.8					
S275 JR+AR FL130X10 L.6m	CM124288	0.10	0.53	0.14	0.026	0.020	0.117	0.010	0.14	0.55	0.021	0.001	0.260	325	467	35.3					
S275 JR+AR FL130X10 L.6m	CM124288	0.10	0.53	0.14	0.026	0.020	0.117	0.010	0.14	0.55	0.021	0.001	0.260	329	465	35.2					
S275 JR+AR FL130X10 L.6m	CM124288	0.10	0.53	0.14	0.026	0.020	0.117	0.010	0.14	0.55	0.021	0.001	0.260	323	465	35.2					
S275 JR+AR FL130X12 L.6m	CM124207	0.10	0.56	0.16	0.035	0.022	0.124	0.009	0.14	0.47	0.021	0.001	0.259	317	452	33.8					
S275 JR+AR FL130X12 L.6m	CM124207	0.10	0.56	0.16	0.035	0.022	0.124	0.009	0.14	0.47	0.021	0.001	0.259	323	451	33.8					
S275 JR+AR FL150X12 L.6m	CM127200	0.10	0.54	0.15	0.023	0.018	0.086	0.010	0.11	0.44	0.014	0.002	0.250	313	448	32.5					
S275 JR+AR FL150X12 L.6m	CM127200	0.10	0.54	0.15	0.023	0.018	0.086	0.010	0.11	0.44	0.014	0.002	0.250	308	450	32.0					
S275 JR+AR FL150X6 L.6m	CM127310	0.11	0.57	0.15	0.023	0.019	0.105	0.008	0.10	0.40	0.015	0.001	0.260	298	462	37.6					
S275 JR+AR FL150X6 L.6m	CM127310	0.11	0.57	0.15	0.023	0.019	0.105	0.008	0.10	0.40	0.015	0.001	0.260	319	459	32.5					
S275 JR+AR FL150X6 L.6m	CM127310	0.11	0.57	0.15	0.023	0.019	0.105	0.008	0.10	0.40	0.015	0.001	0.260	318	457	37.5					
S275 JR+AR FL50X15 L.6m	CM124647	0.08	0.53	0.14	0.023	0.020	0.097	0.012	0.20	0.52	0.021	0.001	0.244	320	448	33.2					
S275 JR+AR FL50X15 L.6m	CM124647	0.08	0.53	0.14	0.023	0.020	0.097	0.012	0.20	0.52	0.021	0.001	0.244	329	447	33.8					
S275 JR+AR FL50X15 L.6m	CM124647	0.08	0.53	0.14	0.023	0.020	0.097	0.012	0.20	0.52	0.021	0.001	0.244	326	448	33.9					
S275 JR+AR FL50X15 L.6m	CM124647	0.08	0.53	0.14	0.023	0.020	0.097	0.012	0.20	0.52	0.021	0.001	0.244	322	447	33.5					

Red. X

The materials has been evaluated and radiation is within national limits
Product suitable for galvanizing: 0.14<=Si<=0.25 & P<=0.035.

Steel making process :
Electric arc

Certified that the material detailed hereon meets the requirements of the specified standard.

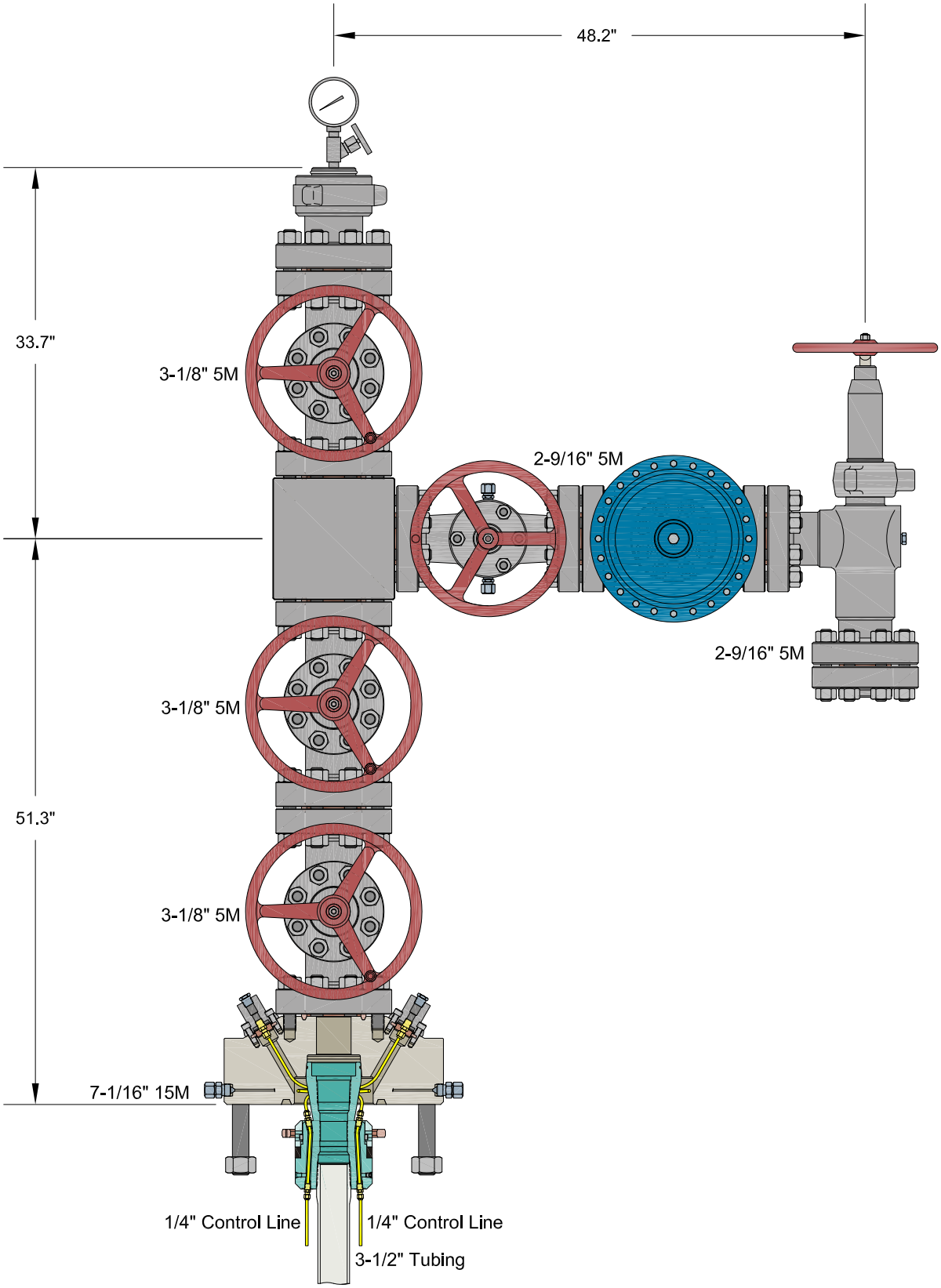
Cardiff, 20.08.2019

Stuart Thomas
Quality Manager

THIS IS A VERIFIED TRUE COPY OF AN ORIGINAL HELD BY CARTER STEEL LTD

CARTER STEEL LTD
DATE 21.8.2019
ORDER No 11049
CHECKED BY:

PAGE: 1 2



ALL DIMENSIONS APPROXIMATE

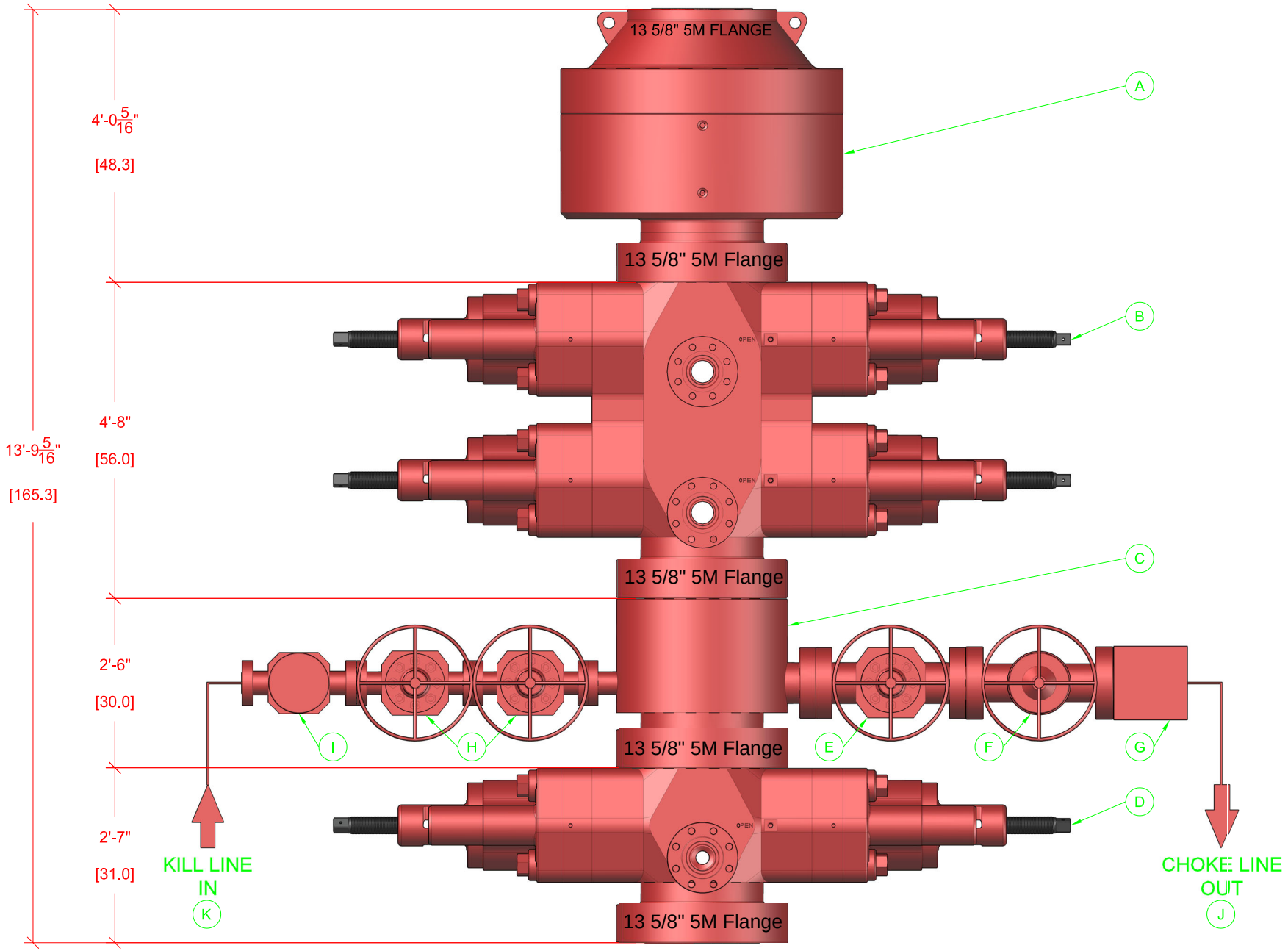
CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 15M x 3-1/8" x 2-9/16" 5M Production Tree Assembly
With 7-1/16" 15M x 3-1/8" 5M T40-CCL Tubing Head Adapter
And 7-1/16" x 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	01SEP23
APPRV		

DRAWING NO. HBE0001017



BOP EQUIPMENT INFORMATION

QTY	DESCRIPTION	MODEL
1	ANNULAR BOP	13 5/8" 5M
1	DOUBLE RAM BOP	13 5/8" 5M TYPE-U
1	MUD CROSS	13 5/8" 5M
1	SINGLE RAM BOP	13 5/8" 5M TYPE-U
1	GATE VALVE	4 1/16" 5M FC MANUAL

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 354679

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 354679
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	7/1/2024
pkautz	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	7/1/2024
pkautz	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	7/1/2024
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	7/1/2024
pkautz	If cement does not circulate on any string, a CBL is required for that string of casing	7/1/2024