

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER		5. Lease Serial No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-025-53121
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)		
1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).		4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be requested by the BLM.
25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		Office
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.		

(Continued on page 2)

*(Instructions on page 2)



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 30-025-53121	² Pool Code 96603	³ Pool Name Triste Draw; Bone Spring
⁴ Property Code 336010	⁵ Property Name TRISTE DRAW 36-25 FEDERAL COM	⁶ Well Number 352H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3656.8'

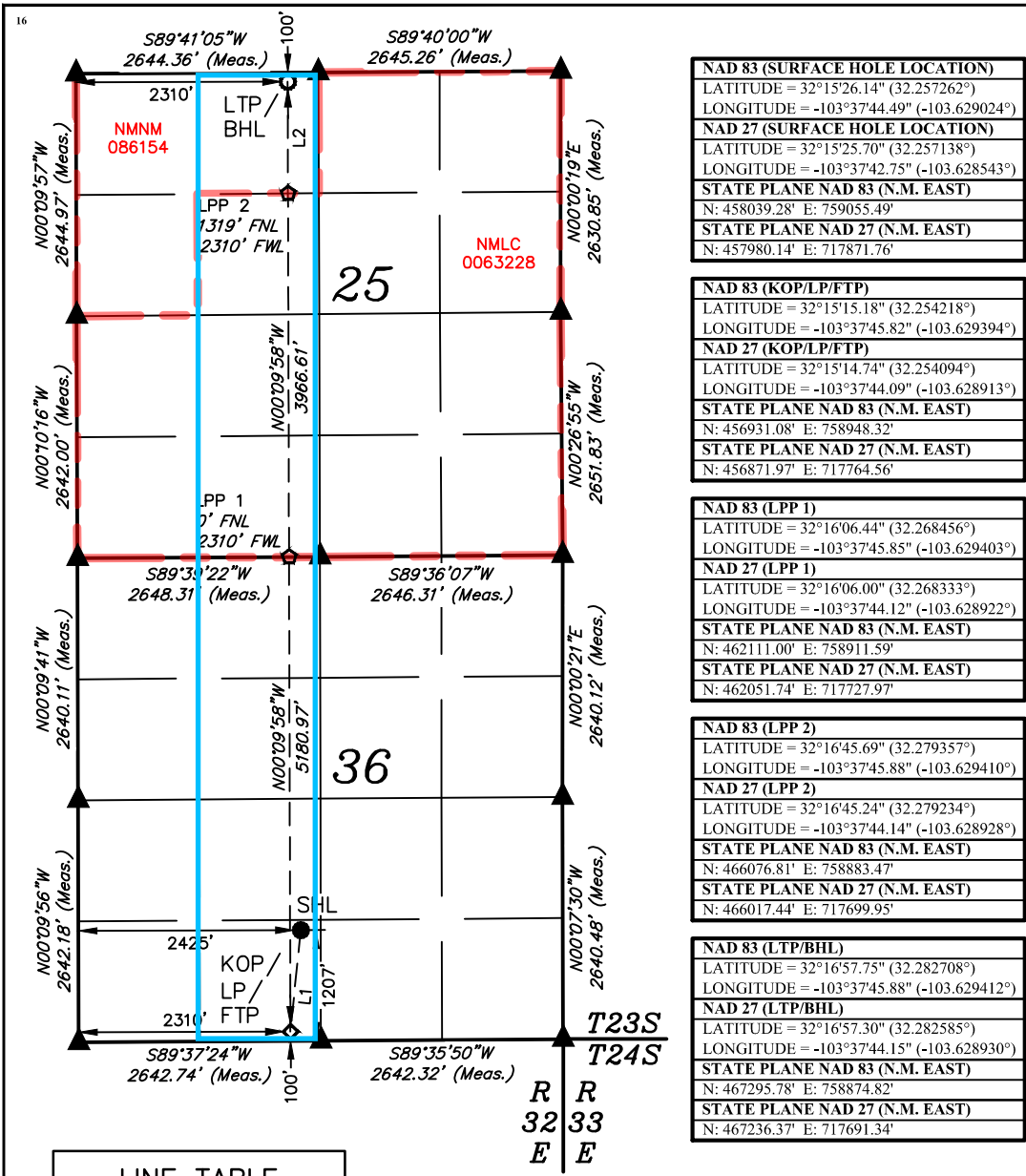
¹⁰ Surface Location

UL or lot no. N	Section 36	Township 23S	Range 32E	Lot Idn	Feet from the 1207	North/South line SOUTH	Feet from the 2425	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 25	Township 23S	Range 32E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2310	East/West line WEST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



¹⁷ OPERATOR
CERTIFICATION

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

Shelly Bowen 09/23/23
Signature Date

Shelly Bowen
Printed Name

shelly.bowen@coterra.com
E-mail Address

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'26.14" (32.257262°)
LONGITUDE = -103°37'44.49" (-103.629024°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'25.70" (32.257138°)
LONGITUDE = -103°37'42.75" (-103.628543°)
STATE PLANE NAD 83 (N.M. EAST)
N: 458039.28' E: 759055.49'
STATE PLANE NAD 27 (N.M. EAST)
N: 457980.14' E: 717871.76'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'15.18" (32.254218°)
LONGITUDE = -103°37'45.82" (-103.629394°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'14.74" (32.254094°)
LONGITUDE = -103°37'44.09" (-103.628913°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456931.08' E: 758948.32'
STATE PLANE NAD 27 (N.M. EAST)
N: 456871.97' E: 717764.56'

NAD 83 (LPP 1)
LATITUDE = 32°16'06.44" (32.268456°)
LONGITUDE = -103°37'45.85" (-103.629403°)
NAD 27 (LPP 1)
LATITUDE = 32°16'06.00" (32.268333°)
LONGITUDE = -103°37'44.12" (-103.628922°)
STATE PLANE NAD 83 (N.M. EAST)
N: 462111.00' E: 758911.59'
STATE PLANE NAD 27 (N.M. EAST)
N: 462051.74' E: 717727.97'

NAD 83 (LPP 2)
LATITUDE = 32°16'45.69" (32.279357°)
LONGITUDE = -103°37'45.88" (-103.629410°)
NAD 27 (LPP 2)
LATITUDE = 32°16'45.24" (32.279234°)
LONGITUDE = -103°37'44.14" (-103.628928°)
STATE PLANE NAD 83 (N.M. EAST)
N: 466076.81' E: 758883.47'
STATE PLANE NAD 27 (N.M. EAST)
N: 466017.44' E: 717699.95'

NAD 83 (LTP/BHL)
LATITUDE = 32°16'57.75" (32.282708°)
LONGITUDE = -103°37'45.88" (-103.629412°)
NAD 27 (LTP/BHL)
LATITUDE = 32°16'57.30" (32.282585°)
LONGITUDE = -103°37'44.15" (-103.628930°)
STATE PLANE NAD 83 (N.M. EAST)
N: 467295.78' E: 758874.82'
STATE PLANE NAD 27 (N.M. EAST)
N: 467236.37' E: 717691.34'

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:



S C A L E

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	352H	N, Sec 36 T23S, R32E	1207 FSL/2425	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	352H	7/15/2025	8/28/2025	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: 
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

Pilot Hole TD N/A

MD at TD 22,347

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	N/A	
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	Hydrocarbons	
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	1.33	3.10	5.21
12 1/4	0	5112	5067	9-5/8"	40.00	HCK-55	LT&C	1.45	1.50	2.77
8 3/4	0	11640	11640	7"						
8 3/4	11640	12390	12100	7"	29.00	P-110	BT&C	1.51	1.98	69.64
6	11140	22347	12150	4-1/2"	11.60	P-110	BT&C	1.26	1.78	31.32
BLM Minimum Safety Factor								1.125	1	1.6 Dry 1.8 Wet

TVD was used on all calculations.

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

Cimarex Energy Co., Triste Draw 36-25 Federal Com 352H

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

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	640	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	171	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	963	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	414	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	739	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4912	25
Completion System	12190	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 5112'	Brine Water	9.50 - 10.00	30-32	N/C
5112' to 12390'	Cut Brine or OBM	8.50 - 9.00	27-70	N/C
12773' to 22347'	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 from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
X	No logs are planned based on well control or offset log information.
	Drill stem test?
	Coring?

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

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	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	H ₂ S is present
X	H ₂ S plan is attached

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

1. The multi-bowl wellhead will be installed by a vendor representative. A copy of the installation instructions has been sent to the BLM field office.
2. A packoff will be installed after running and cementing the production casing. This packoff will be tested to 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 352H Rev0 mdv 19Oct23 Proposal
Geodetic Report



Def Plan

Report Date: October 23, 2023 - 08:35 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slot: Coterra Triste Draw 36-25 Fed Com E2W2 Pad / 352H
Well: Triste Draw 36-25 Federal Com 352H
Borehole: Triste Draw 36-25 Federal Com 352H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdv 19Oct23
Survey Date: October 23, 2023
Tort / AHD / DDI / ERD Ratio: 114.136' / 11483.729 ft / 6.382 / 0.945
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'26.14244"N , 103°37'44.48719"W
Location Grid N/E Y/X: N 458039.280 RUS , E 759055.490 RUS
CRS Grid Convergence Angle: 0.376°
Grid Scale Factor: 0.99996338
Version / Patch: 2023.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.590° (GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3679.800 ft above MSL
Seabed / Ground Elevation: 3656.800 ft above MSL
Magnetic Declination: 6.242°
Total Gravity Field Strength: 986.4377mgN (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47454.878 nT
Magnetic Dip Angle: 59.802°
Declination Date: September 29, 2023
Magnetic Declination Model: HOGM 2023
North Reference: Grid North
Grid Convergence Used: 0.376°
Total Corr Mag North-Grid North: 5.866°
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, 2425' FWL]	0.00	0.00	178.96	0.00	-3.679.80	0.00	0.00	0.00		458,039.28	759,055.49	32.25726179	-103.62902422
Nudge, Build 2"/100ft	1,800.00	0.00	178.96	1,800.00	-1,879.80	0.00	0.00	0.00	0.00	458,039.28	759,055.49	32.25726179	-103.62902422
Hold	2,300.22	10.00	178.96	2,297.89	-1,382.11	-43.56	-43.55	0.79	2.00	457,995.73	759,056.28	32.25714206	-103.62902260
Drop 2"/100ft	8,170.76	10.00	178.96	8,078.95	-4,399.15	-1,063.36	-1,063.25	19.21	0.00	456,976.08	759,074.70	32.25433903	-103.62898464
Hold	8,670.98	0.00	178.96	8,576.64	-4,896.84	-1,106.91	-1,106.80	20.00	2.00	456,932.52	759,075.49	32.25421930	-103.62898302
KOP, Build 10"/100ft	11,640.98	0.00	178.96	11,546.64	-7,866.84	-1,106.91	-1,106.80	20.00	0.00	456,932.52	759,075.49	32.25421930	-103.62898302
Build/Turn 5"/100ft	12,390.98	75.00	347.61	12,100.07	-8,420.27	-691.50	-692.03	-71.12	10.00	457,347.28	758,984.37	32.25536099	-103.62926894
Landing Point	12,773.19	90.00	359.59	12,150.00	-8,470.20	-316.34	-317.15	-112.48	5.00	457,722.14	758,943.02	32.25639211	-103.62939477
Triste Draw 36-25 Federal Com 352H LPP1	17,162.33	90.00	359.59	12,150.00	-8,470.20	-4,072.80	-4,071.88	-143.91	0.00	462,111.00	758,911.59	32.26845625	-103.62940332
Triste Draw 36-25 Federal Com 352H LPP2	21,128.39	90.00	359.60	12,150.00	-8,470.20	-8,038.87	-8,037.84	-172.03	0.00	466,076.81	758,883.47	32.27935748	-103.62941012
Triste Draw 36-25 Federal Com 352H BHL [100' FNL, 2310' FWL]	22,347.44	90.00	359.59	12,150.00	-8,470.20	-9,257.91	-9,256.86	-180.68	0.00	467,295.78	758,874.82	32.28270819	-103.62941223

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,362.600	1/100,000' ± 5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Triste Draw 36-25 Federal Com 352H / Coterra Tris
	1	10,362.600	19,511.579	1/100,000	8.75 – 6	7 – 4.5		A008Mb_MWD+IFR1+MS		Triste Draw 36-25 Federal Com 352H / Coterra Tris

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,188.800	17.500	13.375	
4,814.571	12.250	9.625	
12,200.800	8.750	7.000	
22,347.442	6.000	4.500	



Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdv 19Oct23 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2023 - 08:34 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra Triste Draw 36-25 Fed Com E2W2 Pad
Slot: 352H
Well: Triste Draw 36-25 Federal Com 352H
Borehole: Triste Draw 36-25 Federal Com 352H
Scan MD Range: 0.00ft ~ 22347.44ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdv 19Oct23 (Def Plan)
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2023.1.0.1
Database 1 Project: Triste Draw 36-25 Federal Com 352H-COTERRA

Trajectory Error Model: ISCSWA0 3 - D 95 % Confidence 2.7955 sigma

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 10000ft
Selection filters: Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
- All Non-Def Surveys when no Def-Survey is set in a borehole - All Non-Def Plans when no Def-Plan is set in a borehole
50 out of 51 are selected

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

Results highlighted in red: Sep-Factor <= 1.5

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

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

Fail Major

2734.19	32.81	2732.21	2701.39	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
2734.11	32.81	2732.12	2701.31	225260.43	MAS = 10.00 (m)	10.00	10.00					MinPt-SF
2734.06	32.81	2732.08	2701.26	432979.36	MAS = 10.00 (m)	23.00	23.00					WRP
2734.06	840.48	2173.08	1893.58	4.89	OSF1.50	480.00	480.00	OSF<5.00				Enter Alert
2734.06	2749.79	900.28	-15.72	1.49	OSF1.50	1400.00	1400.00		OSF<1.50			Enter Minor
2734.06	3580.01	346.80	-845.95	1.15	OSF1.50	1800.00	1800.00					MinPt-CtCt
2743.20	4118.92	-3.33	-1375.72	1.00	OSF1.50	2060.00	2059.64					Enter Major
3188.57	10703.54	-3947.66	-7514.97	0.45	OSF1.50	5280.00	5232.15					MinPts
5107.13	7670.37	-6.98	-2593.24	1.00	OSF1.50	8890.00	8795.66					Exit Major
6254.82	6263.45	2078.65	-8.63	1.50	OSF1.50	10400.00	10305.66					Exit Minor
7108.41	2469.75	5461.41	4638.66	4.32	OSF1.50	15190.00	12150.00		OSF>1.50			MinPt-CtCt
8424.77	6114.21	4348.13	2310.56	2.07	OSF1.50	19710.00	12150.00					MinPt-EOU
9194.59	7055.63	4490.33	2138.95	1.95	OSF1.50	21020.00	12150.00					MinPt-ADP
9783.33	7573.31	4733.95	2210.01	1.94	OSF1.50	21910.00	12150.00					MinPt-SF
10088.89	7795.73	4891.23	2293.16	1.94	OSF1.50	22347.44	12150.00					TD

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

Fail Major

2980.86	32.81	2978.88	2948.05	N/A	MAS = 10.00 (m)	0.00	0.00					Surface
2980.85	32.81	2978.87	2948.04	#####	MAS = 10.00 (m)	10.00	10.00					MinPts
2980.85	32.81	2978.87	2948.04	#####	MAS = 10.00 (m)	23.00	23.00					WRP
2981.37	909.20	2374.58	2072.17	4.93	OSF1.50	560.00	560.00	OSF<5.00				Enter Alert
2985.11	3004.24	981.70	-19.13	1.49	OSF1.50	1580.00	1580.00		OSF<1.50			Enter Minor
2976.03	4478.33	-10.11	-1502.31	1.00	OSF1.50	2300.00	2297.47					Enter Major
2890.05	11957.84	-5082.39	-9057.79	0.36	OSF1.50	5991.16	5932.50					MinPt-CtCt
2987.84	21284.78	-11202.55	-18296.94	0.21	OSF1.50	10600.00	10505.66					MinPts
2990.71	21285.98	-11200.48	-18295.27	0.21	OSF1.50	10700.00	10605.66					MinPts
3019.31	21218.58	-11126.88	-18199.19	0.21	OSF1.50	11160.00	11065.66					MinPt-EOU
3020.26	21219.64	-11126.70	-18199.38	0.21	OSF1.50	11170.00	11075.66					MinPt-ADP
3023.09	21229.63	-11130.54	-18206.64	0.21	OSF1.50	11200.00	11105.66					MinPts
3093.99	19965.10	-10216.57	-16871.11	0.23	OSF1.50	12690.00	12147.61					MinPt-SF
3093.54	19961.38	-10214.54	-16867.84	0.23	OSF1.50	12730.00	12149.36					MinPt-CtCt
3094.61	19962.59	-10214.28	-16867.98	0.23	OSF1.50	12810.00	12150.00					MinPt-EOU
3095.07	19963.12	-10214.17	-16868.05	0.23	OSF1.50	12830.00	12150.00					MinPt-ADP
3094.38	19922.16	-10187.56	-16827.78	0.23	OSF1.50	13220.00	12150.00					MinPt-ADP
3093.45	19920.98	-10187.67	-16827.48	0.23	OSF1.50	13250.00	12150.00					MinPt-EOU
3088.12	19914.53	-10188.73	-16826.41	0.23	OSF1.50	13460.00	12150.00					MinPt-ADP
3087.94	19914.31	-10188.75	-16826.37	0.23	OSF1.50	13470.00	12150.00					MinPt-EOU
3086.59	19909.40	-10186.84	-16822.81	0.23	OSF1.50	13570.00	12150.00					MinPt-SF
3086.22	19903.75	-10183.45	-16817.53	0.23	OSF1.50	13660.00	12150.00					MinPt-CtCt
3084.56	19902.72	-10184.42	-16818.16	0.23	OSF1.50	13940.00	12150.00					MinPt-CtCt
3084.63	19903.58	-10184.92	-16818.95	0.23	OSF1.50	13980.00	12150.00					MinPt-SF
3085.34	19905.98	-10185.78	-16820.60	0.23	OSF1.50	14080.00	12150.00					MinPt-EOU
3085.43	19906.07	-10185.78	-16820.64	0.23	OSF1.50	14090.00	12150.00					MinPt-ADP
3085.01	19903.46	-10184.46	-16818.45	0.23	OSF1.50	14150.00	12150.00					MinPt-SF
3064.68	19880.88	-10189.74	-16816.20	0.23	OSF1.50	14730.00	12150.00					MinPt-ADP
3064.48	19880.67	-10189.80	-16816.19	0.23	OSF1.50	14740.00	12150.00					MinPt-EOU
3054.36	19875.40	-10196.41	-16821.04	0.23	OSF1.50	15130.00	12150.00					MinPt-ADP
3054.24	19875.26	-10196.43	-16821.02	0.23	OSF1.50	15140.00	12150.00					MinPt-EOU
3054.15	19875.12	-10196.43	-16820.97	0.23	OSF1.50	15150.00	12150.00					MinPt-SF
3036.62	19881.68	-10218.33	-16845.06	0.23	OSF1.50	15840.00	12150.00					MinPt-CtCt
3036.72	19883.10	-10219.18	-16846.38	0.23	OSF1.50	15880.00	12150.00					MinPt-SF
3037.80	19886.06	-10220.07	-16848.26	0.23	OSF1.50	15980.00	12150.00					MinPt-EOU
3037.98	19886.25	-10220.03	-16848.28	0.23	OSF1.50	15990.00	12150.00					MinPt-ADP
3039.04	19892.19	-10222.92	-16853.14	0.23	OSF1.50	16150.00	12150.00					MinPt-SF
3039.46	19893.71	-10223.51	-16854.25	0.23	OSF1.50	16220.00	12150.00					MinPts
3033.39	19881.44	-10221.40	-16848.05	0.23	OSF1.50	16310.00	12150.00					MinPt-ADP
3028.29	19875.01	-10222.22	-16846.72	0.23	OSF1.50	16390.00	12150.00					MinPt-EOU
3015.41	19853.40	-10220.69	-16837.99	0.23	OSF1.50	16710.00	12150.00					MinPt-CtCt
3015.42	19853.61	-10220.82	-16838.19	0.23	OSF1.50	16720.00	12150.00					MinPt-SF
3017.71	19858.08	-10221.51	-16840.37	0.23	OSF1.50	16830.00	12150.00					MinPt-EOU
3088.45	19935.92	-10202.67	-16847.45	0.23	OSF1.50	17380.00	12150.00					MinPt-ADP
6391.34	21006.93	-7613.78	-14615.59	0.46	OSF1.50	22347.44	12150.00					TD

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

Fail Major

5479.75	32.81	5470.02	5446.94	706.93	MAS = 10.00 (m)	0.00	0.00					Surface
5479.75	37.47	5454.11	5442.28	231.51	OSF1.50	23.00	23.00					WRP
5479.75	1656.78	4374.57	3822.97	4.97	OSF1.50	880.00	880.00	OSF<5.00				Enter Alert
5479.75	3566.08	3101.77	1913.66	2.31	OSF1.50	1800.00	1800.00					MinPt-CtCt
5599.44	5600.17	1865.41	-0.72	1.50	OSF1.50	2790.00	2780.01		OSF<1.50			Enter Minor
5852.85	8788.82	-6.95	-2935.97	1.00	OSF1.50	4350.00	4316.29					Enter Major
5998.11	10593.39	-1064.69	-4596.28	0.88	OSF1.50	5240.00	5192.76					MinPts
6996.68	10046.52	-1.53	-3349.83	1.00	OSF1.50	7390.00	7310.07					Exit Major
8309.21	8314.18	2765.88	-4.97	1.50	OSF1.50	10430.00	10335.66		OSF>1.50			Exit Minor
8453.03	6005.30	4448.99	2447.73	2.11	OSF1.50	13790.00	12150.00					MinPt-EOU
7237.62	2889.94	5310.49	4347.68	3.76	OSF1.50	18160.00	12150.00					MinPt-CtCt
8363.27	5870.92	4448.83	2492.35	2.14	OSF1.50	22347.44	12150.00					MinPts

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
Coterra Triste Draw 36-25 Federal Com 402H 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	18.72	3.74	N/A		MAS = 4.96 (m)	23.00	23.00				WRP	
20.00	16.76	8.41	3.25	1.82		OSF1.50	1090.00	1090.00				MinPts	
20.00	20.05	6.31	-0.05	1.50		OSF1.50	1330.00	1330.00	OSF<1.50			Enter Minor	
20.00	27.12	1.59	-7.12	1.09		OSF1.50	1800.00	1800.00				MinPt-CtCt	
20.25	27.83	1.37	-7.58	1.08		OSF1.50	1850.00	1850.00				MinPts	
20.49	28.11	1.42	-7.62	1.08		OSF1.50	1870.00	1869.99	OSF>1.50			MinPt-ADP	
31.69	31.81	10.16	-0.12	1.49		OSF1.50	2140.00	2139.20				Exit Minor	
184.40	56.04	146.72	128.37	5.00		OSF1.50	3640.00	3617.09		OSF>5.00			Exit Alert
676.33	142.89	580.74	533.44	7.14		OSF1.50	8400.00	8306.06				MinPt-SF	
705.30	149.43	605.35	555.87	7.12		OSF1.50	8820.00	8725.66				MinPt-SF	
769.86	170.54	655.84	599.32	6.80		OSF1.50	12050.00	11921.79	OSF<5.00			MinPt-SF	
722.89	217.59	577.51	505.30	5.00		OSF1.50	16460.00	12150.00				Enter Alert	
722.77	281.58	534.72	441.19	3.86		OSF1.50	19120.00	12150.00				MinPt-CtCt	
722.84	371.01	475.17	351.83	2.93		OSF1.50	22340.00	12150.00				MinPt-CtCt	
722.84	371.17	475.07	351.67	2.93		OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 302H 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	25034.53		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	OSF<5.00			MinPt-EOU	
116.60	32.81	98.19	83.79	6.63		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
116.83	32.81	97.93	84.02	6.47		MAS = 10.00 (m)	1850.00	1850.00				MinPt-EOU	
139.06	42.43	110.44	96.62	5.00		OSF1.50	2860.00	2848.95	OSF<5.00			Enter Alert	
143.24	143.29	47.39	-0.04	1.50		OSF1.50	8560.00	8465.69				Enter Minor	
127.16	154.71	23.69	-27.55	1.23		OSF1.50	9100.00	9005.66		OSF<1.50			MinPt-CtCt
127.18	170.65	13.08	-43.47	1.12		OSF1.50	10880.00	10785.66				MinPt-CtCt	
127.18	170.66	13.08	-43.48	1.12		OSF1.50	10890.00	10795.66				MinPts	
157.27	159.58	50.56	-2.31	1.48		OSF1.50	11190.00	11095.66	OSF>1.50			Exit Minor	
398.86	121.84	317.30	277.01	4.94		OSF1.50	11610.00	11515.66				Exit Alert	
801.30	241.19	640.18	560.11	5.00		OSF1.50	18660.00	12150.00		OSF<5.00			Enter Alert
801.30	335.55	577.27	465.75	3.59		OSF1.50	21750.00	12150.00				MinPt-CtCt	
801.30	354.27	564.79	447.03	3.40		OSF1.50	22347.44	12150.00				MinPts	
30-025-08122 - FEDERAL JAMES 4 - Blind to 5211ft - P&A (DefinitiveSurvey)													Fail Minor
6650.09	32.81	6636.21	6617.28	558.68		MAS = 10.00 (m)	0.00	0.00				Surface	
6650.09	43.70	6620.29	6606.39	239.04		OSF1.50	23.00	23.00	OSF<5.00			WRP	
6650.09	2011.10	5308.69	4638.98	4.96		OSF1.50	1000.00	1000.00				Enter Alert	
6650.09	3671.34	4201.94	2978.75	2.72		OSF1.50	1800.00	1800.00				MinPt-CtCt	
6859.05	6870.51	2278.12	-11.46	1.50		OSF1.50	3360.00	3341.35	OSF<1.50			Enter Minor	
7160.80	10713.10	18.20	-3552.29	1.00		OSF1.50	5240.00	5192.76				MinPts	
7162.42	10715.25	18.38	-3552.83	1.00		OSF1.50	5250.00	5202.61				MinPt-ADP	
9064.92	9074.19	3014.93	-9.26	1.50		OSF1.50	10110.00	10015.66	OSF>1.50			Exit Minor	
9235.87	7049.70	4535.56	2186.16	1.97		OSF1.50	13670.00	12150.00				MinPt-ADP	
8461.98	6102.77	4392.97	2359.21	2.08		OSF1.50	15110.00	12150.00				MinPt-EOU	
7437.70	3798.15	4905.10	3639.55	2.94		OSF1.50	19145.36	12150.00	OSF<5.00			MinPt-CtCt	
8097.69	5491.40	4436.26	2606.29	2.21		OSF1.50	22347.44	12150.00				MinPts	
30-025-20437 - WEHRLI-FEDERAL 1 - Blind to 5167ft - P&A (DefinitiveSurvey)													Fail Minor
8370.01	33.32	8347.14	8336.69	400.50		OSF1.50	0.00	0.00				Surface	
8370.01	57.19	8331.22	8312.82	227.35		OSF1.50	23.00	23.00	OSF<5.00			WRP	
8370.01	2527.26	6684.58	5842.75	4.97		OSF1.50	1280.00	1280.00				Enter Alert	
8370.01	3606.55	5965.05	4763.45	3.48		OSF1.50	1800.00	1800.00				MinPt-CtCt	
8764.45	8767.97	2918.55	-3.52	1.50		OSF1.50	4320.00	4286.75	OSF<1.50			Enter Minor	
8913.86	10511.40	1905.72	-1697.54	1.27		OSF1.50	5180.00	5133.67				MinPts	
9971.61	9973.66	3321.96	-2.05	1.50		OSF1.50	8370.00	8276.21		OSF>1.50			Exit Minor
9929.23	7431.26	4974.56	2497.97	2.00		OSF1.50	14440.00	12150.00				MinPt-SF	
9262.46	6854.26	4692.45	2408.20	2.03		OSF1.50	15420.00	12150.00				MinPt-ADP	
8494.87	5914.98	4551.05	2579.89	2.15		OSF1.50	16680.00	12150.00	OSF>5.00			MinPt-EOU	
7175.16	2161.77	5733.48	5013.39	4.98		OSF1.50	19990.00	12150.00				Exit Alert	
7023.20	234.42	6866.43	6788.79	45.22		OSF1.50	21458.85	12150.00				MinPt-CtCt	
7079.19	1344.74	6182.20	5734.45	7.90		OSF1.50	22347.44	12150.00			MinPts		
30-025-25150 - FIELDS 3 - Blind to 5200ft - P&A (DefinitiveSurvey)													Fail Minor
7436.80	33.32	7413.92	7403.48	355.84		OSF1.50	0.00	0.00				Surface	
7436.80	57.19	7398.01	7379.61	202.00		OSF1.50	23.00	23.00	OSF<5.00			WRP	
7436.80	2236.68	5945.09	5200.12	4.99		OSF1.50	1140.00	1140.00				Enter Alert	
7436.80	3606.55	5031.84	3830.24	3.09		OSF1.50	1800.00	1800.00				MinPt-CtCt	
7741.86	7745.97	2577.29	-4.11	1.50		OSF1.50	3820.00	3794.35	OSF<1.50			Enter Minor	
7981.49	10579.90	927.68	-2598.41	1.13		OSF1.50	5210.00	5163.22				MinPts	
9502.27	9503.98	3165.75	-1.71	1.50		OSF1.50	9430.00	9335.66		OSF>1.50			Exit Minor
9882.32	7479.44	4895.52	2402.88	1.96		OSF1.50	13560.00	12150.00				MinPt-SF	
9242.74	6922.76	4627.06	2319.96	2.00		OSF1.50	14510.00	12150.00				MinPt-ADP	
8473.58	5981.45	4485.45	2492.13	2.13		OSF1.50	15790.00	12150.00	OSF>5.00			MinPt-EOU	
7137.13	2144.96	5706.66	4992.17	4.99		OSF1.50	19440.00	12150.00				Exit Alert	
7061.98	1520.69	6047.68	5541.29	6.97		OSF1.50	20473.02	12150.00				MinPt-CtCt	
7136.26	2143.62	5706.68	4992.65	5.00		OSF1.50	21500.00	12150.00	OSF<5.00			Enter Alert	
7306.51	3090.43	5245.73	4216.09	3.55		OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 351H 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	54621.32		MAS = 9.83 (m)	23.00	23.00				WRP	
39.99	32.25	28.40	7.74	3.75		MAS = 9.83 (m)	1090.00	1090.00				MinPt-EOU	
39.99	32.25	21.69	7.74	2.25		MAS = 9.83 (m)	1790.00	1790.00	OSF<5.00			MinPts	
40.12	32.25	21.43	7.87	2.21		MAS = 9.83 (m)	1830.00	1830.00				MinPt-EOU	
40.68	32.25	21.61	8.43	2.19		MAS = 9.83 (m)	1870.00	1869.99				MinPt-SF	
122.87	37.62	97.46	85.25	4.99		OSF1.50	2560.00	2553.51	OSF>5.00			Exit Alert	
1525.06	173.45	1409.10	1351.61	13.26		OSF1.50	11650.00	11555.66				MinPt-SF	
1319.76	316.53	1108.40	1003.21	6.27		OSF1.50	20220.00	12150.00				MinPt-CtCt	
1319.82	375.14	1069.40	944.68	5.29		OSF1.50	22340.00	12150.00	OSF<5.00			MinPt-CtCt	
1319.82	375.28	1069.31	944.54	5.29		OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 502H Rev0 mdv 19Oct23 (DefinitivePlan)													Warning Alert
53.14	32.81	51.85	20.33	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
53.14	32.81	51.85	20.33	20905.94		MAS = 10.00 (m)	23.00	23.00	OSF<5.00			WRP	
53.14	32.81	41.54	20.33	5.03		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
53.14	32.81	41.64	20.33	4.96		MAS = 10.00 (m)	1110.00	1110.00				Enter Alert	
53.14	32.81	36.83	20.33	3.40		MAS = 10.00 (m)	1590.00	1590.00	OSF<5.00			MinPts	
53.27	32.81	36.67	20.46	3.33		MAS = 10.00 (m)	1630.00	1630.00				MinPt-EOU	
54.82	32.81	3											

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	254.29	169.19	141.17	85.10	2.26	OSF1.50	11870.00	11769.61				MinPts	
	254.20	169.10	141.14	85.10	2.26	OSF1.50	11880.00	11778.79				MinPt-EOU	
	254.17	168.99	141.18	85.18	2.26	OSF1.50	11890.00	11787.89				MinPt-CtCt	
	516.39	157.34	411.17	359.06	4.94	OSF1.50	12470.00	12118.48	OSF<5.00			Exit Alert	
	849.30	255.67	678.53	593.63	5.00	OSF1.50	18950.00	12150.00	OSF<5.00			Enter Alert	
	849.30	339.69	622.51	509.61	3.76	OSF1.50	21740.00	12150.00				MinPt-CtCt	
	849.30	358.49	609.98	490.81	3.56	OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 401H Rev0 mdy 19Oct23 (DefinitivePlan)													Warning Alert
	60.00	32.81	58.71	27.19	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	60.00	32.81	58.71	27.19	27615.60	MAS = 10.00 (m)	23.00	23.00				WRP	
	60.00	32.81	48.40	27.19	5.69	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	60.00	32.81	47.20	27.19	5.00	MAS = 10.00 (m)	1240.00	1240.00	OSF<5.00			Enter Alert	
	60.00	32.81	41.69	27.19	3.41	MAS = 10.00 (m)	1790.00	1790.00				MinPts	
	60.14	32.81	41.44	27.33	3.34	MAS = 10.00 (m)	1830.00	1830.00				MinPt-EOU	
	61.54	32.81	42.19	28.73	3.30	MAS = 10.00 (m)	1900.00	1899.98				MinPt-SF	
	112.70	34.86	89.14	77.84	4.95	OSF1.50	2370.00	2366.40	OSF<5.00			Exit Alert	
	2104.99	174.47	1988.35	1930.52	18.19	OSF1.50	10270.00	10175.66				MinPt-SF	
	2001.43	307.69	1795.98	1693.74	9.78	OSF1.50	19880.00	12150.00				MinPt-CtCt	
	2001.49	375.38	1750.91	1626.11	8.01	OSF1.50	22340.00	12150.00				MinPt-CtCt	
	2001.50	375.48	1750.85	1626.02	8.01	OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 501H Rev0 mdy 19Oct23 (DefinitivePlan)													Warning Alert
	69.45	32.81	68.17	36.65	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	69.45	32.81	68.17	36.65	24048.57	MAS = 10.00 (m)	23.00	23.00				WRP	
	69.45	32.81	57.86	36.65	6.61	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	69.45	32.81	54.75	36.65	4.99	MAS = 10.00 (m)	1430.00	1430.00	OSF<5.00			Enter Alert	
	69.45	32.81	53.15	36.65	4.47	MAS = 10.00 (m)	1590.00	1590.00				MinPts	
	69.61	32.81	52.92	36.81	4.37	MAS = 10.00 (m)	1630.00	1630.00				MinPt-EOU	
	71.90	32.81	54.35	39.09	4.28	MAS = 10.00 (m)	1720.00	1720.00				MinPt-SF	
	98.00	32.81	77.55	65.19	4.98	MAS = 10.00 (m)	2050.00	2049.68	OSF<5.00			Exit Alert	
	1295.96	170.56	1181.93	1125.40	11.45	OSF1.50	12090.00	11951.09				MinPt-SF	
	1292.05	169.65	1178.63	1122.40	11.48	OSF1.50	12200.00	12021.09				MinPt-ADP	
	1291.97	169.56	1178.60	1122.41	11.49	OSF1.50	12210.00	12026.63				MinPt-EOU	
	1291.93	169.47	1178.63	1122.47	11.49	OSF1.50	12220.00	12032.01				MinPt-CtCt	
	1569.38	310.45	1362.06	1258.90	7.60	OSF1.50	20310.00	12150.00				MinPt-CtCt	
	1569.41	368.57	1323.37	1200.84	6.40	OSF1.50	22340.00	12150.00				MinPt-CtCt	
	1569.42	368.70	1323.29	1200.72	6.40	OSF1.50	22347.44	12150.00				MinPts	
30-025-40343 - Cimarex Triste Draw 36 State 4H Gyro+MWD Off to 15427ft MD (Offset) (DefinitiveSurvey)													Warning Alert
	3755.78	32.81	3753.72	3722.97	49106.41	MAS = 10.00 (m)	0.00	0.00				MinPts	
	3755.80	32.81	3753.65	3722.99	21500.09	MAS = 10.00 (m)	23.00	23.00				WRP	
	3755.99	32.81	3753.58	3723.18	8091.80	MAS = 10.00 (m)	80.00	80.00				MinPt-EOU	
	3753.14	32.81	3743.68	3720.33	501.52	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3752.40	32.81	3741.72	3719.60	420.35	MAS = 10.00 (m)	1300.00	1300.00				MinPts	
	3754.37	32.81	3740.09	3721.56	299.73	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
	473.96	146.37	375.84	327.59	4.89	OSF1.50	10690.00	10595.66	OSF<5.00			Enter Alert	
	290.35	182.88	165.72	107.47	2.42	OSF1.50	11064.61	10970.27				MinPts	
	290.40	183.02	165.58	107.38	2.42	OSF1.50	11070.00	10975.66				MinPts	
	474.57	156.07	364.44	318.51	4.97	OSF1.50	11440.00	11345.66	OSF>5.00			Exit Alert	
	1182.88	129.95	1090.40	1052.93	15.55	OSF1.50	13140.00	12150.00				MinPt-ADP	
	1182.78	129.83	1090.38	1052.94	15.56	OSF1.50	13160.00	12150.00				MinPt-EOU	
	1182.66	129.35	1090.60	1053.31	15.62	OSF1.50	13230.00	12150.00				MinPt-CtCt	
	1176.66	126.25	1086.64	1050.41	16.00	OSF1.50	13670.00	12150.00				MinPt-SF	
	1175.30	125.99	1085.47	1049.31	16.01	OSF1.50	13810.00	12150.00				MinPt-SF	
	1175.27	125.97	1085.46	1049.31	16.01	OSF1.50	13820.00	12150.00				MinPt-ADP	
	1174.93	125.74	1085.27	1049.19	16.04	OSF1.50	13940.00	12150.00				MinPts	
	1174.92	125.72	1085.28	1049.20	16.04	OSF1.50	13960.00	12150.00				MinPt-CtCt	
	1174.24	125.54	1084.72	1048.70	16.06	OSF1.50	14130.00	12150.00				MinPts	
	1173.71	125.66	1084.12	1048.06	16.03	OSF1.50	14250.00	12150.00				MinPt-CtCt	
	1173.72	125.70	1084.10	1048.02	16.03	OSF1.50	14260.00	12150.00				MinPts	
	1173.48	125.89	1083.73	1047.59	15.99	OSF1.50	14390.00	12150.00				MinPt-CtCt	
	1173.53	126.02	1083.69	1047.50	15.97	OSF1.50	14420.00	12150.00				MinPt-EOU	
	1173.61	126.12	1083.71	1047.49	15.96	OSF1.50	14440.00	12150.00				MinPt-ADP	
	1175.44	126.97	1085.01	1048.47	15.85	OSF1.50	14600.00	12150.00				MinPt-SF	
	1179.73	129.05	1087.93	1050.68	15.60	OSF1.50	14920.00	12150.00				MinPt-SF	
	1180.55	129.51	1088.42	1051.03	15.56	OSF1.50	15040.00	12150.00				MinPt-CtCt	
	1178.96	132.74	1084.73	1046.24	15.09	OSF1.50	15370.00	12150.00				MinPt-CtCt	
	1179.27	133.62	1084.46	1045.65	14.97	OSF1.50	15430.00	12150.00				MinPt-EOU	
	1179.54	133.93	1084.52	1045.61	14.94	OSF1.50	15450.00	12150.00				MinPt-ADP	
	1182.20	136.41	1085.54	1045.78	14.65	OSF1.50	15670.00	12150.00				MinPt-EOU	
	1182.47	136.75	1085.60	1045.72	14.61	OSF1.50	15690.00	12150.00				MinPt-ADP	
	1188.13	143.21	1086.94	1044.92	13.94	OSF1.50	16190.00	12150.00				MinPt-CtCt	
	1185.38	147.14	1081.54	1038.24	13.49	OSF1.50	16440.00	12150.00				MinPt-CtCt	
	1185.71	147.96	1081.33	1037.76	13.41	OSF1.50	16470.00	12150.00				MinPt-EOU	
	1185.94	148.23	1081.38	1037.71	13.38	OSF1.50	16480.00	12150.00				MinPt-ADP	
	1218.12	155.19	1109.12	1062.93	13.01	OSF1.50	16760.00	12150.00				MinPt-SF	
	5759.91	151.16	5657.67	5608.76	58.84	OSF1.50	22347.44	12150.00				TD	
30-025-40667 - Cimarex Triste Draw 36 State 5H Gyro+MWD Off to 13910ft MD (DefinitiveSurvey)													Warning Alert
	3765.36	32.81	3763.33	3732.56	63301.07	MAS = 10.00 (m)	0.00	0.00				Surface	
	3765.22	32.81	3763.10	3732.41	25726.00	MAS = 10.00 (m)	23.00	23.00				WRP	
	3756.99	32.81	3746.87	3724.18	461.46	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	3756.90	32.81	3746.63	3724.09	440.95	MAS = 10.00 (m)	1150.00	1150.00				MinPts	
	3756.91	32.81	3745.15	3724.11	375.41	MAS = 10.00 (m)	1380.00	1380.00				MinPts	
	3757.18	32.81	3744.89	3724.37	356.52	MAS = 10.00 (m)	1460.00	1460.00				MinPt-EOU	
	3757.24	32.81	3744.14	3724.43	331.27	MAS = 10.00 (m)	1580.00	1580.00				MinPts	
	3757.43	32.81	3742.77	3724.61	291.41	MAS = 10.00 (m)	1810.						

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
2349.29	126.00	2260.56	2223.29	31.34		OSF1.50	15030.00	12150.00				MinPt-ADP	
2350.15	126.77	2260.90	2223.38	31.13		OSF1.50	15110.00	12150.00				MinPt-ADP	
2358.98	129.75	2267.76	2229.24	30.44		OSF1.50	15400.00	12150.00				MinPt-SF	
2359.27	129.92	2267.92	2229.36	30.41		OSF1.50	15480.00	12150.00				MinPt-CtCt	
2359.64	130.98	2267.67	2228.65	30.13		OSF1.50	15550.00	12150.00				MinPt-EOU	
2360.00	131.45	2267.64	2228.56	30.01		OSF1.50	15580.00	12150.00				MinPt-ADP	
2364.24	134.59	2269.78	2229.64	29.27		OSF1.50	15800.00	12150.00				MinPt-SF	
2363.92	135.46	2268.87	2228.46	29.07		OSF1.50	15920.00	12150.00				MinPt-CtCt	
2364.65	137.51	2268.24	2227.14	28.59		OSF1.50	16040.00	12150.00				MinPt-EOU	
2364.77	137.67	2268.26	2227.11	28.56		OSF1.50	16050.00	12150.00				MinPts	
2363.30	139.82	2265.35	2223.48	28.05		OSF1.50	16210.00	12150.00				MinPt-CtCt	
2363.62	140.97	2264.91	2222.65	27.80		OSF1.50	16260.00	12150.00				MinPt-EOU	
2364.17	141.65	2265.01	2222.52	27.65		OSF1.50	16290.00	12150.00				MinPt-ADP	
2526.34	161.10	2414.51	2365.24	25.50		OSF1.50	17240.00	12150.00				MinPt-SF	
6192.90	176.24	6073.25	6016.66	54.66		OSF1.50	22347.44	12150.00				TD	
30-025-47637 - WILD SALSA FED COM 323H - MWD to 23192ft - A (DefinitiveSurvey)													Warning Alert
8860.81	32.81	8858.78	8828.00	167794.44		MAS = 10.00 (m)	0.00	0.00				MinPts	
8860.89	32.81	8858.80	8828.08	85099.48		MAS = 10.00 (m)	23.00	23.00				WRP	
8863.74	32.81	8850.93	8830.93	817.88		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
8859.47	32.81	8839.85	8826.66	495.84		MAS = 10.00 (m)	1820.00	1820.00				MinPts	
8859.62	32.81	8839.68	8826.81	487.38		MAS = 10.00 (m)	1850.00	1850.00				MinPt-EOU	
8930.61	40.60	8902.96	8890.01	344.81		OSF1.50	2500.00	2494.42				MinPt-ADP	
9837.50	160.77	9729.78	9676.73	92.70		OSF1.50	10450.00	10355.66				MinPt-CtCt	
9837.52	160.85	9729.75	9676.67	92.66		OSF1.50	10480.00	10385.66				MinPt-EOU	
9837.54	160.87	9729.75	9676.65	92.64		OSF1.50	10490.00	10395.66				MinPt-ADP	
9836.90	164.15	9726.93	9672.75	90.77		OSF1.50	10840.00	10745.66				MinPt-CtCt	
9836.86	165.25	9726.17	9671.63	90.16		OSF1.50	10960.00	10865.66				MinPt-CtCt	
9836.89	165.28	9726.15	9671.61	90.14		OSF1.50	10980.00	10885.66				MinPt-EOU	
9836.91	165.31	9726.17	9671.60	90.12		OSF1.50	10990.00	10895.66				MinPt-ADP	
866.42	261.54	691.56	604.88	4.99		OSF1.50	21560.00	12150.00	OSF<5.00			Enter Alert	
693.66	296.54	495.47	397.12	3.52		OSF1.50	22347.44	12150.00				MinPts	
30-025-21081 - BRINNINSTOOL P UNIT 1 - INC Only to 17649ft - P&A (DefinitiveSurvey)													Warning Alert
1195.82	32.81	1193.85	1163.02	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
1195.82	32.81	1193.76	1163.02	13512.17		MAS = 10.00 (m)	23.00	23.00				WRP	
1195.83	112.18	1120.45	1083.65	16.22		OSF1.50	1800.00	1800.00				MinPt-CtCt	
1199.97	125.38	1115.80	1074.59	14.54		OSF1.50	1990.00	1989.86				MinPt-EOU	
1205.51	131.99	1116.93	1073.52	13.86		OSF1.50	2090.00	2089.50				MinPt-ADP	
2096.26	630.67	1675.28	1465.59	4.99		OSF1.50	10240.00	10145.66	OSF<5.00			Enter Alert	
1007.84	780.65	486.91	227.19	1.94		OSF1.50	13884.75	12150.00				MinPts	
2589.43	779.28	2069.41	1810.15	4.99		OSF1.50	16270.00	12150.00	OSF<5.00			Exit Alert	
8522.45	780.91	8001.35	7741.55	16.40		OSF1.50	22347.44	12150.00				TD	
Coterra Triste Draw 36-25 Federal Com 211H Rev0 mdy 19Oct23 (DefinitivePlan)													Pass
134.15	32.81	132.86	101.34	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
134.15	32.81	132.85	101.34	26783.18		MAS = 10.00 (m)	23.00	23.00				WRP	
134.15	32.81	122.54	101.34	12.88		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
134.15	32.81	115.73	101.34	7.64		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
134.43	32.81	115.43	101.62	7.41		MAS = 10.00 (m)	1860.00	1860.00				MinPt-EOU	
144.41	32.81	122.72	111.60	6.93		MAS = 10.00 (m)	2140.00	2139.20				MinPt-SF	
1186.84	170.86	1072.60	1015.98	10.47		OSF1.50	10260.00	10165.66				MinPt-EOU	
1187.04	171.10	1072.65	1015.94	10.46		OSF1.50	10280.00	10185.66				MinPt-ADP	
1189.41	172.01	1074.41	1017.40	10.42		OSF1.50	10380.00	10285.66				MinPt-SF	
1834.50	261.80	1659.64	1572.70	10.54		OSF1.50	18830.00	12150.00				MinPt-CtCt	
1834.56	363.82	1591.68	1470.74	7.58		OSF1.50	22340.00	12150.00				MinPt-CtCt	
1834.56	364.02	1591.55	1470.54	7.58		OSF1.50	22347.44	12150.00				MinPts	
Coterra Triste Draw 36-25 Federal Com 301H Rev0 mdy 19Oct23 (DefinitivePlan)													Pass
152.29	32.81	151.01	119.48	N/A		MAS = 10.00 (m)	0.00	0.00				Surface	
152.29	32.81	151.00	119.48	25069.31		MAS = 10.00 (m)	23.00	23.00				WRP	
152.29	32.81	140.69	119.48	14.64		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
152.29	32.81	133.88	119.48	8.68		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
152.64	32.81	133.54	119.83	8.37		MAS = 10.00 (m)	1870.00	1869.99				MinPt-EOU	
161.35	32.81	139.89	128.54	7.83		MAS = 10.00 (m)	2120.00	2119.33				MinPt-SF	
1743.17	174.12	1626.76	1569.05	15.09		OSF1.50	10360.00	10265.66				MinPt-SF	
1746.71	174.04	1630.35	1572.67	15.13		OSF1.50	10850.00	10755.66				MinPt-SF	
1739.66	176.40	1621.73	1563.26	14.87		OSF1.50	11240.00	11145.66				MinPt-CtCt	
1739.71	176.58	1621.68	1563.12	14.85		OSF1.50	11260.00	11165.66				MinPt-EOU	
1739.77	176.67	1621.66	1563.10	14.85		OSF1.50	11270.00	11175.66				MinPt-ADP	
1744.24	177.72	1625.43	1566.51	14.80		OSF1.50	11410.00	11315.66				MinPt-SF	
1763.88	169.16	1650.78	1594.72	15.72		OSF1.50	12670.00	12146.33				MinPt-SF	
1735.67	221.31	1587.81	1514.36	11.81		OSF1.50	16500.00	12150.00				MinPt-CtCt	
1735.96	222.12	1587.55	1513.84	11.77		OSF1.50	16550.00	12150.00				MinPt-EOU	
1736.37	222.61	1587.64	1513.76	11.75		OSF1.50	16580.00	12150.00				MinPt-ADP	
1762.60	294.19	1566.14	1468.41	9.01		OSF1.50	19500.00	12150.00				MinPt-CtCt	
1762.65	373.14	1513.56	1389.51	7.10		OSF1.50	22340.00	12150.00				MinPt-CtCt	
1762.65	373.29	1513.46	1389.36	7.10		OSF1.50	22347.44	12150.00				MinPts	
30-025-40688 - QUESO STATE 1H - Gyro+MWD to 15507ft - A (DefinitiveSurvey)													Pass
1178.50	32.81	1176.52	1145.69	#####		MAS = 10.00 (m)	0.00	0.00				MinPts	
1178.50	32.81	1176.52	1145.69	622321.12		MAS = 10.00 (m)	23.00	23.00				WRP	
1178.04	32.81	1171.14	1145.23	239.00		MAS = 10.00 (m)	560.00	560.00				MinPts	
1178.10	32.81	1163.93	1143.30	115.12		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
864.23	126.07	479.64	438.16	6.78		OSF1.50	7902.68	7814.95				MinPt-CtCt	
564.93	128.33	478.84	436.60	6.67		OSF1.50	8040.00	7950.18				MinPt-EOU	
565.71	129.30	478.97	436.41	6.63		OSF1.50	8100.00	8009.27				MinPt-ADP	
576.59	140.27	482.53	436.31	6.22		OSF1.50	8860.00	8765.66				MinPt-CtCt	
566.90	153.46	464.05	413.44	5.58		OSF1.50	9880.00	9785.66				MinPt-CtCt	
566.93	154.82	463.18	412.11	5.53		OSF1.50	10080.00	9985.66				MinPt-CtCt	
567.29	155.85	462.85	411.44	5.50		OSF1.50	10230.00	10135.66				MinPt-EOU	
568.01	156.70	463.00	411.31	5.48		OSF1.50	10350.00	10255.66				MinPt-ADP	
568.40	156.93	463.24	411.47	5.47		OSF1.50	10400.00	10305.66				MinPt-SF	
1417.58	138.66	1324.64	1278.92	15.49		OSF1.50	13660.00	12150.00				MinPt-EOU	
1418.02	139.18	1324.73	1278.84	15.43		OSF1.50	13690.00	12150.00				MinPt-ADP	
1421.75	154.18	1318.46	1267.57	13.95		OSF1.50	14400.00	12150.00				MinPt-CtCt	
1421.96	159.79	1314.94	1262.17	13.46		OSF1.50	14640.00	12150.00				MinPt-CtCt	

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	1441.43	197.60	1309.19	1243.83	11.01	OSF1.50	16040.00	12150.00				MinPt-EOU	
	1443.29	199.95	1309.49	1243.34	10.90	OSF1.50	16120.00	12150.00				MinPt-ADP	
	1455.85	224.89	1305.42	1230.96	9.77	OSF1.50	16880.00	12150.00				MinPts	
	1462.19	226.95	1310.39	1235.24	9.72	OSF1.50	16990.00	12150.00				MinPt-SF	
	5685.90	186.64	5560.98	5499.26	46.06	OSF1.50	22347.44	12150.00				TD	
30-025-41150 - TRISTE DRAW 25 FEDERAL COM 3H - MWD to 15359ft - A (DefinitiveSurvey)													Pass
	4483.79	32.81	4481.81	4450.99	110010.15	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4483.87	32.81	4481.84	4451.06	83610.63	MAS = 10.00 (m)	23.00	23.00				WRP	
	4493.40	32.81	4484.80	4460.59	679.18	MAS = 10.00 (m)	740.00	740.00				MinPt-EOU	
	4495.31	32.81	4483.06	4462.51	437.30	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4495.12	32.81	4480.50	4462.31	349.49	MAS = 10.00 (m)	1350.00	1350.00				MinPts	
	4495.20	32.81	4477.51	4462.39	282.07	MAS = 10.00 (m)	1660.00	1660.00				MinPts	
	4495.01	32.81	4475.80	4462.20	257.49	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	4495.12	32.81	4475.72	4462.31	254.78	MAS = 10.00 (m)	1830.00	1830.00				MinPt-EOU	
	5552.11	132.72	5463.09	5419.38	63.50	OSF1.50	8930.00	8835.66				MinPt-CtCt	
	5552.29	133.28	5462.90	5419.01	63.24	OSF1.50	8990.00	8895.66				MinPt-EOU	
	5542.65	149.06	5442.74	5393.59	56.37	OSF1.50	10080.00	9985.66				MinPt-CtCt	
	5543.25	150.52	5442.36	5392.73	55.82	OSF1.50	10210.00	10115.66				MinPt-EOU	
	5544.91	153.15	5442.27	5391.76	54.87	OSF1.50	10400.00	10305.66				MinPt-EOU	
	5544.98	154.34	5441.54	5390.64	54.44	OSF1.50	10520.00	10425.66				MinPt-CtCt	
	5544.99	154.36	5441.54	5390.63	54.44	OSF1.50	10530.00	10435.66				MinPts	
	5546.47	154.50	5442.93	5391.97	54.40	OSF1.50	10670.00	10575.66				MinPt-SF	
	1211.53	182.88	1089.10	1028.64	10.01	OSF1.50	18330.00	12150.00				MinPt-CtCt	
	1211.49	200.59	1077.26	1010.90	9.12	OSF1.50	19110.00	12150.00				MinPt-CtCt	
	1210.92	207.21	1072.28	1003.71	8.82	OSF1.50	19380.00	12150.00				MinPt-CtCt	
	1208.86	261.85	1033.79	947.01	6.96	OSF1.50	21391.85	12150.00				MinPt-CtCt	
	1213.42	285.00	1022.92	928.42	6.41	OSF1.50	22150.00	12150.00				MinPt-EOU	
	1213.69	285.31	1022.98	928.38	6.41	OSF1.50	22160.00	12150.00				MinPt-ADP	
	1217.87	287.09	1025.97	930.77	6.39	OSF1.50	22230.00	12150.00				MinPt-SF	
	1233.80	288.70	1040.83	945.10	6.44	OSF1.50	22347.44	12150.00				TD	
Cimarex Triste Draw 25 Federal #3H ST01 Surveys Off - Update (Non-Def Survey)													Pass
	4483.80	32.81	4481.81	4450.99	1096466.25	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4483.87	32.81	4481.85	4451.06	114792.28	MAS = 10.00 (m)	23.00	23.00				WRP	
	4492.75	32.81	4486.27	4459.94	998.36	MAS = 10.00 (m)	670.00	670.00				MinPt-EOU	
	4495.28	32.81	4485.66	4462.47	588.15	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4495.04	32.81	4483.66	4462.23	467.35	MAS = 10.00 (m)	1360.00	1360.00				MinPts	
	4495.11	32.81	4481.63	4462.30	383.48	MAS = 10.00 (m)	1660.00	1660.00				MinPts	
	4494.91	32.81	4480.40	4462.10	352.52	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	4494.94	32.81	4480.37	4462.13	350.70	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5551.97	96.74	5486.92	5455.23	87.58	OSF1.50	8930.00	8835.66				MinPt-CtCt	
	5552.17	97.31	5486.71	5454.86	87.12	OSF1.50	8990.00	8895.66				MinPt-EOU	
	5552.41	97.60	5486.75	5454.81	86.89	OSF1.50	9020.00	8925.66				MinPt-ADP	
	5542.62	108.09	5470.00	5434.53	78.12	OSF1.50	10080.00	9985.66				MinPt-CtCt	
	5543.02	109.07	5469.70	5433.94	77.48	OSF1.50	10180.00	10085.66				MinPt-EOU	
	5543.59	109.74	5469.82	5433.85	77.03	OSF1.50	10250.00	10155.66				MinPt-ADP	
	5544.60	110.79	5470.14	5433.82	76.30	OSF1.50	10360.00	10265.66				MinPt-ADP	
	5545.00	110.99	5470.46	5434.01	76.05	OSF1.50	10490.00	10395.66				MinPt-SF	
	5544.95	111.01	5470.37	5433.94	76.07	OSF1.50	10520.00	10425.66				MinPts	
	5544.96	111.02	5470.37	5433.94	76.07	OSF1.50	10530.00	10435.66				MinPt-EOU	
	1212.53	185.31	1083.32	1027.22	10.66	OSF1.50	18330.00	12150.00				MinPt-CtCt	
	1212.48	203.83	1070.92	1008.65	9.60	OSF1.50	19110.00	12150.00				MinPt-CtCt	
	1211.93	210.92	1065.65	1001.01	9.24	OSF1.50	19390.00	12150.00				MinPt-CtCt	
	1209.78	266.10	1026.71	943.68	7.18	OSF1.50	21397.45	12150.00				MinPt-CtCt	
	1214.27	292.49	1013.57	921.77	6.52	OSF1.50	22150.00	12150.00				MinPt-EOU	
	1214.53	292.81	1013.61	921.73	6.52	OSF1.50	22160.00	12150.00				MinPt-ADP	
	1217.87	294.39	1015.79	923.48	6.50	OSF1.50	22220.00	12150.00				MinPt-SF	
	1234.64	295.87	1031.40	938.77	6.57	OSF1.50	22347.44	12150.00				TD	
Cimarex Triste Draw 25 Federal #3H ST01 Rev3 TP 6-Jan-13 (DefinitivePlan)													Pass
	4483.80	32.81	4481.81	4450.99	1096466.25	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4483.87	32.81	4481.85	4451.06	114790.38	MAS = 10.00 (m)	23.00	23.00				WRP	
	4492.75	32.81	4486.27	4459.94	998.35	MAS = 10.00 (m)	670.00	670.00				MinPt-EOU	
	4495.28	32.81	4485.66	4462.47	588.15	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4495.04	32.81	4483.66	4462.23	467.35	MAS = 10.00 (m)	1360.00	1360.00				MinPts	
	4495.11	32.81	4481.63	4462.30	383.48	MAS = 10.00 (m)	1660.00	1660.00				MinPts	
	4494.91	32.81	4480.40	4462.10	352.52	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	4494.94	32.81	4480.37	4462.13	350.70	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5551.97	96.74	5486.92	5455.23	87.58	OSF1.50	8930.00	8835.66				MinPt-CtCt	
	5552.17	97.31	5486.71	5454.86	87.12	OSF1.50	8990.00	8895.66				MinPt-EOU	
	5552.41	97.60	5486.75	5454.81	86.89	OSF1.50	9020.00	8925.66				MinPt-ADP	
	5542.62	108.09	5470.00	5434.53	78.12	OSF1.50	10080.00	9985.66				MinPt-CtCt	
	5543.02	109.07	5469.70	5433.94	77.48	OSF1.50	10180.00	10085.66				MinPt-EOU	
	5543.59	109.74	5469.82	5433.85	77.03	OSF1.50	10250.00	10155.66				MinPt-ADP	
	5544.60	110.79	5470.14	5433.82	76.29	OSF1.50	10360.00	10265.66				MinPt-ADP	
	5545.00	110.99	5470.46	5434.01	76.05	OSF1.50	10490.00	10395.66				MinPt-SF	
	5544.95	111.01	5470.37	5433.94	76.07	OSF1.50	10520.00	10425.66				MinPts	
	5544.96	111.02	5470.37	5433.94	76.07	OSF1.50	10530.00	10435.66				MinPt-EOU	
	1223.04	180.17	1097.26	1042.87	11.09	OSF1.50	18104.18	12150.00				MinPt-CtCt	
	1227.02	291.00	1027.30	936.01	6.63	OSF1.50	22160.00	12150.00				MinPt-EOU	
	1227.32	291.32	1027.38	936.00	6.62	OSF1.50	22170.00	12150.00				MinPt-ADP	
	1230.87	292.93	1029.76	937.95	6.61	OSF1.50	22230.00	12150.00				MinPt-SF	
	1246.18	294.46	1043.88	951.72	6.66	OSF1.50	22347.44	12150.00				TD	
30-025-47632 - WILD SALSA FED COM 224H - MWD to 22026ft - A (DefinitiveSurvey)													Pass
	8776.77	32.81	8774.71	8743.96	106291.70	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8776.81	32.81	8774.69	8744.00	60607.02	MAS = 10.							

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status	
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major			
	9919.16	158.39	9813.03	9760.77	94.89	OSF1.50	10540.00	10445.66				MinPt-CtCt		
	9919.16	158.40	9813.02	9760.76	94.89	OSF1.50	10550.00	10455.66				MinPts		
	9926.36	158.81	9819.96	9767.56	94.71	OSF1.50	10960.00	10865.66				MinPt-SF		
	1246.79	267.03	1068.27	979.76	7.03	OSF1.50	22347.44	12150.00				MinPts		
30-025-47640 - WILD SALSA FED COM 404H - MWD to 23199ft - A (DefinitiveSurvey)														Pass
	8865.05	32.81	8863.06	8832.24	820874.74	MAS = 10.00 (m)	0.00	0.00				MinPts		
	8865.17	32.81	8863.14	8832.36	171463.42	MAS = 10.00 (m)	23.00	23.00				WRP		
	8891.57	32.81	8877.71	8858.77	734.35	MAS = 10.00 (m)	1310.00	1310.00				MinPt-EOU		
	8899.20	32.81	8880.74	8866.39	532.77	MAS = 10.00 (m)	1770.00	1770.00				MinPt-EOU		
	8901.80	32.81	8880.83	8868.99	463.31	MAS = 10.00 (m)	1890.00	1889.99				MinPt-ADP		
	9220.08	58.88	9180.24	9161.20	242.07	OSF1.50	3860.00	3833.74				MinPt-ADP		
	10084.68	138.86	9991.57	9945.82	110.20	OSF1.50	9270.00	9175.66				MinPt-ADP		
	10093.35	144.64	9996.38	9948.71	105.84	OSF1.50	9670.00	9575.66				MinPts		
	10102.04	160.42	9994.55	9941.62	95.40	OSF1.50	10890.00	10795.66				MinPt-CtCt		
	10101.29	162.59	9992.36	9938.70	94.11	OSF1.50	11150.00	11055.66				MinPt-CtCt		
	10101.34	162.74	9992.31	9938.60	94.02	OSF1.50	11190.00	11095.66				MinPt-EOU		
	10101.43	162.86	9992.32	9938.58	93.96	OSF1.50	11220.00	11125.66				MinPt-ADP		
	1309.95	291.86	1114.88	1018.10	6.76	OSF1.50	22148.57	12150.00				MinPt-CtCt		
	1310.08	292.24	1114.76	1017.84	6.75	OSF1.50	22170.00	12150.00				MinPt-EOU		
	1310.23	292.40	1114.79	1017.82	6.75	OSF1.50	22180.00	12150.00				MinPt-ADP		
	1316.27	294.54	1119.41	1021.73	6.73	OSF1.50	22310.00	12150.00				MinPt-SF		
	1318.99	295.11	1121.75	1023.88	6.73	OSF1.50	22347.44	12150.00				TD		
30-025-40665 - Cimarex Triste Draw 36 State 2H MWD Off to 13691ft (DefinitiveSurvey)														Pass
	4045.50	32.81	4043.50	4012.69	185767.03	MAS = 10.00 (m)	0.00	0.00				Surface		
	4045.49	32.81	4043.43	4012.68	53531.14	MAS = 10.00 (m)	23.00	23.00				WRP		
	4045.33	32.81	4042.40	4012.52	4249.51	MAS = 10.00 (m)	190.00	190.00				MinPts		
	4043.74	32.81	4034.43	4010.94	550.92	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
	4041.21	32.81	4027.01	4008.40	324.76	MAS = 10.00 (m)	1810.00	1810.00				MinPts		
	4041.27	32.81	4026.94	4008.46	321.35	MAS = 10.00 (m)	1830.00	1830.00				MinPt-EOU		
	1479.02	223.49	1328.33	1255.54	10.12	OSF1.50	9914.96	9820.62				MinPt-CtCt		
	1479.10	223.63	1328.27	1255.47	10.12	OSF1.50	9930.00	9835.66				MinPts		
	2540.00	163.93	2426.31	2376.07	25.15	OSF1.50	12930.00	12150.00				MinPts		
	2540.04	163.97	2426.33	2376.07	25.14	OSF1.50	12940.00	12150.00				MinPt-ADP		
	2541.40	164.23	2427.57	2377.17	25.00	OSF1.50	13010.00	12150.00				MinPt-SF		
	2585.99	133.95	2492.23	2452.04	32.01	OSF1.50	15100.00	12150.00				MinPt-SF		
	2504.68	148.29	2401.34	2356.39	27.71	OSF1.50	16510.00	12150.00				MinPt-CtCt		
	2505.04	149.44	2400.94	2355.60	27.48	OSF1.50	16560.00	12150.00				MinPt-EOU		
	2505.42	149.90	2401.02	2355.52	27.39	OSF1.50	16580.00	12150.00				MinPt-ADP		
	2630.38	165.51	2515.81	2464.86	25.69	OSF1.50	17370.00	12150.00				MinPt-SF		
	6091.76	179.35	5969.99	5912.40	52.84	OSF1.50	22347.44	12150.00				TD		
30-025-41149 - Cimarex Triste Draw 25 Federal 2H MWD Off to 15300ft (DefinitiveSurvey)														Pass
	4507.30	32.81	4505.30	4474.49	197168.35	MAS = 10.00 (m)	0.00	0.00				MinPts		
	4507.39	32.81	4505.35	4474.58	72737.36	MAS = 10.00 (m)	23.00	23.00				WRP		
	4515.98	32.81	4507.33	4483.18	676.13	MAS = 10.00 (m)	1000.00	1000.00				MinPt-EOU		
	5691.01	110.70	5616.67	5580.31	78.23	OSF1.50	10400.00	10305.66				MinPt-SF		
	5689.57	110.56	5615.33	5579.01	78.32	OSF1.50	10530.00	10435.66				MinPts		
	5689.56	110.54	5615.33	5579.02	78.33	OSF1.50	10540.00	10445.66				MinPt-CtCt		
	1635.20	222.06	1482.76	1413.14	11.65	OSF1.50	19410.00	12150.00				MinPt-CtCt		
	1556.96	289.07	1359.62	1267.91	8.41	OSF1.50	21431.27	12150.00				MinPt-CtCt		
	1559.77	296.36	1357.51	1263.41	8.21	OSF1.50	21640.00	12150.00				MinPt-EOU		
	1574.76	335.05	1346.73	1239.71	7.29	OSF1.50	22170.00	12150.00				MinPts		
	1577.09	335.98	1348.38	1241.11	7.29	OSF1.50	22220.00	12150.00				MinPt-SF		
	1590.16	337.09	1360.55	1253.07	7.33	OSF1.50	22347.44	12150.00				TD		
30-025-40578 - Cimarex Triste Draw 36 State 6H Gyro+MWD Off to 11368ft MD (DefinitiveSurvey)														Pass
	3951.29	32.81	3949.27	3918.48	94867.86	MAS = 10.00 (m)	0.00	0.00				Surface		
	3951.24	32.81	3949.16	3918.44	37934.37	MAS = 10.00 (m)	23.00	23.00				WRP		
	3950.83	32.81	3947.81	3918.02	3780.72	MAS = 10.00 (m)	190.00	190.00				MinPts		
	3953.88	32.81	3946.23	3921.07	697.91	MAS = 10.00 (m)	800.00	800.00				MinPt-EOU		
	3955.81	32.81	3945.94	3923.00	500.75	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
	3957.59	32.81	3945.67	3924.78	389.57	MAS = 10.00 (m)	1380.00	1380.00				MinPt-EOU		
	4829.17	105.00	4758.57	4724.17	70.16	OSF1.50	9410.00	9315.66				MinPt-CtCt		
	4827.83	108.01	4755.23	4719.83	68.16	OSF1.50	9730.00	9635.66				MinPt-CtCt		
	4828.31	109.82	4754.47	4718.49	67.08	OSF1.50	9920.00	9825.66				MinPt-EOU		
	4828.73	110.30	4754.55	4718.42	66.81	OSF1.50	9970.00	9875.66				MinPt-ADP		
	4826.37	114.79	4749.29	4711.58	63.97	OSF1.50	11370.00	11275.66				MinPt-SF		
	4826.19	114.91	4748.98	4711.28	63.98	OSF1.50	11410.00	11315.66				MinPt-CtCt		
	4826.22	114.97	4748.95	4711.26	63.99	OSF1.50	11430.00	11335.66				MinPts		
	1834.65	162.87	1722.80	1671.78	17.88	OSF1.50	16475.79	12150.00				MinPt-CtCt		
	1834.81	163.36	1722.64	1671.46	17.83	OSF1.50	16500.00	12150.00				MinPt-EOU		
	1834.97	163.54	1722.67	1671.43	17.81	OSF1.50	16510.00	12150.00				MinPt-ADP		
	1858.09	167.77	1743.01	1690.32	17.84	OSF1.50	16770.00	12150.00				MinPt-SF		
	6151.70	155.04	6047.02	5996.66	61.04	OSF1.50	22347.44	12150.00				TD		
Cimarex Triste Draw 25 Federal #3H Pilot Gyro+MWD Off to 10322.56ft MD (DefinitiveSurvey)														Pass
	4483.80	32.81	4481.81	4450.99	1096466.25	MAS = 10.00 (m)	0.00	0.00				MinPts		
	4483.87	32.81	4481.85	4451.06	114790.34	MAS = 10.00 (m)	23.00	23.00				WRP		
	4492.75	32.81	4486.27	4459.94	998.35	MAS = 10.00 (m)	670.00	670.00				MinPt-EOU		
	4495.28	32.81	4485.66	4462.47	588.15	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU		
	4495.04	32.81	4483.66	4462.23	467.35	MAS = 10.00 (m)	1360.00	1360.00				MinPts		
	4495.11	32.81	4481.63	4462.30	383.48	MAS = 10.00 (m)	1660.00	1660.00				MinPts		
	4494.91	32.81	4480.40	4462.10	352.52	MAS = 10.00 (m)	1810.00	1810.00				MinPts		
	4494.94	32.81	4480.37	4462.13	350.70	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU		
	5551.97	96.74	5486.92	5455.23	87.58	OSF1.50	8930.00	8835.66				MinPt-CtCt		
	5552.17	97.31	5486.71	5454.86	87.12	OSF1.50	8990.00	8895.66				MinPt-EOU		
	5552.41	97.60	5486.75	5454.81	86.89	OSF1.50	9020.00	8925.66				MinPt-ADP		
	5542.62	108.09	5470.00	5434.53	78.12	OSF1.50	10080.00	9985.66				MinPt		

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
4687.44	32.81	4676.81	4654.64	541.04		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	Pass
4687.44	32.81	4671.09	4654.64	320.96		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
4687.51	32.81	4670.99	4654.70	317.46		MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
5898.48	122.40	5816.34	5776.08	73.23		OSF1.50	10670.00	10575.66				MinPts	
1980.16	193.16	1848.14	1787.00	16.11		OSF1.50	18084.66	12150.00				MinPt-CtCt	
1980.37	299.32	1777.57	1681.05	10.21		OSF1.50	22340.00	12150.00				MinPt-CtCt	
1980.37	299.53	1777.43	1680.85	10.20		OSF1.50	22347.44	12150.00				MinPts	
30-025-40184 - Cimarex Triste Draw 36 State 1H Gyro+MWD Off to 13942ft MD (Offset) (DefinitiveSurvey)													
4267.90	32.81	4265.84	4235.09	50027.70		MAS = 10.00 (m)	0.00	0.00				Surface	
4267.89	32.81	4265.82	4235.08	44632.58		MAS = 10.00 (m)	23.00	23.00				WRP	
4263.81	32.81	4253.93	4231.00	539.32		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4263.74	32.81	4253.42	4230.94	497.47		MAS = 10.00 (m)	1180.00	1180.00				MinPts	
4264.30	32.81	4252.28	4231.49	415.62		MAS = 10.00 (m)	1440.00	1440.00				MinPt-EOU	
4265.13	32.81	4251.78	4232.33	367.74		MAS = 10.00 (m)	1650.00	1650.00				MinPts	
4265.44	32.81	4250.95	4232.64	334.89		MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
2064.59	276.37	1879.57	1788.22	11.29		OSF1.50	9630.12	9535.78				MinPt-CtCt	
2064.69	276.54	1879.51	1788.15	11.29		OSF1.50	9650.00	9555.66				MinPts	
2064.81	276.62	1879.56	1788.19	11.29		OSF1.50	9660.00	9565.66				MinPt-SF	
3246.09	176.28	3124.79	3069.81	29.42		OSF1.50	12840.00	12150.00				MinPt-ADP	
3245.94	176.11	3124.71	3069.84	29.44		OSF1.50	12860.00	12150.00				MinPt-EOU	
3245.87	175.85	3124.87	3070.02	29.48		OSF1.50	12890.00	12150.00				MinPt-CtCt	
3246.78	170.72	3129.21	3076.06	30.44		OSF1.50	13100.00	12150.00				MinPt-CtCt	
3247.64	163.92	3134.60	3083.72	31.80		OSF1.50	13420.00	12150.00				MinPts	
3248.06	163.89	3135.06	3084.17	31.80		OSF1.50	13480.00	12150.00				MinPt-SF	
3263.78	146.28	3162.48	3117.50	36.15		OSF1.50	14410.00	12150.00				MinPt-ADP	
3263.56	145.98	3162.46	3117.58	36.24		OSF1.50	14420.00	12150.00				MinPt-EOU	
3257.93	143.70	3158.32	3114.23	36.81		OSF1.50	14540.00	12150.00				MinPt-SF	
3252.93	144.59	3152.77	3108.34	36.48		OSF1.50	14760.00	12150.00				MinPt-CtCt	
3252.98	144.75	3152.71	3108.22	36.43		OSF1.50	14780.00	12150.00				MinPt-EOU	
3253.04	144.84	3152.72	3108.20	36.41		OSF1.50	14790.00	12150.00				MinPt-ADP	
3253.69	145.27	3153.10	3108.43	36.29		OSF1.50	14840.00	12150.00				MinPt-SF	
3252.15	143.22	3152.89	3108.93	36.86		OSF1.50	15000.00	12150.00				MinPt-CtCt	
3252.20	143.39	3152.84	3108.81	36.81		OSF1.50	15030.00	12150.00				MinPt-EOU	
3252.25	143.44	3152.85	3108.81	36.79		OSF1.50	15040.00	12150.00				MinPt-ADP	
3252.48	143.61	3152.97	3108.86	36.74		OSF1.50	15070.00	12150.00				MinPt-SF	
3258.65	144.40	3158.63	3114.24	36.58		OSF1.50	15390.00	12150.00				MinPt-SF	
3267.06	145.36	3166.41	3121.70	36.41		OSF1.50	15690.00	12150.00				MinPt-SF	
3267.24	144.42	3167.21	3122.83	36.68		OSF1.50	15730.00	12150.00				MinPt-EOU	
3267.54	144.76	3167.28	3122.78	36.59		OSF1.50	15760.00	12150.00				MinPt-ADP	
3268.76	145.44	3168.05	3123.32	36.42		OSF1.50	15840.00	12150.00				MinPt-SF	
3266.01	146.75	3164.41	3119.27	36.05		OSF1.50	16090.00	12150.00				MinPts	
3262.94	149.88	3159.25	3113.07	35.21		OSF1.50	16350.00	12150.00				MinPt-CtCt	
3263.67	151.77	3158.71	3111.90	34.74		OSF1.50	16470.00	12150.00				MinPt-EOU	
3264.13	152.30	3158.82	3111.82	34.61		OSF1.50	16500.00	12150.00				MinPt-ADP	
3450.03	172.17	3331.72	3277.85	31.93		OSF1.50	17650.00	12150.00				MinPt-SF	
6563.04	188.05	6435.66	6374.98	54.03		OSF1.50	22347.44	12150.00				TD	
30-025-47629 - WILD SALSA FED COM 215H - MWD to 21650ft - A (DefinitiveSurvey)													
8784.05	32.81	8782.05	8751.23	464831.44		MAS = 10.00 (m)	0.00	0.00				MinPts	Pass
8784.19	32.81	8782.15	8751.39	147034.76		MAS = 10.00 (m)	23.00	23.00				WRP	
8791.01	32.81	8778.52	8758.20	835.85		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
8789.94	32.81	8773.68	8756.13	650.58		MAS = 10.00 (m)	1410.00	1410.00				MinPts	
8789.22	32.81	8773.44	8756.41	626.70		MAS = 10.00 (m)	1490.00	1490.00				MinPt-EOU	
8956.75	38.78	8930.31	8917.97	362.81		OSF1.50	2670.00	2661.84				MinPts	
9307.23	60.84	9266.08	9246.39	236.26		OSF1.50	4170.00	4139.03				MinPts	
9475.28	72.79	9426.22	9402.50	199.67		OSF1.50	4920.00	4877.63				MinPt-ADP	
9618.11	86.47	9559.92	9531.63	169.98		OSF1.50	5570.00	5517.74				MinPts	
10088.79	136.08	9997.54	9952.71	112.52		OSF1.50	9040.00	8945.66				MinPt-CtCt	
10089.57	138.43	9996.75	9951.14	110.60		OSF1.50	9250.00	9155.66				MinPt-EOU	
10084.70	153.51	9981.82	9931.18	99.57		OSF1.50	10300.00	10205.66				MinPt-CtCt	
10084.83	153.96	9981.64	9930.85	99.26		OSF1.50	10360.00	10265.66				MinPt-EOU	
10084.89	154.04	9981.66	9930.85	99.23		OSF1.50	10370.00	10275.66				MinPt-ADP	
10088.54	154.33	9985.12	9934.22	99.08		OSF1.50	10610.00	10515.66				MinPt-SF	
2155.79	278.02	1969.94	1877.77	11.69		OSF1.50	22347.44	12150.00				MinPts	
Cimarex Triste Draw 25 Federal #15H Rev0 RM 22Mar17 (NonDefinitivePlan)													
4632.97	32.81	4630.97	4600.17	196623.84		MAS = 10.00 (m)	0.00	0.00				Surface	Pass
4632.97	32.81	4630.92	4600.17	62030.14		MAS = 10.00 (m)	23.00	23.00				WRP	
4632.97	32.81	4622.31	4600.17	533.55		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4632.97	32.81	4616.59	4600.17	316.81		MAS = 10.00 (m)	1800.00	1800.00				MinPts	
4633.04	32.81	4616.50	4600.23	313.36		MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
5740.04	118.69	5660.36	5621.35	73.57		OSF1.50	9450.00	9355.66				MinPt-EOU	
5740.20	118.87	5660.38	5621.33	73.48		OSF1.50	9470.00	9375.66				MinPt-ADP	
5811.69	126.09	5726.50	5685.60	71.00		OSF1.50	10360.00	10265.66				MinPt-SF	
2350.94	177.58	2227.78	2173.36	21.47		OSF1.50	18204.27	12150.00				MinPt-CtCt	
2350.94	252.13	2178.08	2098.81	14.74		OSF1.50	21190.00	12150.00				MinPt-CtCt	
2351.32	279.11	2160.44	2072.21	13.24		OSF1.50	22160.00	12150.00				MinPt-EOU	
2351.77	279.61	2160.54	2072.16	13.22		OSF1.50	22180.00	12150.00				MinPt-ADP	
2362.15	283.24	2168.38	2078.91	13.12		OSF1.50	22347.44	12150.00				MinPt-SF	
30-025-42081 - Cimarex Triste Draw 25 Federal 7H MWD Off to 14577ft (DefinitiveSurvey)													
4714.60	32.81	4712.61	4681.79	446770.40		MAS = 10.00 (m)	0.00	0.00				MinPts	Pass
4714.67	32.81	4712.64	4681.86	94821.10		MAS = 10.00 (m)	23.00	23.00				WRP	
4716.58	32.81	4712.94	4683.77	2836.04		MAS = 10.00 (m)	280.00	280.00				MinPt-EOU	
4718.17	32.81	4709.74	4685.35	730.51		MAS = 10.00 (m)	950.00	950.00				MinPts	
4718.44	32.81	4709.01	4685.63	633.65		MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4721.62	32.81	4707.51	4688.81	382.14		MAS = 10.00 (m)	1800.00	1800.00				MinPt-EOU	
5396.91	106.56	5325.10	5290.34	77.61		OSF1.50	9410.00	9315.66				MinPt-CtCt	
5397.07	107.05	5324.91	5290.02	77.31									

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	2437.19	293.68	2236.64	2143.51	13.01	OSF1.50	22120.00	12150.00				MinPt-CtCt	
	2437.39	294.34	2236.38	2143.06	12.98	OSF1.50	22150.00	12150.00				MinPt-EOU	
	2437.73	294.75	2236.42	2142.98	12.97	OSF1.50	22170.00	12150.00				MinPt-ADP	
	2447.90	297.80	2244.43	2150.10	12.90	OSF1.50	22347.44	12150.00				MinPt-SF	
30-025-47639 - WILD SALSA FED COM 093H - MWD to 20738ft - A (DefinitiveSurvey)													Pass
	8855.74	32.81	8853.73	8822.93	282814.16	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8855.84	32.81	8853.78	8823.03	115832.62	MAS = 10.00 (m)	23.00	23.00				WRP	
	8848.35	32.81	8833.31	8815.54	666.21	MAS = 10.00 (m)	1390.00	1390.00				MinPts	
	8848.98	32.81	8832.70	8816.17	609.37	MAS = 10.00 (m)	1550.00	1550.00				MinPt-EOU	
	8884.35	39.75	8857.27	8844.61	350.75	OSF1.50	2180.00	2178.89				MinPts	
	9321.62	76.40	9270.10	9245.22	187.29	OSF1.50	4770.00	4729.91				MinPts	
	9507.15	91.99	9445.28	9415.16	157.77	OSF1.50	5750.00	5695.01				MinPts	
	9938.70	131.37	9850.58	9807.32	114.87	OSF1.50	8040.00	7950.18				MinPt-ADP	
	9987.53	145.07	9890.28	9842.46	104.41	OSF1.50	9040.00	8945.66				MinPt-CtCt	
	9987.81	145.97	9889.96	9841.84	103.77	OSF1.50	9140.00	9045.66				MinPt-EOU	
	9988.26	146.51	9890.05	9841.75	103.38	OSF1.50	9200.00	9105.66				MinPt-ADP	
	9988.78	147.04	9890.21	9841.74	103.02	OSF1.50	9250.00	9155.66				MinPt-ADP	
	10048.09	154.77	9944.37	9893.32	98.39	OSF1.50	10370.00	10275.66				MinPt-SF	
	2468.60	259.33	2295.21	2209.27	14.35	OSF1.50	22347.44	12150.00				MinPts	
30-025-43998 - Cimarex Triste Draw 25 Federal 12H MWD Off to 14078ft (DefinitiveSurvey)													Pass
	4633.42	32.81	4631.38	4600.61	75941.66	MAS = 10.00 (m)	0.00	0.00				Surface	
	4633.37	32.81	4631.24	4600.57	29378.42	MAS = 10.00 (m)	23.00	23.00				WRP	
	4622.19	32.81	4609.82	4589.38	444.69	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4619.65	32.81	4604.71	4586.85	349.41	MAS = 10.00 (m)	1400.00	1400.00				MinPts	
	4621.87	32.81	4603.79	4589.07	282.97	MAS = 10.00 (m)	1740.00	1740.00				MinPt-EOU	
	5840.66	141.87	5745.56	5698.81	62.45	OSF1.50	9380.00	9285.66				MinPt-CtCt	
	5840.75	142.08	5745.49	5698.67	62.36	OSF1.50	9410.00	9315.66				MinPt-EOU	
	5840.81	142.15	5745.50	5698.66	62.33	OSF1.50	9420.00	9325.66				MinPt-ADP	
	5913.94	147.47	5815.09	5766.47	60.80	OSF1.50	10360.00	10265.66				MinPt-SF	
	2533.85	182.17	2411.90	2351.67	21.02	OSF1.50	18220.00	12150.00				MinPt-CtCt	
	2534.17	183.13	2411.58	2351.04	20.92	OSF1.50	18260.00	12150.00				MinPt-EOU	
	2534.74	183.82	2411.69	2350.92	20.84	OSF1.50	18290.00	12150.00				MinPt-ADP	
	2541.57	187.67	2415.96	2353.90	20.47	OSF1.50	18460.00	12150.00				MinPt-SF	
	2541.95	189.01	2415.44	2352.94	20.32	OSF1.50	18540.00	12150.00				MinPt-CtCt	
	2542.64	191.07	2414.76	2351.57	20.11	OSF1.50	18630.00	12150.00				MinPt-EOU	
	2542.79	191.30	2414.76	2351.49	20.08	OSF1.50	18640.00	12150.00				MinPts	
	2538.51	199.84	2404.79	2338.68	19.19	OSF1.50	19020.00	12150.00				MinPt-CtCt	
	2539.10	207.97	2399.96	2331.13	18.44	OSF1.50	19360.00	12150.00				MinPt-CtCt	
	2539.97	210.46	2399.16	2329.51	18.22	OSF1.50	19460.00	12150.00				MinPt-EOU	
	2541.36	212.64	2399.10	2328.73	18.04	OSF1.50	19550.00	12150.00				MinPt-CtCt	
	2542.31	216.64	2397.38	2325.67	17.72	OSF1.50	19710.00	12150.00				MinPt-EOU	
	2543.33	217.88	2397.58	2325.45	17.62	OSF1.50	19760.00	12150.00				MinPt-ADP	
	2528.22	248.43	2362.10	2279.79	15.35	OSF1.50	20927.36	12150.00				MinPt-CtCt	
	2531.80	256.64	2360.21	2275.16	14.88	OSF1.50	21230.00	12150.00				MinPt-EOU	
	2533.10	258.23	2360.44	2274.87	14.79	OSF1.50	21290.00	12150.00				MinPt-ADP	
	2531.33	271.70	2349.69	2259.63	14.04	OSF1.50	21770.00	12150.00				MinPt-CtCt	
	2532.22	274.40	2348.79	2257.81	13.91	OSF1.50	21870.00	12150.00				MinPt-EOU	
	2533.11	275.46	2348.98	2257.65	13.86	OSF1.50	21910.00	12150.00				MinPt-ADP	
	2538.47	282.58	2349.59	2255.89	13.54	OSF1.50	22160.00	12150.00				MinPt-EOU	
	2538.91	283.08	2349.69	2255.83	13.52	OSF1.50	22180.00	12150.00				MinPt-ADP	
	2548.70	286.77	2357.02	2261.93	13.39	OSF1.50	22347.44	12150.00				MinPt-SF	
Coterra Gin Slinger 23-14 Federal Com 32H Rev0 kFc 19Dec22 (DefinitivePlan)													Pass
	10467.18	32.81	10465.15	10434.37	215588.30	MAS = 10.00 (m)	0.00	0.00				Surface	
	10467.18	32.81	10465.07	10434.37	80478.47	MAS = 10.00 (m)	23.00	23.00				WRP	
	10321.30	47.07	10289.33	10274.23	341.66	OSF1.50	2170.00	2168.97				MinPt-CtCt	
	10321.47	47.56	10289.19	10273.92	338.07	OSF1.50	2200.00	2198.70				MinPt-EOU	
	10321.76	47.87	10289.26	10273.89	335.71	OSF1.50	2220.00	2218.50				MinPt-ADP	
	10914.06	161.09	10806.13	10752.97	102.64	OSF1.50	11610.00	11515.66				MinPts	
	2673.55	284.16	2483.61	2389.39	14.18	OSF1.50	22347.44	12150.00				MinPts	
MR 35 26 Federal Com 603H R0 mdv 31May23 (DefinitivePlan)													Pass
	4265.22	32.81	4263.93	4232.41	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	4265.18	32.81	4263.88	4232.37	667635.39	MAS = 10.00 (m)	10.00	10.00				MinPt-SF	
	4265.16	32.81	4263.87	4232.35	1212273.59	MAS = 10.00 (m)	20.00	20.00				MinPt-EOU	
	4265.15	32.81	4263.87	4232.35	5007213.19	MAS = 10.00 (m)	23.00	23.00				WRP	
	2928.35	173.19	2812.56	2755.16	25.50	OSF1.50	11640.98	11546.64				MinPt-CtCt	
	2698.43	328.22	2479.29	2370.21	12.36	OSF1.50	17154.85	12150.00				MinPt-CtCt	
	2699.71	555.05	2329.34	2144.65	7.31	OSF1.50	22347.44	12150.00				MinPts	
30-025-44001 - Cimarex Triste Draw 25 Federal 13H MWD to 13778ft MD TD (Surcon Corr) (DefinitiveSurvey)													Pass
	4633.07	32.81	4631.00	4600.26	48230.32	MAS = 10.00 (m)	0.00	0.00				Surface	
	4632.97	32.81	4630.77	4600.16	21485.28	MAS = 10.00 (m)	23.00	23.00				WRP	
	4618.96	32.81	4603.49	4586.15	336.82	MAS = 10.00 (m)	1440.00	1440.00				MinPts	
	4619.31	32.81	4603.14	4586.50	320.30	MAS = 10.00 (m)	1530.00	1530.00				MinPt-EOU	
	5801.77	136.94	5709.94	5664.83	64.29	OSF1.50	9130.00	9035.66				MinPt-EOU	
	5801.86	137.04	5709.96	5664.82	64.24	OSF1.50	9140.00	9045.66				MinPt-ADP	
	5894.62	142.65	5798.98	5751.97	62.68	OSF1.50	10180.00	10085.66				MinPt-SF	
	2724.97	183.20	2602.34	2541.78	22.48	OSF1.50	18510.00	12150.00				MinPt-CtCt	
	2725.11	187.67	2599.50	2537.44	21.94	OSF1.50	18710.00	12150.00				MinPt-SF	
	2705.45	214.23	2562.13	2491.22	19.07	OSF1.50	19806.45	12150.00				MinPt-CtCt	
	2707.09	218.93	2560.63	2488.15	18.66	OSF1.50	19990.00	12150.00				MinPt-EOU	
	2708.37	220.47	2560.89	2487.90	18.54	OSF1.50	20050.00	12150.00				MinPt-ADP	
	2713.05	225.68	2562.12	2487.40	18.14	OSF1.50	20250.00	12150.00				MinPt-CtCt	
	2714.09	230.13	2560.17	2483.96	17.80	OSF1.50	20420.00	12150.00				MinPt-EOU	
	2715.17	231.43	2560.38	2483.74	17.70	OSF1.50	20470.00	12150.00				MinPt-ADP	
	2717.11	234.11	2560.63	2482.99	17.51	OSF1.50	20570.00	12150.00				MinPt-EOU	
	2718.40	235.68	2560.78	2482.72	17.40								

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	4755.91	32.81	4753.84	4723.11	48426.54	MAS = 10.00 (m)	23.00	23.00				WRP	
	4746.81	32.81	4734.34	4714.01	451.91	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4744.55	32.81	4727.94	4711.74	319.52	MAS = 10.00 (m)	1550.00	1550.00				MinPts	
	4745.08	32.81	4726.09	4712.27	275.23	MAS = 10.00 (m)	1810.00	1810.00				MinPt-EOU	
	5886.91	131.90	5798.44	5755.01	67.76	OSF1.50	8790.00	8695.66				MinPt-CtCi	
	5883.99	139.98	5790.13	5744.01	63.77	OSF1.50	9360.00	9265.66				MinPt-CtCi	
	5884.10	140.30	5790.04	5743.81	63.63	OSF1.50	9400.00	9305.66				MinPt-EOU	
	5884.24	140.46	5790.06	5743.78	63.55	OSF1.50	9420.00	9325.66				MinPt-ADP	
	5955.03	146.07	5857.11	5808.96	61.82	OSF1.50	10360.00	10265.66				MinPt-SF	
	2721.45	184.03	2598.26	2537.41	22.35	OSF1.50	18121.68	12150.00				MinPt-CtCi	
	2721.90	185.32	2597.85	2536.58	22.20	OSF1.50	18180.00	12150.00				MinPt-EOU	
	2722.26	185.76	2597.92	2536.50	22.15	OSF1.50	18200.00	12150.00				MinPt-ADP	
	2759.36	204.35	2622.62	2555.00	20.39	OSF1.50	19080.00	12150.00				MinPt-SF	
	2737.93	217.80	2592.24	2520.14	18.98	OSF1.50	19660.00	12150.00				MinPt-CtCi	
	2738.51	219.73	2591.53	2518.79	18.81	OSF1.50	19740.00	12150.00				MinPt-EOU	
	2739.29	220.68	2591.67	2518.61	18.74	OSF1.50	19780.00	12150.00				MinPt-ADP	
	2751.57	230.48	2597.42	2521.09	18.02	OSF1.50	20180.00	12150.00				MinPt-ADP	
	2751.51	244.51	2588.01	2507.01	16.97	OSF1.50	20730.00	12150.00				MinPt-CtCi	
	2743.82	261.24	2569.16	2482.58	15.84	OSF1.50	21370.00	12150.00				MinPt-CtCi	
	2737.12	277.99	2551.29	2459.12	14.84	OSF1.50	21980.00	12150.00				MinPt-CtCi	
	2738.01	282.89	2548.91	2455.11	14.59	OSF1.50	22160.00	12150.00				MinPt-EOU	
	2738.42	283.37	2549.01	2455.05	14.56	OSF1.50	22180.00	12150.00				MinPt-ADP	
	2747.60	286.95	2555.80	2460.65	14.43	OSF1.50	22347.44	12150.00				MinPt-SF	
Cimarex Triste Draw 25 Federal #14H Rev0 RM 22Mar17 (NonDefinitivePlan)													Pass
	4633.03	32.81	4631.03	4600.22	198499.01	MAS = 10.00 (m)	0.00	0.00				Surface	
	4633.03	32.81	4630.98	4600.22	62216.11	MAS = 10.00 (m)	23.00	23.00				WRP	
	4633.03	32.81	4622.37	4600.22	533.57	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4633.03	32.81	4616.65	4600.22	316.82	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4633.10	32.81	4616.56	4600.29	313.37	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5740.15	113.99	5663.60	5626.16	76.65	OSF1.50	9050.00	8955.66				MinPt-EOU	
	5740.22	114.07	5663.61	5626.15	76.60	OSF1.50	9060.00	8965.66				MinPt-ADP	
	5883.13	123.94	5799.20	5759.19	73.46	OSF1.50	10360.00	10265.66				MinPt-SF	
	2737.80	186.76	2608.88	2551.04	23.55	OSF1.50	18650.00	12150.00				MinPt-CtCi	
	2737.81	277.63	2548.31	2460.18	15.46	OSF1.50	22110.00	12150.00				MinPt-CtCi	
	2738.15	278.94	2547.75	2459.22	15.39	OSF1.50	22160.00	12150.00				MinPt-EOU	
	2738.54	279.44	2547.79	2459.10	15.36	OSF1.50	22180.00	12150.00				MinPt-ADP	
	2747.50	283.19	2554.14	2464.31	15.22	OSF1.50	22347.44	12150.00				MinPt-SF	
Cimarex Triste Draw 25 Federal #14H Rev1 RM 09May19 (DefinitivePlan)													Pass
	4573.23	32.81	4571.23	4540.42	203695.59	MAS = 10.00 (m)	0.00	0.00				Surface	
	4573.23	32.81	4571.18	4540.42	62154.85	MAS = 10.00 (m)	23.00	23.00				WRP	
	4573.23	32.81	4562.57	4540.42	526.30	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4573.23	32.81	4556.85	4540.42	312.60	MAS = 10.00 (m)	1800.00	1800.00				MinPts	
	4573.30	32.81	4556.76	4540.49	309.19	MAS = 10.00 (m)	1820.00	1820.00				MinPt-EOU	
	5707.55	105.68	5636.56	5601.87	82.25	OSF1.50	9060.00	8965.66				MinPt-EOU	
	5707.76	105.94	5636.58	5601.82	82.07	OSF1.50	9090.00	8995.66				MinPt-ADP	
	5848.65	116.49	5769.70	5732.15	77.82	OSF1.50	10360.00	10265.66				MinPt-SF	
	2772.81	176.26	2650.94	2596.55	25.37	OSF1.50	18138.35	12150.00				MinPt-CtCi	
	2772.85	279.61	2582.09	2493.24	15.53	OSF1.50	22110.00	12150.00				MinPt-CtCi	
	2773.37	281.20	2581.51	2492.17	15.45	OSF1.50	22170.00	12150.00				MinPt-EOU	
	2773.83	281.71	2581.62	2492.12	15.42	OSF1.50	22190.00	12150.00				MinPt-ADP	
	2782.47	285.30	2587.76	2497.17	15.28	OSF1.50	22347.44	12150.00				MinPt-SF	
30-025-31929 - TRISTE DRAW 36 STATE 001 - INC Only to 9150ft - P&G (DefinitiveSurvey)													Pass
	2832.21	32.81	2830.19	2799.40	73173.90	MAS = 10.00 (m)	0.00	0.00				Surface	
	2832.21	32.81	2829.79	2799.40	6388.20	MAS = 10.00 (m)	23.00	23.00				WRP	
	2832.21	103.98	2762.30	2728.23	41.53	OSF1.50	1800.00	1800.00				MinPt-CtCi	
	2835.55	114.36	2758.72	2721.19	37.75	OSF1.50	1960.00	1959.92				MinPt-EOU	
	2839.73	119.43	2759.52	2720.30	36.18	OSF1.50	2040.00	2039.72				MinPt-ADP	
	3733.10	612.98	3323.91	3120.12	9.16	OSF1.50	9230.00	9135.66				MinPts	
	3733.14	612.98	3323.94	3120.15	9.16	OSF1.50	9240.00	9145.66				MinPt-SF	
	4180.07	433.25	3890.74	3746.82	14.52	OSF1.50	12920.00	12150.00				MinPt-SF	
	3512.00	338.97	3285.52	3173.03	15.60	OSF1.50	15190.00	12150.00				MinPt-CtCi	
	3512.08	339.12	3285.60	3172.96	15.60	OSF1.50	15210.00	12150.00				MinPt-EOU	
	3512.16	339.20	3285.52	3172.95	15.59	OSF1.50	15220.00	12150.00				MinPt-ADP	
	4161.84	447.81	3862.80	3714.03	13.98	OSF1.50	17420.00	12150.00				MinPt-SF	
	7975.52	585.94	7584.39	7389.58	20.47	OSF1.50	22347.44	12150.00				TD	
30-025-42742 - QUESO STATE 7H - MWD to 13984ft - A (DefinitiveSurvey)													Pass
	3832.25	32.81	3830.27	3799.44	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
	3832.24	32.81	3830.26	3799.43	#####	MAS = 10.00 (m)	10.00	10.00				MinPts	
	3832.24	32.81	3830.26	3799.43	1005522.85	MAS = 10.00 (m)	23.00	23.00				WRP	
	3832.39	32.81	3830.18	3799.58	16244.72	MAS = 10.00 (m)	80.00	80.00				MinPt-EOU	
	3832.70	32.81	3830.17	3799.89	6985.05	MAS = 10.00 (m)	130.00	130.00				MinPt-EOU	
	3832.95	32.81	3830.17	3800.14	4775.68	MAS = 10.00 (m)	160.00	160.00				MinPt-EOU	
	3838.93	32.81	3829.67	3806.12	527.19	MAS = 10.00 (m)	810.00	810.00				MinPt-EOU	
	3841.71	32.81	3829.73	3808.90	384.18	MAS = 10.00 (m)	1080.00	1080.00				MinPt-EOU	
	3844.69	32.81	3828.45	3811.89	265.29	MAS = 10.00 (m)	1530.00	1530.00				MinPt-EOU	
	4964.50	135.33	4873.74	4829.17	55.67	OSF1.50	9050.00	8955.66				MinPt-EOU	
	4964.87	135.79	4873.80	4829.08	55.48	OSF1.50	9090.00	8995.66				MinPt-ADP	
	5019.89	139.74	4926.19	4880.15	54.50	OSF1.50	9830.00	9735.66				MinPt-SF	
	2842.78	164.95	2732.31	2677.83	26.07	OSF1.50	17439.87	12150.00				MinPt-CtCi	
	2843.16	166.08	2731.94	2677.08	25.90	OSF1.50	17490.00	12150.00				MinPt-EOU	
	2843.74	166.75	2732.08	2677.00	25.80	OSF1.50	17520.00	12150.00				MinPt-ADP	
	2846.94	171.39	2732.18	2675.55	25.12	OSF1.50	17740.00	12150.00				MinPt-EOU	
	2847.65	172.27	2732.30	2675.38	25.00	OSF1.50	17780.00	12150.00				MinPt-ADP	
	2852.30	182.36	2730.23	2669.94	23.64	OSF1.50	18230.00	12150.00					

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	8780.02	32.81	8777.97	8747.21	128098.08	MAS = 10.00 (m)	0.00	0.00				MinPts	
	8780.04	32.81	8777.97	8747.23	94343.80	MAS = 10.00 (m)	10.00	10.00				MinPt-EOU	
	8780.08	32.81	8777.97	8747.27	70041.48	MAS = 10.00 (m)	23.00	23.00				WRP	
	8780.66	32.81	8777.99	8747.85	12693.40	MAS = 10.00 (m)	140.00	140.00				MinPt-EOU	
	8784.17	32.81	8776.77	8751.37	2562.28	MAS = 10.00 (m)	440.00	440.00				MinPt-EOU	
	8788.66	32.81	8776.69	8755.85	871.54	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	8790.36	32.81	8775.16	8757.55	653.80	MAS = 10.00 (m)	1440.00	1440.00				MinPt-EOU	
	9843.13	107.59	9770.86	9735.54	139.30	OSF1.50	7070.00	6994.93				MinPts	
	10054.84	135.16	9964.20	9919.68	112.92	OSF1.50	9060.00	8965.66				MinPt-CtCt	
	10054.97	135.60	9964.03	9919.36	112.55	OSF1.50	9120.00	9025.66				MinPt-EOU	
	10055.15	135.83	9964.06	9919.32	112.36	OSF1.50	9150.00	9055.66				MinPt-ADP	
	10128.19	143.95	10031.69	9984.24	106.72	OSF1.50	10360.00	10265.66				MinPt-SF	
	2879.09	263.82	2702.71	2615.26	16.45	OSF1.50	22347.44	12150.00				MinPts	

30-025-43997 - Cimarex Triste Draw 25 Federal 11H MWD Off to 13774ft (DefinitiveSurvey)												Pass
4755.93	32.81	4753.95	4723.12	5455949.40	MAS = 10.00 (m)	0.00	0.00				MinPts	
4755.95	32.81	4753.90	4723.14	71305.65	MAS = 10.00 (m)	23.00	23.00				WRP	
4758.32	32.81	4747.99	4725.51	569.67	MAS = 10.00 (m)	920.00	920.00				MinPts	
4758.27	32.81	4746.54	4725.46	487.83	MAS = 10.00 (m)	1060.00	1060.00				MinPts	
4758.28	32.81	4746.26	4725.47	473.87	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
4759.76	32.81	4743.95	4726.95	338.60	MAS = 10.00 (m)	1510.00	1510.00				MinPt-EOU	
4761.07	32.81	4743.66	4728.26	304.15	MAS = 10.00 (m)	1670.00	1670.00				MinPt-EOU	
5813.18	124.06	5729.94	5689.12	71.19	OSF1.50	8300.00	8206.69				MinPt-ADP	
5826.01	135.44	5735.18	5690.57	65.28	OSF1.50	9120.00	9025.66				MinPt-CtCt	
5826.06	135.65	5735.09	5690.41	65.18	OSF1.50	9150.00	9055.66				MinPt-EOU	
5826.11	135.72	5735.10	5690.40	65.15	OSF1.50	9160.00	9065.66				MinPt-ADP	
5917.86	141.10	5823.25	5776.76	63.62	OSF1.50	10200.00	10105.66				MinPt-SF	
2888.23	180.52	2767.38	2707.70	24.19	OSF1.50	18248.02	12150.00				MinPt-CtCt	
2888.68	181.94	2766.89	2706.74	24.00	OSF1.50	18310.00	12150.00				MinPt-EOU	
2889.61	183.04	2767.08	2706.57	23.86	OSF1.50	18360.00	12150.00				MinPt-ADP	
2902.34	190.29	2774.99	2712.06	23.05	OSF1.50	18700.00	12150.00				MinPt-SF	
2899.85	194.72	2769.54	2705.13	22.50	OSF1.50	18910.00	12150.00				MinPt-CtCt	
2897.38	202.17	2762.09	2695.20	21.65	OSF1.50	19240.00	12150.00				MinPt-CtCt	
2898.51	205.49	2761.02	2693.02	21.30	OSF1.50	19380.00	12150.00				MinPt-EOU	
2899.93	207.15	2761.33	2692.78	21.14	OSF1.50	19450.00	12150.00				MinPt-ADP	
2899.82	213.86	2756.74	2685.96	20.47	OSF1.50	19730.00	12150.00				MinPt-CtCt	
2900.77	216.82	2755.73	2683.95	20.20	OSF1.50	19850.00	12150.00				MinPt-EOU	
2901.81	218.05	2755.94	2683.76	20.09	OSF1.50	19900.00	12150.00				MinPt-ADP	
2909.16	232.17	2753.90	2677.01	18.91	OSF1.50	20460.00	12150.00				MinPt-CtCt	
2910.06	234.71	2753.08	2675.35	18.71	OSF1.50	20560.00	12150.00				MinPt-EOU	
2911.13	235.96	2753.32	2675.17	18.61	OSF1.50	20610.00	12150.00				MinPt-ADP	
2911.04	239.99	2750.55	2671.05	18.30	OSF1.50	20760.00	12150.00				MinPt-CtCt	
2912.32	243.61	2749.42	2668.71	18.03	OSF1.50	20900.00	12150.00				MinPt-EOU	
2913.82	245.41	2749.72	2668.41	17.91	OSF1.50	20970.00	12150.00				MinPt-ADP	
2920.34	250.80	2752.65	2669.55	17.56	OSF1.50	21170.00	12150.00				MinPt-EOU	
2922.52	253.42	2753.08	2669.10	17.39	OSF1.50	21270.00	12150.00				MinPt-ADP	
2924.64	257.02	2752.80	2667.63	17.16	OSF1.50	21400.00	12150.00				MinPt-EOU	
2926.17	258.84	2753.11	2667.33	17.05	OSF1.50	21470.00	12150.00				MinPt-ADP	
2931.33	265.09	2754.11	2666.25	16.67	OSF1.50	21690.00	12150.00				MinPt-CtCt	
2933.83	271.56	2752.28	2662.26	16.29	OSF1.50	21930.00	12150.00				MinPt-EOU	
2935.60	273.68	2752.65	2661.92	16.17	OSF1.50	22010.00	12150.00				MinPt-ADP	
2950.82	282.14	2762.23	2668.68	15.76	OSF1.50	22347.44	12150.00				MinPt-SF	

30-025-42102 - Cimarex Triste Draw 25 Federal 8H MWD Off to 14100ft (Definitive Survey)												Pass	
	4755.93	32.81	4753.95	4723.12	N/A	MAS = 10.00 (m)	0.00	0.00				MinPts	
	4755.94	32.81	4753.90	4723.13	79493.44	MAS = 10.00 (m)	23.00	23.00				WRP	
	4756.07	32.81	4753.84	4723.26	19284.27	MAS = 10.00 (m)	70.00	70.00				MinPt-EOU	
	4756.42	32.81	4753.84	4723.61	8045.53	MAS = 10.00 (m)	130.00	130.00				MinPt-EOU	
	4757.17	32.81	4753.94	4724.37	3785.60	MAS = 10.00 (m)	210.00	210.00				MinPt-EOU	
	4757.77	32.81	4753.94	4724.96	2570.46	MAS = 10.00 (m)	270.00	270.00				MinPt-EOU	
	4762.53	32.81	4750.87	4729.72	492.08	MAS = 10.00 (m)	1030.00	1030.00				MinPts	
	4762.62	32.81	4750.45	4729.81	467.00	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU	
	4765.83	32.81	4746.76	4733.02	275.30	MAS = 10.00 (m)	1810.00	1810.00				MinPts	
	5880.83	114.88	5803.71	5765.95	77.86	OSF1.50	7470.00	7388.85				MinPt-ADP	
	6012.68	141.24	5917.98	5871.44	64.58	OSF1.50	9320.00	9225.66				MinPt-CtCt	
	6012.78	141.54	5917.88	5871.24	64.44	OSF1.50	9360.00	9265.66				MinPt-EOU	
	6012.91	141.68	5917.92	5871.23	64.37	OSF1.50	9380.00	9285.66				MinPt-ADP	
	6091.24	147.26	5992.53	5943.98	62.72	OSF1.50	10360.00	10265.66				MinPt-SF	
	3038.20	191.63	2909.95	2846.57	23.96	OSF1.50	18160.00	12150.00				MinPt-CtCt	
	3038.54	192.68	2909.58	2845.85	23.83	OSF1.50	18210.00	12150.00				MinPt-EOU	
	3039.05	193.31	2909.68	2845.74	23.75	OSF1.50	18240.00	12150.00				MinPt-ADP	
	3013.46	243.82	2850.41	2769.64	18.64	OSF1.50	20440.00	12150.00				MinPt-CtCt	
	3014.75	247.76	2849.08	2766.99	18.35	OSF1.50	20600.00	12150.00				MinPt-EOU	
	3001.47	264.50	2824.63	2736.97	17.11	OSF1.50	21240.00	12150.00				MinPt-CtCt	
	3002.48	267.81	2823.44	2734.67	16.90	OSF1.50	21370.00	12150.00				MinPt-EOU	
	2991.78	288.28	2799.09	2703.50	15.64	OSF1.50	22112.24	12150.00				MinPt-CtCt	
	2992.16	289.40	2798.73	2702.77	15.58	OSF1.50	22160.00	12150.00				MinPt-EOU	
	2992.55	289.85	2798.82	2702.70	15.56	OSF1.50	22180.00	12150.00				MinPt-ADP	
	3001.01	293.29	2804.98	2707.72	15.42	OSF1.50	22347.44	12150.00				MinPt-SF	

30-025-42198 - Cimarex Triste Draw 25 Federal 9H MWD Off to 13793ft (DefinitiveSurvey)												Pass
	4755.93	32.81	4753.95	4723.12	N/A	MAS = 10.00 (m)	0.00	0.00				Surface
	4755.91	32.81	4753.81	4723.10	42525.91	MAS = 10.00 (m)	23.00	23.00				WRP
	4753.29	32.81	4746.56	4720.49	1000.07	MAS = 10.00 (m)	540.00	540.00				MinPts
	4754.65	32.81	4742.52	4721.84	468.32	MAS = 10.00 (m)	1090.00	1090.00				MinPt-EOU
	4754.65	32.81	4742.64	4721.84	463.92	MAS = 10.00 (m)	1100.00	1100.00				MinPts
	4757.50	32.81	4738.40	4724.69	274.26	MAS = 10.00 (m)	1810.00	1810.00				MinPts
	4757.75	32.81	4738.22	4724.95	267.54	MAS = 10.00 (m)	1850.00	1850.00				MinPt-EOU
	5947.74	135.79	5856.68	5811.95	66.47	OSF1.50	9020.00	8925.66				MinPt-CtCt
	5947.86	136.10	5856.59	5811.76	66.32	OSF1.50	9060.00	8965.66				MinPt-EOU
	5947.99	136.25	5856.62	5811.74	66.25	OSF1.50	9080.00	8985.66				MinPt-ADP
	6078.22	143.29	5982.16	5934.93	64.34	OSF1.50	10360.00	10265.66				MinPt-SF
	3149.13	183.15	3026.53	2965.98	25.99	OSF1.50	18080.00	12150.00				MinPt-CtCt
	3149.61	184.66	3026.00	2964.95	25.78	OSF1.50	18150.00	12150.00				MinPt-EOU
	3150.33	185.52	3026.15	2964.81	25.67	OSF1.50	18190.00	12150.00				MinPt-ADP
	3119.72	217.45	2974.25	2902.27	21.66	OSF1.50	19627.00	12150.00				MinPt-CtCt
	3120.77	220.16	2973.50	2900.62	21.40	OSF1.50	19740.00	12150.00				MinPt-EOU
	3124.43	224.52	2974.25	2899.91	21.00	OSF1.50	19920.00	12150.00				MinPt-ADP
	3127.72	235.57	2970.17	2892.15	20.03	OSF1.50	20360.00	12150.00				MinPt-CtCt
	3128.81	239.84	2968.42	2888.98	19.68	OSF1.50	20530.00	12150.00				MinPt-EOU
	3130.49	241.83	2968.77	2888.66	19.53	OSF1.50	20610.00	12150.00				MinPt-ADP
	3139.92	252.60	2971.02	2887.32	18.75	OSF1.50	21020.00	12150.00				MinPt-ADP
	3145.38	265.28	2968.03	2880.11	17.88	OSF1.50	21490.00	12150.00				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
	3154.27	276.31	2969.57	2877.96	17.21	OSF1.50	21900.00	12150.00				MinPt-ADP	
	3158.87	283.59	2969.31	2875.28	16.79	OSF1.50	22160.00	12150.00				MinPt-EOU	
	3159.46	284.29	2969.44	2875.17	16.75	OSF1.50	22190.00	12150.00				MinPt-ADP	
	3167.25	287.66	2974.97	2879.59	16.59	OSF1.50	22347.44	12150.00				MinPt-SF	
Estacodo Fields #002 (Offset) Plugged SWD Blind Off-5206ft (DefinitiveSurvey)													Pass
	5479.75	32.81	5477.03	5446.94	7469.43	MAS = 10.00 (m)	0.00	0.00				Surface	
	5479.75	32.81	5474.62	5446.94	1742.87	MAS = 10.00 (m)	23.00	23.00				WRP	
	5479.75	541.12	5118.41	4938.63	15.23	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	5996.47	1604.83	4926.04	4391.64	5.61	OSF1.50	5230.00	5182.91				MinPts	
	5998.11	1605.81	4927.03	4392.30	5.64	OSF1.50	5240.00	5192.76				MinPt-SF	
	7237.43	471.22	6921.62	6766.21	23.27	OSF1.50	18160.00	12150.00				MinPt-CtCt	
	7237.80	472.04	6921.44	6765.76	23.23	OSF1.50	18230.00	12150.00				MinPt-EOU	
	7240.00	474.55	6921.97	6765.46	23.11	OSF1.50	18350.00	12150.00				MinPt-ADP	
	8363.11	923.09	7746.20	7440.01	13.65	OSF1.50	22347.44	12150.00				MinPt-SF	
H L Johnston L SR Pre-Ongard Well #001 (Offset) Plugged Oil Blind Off-5151ft (DefinitiveSurvey)													Pass
	8370.01	32.81	8365.25	8337.20	3014.11	MAS = 10.00 (m)	0.00	0.00				Surface	
	8370.01	32.81	8362.84	8337.20	1613.62	MAS = 10.00 (m)	23.00	23.00				WRP	
	8370.01	547.24	8004.59	7822.76	23.01	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	8908.65	1586.16	7850.67	7322.49	8.43	OSF1.50	5150.00	5104.13				MinPt-EOU	
	8910.38	1588.48	7850.86	7321.90	8.42	OSF1.50	5160.00	5113.98				MinPts	
	9925.95	1126.29	9173.75	8799.66	13.26	OSF1.50	14460.00	12150.00				MinPt-SF	
	7113.30	312.92	6903.02	6800.30	34.63	OSF1.50	20430.00	12150.00				MinPt-ADP	
	7038.50	236.89	6878.89	6801.61	45.51	OSF1.50	21458.85	12150.00				MinPt-CtCt	
	7063.28	284.27	6872.09	6779.01	37.92	OSF1.50	22050.00	12150.00				MinPt-EOU	
	7094.37	325.99	6875.37	6768.38	33.13	OSF1.50	22347.44	12150.00				MinPts	
Continental - Pre-Ongard Well #003 (Offset) Plugged Oil Blind Off-5200ft (DefinitiveSurvey)													Pass
	7436.80	32.81	7434.28	7403.99	13814.22	MAS = 10.00 (m)	0.00	0.00				Surface	
	7436.80	32.81	7433.88	7403.99	7952.10	MAS = 10.00 (m)	23.00	23.00				WRP	
	7436.80	95.81	7372.34	7340.99	118.58	OSF1.50	1800.00	1800.00				MinPt-CtCt	
	7438.53	101.08	7370.55	7337.44	112.31	OSF1.50	1900.00	1899.98				MinPt-EOU	
	7440.69	103.71	7370.96	7336.99	109.45	OSF1.50	1950.00	1949.93				MinPt-ADP	
	7983.21	273.63	7800.25	7709.58	44.01	OSF1.50	5220.00	5173.06				MinPt-SF	
	7053.07	219.17	6905.26	6833.90	49.38	OSF1.50	20473.02	12150.00				MinPt-CtCt	
	7054.04	221.96	6904.37	6832.08	48.75	OSF1.50	20590.00	12150.00				MinPt-EOU	
	7055.05	223.17	6904.57	6831.88	48.49	OSF1.50	20640.00	12150.00				MinPt-ADP	
	7297.90	266.42	7118.64	7031.49	41.84	OSF1.50	22347.44	12150.00				MinPt-SF	



COTERRA

Rev0



Borehole:	Well:	Field:	Structure:
Triste Draw 36-25 Federal Com 352H	Triste Draw 36-25 Federal Com 352H	NM Lea County (NAD 83)	Coterra Triste Draw 36-25 Fed Com E2W2 Pad

Gravity & Magnetic Parameters	Surface Location	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Miscellaneous
Model: HDGM 2023	Lat: N 32 15 26.14	Northing: 458039.28ftUS	Slot: 352H
MagDec: 6.242°	Lon: W 103 37 44.49	Easting: 759055.48ftUS	Plan: Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdy 19Oct23
Dip: 59.802°		Grid Conv: 0.3759°	TVD Ref: RKB (3679.800 ft above MSL)
FS: 47454.878nT		Scale Fact: 0.99996338	
Date: 29-Sep-2023			
Gravity FS: 998.438mgn (9.80665 Based)			

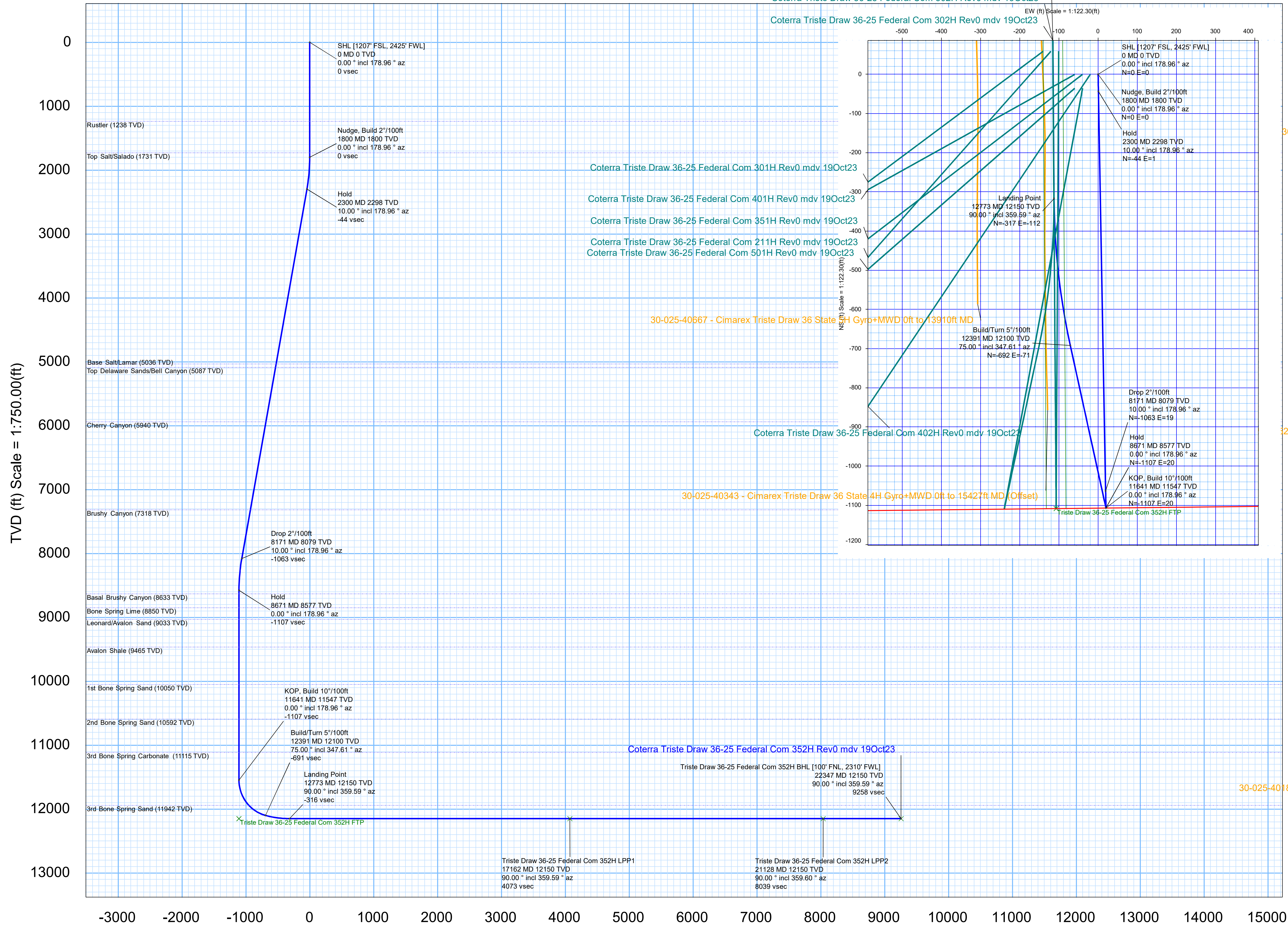
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [1207' FSL, 2425' FWL]	0.00	0.00	178.96	0.00	0.00	0.00	0.00	
Rustler	1238.00	0.00	178.96	1238.00	0.00	0.00	0.00	0.00
Top Salt/Salado	1731.00	0.00	178.96	1731.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1800.00	0.00	178.96	1800.00	0.00	0.00	0.00	0.00
Hold	2300.22	10.00	178.96	2297.69	-43.56	-43.55	0.79	2.00
Base Salt/Lamar	5080.82	10.00	178.96	5036.00	-526.59	-526.53	9.51	0.00
Top Delaware Sands/Bell Canyon	5132.61	10.00	178.96	5087.00	-535.58	-535.53	9.68	0.00
Cherry Canyon	5998.78	10.00	178.96	5940.00	-686.05	-685.98	12.40	0.00
Brushy Canyon	7398.05	10.00	178.96	7318.00	-929.13	-929.03	16.79	0.00
Drop 2°/100ft	8170.76	10.00	178.96	8078.95	-1063.36	-1063.25	19.21	0.00
Hold	8670.98	0.00	178.96	8576.64	-1106.91	-1106.80	20.00	2.00
Basal Brushy Canyon	8727.34	0.00	178.96	8633.00	-1106.91	-1106.80	20.00	0.00
Bone Spring Lime	8944.34	0.00	178.96	8850.00	-1106.91	-1106.80	20.00	0.00
Leonard/Avalon Sand	9127.34	0.00	178.96	9033.00	-1106.91	-1106.80	20.00	0.00
Avalon Shale	9559.34	10.00	178.96	9465.00	-1106.91	-1106.80	20.00	0.00
1st Bone Spring Sand	10144.34	0.00	178.96	10050.00	-1106.91	-1106.80	20.00	0.00
2nd Bone Spring Sand	10686.34	0.00	178.96	10592.00	-1106.91	-1106.80	20.00	0.00
3rd Bone Spring Carbonate	11209.34	0.00	178.96	11115.00	-1106.91	-1106.80	20.00	0.00
KOP, Build 10°/100ft	11640.98	0.00	178.96	11546.64	-1106.91	-1106.80	20.00	0.00
3rd Bone Spring Sand	12077.31	43.63	347.61	11942.00	-952.22	-952.12	-13.96	10.00
Build/Turn 5°/100ft	12390.98	75.00	347.61	12100.07	-691.50	-692.03	-71.12	10.00
Landing Point	12773.19	90.00	359.59	12150.00	-616.34	-317.15	-112.48	5.00
Triste Draw 36-25 Federal Com 352H LPP1	17162.33	90.00	359.59	12150.00	4072.80	4071.88	-143.91	0.00
Triste Draw 36-25 Federal Com 352H LPP2	21288.39	90.00	359.60	12150.00	8038.87	8037.84	-172.03	0.00
Triste Draw 36-25 Federal Com 352H BHL [100' FNL, 2310' FWL]	22347.44	90.00	359.59	12150.00	9257.91	9256.86	-180.68	0.00



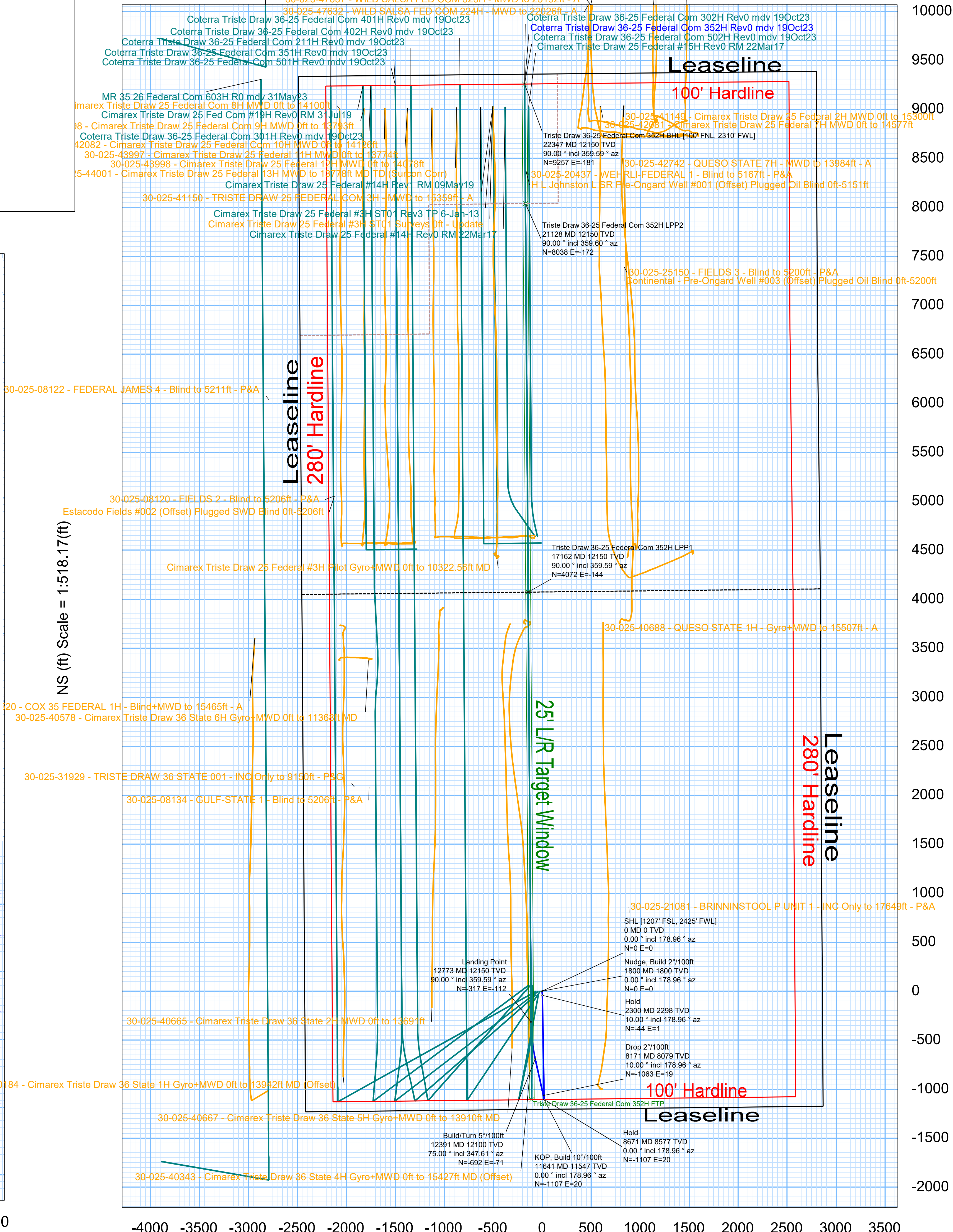
Grid
True
Mag

Grid North
Tot Corr (M->G 5.866°)
Mag Dec (6.242°)
Grid Conv (0.376°)

CONTROLLED	
Plan ref	Coterra Triste Draw 36-25 Federal Com 352H Rev0 mdy 19Oct23
Drawing ref	
Copy number	of 3
Date	23-Oct-2023
1 Client	
2 Client	
3 Office	
4 Office	
Copy number	for



Vertical Section (ft) Azim = 359.59° Scale = 1:750.00(ft) Origin = 0N/-S, 0E/-W



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

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

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

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

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

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

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

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

(Continued on page 2)

*(Instructions on page 2)



Approval Date: 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 well, and any other required information, should be furnished when required by Federal agency offices.

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

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

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

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

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

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

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

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

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

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

Additional Operator Remarks

Location of Well

0. SHL: SESW / 1207 FSL / 2425 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.257262 / LONG: -103.629024 (TVD: 0 feet, MD: 0 feet)
PPP: SESW / 100 FSL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.254218 / LONG: -103.629394 (TVD: 11546 feet, MD: 11640 feet)
PPP: SENW / 1319 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.279357 / LONG: -103.62941 (TVD: 12150 feet, MD: 21128 feet)
PPP: NENE / 0 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 36 / LAT: 32.268456 / LONG: -103.629403 (TVD: 12150 feet, MD: 17162 feet)
BHL: NENW / 100 FNL / 2310 FWL / TWSP: 23S / RANGE: 32E / SECTION: 25 / LAT: 32.282708 / LONG: -103.629412 (TVD: 12150 feet, MD: 22488 feet)

BLM Point of Contact

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

CONFIDENTIAL

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.

CONFIDENTIAL

TRISTE DRAW 36-25 FEDERAL COM 352H**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

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

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.

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

Coterra: H2S Plan



H2S Drilling Operations Plan

Training

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

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

H2S Detection and Alarm Systems

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

Windsock and/or wind streamers

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

Condition Flags & Signs

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

Coterra: H2S Plan

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

Well Control Equipment

1. See the pressure control section of this submission.

Communication

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

Drillstem Testing

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

Coterra: H2S Plan

H2S Contingency Plan

Emergency Procedures

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

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

Ignition of the Gas Source

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

Contacting Authorities

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

Coterra: H2S Plan

Emergency Contacts

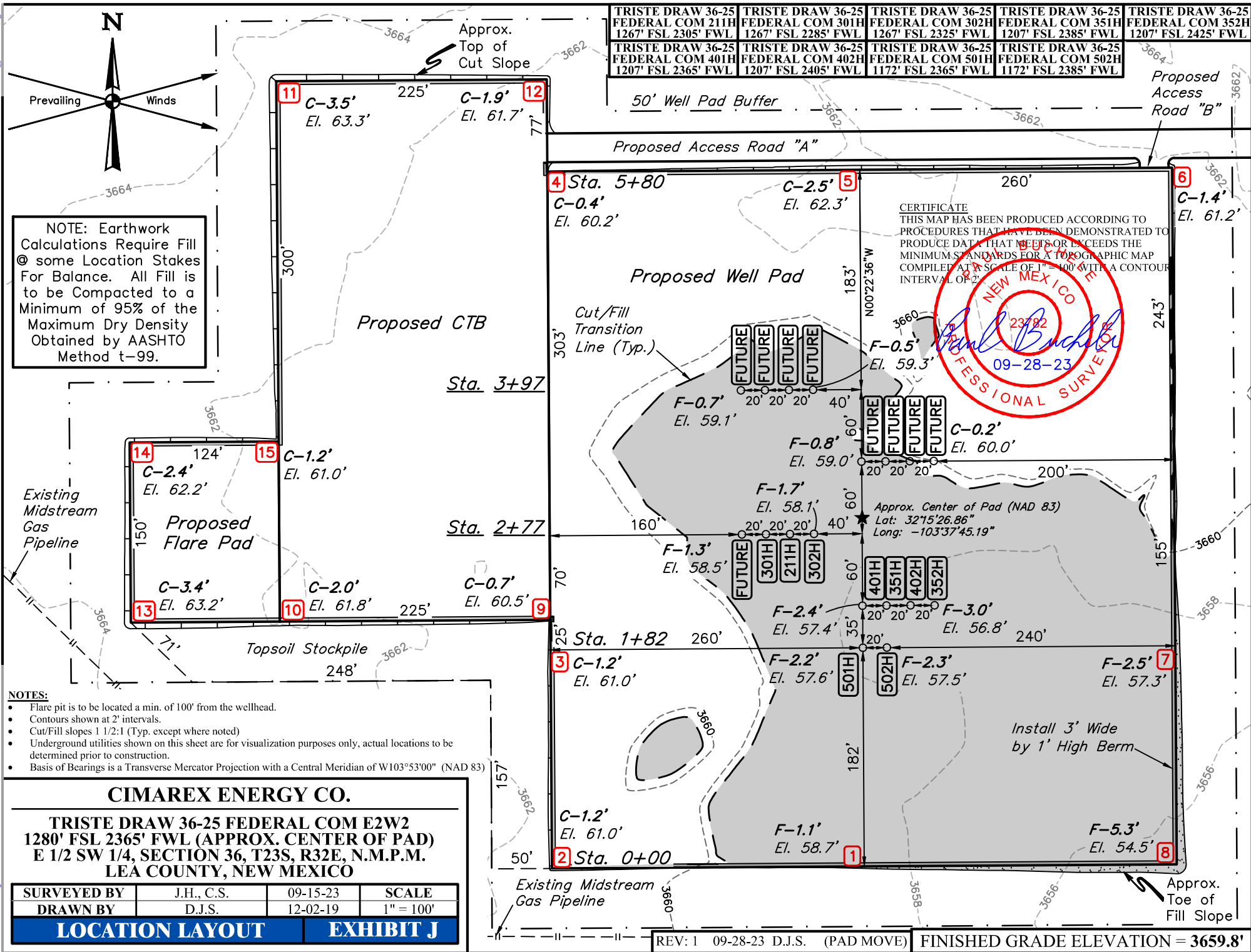
Coterra Energy

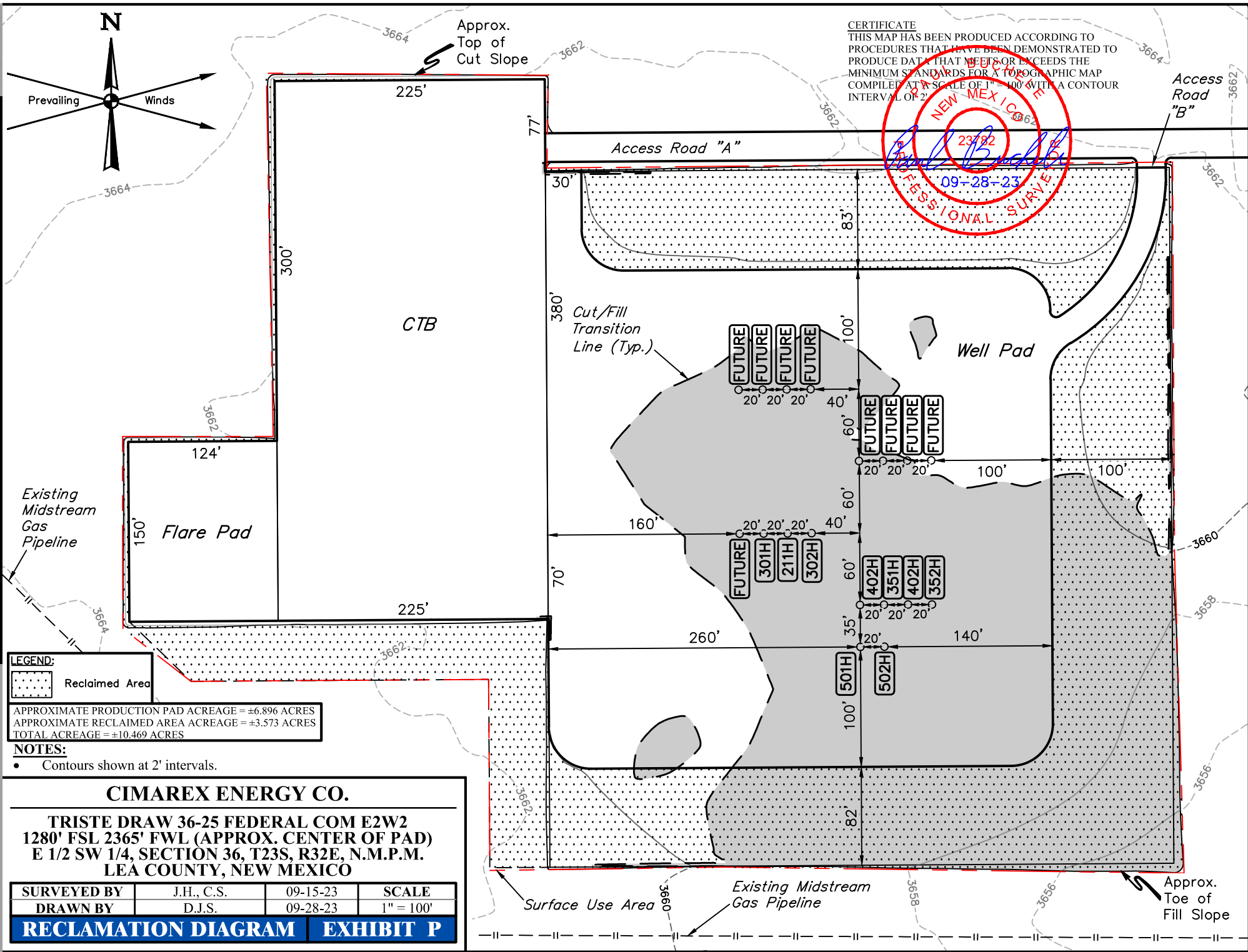
Charlie Pritchard: Drilling Operations Manager: 432 – 238 – 7084

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

Third Party

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





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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96603	³ Pool Name Triste Draw; Bone Spring
⁴ Property Code	⁵ Property Name TRISTE DRAW 36-25 FEDERAL COM	⁶ Well Number 352H
⁷ OGRID No. 215099	⁸ Operator Name CIMAREX ENERGY CO.	⁹ Elevation 3656.8'

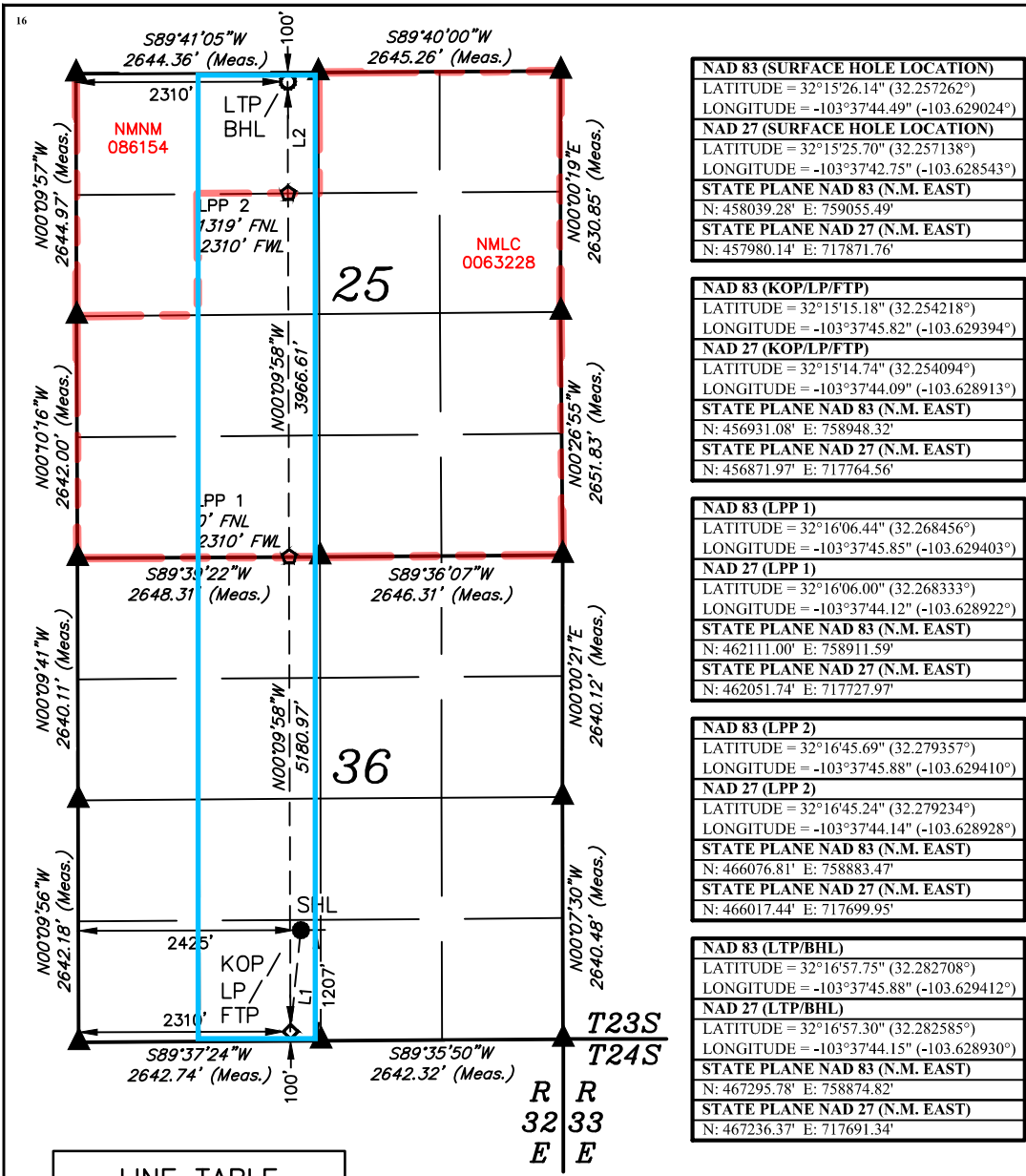
¹⁰ Surface Location

UL or lot no. N	Section 36	Township 23S	Range 32E	Lot Idn	Feet from the 1207	North/South line SOUTH	Feet from the 2425	East/West line WEST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 25	Township 23S	Range 32E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 2310	East/West line WEST	County LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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



¹⁷ OPERATOR CERTIFICATION

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

Shelly Bowen 09/23/23
Signature Date

Shelly Bowen
Printed Name

shelly.bowen@coterra.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

September 15, 2023

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:



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

Drilling Plan Data Report

06/14/2024

APD ID: 10400095890

Submission Date: 11/20/2023

Highlighted data
reflects the most
recent changes

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 352H

Well Type: OIL WELL

Well Work Type: Drill

[Show Final Text](#)

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
13602743	RUSTLER	0	1238	1238	ANHYDRITE	USEABLE WATER	N
13602744	TOP SALT	-1731	1731	1731	HALITE	NONE	N
13602742	LAMAR	-5036	5036	5036	SANDSTONE	NONE	N
13602745	BASE OF SALT	-5036	5036	5080	LIMESTONE	NONE	N
13602746	BELL CANYON	-5087	5087	5132	SANDSTONE	NATURAL GAS, OIL	Y
13602747	CHERRY CANYON	-5940	5940	5998	SANDSTONE	NATURAL GAS	Y
13602748	BRUSHY CANYON	-7318	7318	7398	SANDSTONE	NATURAL GAS, OIL	Y
13602749	BONE SPRING LIME	-8850	8850	8944	LIMESTONE	NONE	N
13602750	AVALON SAND	-9033	9033	9127	SHALE	NATURAL GAS, OIL	Y
13602751	BONE SPRING 1ST	-10050	10050	10144	SANDSTONE	NATURAL GAS, OIL	Y
13602752	BONE SPRING 2ND	-10592	10592	10686	SANDSTONE	NATURAL GAS, OIL	Y
13602753	BONE SPRING 3RD	-11115	11115	11209	OTHER : Carbonate	NATURAL GAS, OIL	Y
13602754	BONE SPRING 3RD	-11942	11942	12077	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COM

Well Number: 352H

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.

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_20240424114440.pdf
- COTERRA_MBU_3T_CFL_20_X_13.38_X_9.58_X_7_X_4.5_20240424114441.pdf
- COTERRA_5K_PROD_TREE_20240424114441.pdf
- CHOKE_HOSE_M14856_404H_20240424114444.pdf

BOP Diagram Attachment:

- 5M_BOP_DIAGRAM_20240424114451.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	5.21	DRY	5.21
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	5112	0	5067	3658	-1409	5112	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	12390	0	12100	3658	-8442	12390	P-110	29	BUTT	1.51	1.98	DRY	69.64	DRY	69.64
4	LINER	6	4.5	NEW	API	N	11140	22347	12100	12150	-8442	-8492	11207	P-110	11.6	BUTT	1.26	1.78	DRY	31.32	DRY	31.32

Casing Attachments

Operator Name: CIMAREX ENERGY COMPANY

Well Name: TRISTE DRAW 36-25 FEDERAL COMWell Number: 352H

Casing Attachments

Casing ID: 1StringSURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2StringINTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Assumptions_20240603090637.pdf

Casing ID: 3StringPRODUCTION

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 COMWell Number: 352H

Casing Attachments

Casing ID: 4StringLINER

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		
LINER	Tail		12437	22488	739	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	228	45	Class C	LCM
INTERMEDIATE	Lead		0	4852	963	1.88	12.9	1811	51	36:65 (Poz c)	Salt, Bentonite
INTERMEDIATE	Tail		4852	5152	292	1.34	14.8	391	51	Class C	LCM
PRODUCTION	Lead		4952	11390	414	3.64	10.3	1506	25	Tuned Light	LCM
PRODUCTION	Tail		11390	12390	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:** 352H

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	5112	OTHER : Brine water	9.5	10							
5112	12390	OTHER : Cut brine or OBM	8.5	9							
12773	22347	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:

DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Operator Name: CIMAREX ENERGY COMPANY**Well Name:** TRISTE DRAW 36-25 FEDERAL COM**Well Number:** 352H

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 geohazards description:****Contingency Plans geohazards****Hydrogen Sulfide drilling operations plan required?** YES**Hydrogen sulfide drilling operations**

H2S_PLAN_REV.0_20240424115403.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

352H_Directional_20231116121931.pdf

352H_AC_Summary_20231116121931.pdf

352H_Well_Plan_20231116121931.pdf

GEOPROG_Triste_Draw_36_25_Fed_Com_352H_3rd_Sand_JAB_20231120132009.pdf

WELL_CONTROL_PLAN_REV.0_20240424115621.pdf

_5_14_2024_11_38_06_AM_Proposal_100_Coterra_Triste_Draw_36_25_Federal_Com_352H_Rev0_mdv_19Oct23_20240514103849.pdf

352H_Drilling_Plan_updated_04242024_20240603090655.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

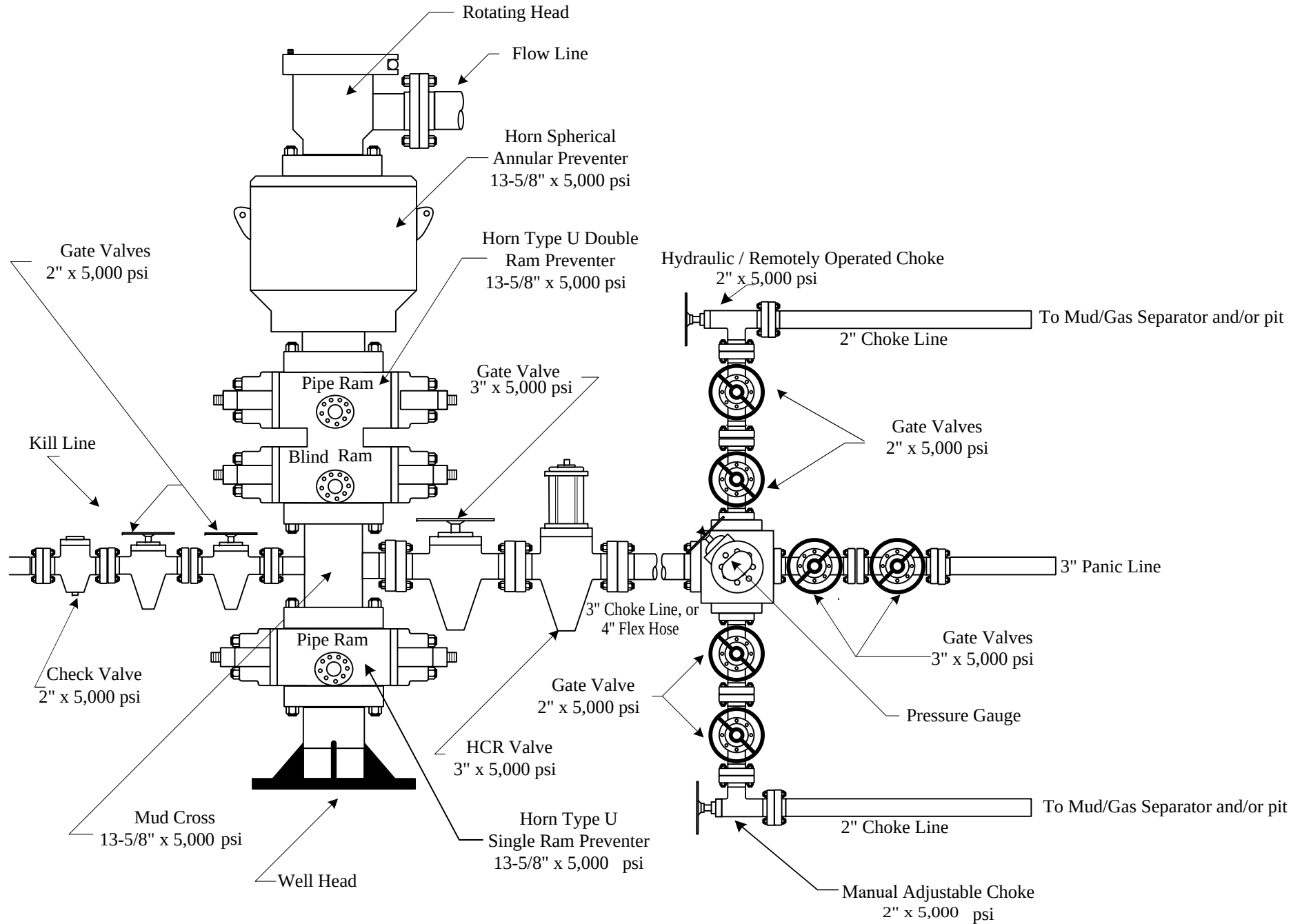
Triste_Draw_36_25_Federal_Com_352H_Natural_Gas_Plan_Cimarex_20231116121942.pdf

Other Variance attachment:

NEW_MEXICO_STANDARD_VARIANCES_Triste_351H_352H_20240424115235.pdf

CHOKE_HOSE_M14856_404H_20240424115254.pdf

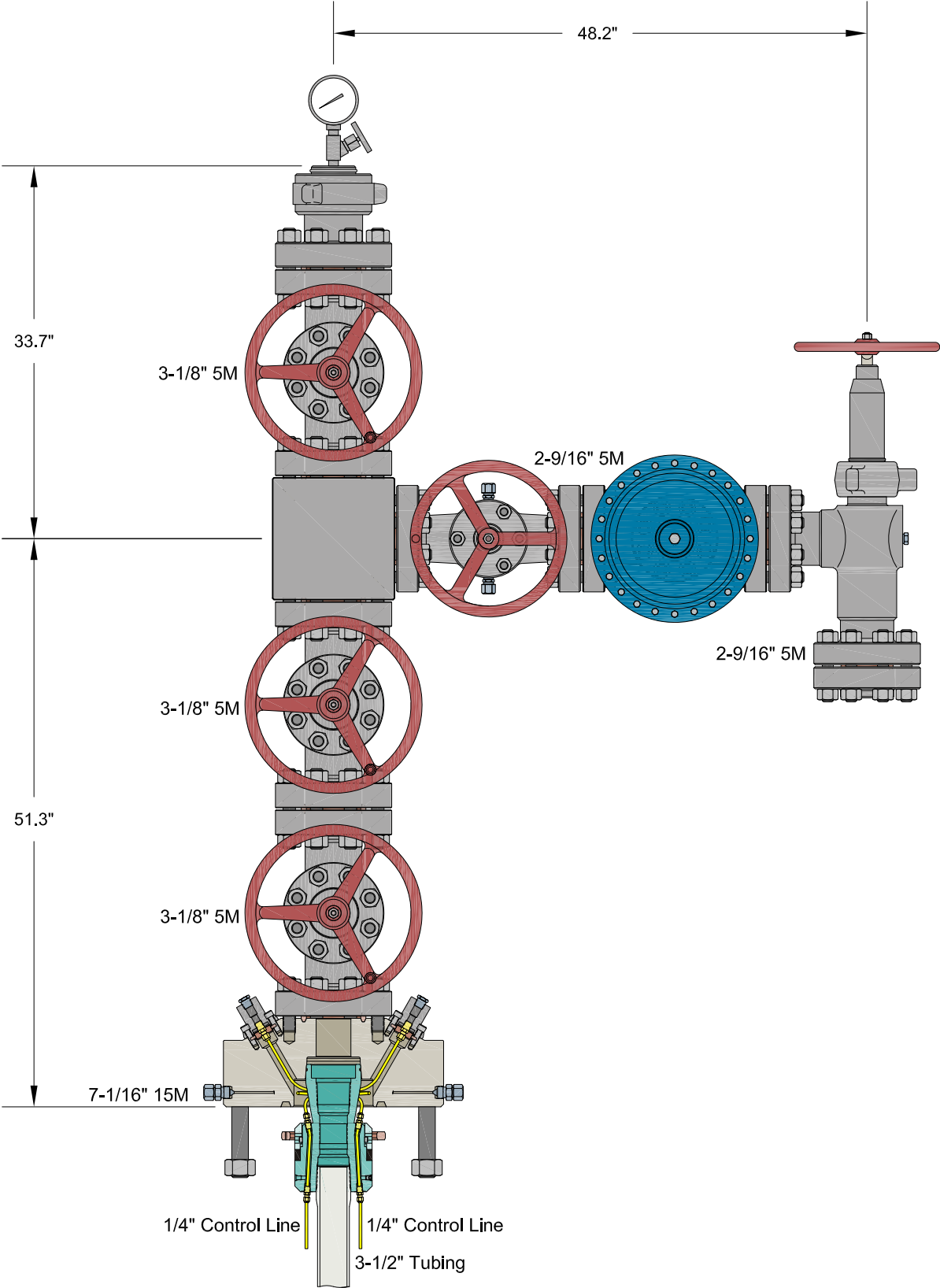
CONFIDENTIAL





CIMAREX
HOBBS, NM

DRAWN	VJK	01FEB24
APPRV		
DRAWING NO. HBE0001053		



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 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	

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

[illegible]

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	

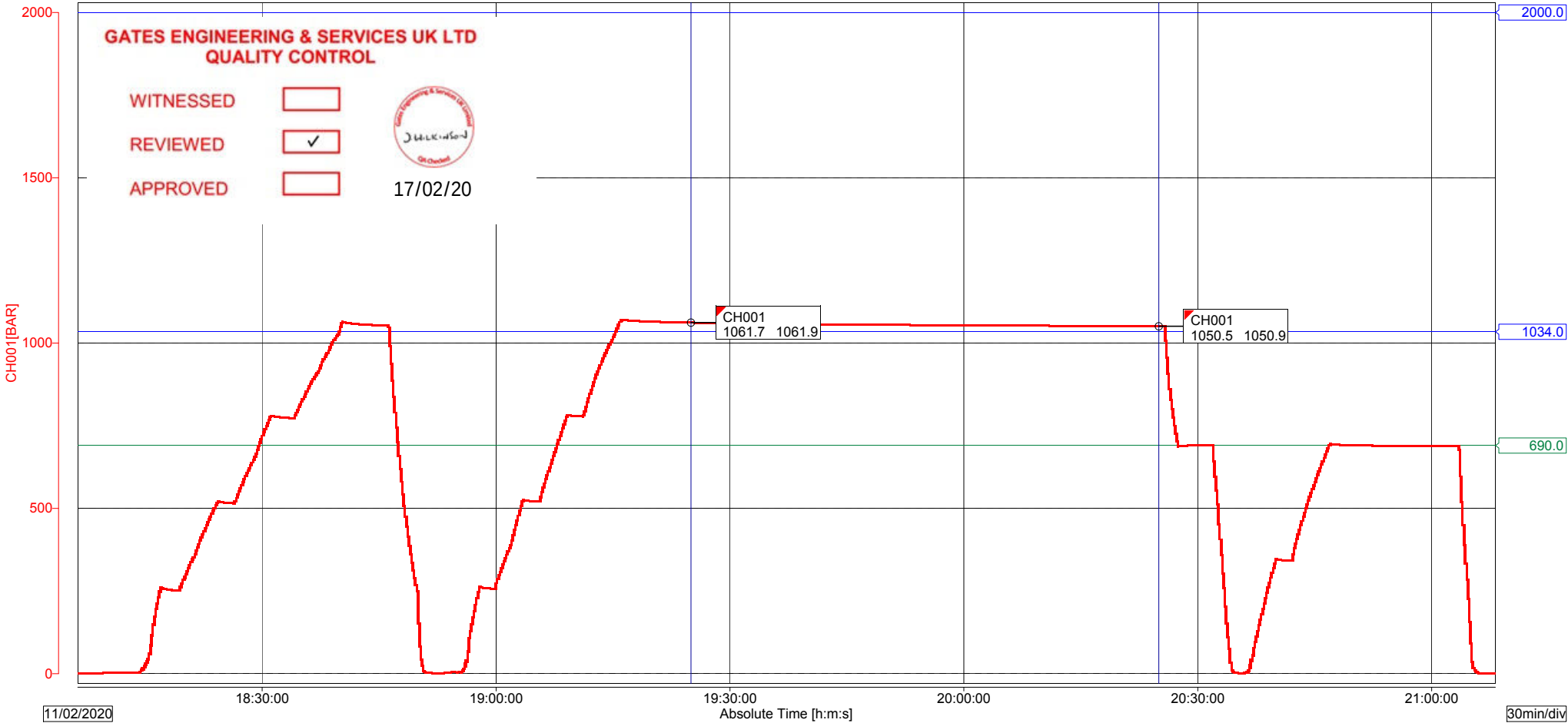
File Message : 120840 FAT
Device Type : DX2000
Serial No. : S5NC08915

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

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

		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	





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		DATE OF REPORT	08/01/2020
Gates Engineering & Services UK Ltd Bassington Drive Bassington Industrial Estate Cramlington		Tusk Lifting Ltd 49D Sadler Forster Way Teesside Industrial Estate Stockton-On-Tees TS17 9JY		REPORT NO	13322
NE23 8AS				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		NAME OF THE PERSON AUTHENTICATING THE REPORT	
Jimmy Joyce, Company Approved Examiner		Julie Montgomery, Planner	
SIGNATURE		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



Full Member



William Hackett
Lifting Products Limited



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)

DUAL PURPOSE DOCUMENT	
EC DECLARATION OF CONFORMITY DECLARATION I DECLARE THAT THE ITEMS DESCRIBED ON THIS DOCUMENT COMPLY WITH THE REQUIREMENTS OF THE MACHINERY DIRECTIVE 2006/42/EC	A
MANUFACTURER'S CERTIFICATE CERTIFIED ON BEHALF OF THE COMPANY T.J. BURGESS 17/12/2019	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, ALNWK, 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



William Hackett
Lifting Products Limited



IMB52628

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



Safety is our first priority

061259

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park,

TAICHUNG 407, TAIWAN

TEL: +886-4-2350 8088

FAX: +886-4-2350 1001

80059145-000730

IMB52628

Test Certificate

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: YUAK
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: 100% of above quantity
Crack Tested

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

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 EN10204 3.1

TEST RESULT

Pass

YOKE INDUSTRIAL CORP

Jason Lu

Dated: May 14, 2019

Qualification: QA Manager

Received by QX-612024 8:25:48 AM Page 68 of 72



Safety is our first priority

06 1396

YOKE INDUSTRIAL CORP.

#39,33rd Road, Taichung Industrial Park

TAICHUNG 407, TAIWAN

TEL:+886-4-2350 8088

FAX:+886-4-2350 1001

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: 93kN
Mini Breaking Load: 373kN	Fatigue Rate: 70kN
Magnetic Flux: 100% of above quantity	20000 cycle:
Crack Tested:	Impact Test: 42J
Working Load Limit: 4-75tonnes	(-40°C):

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

TEST RESULT

Pass

YOKE INDUSTRIAL CORP

Jason Yu

Dated: September 30, 2019

Qualification: QA Manager



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	DATE OF REPORT
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	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 -	3.6T Safety Clamp CS Galv - 195MM	3.6 TONNE	-	B	PROOF LOAD	21/07/2020
	IMK52690/30	Material CERT : GI9268					
20.00	IML52690/01 -	3.6T Safety Clamp CS Galv - 195MM	3.6 TONNE	-	B	PROOF LOAD	21/07/2020
	IML52690/20	Material CERT : GI9268					

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	NAME OF THE PERSON AUTHENTICATING THE REPORT
Jimmy Joyce, Company Approved Examiner	Julie Montgomery, Planner
SIGNATURE	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



IML52690

CELISA STEEL UK
OFFICES: Build. 58, Castle Works, East Moors Road
02CF24 5NN Cardiff (United Kingdom)



CELSA
MANUFACTURING UK



UK MADE

Cert No: 0038/CPRL/RQ4002811/1
DOP: CELSAUK001 EN10025
Hot rolled structural steel products

LRV ID N: 0038

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

TS18 35A STOCKION United Kingdom																				
United Kingdom																				
MATERIAL	CAST	C	MN	SI	S	P	Cr	N	Ni	Cu	Mo	V	CE	Reh	Rm	A	T	Impact	Impact	Impact
Hot rolled structural steel products		%	%	%	%	%	%	%	%	%	%	%	%	MPA	MPA	%	°C	J	J	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 FL130X10 L.6m	CM124288	0.10	0.53	0.14	0.026	0.020	0.117	0.010	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 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	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 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	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 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 FL150X6 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 FL150X6 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	33.9				
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	33.9				
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	33.9				
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	33.9				
CARTERS STEEL LTD																				
DATE																				
ORDER NO																				

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

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

Steel making process
Electric arc

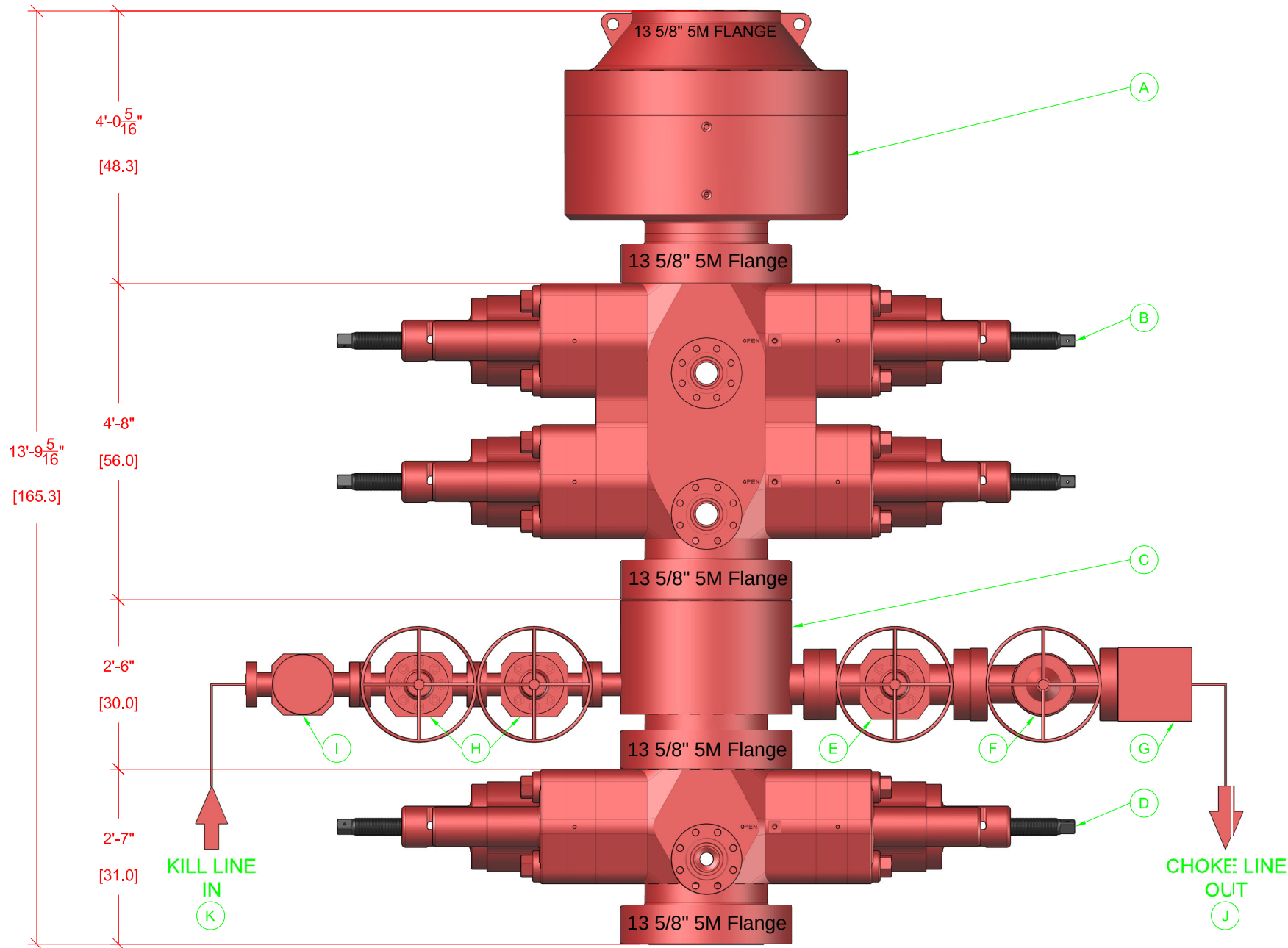
Cardiff, 20.08.2019

Stuart Thomas
Quality Manager

DATE: 21.8.2019
ORDER NO: 11049

CHECKED BY:

Signature



BOP EQUIPMENT INFORMATION

DESCRIPTION	MODEL	QTY
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 1/2" 5M FC MANUAL	1

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 354737

CONDITIONS

Operator: CIMAREX ENERGY CO. 6001 Deauville Blvd Midland, TX 79706	OGRID:
	215099
	Action Number:
	354737
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