

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

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

Form C-101
August 1, 2011

Permit 399508

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706		2. OGRID Number 215099
4. Property Code 336378		3. API Number 30-025-55403
5. Property Name TRES EQUIS 5 8 STATE COM		6. Well No. 212H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	5	24S	33E	3	327	N	1678	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	8	24S	33E	N	100	S	1652	W	Lea

9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3656
16. Multiple N	17. Proposed Depth 21042	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 12/1/2025
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	1372	843	0
Int1	12.25	9.625	40	5115	1253	0
Prod	8.75	5.5	20	21042	3681	4915

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	
Double Ram	10000	10000	
Pipe	10000	10000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Phillip Levasseur	Approved By: Jeffrey Harrison
Title: Regulatory Compliance Manager	Title: Petroleum Specialist III
Email Address: phillip.levasseur@coterra.com	Approved Date: 10/31/2025 Expiration Date: 10/31/2027
Date: 10/28/2025 Phone: 412-759-4585	Conditions of Approval Attached

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

WELL LOCATION INFORMATION

API Number 30-025-55403	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code 336378	Property Name TRES EQUIS 5 8 STATE COM	Well Number 212H
OGRID No. 215099	Operator Name COTERRA ENERGY OPERATING CO.	Ground Level Elevation 3656.0'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 327 NORTH	Ft. from E/W 1678 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597459°	County LEA
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Bottom Hole Location

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Dedicated Acres 319.79	Infill or Defining Well Infill	Defining Well API 30-025-53707	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 352H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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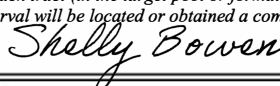
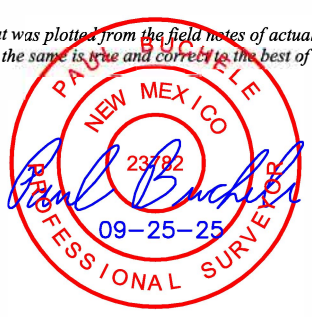
First Take Point (FTP)

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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Last Take Point (LTP)

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.0
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  10/7/2025 Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
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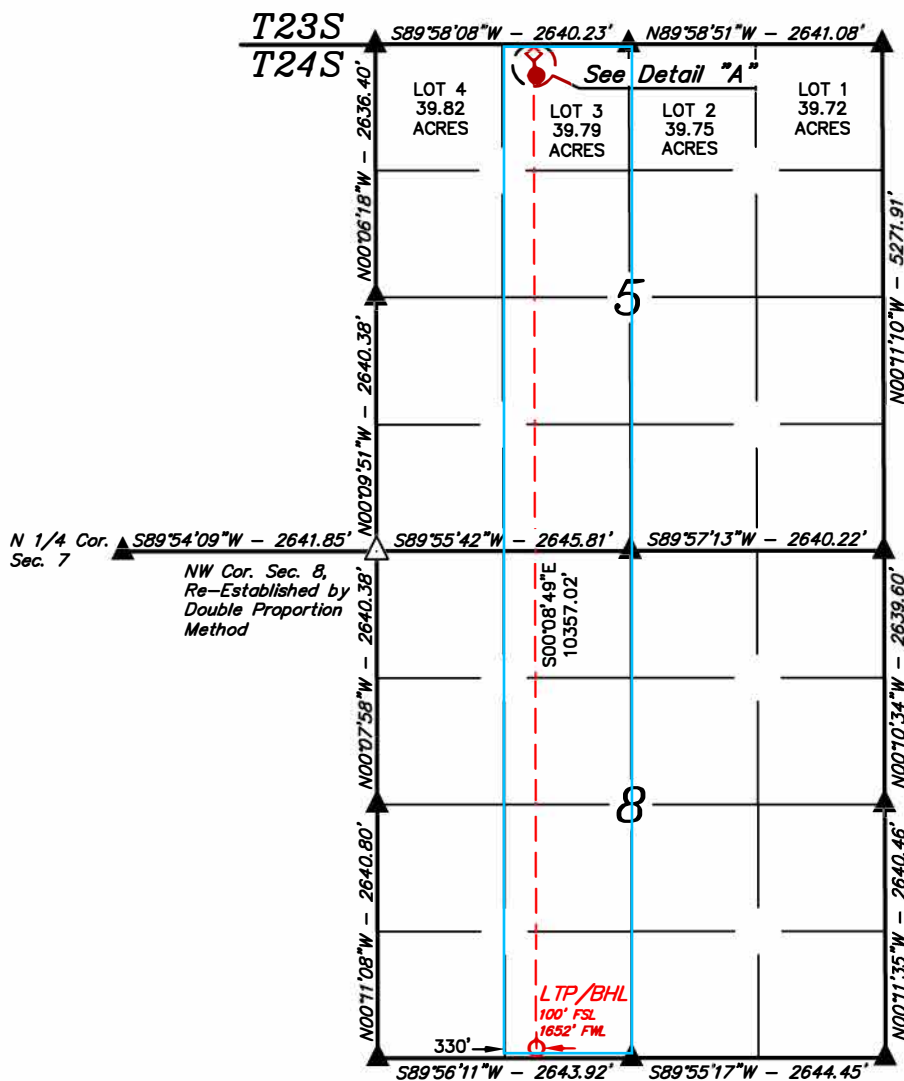
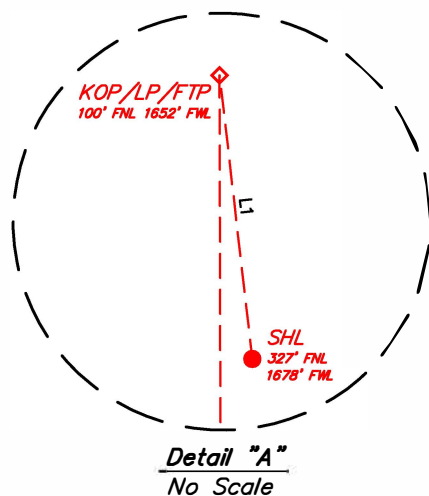
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 212H	Drawn By T.I.R. 09-25-25	Revised By
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- = SURFACE HOLE LOCATION
- ◆ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
- = LAST TAKE POINT/BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED.
(Not Set on Ground.)

NOTE:

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N06°32'43"W	228.87'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.96" (32.253045°)	
LONGITUDE = -103°35'50.85" (-103.597459°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.52" (32.252921°)	
LONGITUDE = -103°35'49.12" (-103.596978°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456570.53' E: 768823.83'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456511.44' E: 727640.07'	

NAD 83 (KOP/LP/FTP)	
LATITUDE = 32°15'13.21" (32.253670°)	
LONGITUDE = -103°35'51.15" (-103.597541°)	
NAD 27 (KOP/LP/FTP)	
LATITUDE = 32°15'12.77" (32.253546°)	
LONGITUDE = -103°35'49.42" (-103.597061°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456797.76' E: 768796.80'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456738.67' E: 727613.04'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°13'30.74" (32.225206°)	
LONGITUDE = -103°35'51.16" (-103.597544°)	
NAD 27 (LTP/BHL)	
LATITUDE = 32°13'30.30" (32.225082°)	
LONGITUDE = -103°35'49.44" (-103.597066°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 446442.76' E: 768866.75'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 446383.93' E: 727682.53'	

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

Form APD Conditions

Permit 399508

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55403
	Well: TRES EQUIS 5 8 STATE COM #212H

OCD Reviewer	Condition
jeffrey.harrison	No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.
jeffrey.harrison	All logs run on the well must be submitted to NMOCD.
jeffrey.harrison	Cement is required to circulate on both surface and intermediate1 strings of casing.
jeffrey.harrison	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.
jeffrey.harrison	A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.
jeffrey.harrison	Notify the OCD 24 hours prior to casing & cement.
jeffrey.harrison	File As Drilled C-102 and a directional Survey with C-104 completion packet.
jeffrey.harrison	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.
jeffrey.harrison	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.



COTERRA

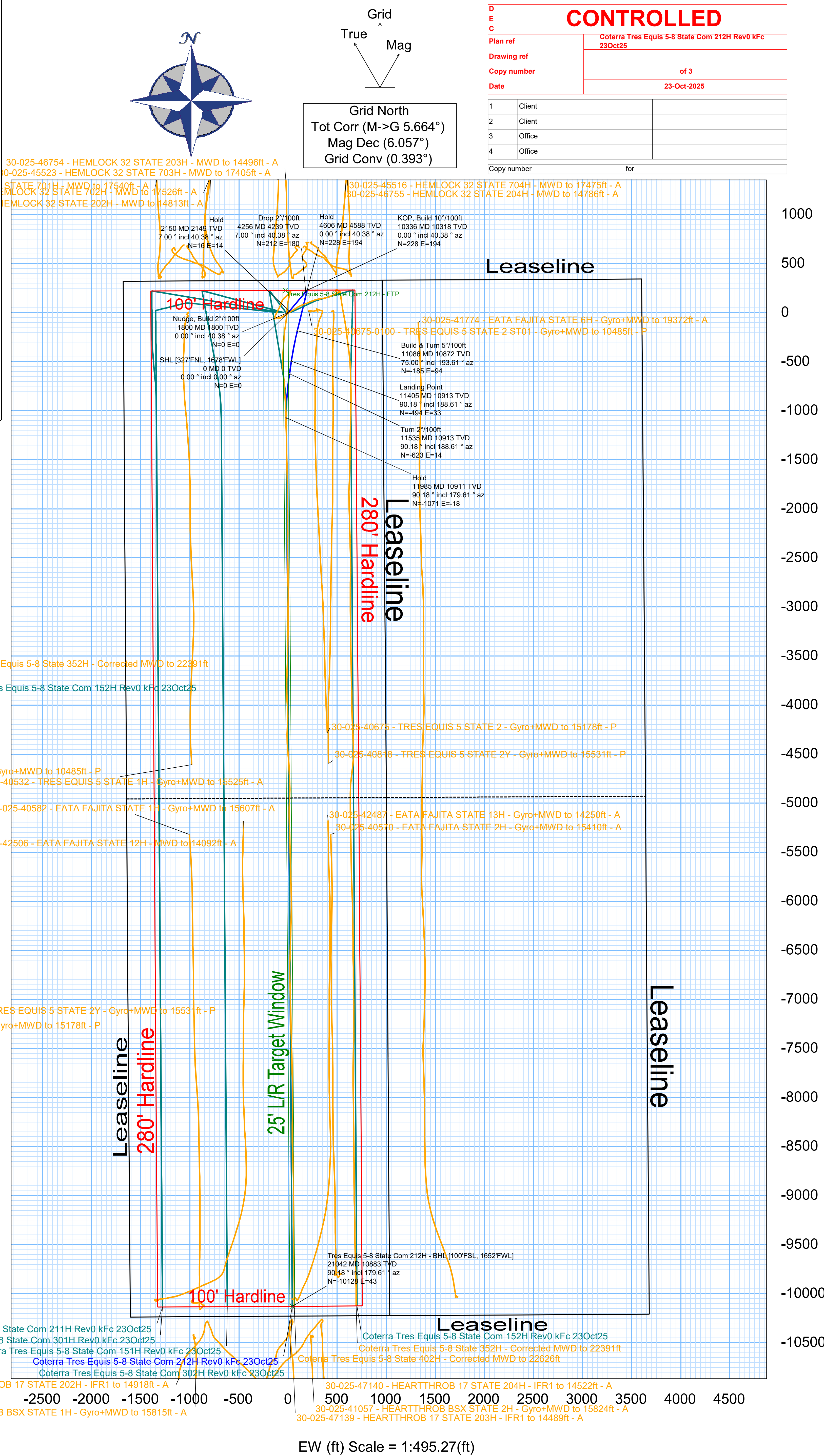
Rev0



Borehole:	Well:	Field:	Structure:
Tres Equis 5-8 State Com 212H	Tres Equis 5-8 State Com 212H	NM Lea County (NAD 83)	Coterra - Tres Equis 5-8 State Pad Lot 3

Gravity & Magnetic Parameters				Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	HDGM 2025	Dip:	59.731°	Date:	23-Oct-2025	Lat:	N 32 15 10.96	Northing:	456570.53ftUS	Grid Conv:	0.3927°	Slot:	Tres Equis 5-8 State	TVD Ref:	RKB (3679.000 ft above MSL)
MagDec:	6.057°	FS:	47180.49nT	Gravity FS:	998.438mgn (9.80665 Based)	Lon:	W 103 35 50.85	Easting:	768823.83ftUS	Scale Fact:	0.99996836	Plan:	Com 212H	Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25	

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [327°FNL, 1678°FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rustler	1247.00	0.00	40.38	1247.00	0.00	0.00	0.00	0.00
A3 Top	1352.00	0.00	40.38	1352.00	0.00	0.00	0.00	0.00
A3 Base	1496.00	0.00	40.38	1496.00	0.00	0.00	0.00	0.00
Top Salt	1764.00	0.00	40.38	1764.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1800.00	0.00	40.38	1800.00	0.00	0.00	0.00	0.00
Hold	2150.12	7.00	40.38	2149.25	-16.18	16.28	13.84	2.00
Drop 2°/100ft	4255.81	7.00	40.38	4239.23	-210.59	211.82	180.16	0.00
Hold	4605.93	0.00	40.38	4588.48	-226.77	228.10	194.00	2.00
Lamar	5102.45	0.00	40.38	5085.00	-226.77	228.10	194.00	0.00
Bell Canyon	5152.45	0.00	40.38	5135.00	-226.77	228.10	194.00	0.00
Cherry Canyon	6436.45	0.00	40.38	6419.00	-226.77	228.10	194.00	0.00
Brushy Canyon	7500.45	0.00	40.38	7483.00	-226.77	228.10	194.00	0.00
Bone Spring Lime	9035.45	0.00	40.38	9018.00	-226.77	228.10	194.00	0.00
Leonard	9225.45	0.00	40.38	9208.00	-226.77	228.10	194.00	0.00
Avalon	9442.45	0.00	40.38	9425.00	-226.77	228.10	194.00	0.00
1st BS SS	10147.45	0.00	40.38	10130.00	-226.77	228.10	194.00	0.00
KOP, Build 10°/100ft	10335.93	0.00	40.38	10318.48	-226.77	228.10	194.00	0.00
Build & Turn 5°/100ft	11085.93	75.00	193.61	10871.91	185.28	-184.64	94.07	10.00
2nd BS SS	11192.96	80.08	191.89	10895.00	287.02	-286.54	71.03	5.00
Landing Point	11405.22	90.18	188.61	10913.00	494.58	-494.37	33.49	5.00
Turn 2°/100ft	11535.22	90.18	188.61	10912.59	622.98	-622.90	14.03	0.00
Hold	11985.05	90.18	179.61	10911.18	1070.96	-1071.11	-18.19	2.00
2nd BS SS	17185.52	90.18	179.61	10895.00	6271.41	-6271.44	16.90	0.00
Tres Equis 5-8 State Com 212H - BHL [100°FSL, 1652°FWL]	21042.30	90.18	179.61	10883.00	10128.17	-10128.11	42.92	0.00



Vertical Section (ft) Azim = 179.61° Scale = 1:750.00(ft) Origin = 0N/-S, 0E/-W

EW (ft) Scale = 1:495.27(ft)



Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2025 - 02:58 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure: Coterra - Tres Equis 5-8 State Pad Lot 3
Slot: Tres Equis 5-8 State Com 212H
Well: Tres Equis 5-8 State Com 212H
Borehole: Tres Equis 5-8 State Com 212H
Scan MD Range: 0.00ft ~ 21042.30ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25
Depth Interval: Every 10.00 Measured Depth (ft)
Rule Set: NAL Procedure: D&M AntiCollision Standard S002
Min Pts: Absolute minima indicated.
Engine Version: 2025.1.0.1
Database \ Project: Tres Equis 5-8 State Com 212H-COTERRA

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

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 2000ft
 Definitive Surveys - Definitive Plans - Definitive surveys exclude definitive plans
 Selection filters: - 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

28 out of 38 are selected

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

Results highlighted in red: Sep-Factor <= 1.5

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

Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25 (DefinitivePlan) - Fail Minor

19.99	16.39	16.70	3.60	9.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
19.99	16.39	16.70	3.60	9.35	CtCt 15.00m	23.00	23.00	WRP	
19.99	20.00	6.23	-0.01	1.50	OSF 1.50	1290.00	1290.00	OSF>1.50	Exit Minor
19.99	19.99	6.33	0.00	1.50	OSF 1.50	1310.00	1310.00	OSF<=1.50	Enter Minor
19.99	27.14	1.57	-7.15	1.09	OSF 1.50	1790.00	1790.00		MinPt-CtCt
20.08	27.59	1.36	-7.51	1.08	OSF 1.50	1820.00	1820.00		MinPts
20.19	27.73	1.37	-7.55	1.08	OSF 1.50	1830.00	1830.00		MinPt-ADP
29.60	30.37	9.03	-0.76	1.46	OSF 1.50	2010.00	2009.81	OSF>1.50	Exit Minor
137.30	42.04	108.95	95.27	4.98	OSF 5.00	2790.00	2784.36	OSF>5.00	Exit Alert
385.99	116.59	307.94	269.40	5.00	OSF 5.00	7730.00	7712.55	OSF<=5.00	Enter Alert
374.76	157.73	269.28	217.03	3.58	OSF 5.00	10670.00	10633.94		MinPts
374.83	157.80	269.31	217.04	3.58	OSF 5.00	10680.00	10642.24		MinPt-SF
530.32	160.11	423.25	370.21	4.99	OSF 5.00	11130.00	10882.54	OSF>5.00	Exit Alert
604.88	104.44	534.92	500.44	8.76		11980.00	10911.20		MinPt-CtCt
604.88	182.26	483.05	422.63	5.00	OSF 5.00	15470.00	10900.34	OSF<=5.00	Enter Alert
604.90	351.51	370.23	253.38	2.58	OSF 5.00	21040.00	10883.01		MinPts
604.90	351.50	370.24	253.40	2.58	OSF 5.00	21042.30	10883.00		TD

Coterra Tres Equis 5-8 State Com 152H Rev0 kFc 23Oct25 (DefinitivePlan) - Fail Minor

20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	23.00	23.00	WRP	
20.00	20.00	6.24	0.00	1.50	OSF 5.00	1290.00	1290.00		MinPts
20.00	20.14	6.25	-0.14	1.49	OSF 1.50	1320.00	1320.00	OSF<=1.50	Enter Minor
20.00	24.16	3.57	-4.16	1.23	OSF 1.50	1590.00	1590.00		MinPt-CtCt
20.14	24.75	3.32	-4.60	1.21	OSF 1.50	1630.00	1630.00		MinPt-EOU
20.25	24.90	3.33	-4.64	1.21	OSF 1.50	1640.00	1640.00		MinPt-SF
20.40	25.04	3.37	-4.64	1.21	OSF 1.50	1650.00	1650.00		MinPt-ADP
27.12	27.34	8.56	-0.22	1.49	OSF 1.50	1810.00	1810.00	OSF>1.50	Exit Minor
231.90	70.31	184.70	161.59	5.00	OSF 5.00	4560.00	4542.55	OSF>5.00	Exit Alert
467.01	140.91	372.74	326.10	5.00	OSF 5.00	9360.00	9342.55	OSF<=5.00	Enter Alert
466.75	147.54	368.06	319.21	4.77	OSF 5.00	9890.00	9872.55		MinPt-CtCt
466.85	147.94	367.90	318.92	4.76	OSF 5.00	9930.00	9912.55		MinPt-EOU
467.02	148.14	367.93	318.88	4.75	OSF 5.00	9950.00	9932.55		MinPt-ADP
468.29	148.78	368.78	319.51	4.74	OSF 5.00	10010.00	9992.55		MinPt-SF
494.30	149.49	394.32	344.81	4.98	OSF 5.00	10240.00	10222.55	OSF>5.00	Exit Alert
889.19	267.51	710.52	621.68	5.00	OSF 5.00	17930.00	10892.68	OSF<=5.00	Enter Alert
895.89	359.15	656.12	536.73	3.75	OSF 5.00	21042.30	10883.00		MinPts

Coterra Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25 (DefinitivePlan) - Warning Alert

39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	23.00	23.00	WRP	
39.99	32.39	26.23	7.60	3.10	OSF 5.00	1290.00	1290.00		MinPt-EOU
39.99	32.39	23.46	7.60	2.51	OSF 5.00	1600.00	1600.00		MinPts
40.14	32.39	23.32	7.75	2.47	OSF 5.00	1630.00	1630.00		MinPt-EOU
40.81	32.39	23.59	8.41	2.45	OSF 5.00	1670.00	1670.00		MinPt-SF
103.47	32.39	81.88	71.08	4.97	OSF 5.00	2150.12	2149.25	OSF>5.00	Exit Alert
1054.16	150.75	953.33	903.41	10.55		10180.00	10162.55		MinPt-CtCt
1054.21	150.86	953.30	903.34	10.54		10190.00	10172.55		MinPt-EOU
1054.31	150.98	953.33	903.34	10.53		10200.00	10182.55		MinPt-ADP
1056.70	151.65	955.27	905.05	10.51		10270.00	10252.55		MinPt-SF
886.87	136.54	795.52	750.33	9.80		11990.00	10911.17		MinPt-CtCt
894.72	269.25	714.89	625.47	5.00	OSF 5.00	17980.00	10892.53	OSF<=5.00	Enter Alert
898.77	359.46	658.80	539.31	3.76	OSF 5.00	21042.30	10883.00		MinPts

Coterra Tres Equis 5-8 State 352H - Corrected MWD to 22391ft (DefinitiveSurvey) - Warning Alert

134.14	32.81	131.44	101.33	93.93		0.00	0.00		MinPts
134.15	32.81	131.45	101.35	93.93		23.00	23.00		WRP
98.44	32.81	77.90	65.63	4.98	OSF 5.00	2050.00	2049.68	OSF<=5.00	Enter Alert
84.55	47.14	52.79	37.41	2.72	OSF 5.00	3160.00	3151.60		MinPt-CtCt
81.89	52.00	46.90	29.90	2.38	OSF 5.00	3468.48	3457.78		MinPt-CtCt
82.39	53.48	46.40	28.91	2.33	OSF 5.00	3560.00	3548.61		MinPt-EOU
82.93	54.13	46.52	28.80	2.31	OSF 5.00	3600.00	3588.31		MinPt-ADP
84.21	55.11	47.14	29.10	2.31	OSF 5.00	3660.00	3647.87		MinPt-SF
298.13	90.35	237.56	207.77	4.99	OSF 5.00	6000.00	5982.55	OSF>5.00	Exit Alert

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	333.32	100.74	265.84	232.58	5.00	OSF 5.00	6680.00	6662.55	OSF<=5.00			Enter Alert
290.96	138.09	198.57	152.87	3.17		OSF 5.00	9280.00	9262.55				MinPt-CiCt
291.12	150.61	190.38	140.50	2.91		OSF 5.00	10130.00	10112.55				MinPt-CiCt
291.83	152.55	189.80	139.27	2.88		OSF 5.00	10260.00	10242.55				MinPt-EOU
292.27	153.15	189.84	139.12	2.87		OSF 5.00	10300.00	10282.55	OSF>5.00			MinPt-ADP
292.73	153.55	190.03	139.18	2.87		OSF 5.00	10335.93	10318.48				MinPt-SF
519.82	157.72	414.35	362.10	4.97		OSF 5.00	11010.00	10847.47				Exit Alert
1505.38	123.15	1422.95	1382.23	18.47			12230.00	10910.42				MinPt-CiCt
1505.45	123.39	1422.86	1382.06	18.44			12260.00	10910.33				MinPt-EOU
1500.05	129.46	1413.42	1370.59	17.50			12720.00	10908.89				MinPt-CiCt
1500.09	129.62	1413.35	1370.47	17.48			12740.00	10908.83				MinPt-EOU
1500.35	129.94	1413.39	1370.41	17.44			12770.00	10908.74				MinPt-ADP
1512.72	137.75	1420.56	1374.97	16.58			13230.00	10907.31				MinPt-ADP
1511.90	148.19	1412.78	1363.71	15.40			13740.00	10905.72				MinPt-CiCt
1510.77	152.66	1408.67	1358.11	14.93			13950.00	10905.07				MinPt-CiCt
1511.36	165.27	1400.85	1346.09	13.79			14500.00	10903.36				MinPt-CiCt
1511.50	165.94	1400.55	1345.57	13.74			14540.00	10903.23				MinPt-EOU
1511.74	166.24	1400.58	1345.50	13.71			14560.00	10903.17				MinPt-ADP
1517.84	172.56	1402.48	1345.29	13.26			14800.00	10902.42				MinPt-CiCt
1518.44	174.33	1401.90	1344.11	13.13			14890.00	10902.14				MinPt-EOU
1518.62	177.29	1400.10	1341.33	12.91			14990.00	10901.83				MinPt-CiCt
1518.82	177.89	1399.90	1340.94	12.87			15030.00	10901.71				MinPt-EOU
1518.95	178.04	1399.93	1340.91	12.86			15040.00	10901.68				MinPt-ADP
1516.87	201.95	1381.91	1314.92	11.31			15950.00	10898.84				MinPt-CiCt
1524.16	222.73	1375.35	1301.43	10.30			16720.00	10896.45				MinPt-EOU
1525.53	251.90	1357.27	1273.64	9.11			17710.00	10893.37				MinPt-CiCt
1525.88	252.84	1356.95	1273.04	9.08			17760.00	10893.21				MinPt-EOU
1526.20	253.21	1357.07	1272.99	9.07			17780.00	10893.15				MinPt-ADP
1528.17	263.36	1352.27	1264.81	8.73			18100.00	10892.15				MinPt-CiCt
1528.60	264.57	1351.89	1264.03	8.69			18160.00	10891.97				MinPt-EOU
1528.07	271.33	1346.86	1256.75	8.47			18370.00	10891.31				MinPt-CiCt
1528.32	272.03	1346.63	1256.28	8.45			18410.00	10891.19				MinPt-EOU
1528.62	272.37	1346.71	1256.24	8.44			18430.00	10891.13				MinPt-ADP
1528.28	281.47	1340.31	1246.82	8.17			18710.00	10890.26				MinPt-CiCt
1528.34	281.74	1340.19	1246.60	8.16			18730.00	10890.19				MinPt-EOU
1528.43	281.87	1340.19	1246.56	8.16			18740.00	10890.16				MinPt-ADP
1532.14	283.15	1343.05	1248.99	8.14			18850.00	10889.82				MinPt-SF
1548.02	298.75	1348.52	1249.26	7.79			19310.00	10888.39				MinPt-EOU
1556.10	320.99	1341.78	1235.11	7.29			20040.00	10886.12				MinPt-EOU
1567.66	330.67	1336.89	1227.00	7.08			20330.00	10885.22				MinPt-CiCt
1562.51	343.45	1333.21	1219.06	6.84			20770.00	10883.85				MinPt-EOU
1561.36	352.60	1325.97	1208.76	6.66			21040.00	10883.01				MinPt-CiCt
1561.37	352.61	1325.96	1208.75	6.66			21042.30	10883.00				MinPts

Coterra Tres Equis 5-8 State 402H - Corrected MWD to 22626ft (DefinitiveSurvey) - Warning Alert

152.28	32.81	149.58	119.48	106.75			0.00	0.00				MinPts
152.29	32.81	149.59	119.48	106.76			23.00	23.00				WRP
155.64	32.81	142.20	122.83	12.71			1290.00	1290.00				MinPt-EOU
155.14	32.81	136.93	122.33	8.95			1810.00	1810.00				MinPts
155.24	32.81	136.83	122.43	8.85			1830.00	1830.00				MinPt-EOU
165.12	32.81	144.60	132.31	8.40			2050.00	2049.68				MinPt-SF
246.63	53.62	210.56	193.02	7.00			3620.00	3608.17				MinPt-ADP
236.50	71.68	188.38	164.82	5.00		OSF 5.00	4810.00	4792.55	OSF<=5.00			Enter Alert
168.45	113.64	92.36	54.81	2.23		OSF 5.00	7640.00	7622.55				MinPt-CiCt
168.00	123.41	85.39	44.58	2.05		OSF 5.00	8310.00	8292.55				MinPt-CiCt
173.19	137.79	81.00	35.40	1.89		OSF 5.00	9300.00	9282.55				MinPt-EOU
176.51	145.01	79.51	31.50	1.83		OSF 5.00	9790.00	9772.55				MinPt-EOU
178.12	146.89	79.87	31.23	1.82		OSF 5.00	9920.00	9902.55				MinPt-ADP
180.79	149.37	80.88	31.42	1.82		OSF 5.00	10090.00	10072.55				MinPt-SF
179.36	154.91	75.76	24.45	1.74		OSF 5.00	10590.00	10564.31				MinPt-CiCt
179.41	155.00	75.76	24.42	1.74		OSF 5.00	10600.00	10573.30				MinPts
518.46	157.78	412.95	360.68	4.95		OSF 5.00	11210.00	10897.82	OSF>5.00			Exit Alert
1675.92	119.53	1595.91	1556.39	21.19			12520.00	10909.52				MinPt-EOU
1676.87	120.60	1596.14	1556.27	21.02			12590.00	10909.30				MinPt-ADP
1680.18	130.82	1592.63	1549.35	19.40			13140.00	10907.59				MinPt-CiCt
1680.43	136.31	1589.22	1544.11	18.62			13410.00	10906.75				MinPt-CiCt
1680.75	146.85	1582.52	1533.90	17.27			13890.00	10905.25				MinPt-CiCt
1681.15	148.29	1581.96	1532.86	17.11			13970.00	10905.00				MinPt-EOU
1681.57	148.80	1582.04	1532.77	17.05			14000.00	10904.91				MinPt-ADP
1679.01	171.53	1564.33	1507.48	14.76			14890.00	10902.14				MinPt-CiCt
1679.18	172.13	1564.09	1507.04	14.71			14930.00	10902.02				MinPt-EOU
1669.58	197.35	1537.68	1472.22	12.75			15850.00	10899.16				MinPt-CiCt
1668.77	201.56	1534.07	1467.21	12.47			16000.00	10898.69				MinPt-CiCt
1672.88	210.38	1532.29	1462.49	11.98			16340.00	10897.63				MinPt-EOU
1674.75	213.63	1532.00	1461.12	11.81			16450.00	10897.29				MinPt-EOU
1676.34	215.56	1532.30	1460.77	11.71			16530.00	10897.04				MinPt-ADP
1678.95	218.90	1532.69	1460.05	11.55			16640.00	10896.70				MinPt-EOU
1680.67	221.61	1532.60	1459.06	11.42			16730.00	10896.42				MinPt-EOU
1680.86	221.81	1532.66	1459.05	11.41			16740.00	10896.39				MinPt-ADP
1685.96	233.86	1529.73	1452.10	10.85			17120.00	10895.20				MinPt-CiCt
1682.36	252.57	1513.65	1429.79	10.02			17750.00	10893.24				MinPt-CiCt
1681.33	267.58	1502.62	1413.76	9.45			18250.00	10891.69				MinPt-CiCt
1682.52	271.02	1501.51	1411.49	9.34			18390.00	10891.25				MinPt-EOU
1689.37	282.90	1500.44	1406.46	8.98			18780.00	10890.04				MinPt-EOU
1690.60	284.38	1500.69	1406.22	8.94			18840.00	10889.85				MinPt-ADP
1694.33	288.07	1501.96	1406.27	8.85			18970.00	10889.45				MinPt-ADP
1700.10	294.00	1503.77	1406.10	8.70			19160.00	10888.86				MinPt-ADP
1698.72	312.03	1490.37	1386.69	8.19			19700.00	10887.18				MinPt-CiCt
1701.85	318.79	1489.00	1383.06	8.03			19940.00	10886.43				MinPt-EOU
1702.58	319.69	1489.13	1382.89	8.01			19980.00	10886.31				MinPt-ADP
1709.19	341.71	1481.06	1367.49	7.52			20650.00	10884.22				MinPt-CiCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1710.29	347.01	1478.63	1363.28	7.41		20820.00	10883.69				MinPt-CiCt
	1712.45	353.17	1476.68	1359.28	7.29		21042.30	10883.00				MinPts
30-025-40675-0100 - TRES EQUIS 5 STATE 2 ST01 - Gyro+MWD to 10485ft - P (DefinitiveSurvey) - Warning Alert												
	309.46	32.81	306.07	276.65	217.75		0.00	0.00				Surface
	308.93	32.81	305.54	276.13	216.99		23.00	23.00				WRP
	302.19	32.81	287.98	269.38	24.54		1290.00	1290.00				MinPt-EOU
	194.41	58.73	154.66	135.67	5.07		3850.00	3836.45				MinPt-CiCt
	194.62	59.66	154.25	134.95	5.00	OSF 5.00	3910.00	3896.00	OSF<=5.00			Enter Alert
	194.87	60.13	154.20	134.75	4.96	OSF 5.00	3940.00	3925.78				MinPt-EOU
	195.38	60.74	154.30	134.64	4.92	OSF 5.00	3980.00	3965.48				MinPt-ADP
	209.84	67.06	164.55	142.78	4.78	OSF 5.00	4400.00	4382.73				MinPt-SF
	224.85	72.55	175.89	152.30	4.73	OSF 5.00	4780.00	4762.55				MinPt-SF
	227.50	73.52	177.90	153.97	4.72	OSF 5.00	4890.00	4872.55				MinPt-ADP
	226.08	74.70	175.74	151.38	4.61	OSF 5.00	5060.00	5042.55				MinPt-CiCt
	208.20	84.96	151.02	123.24	3.72	OSF 5.00	6200.00	6182.55				MinPt-CiCt
	209.96	92.93	147.47	117.03	3.42	OSF 5.00	6950.00	6932.55				MinPt-CiCt
	210.30	93.91	147.15	116.38	3.39	OSF 5.00	7040.00	7022.55				MinPt-EOU
	210.75	94.46	147.24	116.29	3.38	OSF 5.00	7090.00	7072.55				MinPt-ADP
	212.15	96.50	147.28	115.65	3.33	OSF 5.00	7270.00	7252.55				MinPt-EOU
	213.99	98.78	147.59	115.21	3.28	OSF 5.00	7470.00	7452.55				MinPt-ADP
	216.58	102.55	147.67	114.03	3.19	OSF 5.00	7790.00	7772.55				MinPt-CiCt
	216.38	105.39	145.58	110.99	3.10	OSF 5.00	8030.00	8012.55				MinPt-CiCt
	218.91	113.29	142.84	105.62	2.92	OSF 5.00	8680.00	8662.55				MinPt-EOU
	221.53	119.98	141.01	101.55	2.79	OSF 5.00	9210.00	9192.55				MinPt-CiCt
	220.67	124.57	137.08	96.09	2.67	OSF 5.00	9570.00	9552.55				MinPt-CiCt
	173.99	132.87	84.87	41.12	1.97	OSF 5.00	10560.00	10536.88				MinPts
	172.83	131.69	84.51	41.15	1.97	OSF 5.00	10570.00	10546.10				MinPt-EOU
	171.76	128.17	85.77	43.59	2.02	OSF 5.00	10592.67	10566.72				MinPt-CiCt
	309.96	95.03	246.07	214.94	4.95	OSF 5.00	10900.00	10795.75	OSF>5.00			Exit Alert
	10155.26	150.00	10054.76	10005.26	102.56		21042.30	10883.00				TD
30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A (DefinitiveSurvey) - Warning Alert												
	751.18	32.81	747.78	718.37	529.67		0.00	0.00				Surface
	751.16	32.81	747.77	718.35	529.45		23.00	23.00				WRP
	744.62	32.81	730.40	711.81	60.70		1290.00	1290.00				MinPt-EOU
	267.67	81.68	212.68	185.99	4.98	OSF 5.00	5420.00	5402.55	OSF<=5.00			Enter Alert
	197.49	102.45	128.66	95.05	2.91	OSF 5.00	6720.00	6702.55				MinPt-CiCt
	197.67	102.91	128.53	94.77	2.90	OSF 5.00	6750.00	6732.55				MinPt-EOU
	197.80	103.06	128.56	94.74	2.90	OSF 5.00	6760.00	6742.55				MinPt-ADP
	186.93	128.46	100.75	58.47	2.19	OSF 5.00	8444.72	8427.27				MinPt-CiCt
	187.07	128.81	100.66	58.26	2.19	OSF 5.00	8470.00	8452.55				MinPt-EOU
	187.19	128.96	100.68	58.24	2.19	OSF 5.00	8480.00	8462.55				MinPt-ADP
	187.69	129.37	100.91	58.32	2.18	OSF 5.00	8510.00	8492.55				MinPt-SF
	197.89	136.45	106.38	61.44	2.16	OSF 5.00	8990.00	8972.55				MinPts
	395.93	121.57	314.34	274.36	4.93	OSF 5.00	9590.00	9572.55	OSF>5.00			Exit Alert
	10644.74	165.23	10534.09	10479.52	97.51		21042.30	10883.00				TD
30-025-40675 - TRES EQUIS 5 STATE 2 - Gyro+MWD to 15178ft - P (DefinitiveSurvey) - Warning Alert												
	309.46	32.81	306.07	276.65	217.75		0.00	0.00				Surface
	308.93	32.81	305.54	276.13	216.99		23.00	23.00				WRP
	302.19	32.81	287.98	269.38	24.54		1290.00	1290.00				MinPt-EOU
	194.41	58.71	154.68	135.70	5.07		3848.16	3834.62				MinPt-CiCt
	194.62	59.66	154.25	134.95	5.00	OSF 5.00	3910.00	3896.00	OSF<=5.00			Enter Alert
	194.87	60.13	154.20	134.75	4.96	OSF 5.00	3940.00	3925.78				MinPt-EOU
	195.38	60.74	154.30	134.64	4.92	OSF 5.00	3980.00	3965.48				MinPt-ADP
	209.84	67.06	164.55	142.78	4.78	OSF 5.00	4400.00	4382.73				MinPt-SF
	229.18	74.15	179.16	155.03	4.71	OSF 5.00	4890.00	4872.55				MinPt-SF
	256.91	106.36	185.46	150.55	3.66	OSF 5.00	7090.00	7072.55				MinPt-CiCt
	259.65	116.48	181.46	143.17	3.37	OSF 5.00	7780.00	7762.55				MinPt-EOU
	266.79	124.71	183.11	142.08	3.23	OSF 5.00	8340.00	8322.55				MinPt-ADP
	269.75	148.49	170.22	121.26	2.74	OSF 5.00	9950.00	9932.55				MinPt-CiCt
	270.21	152.48	168.02	117.73	2.67	OSF 5.00	10220.00	10202.55				MinPt-CiCt
	196.33	155.09	92.41	41.25	1.90	OSF 5.00	10910.00	10801.21				MinPts
	381.59	132.42	292.77	249.17	4.36	OSF 5.00	11610.00	10912.36				MinPt-SF
	386.40	134.09	296.47	252.31	4.36	OSF 5.00	11670.00	10912.17				MinPt-SF
	389.95	144.27	293.28	245.69	4.08	OSF 5.00	12160.00	10910.64				MinPt-CiCt
	390.58	146.22	292.60	244.36	4.03	OSF 5.00	12260.00	10910.33				MinPt-EOU
	391.03	146.79	292.67	244.24	4.02	OSF 5.00	12290.00	10910.23				MinPt-ADP
	400.83	155.62	296.58	245.21	3.89	OSF 5.00	12660.00	10909.08				MinPt-ADP
	430.68	174.66	313.74	256.01	3.72	OSF 5.00	13320.00	10907.03				MinPt-SF
	480.76	220.80	333.06	259.96	3.28	OSF 5.00	14590.00	10903.08				MinPt-EOU
	489.38	230.97	334.89	258.40	3.19	OSF 5.00	14860.00	10902.24				MinPt-ADP
	501.98	245.53	337.79	256.45	3.08	OSF 5.00	15210.00	10901.15				MinPts
	690.74	208.98	550.92	481.76	4.98	OSF 5.00	15670.00	10899.72	OSF>5.00			Exit Alert
	5868.51	170.74	5754.18	5697.77	52.00		21042.30	10883.00				TD
30-025-45523 - HEMLOCK 32 STATE 703H - MWD to 17405ft - A (DefinitiveSurvey) - Warning Alert												
	671.18	32.81	667.79	638.37	473.11		0.00	0.00				MinPts
	671.20	32.81	667.81	638.40	473.01		23.00	23.00				WRP
	297.09	90.26	236.38	206.83	5.00	OSF 5.00	5900.00	5882.55	OSF<=5.00			Enter Alert
	297.07	90.73	236.04	206.33	4.97	OSF 5.00	5931.26	5913.81				MinPt-CiCt
	301.04	99.12	234.43	201.93	4.61	OSF 5.00	6490.00	6472.55				MinPt-EOU
	304.63	103.88	234.83	200.74	4.44	OSF 5.00	6810.00	6792.55				MinPt-ADP
	329.00	133.62	239.38	195.38	3.72	OSF 5.00	8810.00	8792.55				MinPt-EOU
	331.60	137.92	239.11	193.68	3.63	OSF 5.00	9110.00	9092.55				MinPt-EOU
	333.64	140.35	239.53	193.29	3.59	OSF 5.00	9280.00	9262.55				MinPt-ADP
	333.07	149.74	232.70	183.33	3.36	OSF 5.00	9930.00	9912.55				MinPt-CiCt
	333.67	155.59	229.41	178.08	3.23	OSF 5.00	10335.93	10318.48				MinPt-CiCt
	333.72	155.69	229.38	178.02	3.23	OSF 5.00	10350.00	10332.55				MinPts
	333.93	155.84	229.50	178.09	3.23	OSF 5.00	10370.00	10352.53				MinPt-SF

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	523.24	159.66	416.26	363.58	4.95	OSF 5.00	10990.00	10839.46	OSF>5.00			Exit Alert
	10501.60	173.48	10385.44	10328.12	91.58		21042.30	10883.00				TD
30-025-40818 - TRES EQUIS 5 STATE 2Y - Gyro+MWD to 15531ft - P (DefinitiveSurvey) - Warning Alert												
	458.99	32.81	455.60	426.18	323.10		0.00	0.00				Surface
	458.91	32.81	455.52	426.10	322.88		23.00	23.00				WRP
	449.45	32.81	435.18	416.64	36.39		1290.00	1290.00				MinPt-EOU
	333.50	66.52	288.56	266.98	7.68		4350.00	4332.89				MinPt-CtCt
	334.69	71.68	286.31	263.01	7.14		4700.00	4682.55				MinPt-EOU
	335.54	72.68	286.50	262.86	7.06		4770.00	4752.55				MinPt-ADP
	337.76	83.04	281.86	254.71	6.19		5490.00	5472.55				MinPt-CtCt
	337.81	88.15	278.51	249.66	5.83		5840.00	5822.55				MinPt-CtCt
	335.57	101.92	267.09	233.65	4.99	OSF 5.00	6780.00	6762.55	OSF<=5.00			Enter Alert
	335.09	104.56	264.85	230.53	4.86	OSF 5.00	6960.00	6942.55				MinPt-CtCt
	335.93	107.03	264.04	228.90	4.76	OSF 5.00	7130.00	7112.55				MinPt-EOU
	337.53	108.92	264.38	228.61	4.70	OSF 5.00	7260.00	7242.55				MinPt-ADP
	345.90	134.57	255.65	211.33	3.88	OSF 5.00	9000.00	8982.55				MinPt-CtCt
	344.21	145.04	246.98	199.18	3.58	OSF 5.00	9710.00	9692.55				MinPt-CtCt
	310.74	155.36	206.63	155.39	3.02	OSF 5.00	10748.34	10696.19				MinPts
	512.01	154.88	408.22	357.13	5.00	OSF 5.00	11790.00	10911.79				MinPt-SF
	514.09	168.04	401.56	346.05	4.62	OSF 5.00	12480.00	10909.64				MinPt-CtCt
	514.57	169.50	401.07	345.07	4.58	OSF 5.00	12550.00	10909.42				MinPt-EOU
	499.30	200.92	364.85	298.38	3.74	OSF 5.00	13640.00	10906.03				MinPt-CtCt
	472.11	265.61	294.53	206.49	2.67	OSF 5.00	15420.00	10900.49				MinPt-CtCt
	473.82	269.25	293.82	204.57	2.65	OSF 5.00	15520.00	10900.18				MinPts
	702.84	214.05	559.64	488.79	4.95	OSF 5.00	16030.00	10898.60	OSF>5.00			Exit Alert
	5551.74	170.33	5437.69	5381.41	49.31		21042.30	10883.00				TD
30-025-46755 - HEMLOCK 32 STATE 204H - MWD to 14786ft - A (DefinitiveSurvey) - Warning Alert												
	761.43	32.81	758.03	728.62	536.92		0.00	0.00				MinPts
	761.43	32.81	758.04	728.62	536.75		23.00	23.00				WRP
	761.76	32.81	757.85	728.95	394.79		210.00	210.00				MinPt-EOU
	761.92	32.81	753.23	729.11	113.27		740.00	740.00				MinPts
	341.38	94.38	277.92	247.00	5.49		6190.00	6172.55				MinPt-CtCt
	341.92	96.73	276.89	245.18	5.37		6340.00	6322.55				MinPt-EOU
	342.42	97.35	276.99	245.08	5.34		6380.00	6362.55				MinPt-ADP
	346.63	105.27	275.91	241.36	4.99	OSF 5.00	6910.00	6892.55	OSF<=5.00			Enter Alert
	344.30	109.05	271.05	235.24	4.78	OSF 5.00	7170.00	7152.55				MinPt-CtCt
	332.93	139.17	239.61	193.76	3.61	OSF 5.00	9229.00	9211.55				MinPt-CtCt
	333.01	139.47	239.45	193.54	3.61	OSF 5.00	9250.00	9232.55				MinPt-EOU
	333.25	139.75	239.54	193.50	3.60	OSF 5.00	9270.00	9252.55				MinPt-ADP
	334.17	140.28	240.12	193.89	3.60	OSF 5.00	9310.00	9292.55				MinPt-SF
	449.25	135.94	358.09	313.31	5.00	OSF 5.00	9830.00	9812.55	OSF>5.00			Exit Alert
	10642.09	165.53	10531.24	10476.56	97.31		21042.30	10883.00				TD
30-025-45516 - HEMLOCK 32 STATE 704H - MWD to 17475ft - A (DefinitiveSurvey) - Warning Alert												
	677.84	32.81	674.45	645.03	477.82		0.00	0.00				MinPts
	677.87	32.81	674.48	645.06	477.73		23.00	23.00				WRP
	353.15	71.30	305.03	281.85	7.58		4600.00	4582.55				MinPt-CtCt
	353.72	72.86	304.57	280.87	7.43		4700.00	4682.55				MinPt-EOU
	354.37	73.63	304.69	280.74	7.36		4750.00	4732.55				MinPt-ADP
	458.91	117.86	379.80	341.06	5.90		7700.00	7682.55				MinPt-CtCt
	459.25	118.73	379.56	340.52	5.86		7760.00	7742.55				MinPt-EOU
	459.49	119.02	379.60	340.47	5.85		7780.00	7762.55				MinPt-ADP
	461.98	132.75	372.94	329.23	5.27		8710.00	8692.55				MinPt-CtCt
	462.02	135.85	370.91	326.17	5.14		8920.00	8902.55				MinPt-CtCt
	462.17	139.84	368.41	322.33	5.00	OSF 5.00	9190.00	9172.55	OSF<=5.00			Enter Alert
	463.71	145.03	366.45	318.69	4.83	OSF 5.00	9540.00	9522.55				MinPt-EOU
	464.57	146.06	366.66	318.51	4.81	OSF 5.00	9610.00	9592.55				MinPt-ADP
	470.57	156.69	365.57	313.87	4.54	OSF 5.00	10340.00	10322.55				MinPt-CtCt
	470.60	156.77	365.55	313.84	4.53	OSF 5.00	10350.00	10332.55				MinPts
	470.74	156.84	365.64	313.90	4.53	OSF 5.00	10360.00	10342.54				MinPt-SF
	525.55	159.21	418.87	366.34	4.99	OSF 5.00	10660.00	10625.55	OSF>5.00			Exit Alert
	10525.01	174.68	10408.06	10350.34	91.15		21042.30	10883.00				TD
30-025-41057 - HEARTTHROB BSX STATE 2H - Gyro+MWD to 15824ft - A (DefinitiveSurvey) - Warning Alert												
	10435.78	32.81	10432.39	10402.97	7376.71		0.00	0.00				Surface
	10435.65	32.81	10432.25	10402.84	7375.69		23.00	23.00				WRP
	10435.53	32.81	10432.13	10402.73	7325.76		70.00	70.00				MinPts
	10435.54	32.81	10432.13	10402.73	7274.60		90.00	90.00				MinPt-EOU
	10435.68	32.81	10432.12	10402.87	6600.60		160.00	160.00				MinPt-EOU
	10439.95	32.81	10431.44	10407.15	1596.77		780.00	780.00				MinPt-EOU
	10434.43	32.81	10429.54	10410.62	876.98		1290.00	1290.00				MinPt-EOU
	10440.54	32.81	10423.46	10407.73	681.30		1810.00	1810.00				MinPts
	10440.64	32.81	10423.34	10407.84	671.81		1840.00	1840.00				MinPt-EOU
	10664.52	65.51	10620.26	10599.01	250.88		4830.00	4812.55				MinPt-EOU
	10665.05	66.24	10620.31	10598.81	248.06		4890.00	4872.55				MinPt-ADP
	10672.73	105.48	10601.87	10567.25	154.12		7570.00	7552.55				MinPt-CtCt
	10668.72	119.82	10588.30	10548.90	135.37		8550.00	8532.55				MinPt-CtCt
	581.35	178.62	461.77	402.73	4.91	OSF 5.00	20800.00	10883.75	OSF<=5.00			Enter Alert
	363.46	203.18	227.50	160.27	2.69	OSF 5.00	21042.30	10883.00				MinPts
30-025-40570 - EATA FAJITA STATE 2H - Gyro+MWD to 15410ft - A (DefinitiveSurvey) - Warning Alert												
	9823.39	32.81	9819.99	9790.58	6943.73		0.00	0.00				Surface
	9823.26	32.81	9819.87	9790.45	6942.94		23.00	23.00				WRP
	9822.71	32.81	9817.19	9789.90	2778.27		420.00	420.00				MinPts
	9823.81	32.81	9809.90	9791.00	823.01		1290.00	1290.00				MinPt-EOU
	9821.77	32.81	9802.61	9788.96	564.62		1820.00	1820.00				MinPts
	9821.89	32.81	9802.51	9789.08	557.32		1850.00	1850.00				MinPt-EOU
	719.19	219.58	572.30	499.61	4.94	OSF 5.00	15730.00	10899.53	OSF<=5.00			Enter Alert
	513.54	268.03	334.35	245.51	2.88	OSF 5.00	16230.00	10897.97				MinPt-CtCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
513.57	268.10		334.33	245.47	2.88	OSF 5.00	16240.00	10897.94				MinPts
515.54	253.42		346.10	262.12	3.06	OSF 5.00	17140.00	10895.14				MinPt-SF
505.53	248.78		339.18	256.75	3.06	OSF 5.00	17640.00	10893.59				MinPt-SF
505.42	248.70		339.12	256.72	3.06	OSF 5.00	17660.00	10893.52				MinPt-ADP
505.39	248.66		339.11	256.73	3.06	OSF 5.00	17670.00	10893.49				MinPt-EOU
504.29	247.37		338.87	256.92	3.07	OSF 5.00	17880.00	10892.84				MinPt-ADP
504.25	247.33		338.87	256.93	3.07	OSF 5.00	17890.00	10892.81				MinPt-EOU
504.22	247.24		338.89	256.98	3.07	OSF 5.00	17910.00	10892.75				MinPt-CtCt
517.90	245.57		353.69	272.34	3.17	OSF 5.00	18750.00	10890.13				MinPt-CtCt
517.92	245.61		353.68	272.31	3.17	OSF 5.00	18770.00	10890.07				MinPts
517.97	245.64		353.71	272.32	3.17	OSF 5.00	18790.00	10890.01				MinPt-SF
518.36	245.96		353.89	272.40	3.17	OSF 5.00	18920.00	10889.60				MinPt-CtCt
518.40	246.03		353.87	272.36	3.17	OSF 5.00	18940.00	10889.54				MinPt-EOU
518.43	246.07		353.88	272.36	3.17	OSF 5.00	18950.00	10889.51				MinPt-ADP
518.69	246.23		354.03	272.46	3.17	OSF 5.00	18990.00	10889.39				MinPt-SF
519.39	248.25		353.38	271.13	3.15	OSF 5.00	19300.00	10888.42				MinPt-CtCt
519.45	248.41		353.34	271.03	3.15	OSF 5.00	19320.00	10888.36				MinPts
519.78	248.64		353.51	271.13	3.15	OSF 5.00	19350.00	10888.27				MinPt-SF
523.58	250.31		356.21	273.27	3.15	OSF 5.00	19520.00	10887.74				MinPt-SF
527.63	252.16		359.02	275.47	3.15	OSF 5.00	19690.00	10887.21				MinPt-SF
448.77	275.43		264.65	173.34	2.45	OSF 5.00	20688.96	10884.10				MinPt-CtCt
448.77	275.44		264.64	173.33	2.45	OSF 5.00	20690.00	10884.10				MinPts
448.88	275.52		264.70	173.36	2.45	OSF 5.00	20700.00	10884.07				MinPt-SF
559.05	248.36		392.98	310.69	3.39	OSF 5.00	21042.30	10883.00				TD

30-025-41774 - EATA FAJITA STATE 6H - Gyro+MWD to 19372ft - A (DefinitiveSurvey) - Warning Alert

9693.93	244.96	9529.96	9448.96	59.83			0.00	0.00				Surface
9671.14	245.09	9507.09	9426.05	59.66			23.00	23.00				WRP
1402.22	423.85	1119.11	978.37	4.98		OSF 5.00	8860.00	8842.55	OSF<=5.00			Enter Alert
1178.62	481.74	856.92	696.87	3.68		OSF 5.00	9619.66	9602.21				MinPt-CtCt
1178.62	481.74	856.92	696.87	3.68		OSF 5.00	9620.00	9602.55				MinPts
1413.33	426.04	1128.77	987.30	4.99		OSF 5.00	10400.00	10382.42	OSF>5.00			Exit Alert
1886.65	362.64	1644.39	1524.01	7.83			12130.00	10910.73				MinPt-ADP
1886.38	362.32	1644.33	1524.06	7.84			12150.00	10910.67				MinPt-EOU
1877.98	352.80	1642.28	1525.18	8.01			12420.00	10909.83				MinPt-ADP
1877.89	352.89	1642.26	1525.20	8.01			12430.00	10909.80				MinPt-EOU
1876.49	348.43	1643.70	1528.06	8.11			12550.00	10909.42				MinPt-EOU
1872.38	336.05	1647.84	1536.33	8.39			12940.00	10908.21				MinPt-ADP
1872.14	335.77	1647.79	1536.37	8.39			12960.00	10908.15				MinPt-EOU
1871.89	335.06	1648.02	1536.83	8.41			13010.00	10907.99				MinPt-CtCt
1891.51	307.22	1686.20	1584.29	9.27			13960.00	10905.04				MinPt-CtCt
1890.06	302.80	1687.69	1587.26	9.40			14070.00	10904.69				MinPt-ADP
1889.66	302.31	1687.62	1587.35	9.42			14100.00	10904.60				MinPt-EOU
1888.56	291.20	1693.93	1597.36	9.77			14510.00	10903.32				MinPt-CtCt
1886.08	285.06	1695.54	1601.02	9.97			14720.00	10902.67				MinPt-EOU
1885.62	283.60	1696.05	1602.02	10.02			14810.00	10902.39				MinPt-CtCt
1877.13	273.15	1694.53	1603.98	10.36			15150.00	10901.33				MinPts
1863.75	263.98	1687.27	1599.78	10.64			15570.00	10900.03				MinPt-ADP
1862.70	262.76	1687.03	1599.94	10.69			15640.00	10899.81				MinPt-EOU
1860.44	258.07	1687.89	1602.37	10.87			15900.00	10899.00				MinPt-CtCt
1855.36	249.94	1688.23	1605.42	11.19			16290.00	10897.79				MinPts
1843.76	244.84	1680.04	1598.93	11.36			16690.00	10896.54				MinPt-SF
1843.75	244.83	1680.03	1598.92	11.36			16700.00	10896.51				MinPts
1857.93	235.49	1700.44	1622.44	11.90			17720.00	10893.34				MinPt-CtCt
1857.94	235.51	1700.44	1622.43	11.90			17730.00	10893.31				MinPts
1858.00	235.54	1700.48	1622.47	11.90			17750.00	10893.24				MinPt-SF
1857.05	234.09	1700.49	1622.96	11.97			17920.00	10892.71				MinPts
1852.73	232.88	1696.97	1619.84	12.00			18090.00	10892.19				MinPt-SF
1845.99	233.00	1690.16	1612.99	11.95			18400.00	10891.22				MinPt-CtCt
1846.05	233.20	1690.09	1612.85	11.94			18420.00	10891.16				MinPt-EOU
1846.21	233.39	1690.11	1612.82	11.93			18440.00	10891.10				MinPt-ADP
1849.71	234.63	1692.79	1615.08	11.89			18570.00	10890.69				MinPt-SF
1852.87	234.42	1696.08	1618.44	11.92			18730.00	10890.19				MinPt-SF
1852.88	233.99	1696.38	1618.88	11.94			18830.00	10889.88				MinPt-CtCt
1852.99	234.35	1696.26	1618.64	11.93			18870.00	10889.76				MinPt-EOU
1853.20	234.60	1696.30	1618.60	11.92			18900.00	10889.67				MinPt-ADP
1854.65	235.45	1697.19	1619.20	11.88			19000.00	10889.35				MinPt-SF
1851.49	235.92	1693.71	1615.57	11.84			19220.00	10888.67				MinPt-SF
1846.87	238.69	1687.25	1608.19	11.67			19480.00	10887.86				MinPt-CtCt
1847.09	239.44	1686.96	1607.65	11.63			19540.00	10887.67				MinPt-EOU
1847.26	240.24	1686.60	1607.02	11.60			19630.00	10887.39				MinPt-CtCt
1847.49	240.92	1686.35	1606.57	11.57			19670.00	10887.27				MinPt-EOU
1847.77	241.25	1686.44	1606.52	11.55			19690.00	10887.21				MinPt-ADP
1875.57	247.61	1710.00	1627.97	11.42			20130.00	10885.84				MinPt-SF
2063.11	257.85	1890.72	1805.27	12.06			21042.30	10883.00				TD

Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass

59.98	32.81	56.70	27.17	29.34			0.00	0.00				Surface
59.98	32.81	56.70	27.17	29.34			23.00	23.00				WRP
59.98	32.81	51.13	27.17	7.75			790.00	790.00				MinPts
60.19	32.81	50.85	27.38	7.32			840.00	840.00				MinPt-EOU
67.94	32.81	56.61	35.13	6.64			1050.00	1050.00				MinPt-SF
1536.80	161.07	1429.09	1375.72	14.39			11040.00	10858.26				MinPts
1536.83	161.12	1429.09	1375.71	14.39			11050.00	10861.53				MinPt-ADP
1538.39	161.40	1430.46	1376.99	14.38			11110.00	10877.91				MinPt-SF
1445.45	365.96	1201.15	1079.49	5.94			21040.00	10883.01				MinPt-CtCt
1445.45	365.98	1201.14	1079.47	5.94			21042.30	10883.00				MinPts

Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass

79.98	32.81	76.70	47.18	39.34			0.00	0.00				Surface
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Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
79.98	32.81	76.70	47.18	39.34			23.00	23.00				WRP
79.98	32.81	72.94	47.18	13.67			600.00	600.00				MinPts
80.19	32.81	72.78	47.38	12.88			640.00	640.00				MinPt-EOU
99.35	32.81	88.66	66.54	10.43			990.00	990.00				MinPt-SF
1071.11	69.00	1024.78	1002.11	23.60			4600.00	4582.55				MinPt-SF
1240.95	79.93	1187.34	1161.02	23.56			5320.00	5302.55				MinPt-SF
1556.62	155.87	1452.37	1400.74	15.07			10335.93	10318.48				MinPts
1322.16	365.24	1078.34	956.92	5.44			21040.00	10883.01				MinPt-CtCt
1322.16	365.28	1078.31	956.88	5.44			21042.30	10883.00				MinPts
30-025-46753 - HEMLOCK 32 STATE 202H - MWD to 14813ft - A (DefinitiveSurvey) - Pass												
1307.69	32.81	1304.30	1274.88	923.12			0.00	0.00				MinPts
1307.71	32.81	1304.31	1274.90	923.08			23.00	23.00				WRP
866.01	138.64	773.05	727.38	9.46			9227.21	9209.76				MinPt-CtCt
866.13	139.04	772.90	727.10	9.44			9260.00	9242.55				MinPt-EOU
866.33	139.28	772.94	727.05	9.42			9280.00	9262.55				MinPt-ADP
868.33	140.29	774.27	728.04	9.37			9370.00	9352.55				MinPt-SF
10668.64	167.70	10566.35	10500.95	96.27			21042.30	10883.00				TD
30-025-40582 - EATA FAJITA STATE 1H - Gyro+MWD to 15607ft - A (DefinitiveSurvey) - Pass												
10095.45	32.81	10092.05	10062.64	7136.29			0.00	0.00				Surface
10095.24	32.81	10091.85	10062.43	7133.75			23.00	23.00				WRP
10094.93	32.81	10091.51	10062.12	7006.41			100.00	100.00				MinPts
10095.28	32.81	10091.38	10062.47	5252.52			240.00	240.00				MinPt-EOU
10095.99	32.81	10091.38	10063.18	3838.09			350.00	350.00				MinPt-EOU
10098.94	32.81	10086.89	10066.13	1001.96			1150.00	1150.00				MinPt-EOU
10100.23	32.81	10086.80	10067.42	881.92			1290.00	1290.00				MinPt-EOU
10101.07	32.81	10086.89	10068.26	813.65			1390.00	1390.00				MinPt-EOU
1038.08	304.35	834.69	733.74	5.13			16170.00	10898.16				MinPt-SF
1016.68	292.62	821.10	724.06	5.23			16660.00	10896.64				MinPt-ADP
1014.45	290.20	820.48	724.24	5.26			16770.00	10896.29				MinPt-ADP
1014.03	289.70	820.40	724.33	5.27			16800.00	10896.20				MinPt-EOU
1013.69	288.69	820.73	725.00	5.29			16860.00	10896.01				MinPt-CtCt
1013.36	283.36	823.95	729.99	5.38			17080.00	10895.33				MinPt-EOU
1012.44	280.49	824.95	731.95	5.44			17240.00	10894.83				MinPt-CtCt
1007.57	275.08	823.68	732.49	5.52			17520.00	10893.96				MinPt-ADP
1007.48	274.98	823.66	732.50	5.52			17530.00	10893.93				MinPt-EOU
1007.31	274.56	823.78	732.76	5.53			17570.00	10893.80				MinPt-CtCt
1004.73	265.19	827.43	739.54	5.71			18230.00	10891.75				MinPt-ADP
962.86	263.09	786.97	699.77	5.51			19860.00	10886.68				MinPt-CtCt
962.99	263.47	786.84	699.52	5.51			19900.00	10886.55				MinPt-EOU
963.31	263.84	786.92	699.47	5.50			19940.00	10886.43				MinPt-ADP
964.16	266.15	786.23	698.01	5.46			20190.00	10885.65				MinPt-CtCt
964.62	268.30	785.28	696.32	5.41			20360.00	10885.12				MinPt-EOU
965.29	271.41	783.85	693.88	5.36			20580.00	10884.44				MinPt-SF
946.54	278.33	760.48	668.21	5.12			20934.06	10883.34				MinPt-CtCt
946.62	278.66	760.34	667.96	5.11			20950.00	10883.29				MinPt-EOU
946.75	278.86	760.34	667.89	5.11			20960.00	10883.26				MinPt-ADP
948.41	279.73	761.42	668.68	5.11			21010.00	10883.10				MinPt-SF
950.38	280.17	763.10	670.21	5.11			21042.30	10883.00				TD
30-025-40532 - TRES EQUIS 5 STATE 1H - Gyro+MWD to 15525ft - A (DefinitiveSurvey) - Pass												
1010.67	32.81	1007.28	977.86	713.13			0.00	0.00				MinPts
1010.71	32.81	1007.31	977.90	713.12			23.00	23.00				WRP
1018.98	32.81	1004.60	986.17	82.00			1290.00	1290.00				MinPt-EOU
1023.01	32.81	1003.71	990.20	58.25			1810.00	1810.00				MinPt-EOU
1242.77	100.66	1175.12	1142.11	18.80			6720.00	6702.55				MinPt-CtCt
1236.32	147.61	1137.37	1088.71	12.69			9900.00	9882.55				MinPt-CtCt
1128.62	156.14	1023.99	972.48	10.94			11180.00	10892.70				MinPts
1129.03	156.24	1024.33	972.79	10.94			11210.00	10897.82				MinPt-SF
1005.70	184.11	882.46	821.59	8.25			12770.00	10908.74				MinPt-CtCt
1006.24	185.76	881.90	820.48	8.18			12840.00	10908.52				MinPt-EOU
979.95	226.57	828.40	753.38	6.52			14002.02	10904.91				MinPt-CtCt
980.59	228.59	827.70	752.00	6.47			14070.00	10904.69				MinPt-EOU
982.16	230.47	828.01	751.69	6.42			14130.00	10904.51				MinPt-ADP
989.19	236.99	830.69	752.20	6.29			14300.00	10903.98				MinPt-ADP
1012.34	256.78	840.66	755.56	5.94			14760.00	10902.55				MinPt-EOU
1013.27	257.78	840.92	755.49	5.92			14790.00	10902.45				MinPt-ADP
1011.85	290.70	817.55	721.15	5.24			15510.00	10900.21				MinPt-CtCt
1011.86	290.78	817.51	721.08	5.24			15520.00	10900.18				MinPts
1011.97	290.84	817.58	721.13	5.24			15530.00	10900.15				MinPt-SF
5620.28	180.02	5499.77	5440.26	47.21			21042.30	10883.00				TD
30-025-44344 - HEMLOCK 32 STATE 702H - MWD to 17526ft - A (DefinitiveSurvey) - Pass												
1231.05	32.81	1227.66	1198.24	868.94			0.00	0.00				MinPts
1231.05	32.81	1227.66	1198.24	868.89			23.00	23.00				WRP
1230.82	32.81	1223.45	1198.01	228.23			600.00	600.00				MinPts
1233.54	32.81	1219.42	1200.73	101.42			1290.00	1290.00				MinPt-EOU
1192.98	50.55	1158.69	1142.43	36.62			3300.00	3290.55				MinPt-CtCt
1192.61	54.62	1155.61	1137.99	33.79			3560.00	3548.61				MinPt-CtCt
1195.17	62.57	1152.87	1132.61	29.44			4070.00	4054.81				MinPt-EOU
1196.32	63.94	1153.11	1132.38	28.82			4160.00	4144.14				MinPt-ADP
1051.40	112.31	975.99	939.09	14.22			7400.37	7382.92				MinPt-CtCt
1051.93	113.86	975.48	938.07	14.04			7510.00	7492.55				MinPt-EOU
1052.62	114.70	975.61	937.91	13.94			7570.00	7552.55				MinPt-ADP
1072.25	135.88	981.12	936.37	11.96			9010.00	8992.55				MinPt-EOU
1075.08	151.41	973.60	923.67	10.75			10090.00	10072.55				MinPt-CtCt
1076.27	153.77	973.22	922.50	10.59			10260.00	10242.55				MinPt-EOU
1076.87	154.54	973.30	922.32	10.55			10320.00	10302.55				MinPt-ADP
1077.39	155.98	972.87	921.41	10.45			10540.00	10518.26				MinPt-CtCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1077.50	156.44	972.67	921.06	10.42		10610.00	10582.22				MinPt-EOU
	1077.55	156.51	972.68	921.05	10.42		10620.00	10591.06				MinPt-ADP
	1079.74	157.17	974.42	922.57	10.40		10730.00	10682.21				MinPt-SF
	10561.26	169.93	10447.48	10391.34	94.04		21042.30	10883.00				TD
30-025-41056 - HEARTTHROB BSX STATE 1H - Gyro+MWD to 15815ft - A (DefinitiveSurvey) - Pass												
	10483.31	32.81	10479.92	10450.50	7410.35		0.00	0.00				Surface
	10483.16	32.81	10479.77	10450.35	7409.05		23.00	23.00				WRP
	10483.01	32.81	10479.61	10450.21	7335.53		80.00	80.00				MinPts
	10483.51	32.81	10479.08	10450.70	4289.86		320.00	320.00				MinPt-EOU
	10486.33	32.81	10478.09	10453.52	1675.43		750.00	750.00				MinPt-EOU
	10486.61	32.81	10472.75	10453.80	882.98		1290.00	1290.00				MinPt-EOU
	10486.56	32.81	10472.43	10453.75	847.65		1360.00	1360.00				MinPts
	10486.85	32.81	10469.83	10454.04	686.84		1800.00	1800.00				MinPts
	10486.97	32.81	10469.72	10454.16	677.22		1830.00	1830.00				MinPt-EOU
	10742.55	65.48	10698.31	10677.07	252.84		4880.00	4862.55				MinPt-ADP
	10706.23	143.77	10609.84	10562.46	112.95		10210.00	10192.55				MinPt-CtCt
	1053.80	269.80	873.43	783.99	5.88		21042.30	10883.00				MinPts
30-025-47140 - HEARTTHROB 17 STATE 204H - IFR1 to 14522ft - A (DefinitiveSurvey) - Pass												
	10957.39	32.81	10954.00	10924.58	7745.47		0.00	0.00				Surface
	10957.27	32.81	10953.87	10924.46	7744.53		23.00	23.00				WRP
	10953.82	32.81	10948.05	10921.02	2889.18		470.00	470.00				MinPts
	10955.61	32.81	10946.62	10922.80	1563.21		850.00	850.00				MinPt-EOU
	10816.72	48.86	10783.55	10767.85	344.41		2710.00	2704.95				MinPt-CtCt
	10814.14	55.35	10776.66	10758.79	302.62		3130.00	3121.82				MinPt-CtCt
	10814.72	56.99	10776.14	10757.73	293.65		3280.00	3270.70				MinPt-EOU
	10815.47	57.90	10776.28	10757.57	288.94		3360.00	3350.10				MinPt-ADP
	10821.75	66.54	10776.80	10755.21	250.54		3850.00	3836.45				MinPt-CtCt
	10488.18	122.34	10406.09	10365.85	130.30		8060.00	8042.55				MinPt-CtCt
	10488.80	124.05	10405.57	10364.76	128.48		8220.00	8202.55				MinPt-EOU
	10489.65	125.05	10405.75	10364.60	127.45		8310.00	8292.55				MinPt-ADP
	10528.26	141.04	10433.69	10387.22	113.25		9510.00	9492.55				MinPts
	10578.49	146.78	10480.10	10431.72	109.29		10335.93	10318.48				MinPt-SF
	1255.21	236.98	1096.73	1018.23	7.99		21042.30	10883.00				MinPts
30-025-44343 - HEMLOCK 32 STATE 701H - MWD to 17540ft - A (DefinitiveSurvey) - Pass												
	1258.28	32.81	1254.88	1225.47	888.18		0.00	0.00				MinPts
	1258.29	32.81	1254.89	1225.48	888.16		23.00	23.00				WRP
	1260.42	32.81	1253.61	1227.62	260.24		550.00	550.00				MinPt-EOU
	1266.47	32.81	1252.37	1233.66	104.35		1290.00	1290.00				MinPt-EOU
	1265.23	32.81	1246.24	1232.42	73.35		1810.00	1810.00				MinPts
	1265.68	32.81	1245.75	1232.88	69.55		1910.00	1909.97				MinPt-EOU
	1521.41	90.58	1460.49	1430.84	25.63		5900.00	5882.55				MinPt-CtCt
	1522.15	92.61	1459.87	1429.54	25.07		6050.00	6032.55				MinPt-EOU
	1523.68	94.43	1460.19	1429.25	24.60		6180.00	6162.55				MinPt-ADP
	1485.74	131.15	1397.77	1354.59	17.19		8720.00	8702.55				MinPt-CtCt
	1486.06	132.07	1397.47	1353.98	17.07		8790.00	8772.55				MinPt-EOU
	1486.39	132.47	1397.54	1353.92	17.02		8820.00	8802.55				MinPt-ADP
	1497.41	148.96	1397.57	1348.45	15.23		9940.00	9922.55				MinPt-EOU
	1499.84	151.88	1398.05	1347.96	14.96		10140.00	10122.55				MinPt-ADP
	1489.38	158.35	1383.28	1331.03	14.24		10850.00	10766.30				MinPt-CtCt
	1489.40	158.40	1383.26	1331.00	14.23		10860.00	10772.47				MinPts
	1492.11	158.97	1385.59	1333.14	14.21		10960.00	10826.27				MinPt-SF
	10564.52	173.75	10448.18	10390.76	91.98		21042.30	10883.00				TD
30-025-42487 - EATA FAJITA STATE 13H - Gyro+MWD to 14250ft - A (DefinitiveSurvey) - Pass												
	10048.42	32.81	10045.03	10015.61	7102.85		0.00	0.00				Surface
	10048.29	32.81	10044.90	10015.48	7101.89		23.00	23.00				WRP
	10048.19	32.81	10044.78	10015.38	7053.79		70.00	70.00				MinPts
	10048.19	32.81	10044.78	10015.38	7004.53		90.00	90.00				MinPt-EOU
	10050.60	32.81	10043.20	10017.79	1853.58		660.00	660.00				MinPt-EOU
	5408.40	144.21	5311.73	5264.20	56.88		9660.00	9642.55				MinPt-CtCt
	5408.51	144.45	5311.67	5264.05	56.78		9690.00	9672.55				MinPt-EOU
	5408.58	144.53	5311.68	5264.04	56.75		9700.00	9682.55				MinPt-ADP
	5450.92	149.47	5350.74	5301.45	55.28		10335.93	10318.48				MinPt-SF
	1320.90	201.74	1185.91	1119.16	9.88		16090.00	10898.41				MinPt-SF
	1320.37	201.58	1185.48	1118.79	9.89		16170.00	10898.16				MinPt-SF
	1320.19	201.54	1185.33	1118.65	9.89		16230.00	10897.97				MinPt-ADP
	1320.09	201.42	1185.32	1118.68	9.89		16320.00	10897.69				MinPt-EOU
	1319.92	201.35	1185.19	1118.58	9.90		16430.00	10897.35				MinPt-CtCt
	1319.93	201.37	1185.19	1118.57	9.89		16440.00	10897.32				MinPt-EOU
	1319.95	201.39	1185.19	1118.56	9.89		16450.00	10897.29				MinPt-ADP
	1320.60	201.57	1185.72	1119.03	9.89		16530.00	10897.04				MinPt-SF
	1324.53	202.18	1189.24	1122.35	9.89		16690.00	10896.54				MinPt-SF
	1340.11	202.37	1204.69	1137.74	10.00		17160.00	10895.08				MinPt-SF
	1331.12	204.84	1194.06	1126.28	9.81		17670.00	10893.49				MinPt-CtCt
	1331.22	205.15	1193.96	1126.08	9.79		17700.00	10893.40				MinPt-EOU
	1331.31	205.25	1193.97	1126.06	9.79		17710.00	10893.37				MinPt-ADP
	1344.55	209.75	1204.21	1134.80	9.67		18240.00	10891.72				MinPt-SF
	1344.62	210.65	1203.69	1133.98	9.63		18370.00	10891.31				MinPt-CtCt
	1345.45	213.47	1202.64	1131.98	9.51		18610.00	10890.57				MinPt-EOU
	1346.28	214.49	1202.78	1131.78	9.47		18690.00	10890.32				MinPt-ADP
	1347.33	216.39	1202.57	1130.94	9.39		18840.00	10889.85				MinPt-EOU
	1347.78	216.97	1202.64	1130.81	9.37		18880.00	10889.73				MinPt-ADP
	1344.43	220.43	1196.98	1124.00	9.20		19130.00	10888.95				MinPt-CtCt
	1344.76	221.34	1196.70	1123.42	9.17		19180.00	10888.79				MinPt-EOU
	1345.22	221.86	1196.81	1123.35	9.15		19210.00	10888.70				MinPt-ADP
	1347.03	223.08	1197.81	1123.94	9.11		19280.00	10888.48				MinPt-SF
	1324.56	235.27	1167.22	1089.29	8.48		20060.00	10886.06				MinPt-SF

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1303.40	241.98	1141.58	1061.42	8.12		20433.34	10884.89				MinPt-CiCt
	1303.72	242.85	1141.32	1060.87	8.09		20470.00	10884.78				MinPt-EOU
	1303.92	243.09	1141.36	1060.83	8.09		20480.00	10884.75				MinPt-ADP
	1316.70	246.89	1151.60	1069.81	8.04		20670.00	10884.16				MinPt-SF
	1387.74	250.58	1220.18	1137.16	8.35		21042.30	10883.00				TD
30-025-42506 - EATA FAJITA STATE 12H - MWD to 14092ft - A (DefinitiveSurvey) - Pass												
	10150.06	32.81	10146.67	10117.25	7174.73		0.00	0.00				Surface
	10149.92	32.81	10146.52	10117.11	7173.56		23.00	23.00				WRP
	5447.06	147.15	5348.43	5299.92	56.13		9610.00	9592.55				MinPt-CiCt
	5447.14	147.34	5348.37	5299.80	56.05		9640.00	9622.55				MinPt-EOU
	5447.20	147.40	5348.39	5299.79	56.03		9650.00	9632.55				MinPt-ADP
	5490.32	151.43	5388.83	5338.89	54.95		10300.00	10282.55				MinPt-SF
	1378.47	200.00	1244.63	1178.47	10.41		16300.00	10897.76				MinPt-CiCt
	1378.51	200.17	1244.57	1178.35	10.40		16320.00	10897.69				MinPt-EOU
	1378.62	200.30	1244.59	1178.32	10.39		16340.00	10897.63				MinPt-ADP
	1384.04	202.08	1248.82	1181.96	10.34		16560.00	10896.95				MinPt-SF
	1383.19	199.41	1249.75	1183.78	10.47		16660.00	10896.64				MinPt-SF
	1381.43	198.73	1248.45	1182.71	10.49		16740.00	10896.39				MinPt-ADP
	1346.71	202.32	1211.33	1144.39	10.05		17400.00	10894.33				MinPt-CiCt
	1346.88	202.88	1211.13	1144.01	10.02		17450.00	10894.18				MinPt-EOU
	1347.06	203.10	1211.16	1143.96	10.01		17470.00	10894.11				MinPt-ADP
	1350.78	204.83	1213.72	1145.95	9.95		17680.00	10893.46				MinPt-SF
	1352.33	205.15	1215.06	1147.18	9.95		17770.00	10893.18				MinPt-ADP
	1359.42	208.11	1220.18	1151.31	9.86		17990.00	10892.50				MinPt-SF
	1343.71	218.63	1197.46	1125.08	9.27		18990.88	10889.38				MinPt-CiCt
	1344.09	219.72	1197.12	1124.38	9.23		19040.00	10889.23				MinPt-EOU
	1344.47	220.15	1197.20	1124.32	9.21		19060.00	10889.17				MinPt-ADP
	1351.74	224.55	1201.54	1127.19	9.08		19370.00	10888.20				MinPt-SF
	1348.23	228.82	1195.19	1119.41	8.89		19660.00	10887.30				MinPt-CiCt
	1348.64	230.18	1194.65	1118.47	8.84		19720.00	10887.11				MinPt-EOU
	1349.17	230.84	1194.78	1118.33	8.81		19750.00	10887.02				MinPt-ADP
	1375.81	242.18	1213.86	1133.64	8.57		20270.00	10885.40				MinPt-SF
	1573.78	250.14	1406.52	1323.64	9.49		21042.30	10883.00				TD
30-025-47139 - HEARTTHROB 17 STATE 203H - IFR1 to 14489ft - A (DefinitiveSurvey) - Pass												
	10957.91	32.81	10954.52	10925.10	7745.84		0.00	0.00				Surface
	10957.79	32.81	10954.39	10924.98	7744.90		23.00	23.00				WRP
	10957.68	32.81	10954.28	10924.87	7692.38		70.00	70.00				MinPts
	10958.72	32.81	10954.03	10925.91	4043.31		370.00	370.00				MinPt-EOU
	10958.95	32.81	10954.03	10926.14	3736.26		400.00	400.00				MinPt-EOU
	10960.80	32.81	10953.99	10927.99	2266.59		620.00	620.00				MinPt-EOU
	10962.16	32.81	10953.80	10929.35	1718.82		780.00	780.00				MinPt-EOU
	10773.59	44.82	10743.13	10728.77	375.22		2450.00	2446.89				MinPt-CiCt
	10773.74	45.27	10742.97	10728.47	371.33		2510.00	2506.44				MinPt-EOU
	10773.92	45.50	10743.00	10728.42	369.40		2540.00	2536.22				MinPt-ADP
	10765.16	59.44	10724.94	10705.72	279.92		3410.00	3399.73				MinPt-CiCt
	10765.40	60.17	10724.70	10705.23	276.41		3490.00	3479.14				MinPt-EOU
	10765.77	60.63	10724.77	10705.14	274.26		3540.00	3528.76				MinPt-ADP
	10493.88	121.18	10412.55	10372.70	131.63		8050.00	8032.55				MinPt-CiCt
	10494.47	122.91	10412.00	10371.56	129.76		8210.00	8192.55				MinPt-EOU
	10494.91	123.43	10412.08	10371.48	129.21		8260.00	8242.55				MinPt-ADP
	10611.93	143.93	10515.45	10468.01	111.84		10335.93	10318.48				MinPt-SF
	1405.19	236.65	1246.93	1168.54	8.95		21042.30	10883.00				MinPts
30-025-47138 - HEARTTHROB 17 STATE 202H - IFR1 to 14918ft - A (DefinitiveSurvey) - Pass												
	10958.94	32.81	10955.54	10926.13	7746.57		0.00	0.00				Surface
	10958.81	32.81	10955.42	10926.00	7745.59		23.00	23.00				WRP
	10958.70	32.81	10955.30	10925.89	7693.09		70.00	70.00				MinPts
	10959.46	32.81	10955.10	10926.65	4614.98		320.00	320.00				MinPt-EOU
	10959.90	32.81	10955.05	10927.09	3820.33		390.00	390.00				MinPt-EOU
	10756.78	59.56	10716.48	10697.22	279.10		3330.00	3320.33				MinPt-CiCt
	10757.25	60.95	10716.03	10696.30	272.56		3460.00	3449.36				MinPt-EOU
	10757.77	61.58	10716.13	10696.19	269.73		3520.00	3508.91				MinPt-ADP
	10556.18	121.21	10474.83	10434.96	132.37		8000.00	7982.55				MinPt-CiCt
	10557.32	124.59	10473.73	10432.73	128.75		8280.00	8262.55				MinPt-EOU
	10558.83	126.42	10474.01	10432.41	126.89		8430.00	8412.55				MinPt-ADP
	10581.53	140.69	10487.19	10440.64	114.11		9480.00	9462.55				MinPt-ADP
	10630.74	147.11	10532.13	10483.63	109.58		10335.93	10318.48				MinPt-SF
	1452.39	259.77	1278.71	1192.62	8.43		21042.30	10883.00				MinPts



Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 Proposal Geodetic Report

Def Plan

Report Date:	October 23, 2025 - 02:57 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTERRA	Vertical Section Azimuth:	179.610 °(GRID North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Coterra - Tres Equis 5-8 State Pad Lot 3 / Tres Equis 5-8 State Com	TVD Reference Datum:	RKB
Well:	Tres Equis 5-8 State Com 212H	TVD Reference Elevation:	3679.000 ft above MSL
Borehole:	Tres Equis 5-8 State Com 212H	Seabed / Ground Elevation:	3656.000 ft above MSL
UBHI / API#:	Unknown / Unknown	Magnetic Declination:	6.057°
Survey Name:	Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25	Total Gravity Field Strength:	998.4383mgm (9.80665 Based)
Survey Date:	October 22, 2025	Gravity Model:	GARM
Tort / AHD / DDI / ERD Ratio:	113.966 ° / 10676.835 ft / 6.370 / 0.978	Total Magnetic Field Strength:	47180.49 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.731°
Location Lat / Long:	32°15'10.96045"N, 103°35'50.85162"W	Declination Date:	October 23, 2025
Location Grid NIE YX:	N 456570.530 ftUS , E 768823.830 ftUS	Magnetic Declination Model:	HOGM 2025
CRS Grid Convergence Angle:	0.393°	North Reference:	Grid North
Grid Scale Factor:	0.99996836(Applied)	Grid Convergence Used:	0.393°
Version / Patch:	2025.1.0.1	Total Corr Mag North->Grid North:	5.664°
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327FNL, 1678FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
Nudge, Build 2"/100ft	1,800.00	0.00	40.38	1,800.00	-1,879.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
Hold	2,150.12	7.00	40.38	2,149.25	-1,529.75	-16.18	16.28	13.84	456,586.81	768,837.67	32.25308905	-103.59741364	2.00	2.00	0.00
Drop 2"/100ft	4,255.61	7.00	40.38	4,239.23	-560.23	-210.59	211.82	180.16	456,782.35	769,003.98	32.25362338	-103.59687137	0.00	0.00	0.00
Hold	4,605.93	0.00	40.38	4,588.48	909.48	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	2.00	-2.00	0.00
KOP, Build 10"/100ft	10,335.93	0.00	40.38	10,318.48	6,639.48	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
Build & Turn 5"/100ft	11,085.93	75.00	193.61	10,871.91	7,192.91	-185.28	-184.64	94.07	456,385.90	768,917.90	32.25253530	-103.59715861	10.00	10.00	0.00
Landing Point	11,405.22	90.18	188.61	10,913.00	7,234.00	-494.37	33.49	456,076.18	768,857.32	32.25168513	-103.59736141	5.00	4.75	-1.57	
Turn 2"/100ft	11,535.22	90.18	188.61	10,912.59	7,233.59	-622.90	14.03	455,947.65	768,837.86	32.25133221	-103.59742721	0.00	0.00	0.00	
Hold	11,985.05	90.18	179.61	10,911.18	7,232.18	-1,070.96	-1,071.11	-18.19	455,499.46	768,805.64	32.25010089	-103.59754136	2.00	0.00	-2.00
Tres Equis 5-8 State Com 212H - BHL [100FSL, 1652FWL]	21,042.30	90.18	179.61	10,883.00	7,204.00	-10,128.17	-10,128.11	42.92	446,442.76	768,866.75	32.22520583	-103.59754439	0.00	0.00	0.00

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300.000	1/100.000	5 – 12.25 – 8.75	3.375 – 9.625	7	A001Mb_MWD		Tres Equis 5-8 State Com 212H / Coterra Tres Equ
	1	10,300.000	21,042.298	1/100.000	8.75 – 6	7 – 5		A008Mb_MWD+FR1+MS		Tres Equis 5-8 State Com 212H / Coterra Tres Equ
EOU Geometry:										
End MD (ft)		Hole Size (in)	Casing Size (in)				Name			
1,364.900		17.500	13.375							
4,998.900		12.250	9.625							
11,815.900		8.750	7.000							
21,042.298		6.000	5.000							



Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 Proposal Geodetic

Report
Def Plan

Report Date: October 23, 2025 - 02:57 PM (UTC 0)
Client: COTERRA
Field: NM Lea County (NAD 83)
Structure / Slot: Coterra - Tres Equis 5-8 State Pad Lot 3 / Tres Equis 5-8 State Com
Well: Tres Equis 5-8 State Com 212H
Borehole: Tres Equis 5-8 State Com 212H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25
Survey Date: October 23, 2025
Tort / AHD / DDI / ERD Ratio: 113.966' / 10676.835 ft / 6.370 / 0.978
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'10.96045"N, 103°35'50.85162"W
Location Grid N/E Y/X: N 456570.530 RUS, E 768823.830 RUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99998836(Applied)
Version / Patch: 2025.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.610 (°GRD North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3679.000 ft above MSL
Sealed / Ground Elevation: 3656.000 ft above MSL
Magnetic Declination: 6.057"
Total Gravity Field Strength: 996.4383mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47180.49 nT
Magnetic Dip Angle: 59.731°
Declination Date: October 23, 2025
Magnetic Declination Model: HDGM 2025
North Reference: Grid North
Grid Convergence Used: 0.393"
Total Corr Mag North->Grid North: 5.664'
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327°FNL, 1678°FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878			
	100.00	0.00	40.38	100.00	-3.579.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	200.00	0.00	40.38	200.00	-3.479.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	300.00	0.00	40.38	300.00	-3.379.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	400.00	0.00	40.38	400.00	-3.279.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	500.00	0.00	40.38	500.00	-3.179.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	600.00	0.00	40.38	600.00	-3.079.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	700.00	0.00	40.38	700.00	-2.979.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	800.00	0.00	40.38	800.00	-2.879.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	900.00	0.00	40.38	900.00	-2.779.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,000.00	0.00	40.38	1,000.00	-2.679.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,100.00	0.00	40.38	1,100.00	-2.579.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,200.00	0.00	40.38	1,200.00	-2.479.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,247.00	0.00	40.38	1,247.00	-2.432.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,300.00	0.00	40.38	1,300.00	-2.379.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
A3 Top	1,352.00	0.00	40.38	1,352.00	-2.327.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,400.00	0.00	40.38	1,400.00	-2.279.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,496.00	0.00	40.38	1,496.00	-2.183.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,500.00	0.00	40.38	1,500.00	-2.179.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,600.00	0.00	40.38	1,600.00	-2.079.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,700.00	0.00	40.38	1,700.00	-1.979.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,764.00	0.00	40.38	1,764.00	-1.915.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,800.00	0.00	40.38	1,800.00	-1.879.00	0.00	0.00	0.00	456,570.53	768,823.83	32.25304457	-103.59745878	0.00	0.00	0.00
	1,900.00	2.00	40.38	1,899.98	-1.779.02	-1.32	1.33	1.13	456,571.86	768,824.96	32.25304820	-103.59745510	2.00	2.00	0.00
	2,000.00	4.00	40.38	1,999.84	-1.679.16	-5.28	5.32	4.52	456,575.85	768,828.35	32.25305909	-103.59744404	2.00	2.00	0.00
	2,100.00	6.00	40.38	2,099.45	-1.579.55	-11.89	11.95	10.17	456,582.48	768,834.00	32.25307723	-103.59742563	2.00	2.00	0.00
	2,150.12	7.00	40.38	2,149.25	-1.529.75	-16.18	16.28	13.84	456,586.81	768,837.67	32.25308905	-103.59741364	2.00	2.00	0.00
	2,200.00	7.00	40.38	2,198.76	-1.480.24	-20.79	20.91	17.78	456,591.44	768,841.61	32.25310170	-103.59740080	0.00	0.00	0.00
	2,300.00	7.00	40.38	2,298.01	-1.380.99	-30.02	30.20	25.68	456,600.72	768,849.51	32.25312708	-103.59737505	0.00	0.00	0.00
	2,400.00	7.00	40.38	2,397.27	-1.281.73	-39.25	39.48	33.58	456,610.01	768,857.41	32.25315246	-103.59734929	0.00	0.00	0.00
Nudge, Build 2°/100ft	2,500.00	7.00	40.38	2,496.52	-1.182.48	-48.49	48.77	41.48	456,619.30	768,865.31	32.25317783	-103.59732354	0.00	0.00	0.00
	2,600.00	7.00	40.38	2,595.77	-1.083.23	-57.72	58.06	49.38	456,628.58	768,873.20	32.25320321	-103.59729779	0.00	0.00	0.00
	2,700.00	7.00	40.38	2,695.03	-983.97	-66.95	67.34	57.27	456,637.87	768,881.10	32.25322858	-103.59727204	0.00	0.00	0.00
	2,800.00	7.00	40.38	2,794.28	-884.72	-76.18	76.63	65.17	456,647.16	768,889.00	32.25325396	-103.59724628	0.00	0.00	0.00
	2,900.00	7.00	40.38	2,893.54	-785.46	-85.42	85.92	73.07	456,656.44	768,896.90	32.25327934	-103.59722053	0.00	0.00	0.00
	3,000.00	7.00	40.38	2,992.79	-686.21	-94.65	95.20	80.97	456,665.73	768,904.80	32.25330471	-103.59719478	0.00	0.00	0.00
	3,100.00	7.00	40.38	3,092.04	-586.96	-103.88	104.49	88.87	456,675.01	768,912.69	32.25333009	-103.59716903	0.00	0.00	0.00
	3,200.00	7.00	40.38	3,191.30	-487.70	-113.11	113.77	96.77	456,684.30	768,920.59	32.25335546	-103.59714327	0.00	0.00	0.00
	3,300.00	7.00	40.38	3,290.55	-388.45	-122.35	123.06	104.66	456,693.59	768,928.49	32.25338084	-103.59711752	0.00	0.00	0.00
	3,400.00	7.00	40.38	3,389.81	-289.19	-131.58	132.35	112.56	456,702.87	768,936.39	32.25340621	-103.59709177	0.00	0.00	0.00
	3,500.00	7.00	40.38	3,489.06	-189.94	-140.81	141.63	120.46	456,712.16	768,944.29	32.25343159	-103.59706602	0.00	0.00	0.00
	3,600.00	7.00	40.38	3,588.31	-90.69	-150.04	150.92	128.36	456,721.45	768,952.18	32.25345697	-103.59704026	0.00	0.00	0.00
	3,700.00	7.00	40.38	3,687.57	8.57	-159.28	160.21	136.26	456,730.73	768,960.08	32.25348234	-103.59701451	0.00	0.00	0.00
	3,800.00	7.00	40.38	3,786.82	107.82	-168.51	169.49	144.16	456,740.02	768,967.98	32.25350772	-103.59698876	0.00	0.00	0.00
	Drop 2°/100ft	3,900.00	7.00	40.38	3,886.08	207.08	-177.74	178.78	152.05	456,749.30	768,975.88	32.25353309	-103.59696300	0.00	0.00
4,000.00		7.00	40.38	3,985.33	306.33	-186.97	188.07	159.95	456,758.59	768,983.78	32.25355847	-103.59693725	0.00	0.00	0.00
4,100.00		7.00	40.38	4,084.59	405.59	-196.21	197.35	167.85	456,767.88	768,991.67	32.25358385	-103.59691150	0.00	0.00	0.00
4,200.00		7.00	40.38	4,183.84	504.84	-205.44	206.64	175.75	456,777.16	768,999.57	32.25360922	-103.59688575	0.00	0.00	0.00
4,255.81		7.00	40.38	4,239.23	560.23	-210.59	211.82	180.16	456,782.35	769,003.98	32.25362338	-103.59687137	0.00	0.00	0.00
4,300.00		6.12	40.38	4,283.13	604.13	-214.42	215.67	183.43	456,786.19	769,007.25	32.25363389	-103.59686071	2.00	-2.00	0.00
4,400.00		4.12	40.38	4,382.73	703.73	-221.17	222.46	189.21	456,792.99	769,013.03	32.25365426	-103.59684186	2.00	-2.00	0.00
4,500.00		2.12	40.38	4,482.58	803.58	-225.29	226.61	192.73	456,797.13	769,016.55	32.25366379	-103.59683037	2.00	-2.00	0.00
4,600.00		0.12	40.38	4,582.55	903.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	2.00	-2.00	0.00
4,605.93		0.00	40.38	4,588.48	909.48	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	2.00	-2.00	0.00
4,700.00		0.00	40.38	4,682.55	1,003.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
4,800.00		0.00	40.38	4,782.55	1,103.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
4,900.00		0.00	40.38	4,882.55	1,203.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
5,000.00		0.00	40.38	4,982.55	1,303.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
5,100.00		0.00	40.38	5,082.55	1,403.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
Lamar Bell Canyon	5,102.45	0.00	40.38	5,085.00	1,406.00	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	5,152.45	0.00	40.38	5,135.00	1,453.00	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	5,200.00	0.00	40.38	5,182.55	1,503.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	5,300.00	0.00													

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Leonard	9,100.00	0.00	40.38	9,082.55	5,403.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,200.00	0.00	40.38	9,182.55	5,503.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,225.45	0.00	40.38	9,208.00	5,529.00	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,300.00	0.00	40.38	9,282.55	5,603.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,400.00	0.00	40.38	9,382.55	5,703.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
Avalon	9,442.45	0.00	40.38	9,425.00	5,746.00	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,500.00	0.00	40.38	9,482.55	5,803.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,600.00	0.00	40.38	9,582.55	5,903.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,700.00	0.00	40.38	9,682.55	6,003.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	9,800.00	0.00	40.38	9,782.55	6,103.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
1st BS SS	9,900.00	0.00	40.38	9,882.55	6,203.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,000.00	0.00	40.38	9,982.55	6,303.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,100.00	0.00	40.38	10,082.55	6,403.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,147.45	0.00	40.38	10,130.00	6,431.00	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,200.00	0.00	40.38	10,182.55	6,503.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
KOP, Build 10"/100ft	10,300.00	0.00	40.38	10,282.55	6,603.55	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,335.93	0.00	40.38	10,318.48	6,639.48	-226.77	228.10	194.00	456,798.62	769,017.82	32.25366786	-103.59682623	0.00	0.00	0.00
	10,400.00	6.41	193.61	10,382.42	6,703.42	-223.30	224.62	193.16	456,795.14	769,016.98	32.25365832	-103.59682904	10.00	10.00	0.00
	10,500.00	16.41	193.61	10,480.32	6,801.32	-204.14	205.42	188.51	456,775.95	769,012.33	32.25360564	-103.59684450	10.00	10.00	0.00
	10,600.00	26.41	193.61	10,573.30	6,894.30	-168.77	169.99	179.93	456,740.52	769,003.76	32.25350842	-103.59687303	10.00	10.00	0.00
Build & Turn 5"/100ft	10,700.00	36.41	193.61	10,658.54	6,979.54	-118.27	119.41	157.94	456,699.91	768,991.91	32.25336991	-103.59691376	10.00	10.00	0.00
	10,800.00	46.41	193.61	10,733.45	7,054.45	-54.17	55.21	152.14	456,625.74	768,975.97	32.25319344	-103.59696546	10.00	10.00	0.00
	10,900.00	56.41	193.61	10,795.75	7,116.75	21.57	-20.66	133.77	456,549.87	768,957.60	32.25298526	-103.59702656	10.00	10.00	0.00
	11,000.00	66.41	193.61	10,843.55	7,164.55	106.66	-105.89	113.14	456,464.64	768,936.96	32.25275139	-103.59709519	10.00	10.00	0.00
	11,085.93	75.00	193.61	10,871.91	7,192.91	185.28	-184.64	94.07	456,385.90	768,917.90	32.25253530	-103.59715861	10.00	10.00	0.00
2nd BS SS	11,100.00	75.67	193.38	10,875.48	7,196.48	198.49	-197.88	90.89	456,372.66	768,914.72	32.25249897	-103.59716918	5.00	4.74	-1.64
	11,192.96	80.08	191.89	10,895.00	7,216.00	287.02	-286.54	71.03	456,284.00	768,894.86	32.25225566	-103.59723540	5.00	4.75	-1.60
	11,200.00	80.42	191.78	10,896.19	7,217.19	293.80	-293.33	69.61	456,277.21	768,893.43	32.25223701	-103.59724015	5.00	4.75	-1.58
	11,300.00	85.17	190.22	10,908.73	7,229.73	391.02	-390.69	50.69	456,179.85	768,874.51	32.25196978	-103.59730351	5.00	4.76	-1.56
	11,400.00	89.93	188.69	10,913.00	7,234.00	489.43	-489.21	34.28	456,081.34	768,858.11	32.25169930	-103.59735876	5.00	4.76	-1.53
Landing Point	11,405.22	90.18	188.61	10,913.00	7,234.00	494.58	-494.37	33.49	456,076.18	768,857.32	32.25168513	-103.59736141	5.00	4.76	-1.53
	11,500.00	90.18	188.61	10,912.70	7,233.70	588.20	-588.08	19.30	455,982.47	768,843.13	32.25142782	-103.59740939	0.00	0.00	0.00
	11,535.22	90.18	188.61	10,912.59	7,233.59	622.98	-622.90	14.03	455,947.65	768,837.86	32.25133221	-103.59742721	0.00	0.00	0.00
	11,600.00	90.18	187.31	10,912.39	7,233.39	687.08	-687.06	5.06	455,883.50	768,828.89	32.25115604	-103.59745786	2.00	0.00	-2.00
	11,700.00	90.18	185.17	10,912.07	7,233.07	786.39	-786.45	-5.94	455,784.11	768,817.89	32.25088308	-103.59749564	0.00	0.00	0.00
Hold	11,800.00	90.18	183.31	10,911.76	7,232.76	886.04	-886.16	-13.46	455,684.40	768,810.37	32.25069814	-103.59752197	2.00	0.00	-2.00
	11,900.00	90.18	181.31	10,911.45	7,232.45	985.93	-986.07	-17.50	455,584.49	768,806.33	32.25033461	-103.59753725	2.00	0.00	-2.00
	11,985.05	90.18	179.61	10,911.18	7,232.18	1,070.96	-1,071.11	-18.19	455,499.46	768,805.64	32.25010089	-103.59754136	2.00	0.00	-2.00
	12,000.00	90.18	179.61	10,911.13	7,232.13	1,085.91	-1,086.06	-18.09	455,484.50	768,805.74	32.25005978	-103.59754136	0.00	0.00	0.00
	12,100.00	90.18	179.61	10,910.82	7,231.82	1,185.91	-1,186.06	-17.41	455,384.51	768,806.42	32.24978492	-103.59754140	0.00	0.00	0.00
2nd BS SS	12,200.00	90.18	179.61	10,910.51	7,231.51	1,285.91	-1,286.06	-16.74	455,284.52	768,807.09	32.24951006	-103.59754143	0.00	0.00	0.00
	12,300.00	90.18	179.61	10,910.20	7,231.20	1,385.91	-1,386.05	-16.06	455,184.52	768,807.77	32.24923520	-103.59754147	0.00	0.00	0.00
	12,400.00	90.18	179.61	10,909.89	7,230.89	1,485.91	-1,486.05	-15.39	455,084.53	768,808.44	32.24896038	-103.59754150	0.00	0.00	0.00
	12,500.00	90.18	179.61	10,909.58	7,230.58	1,585.91	-1,586.05	-14.71	454,984.53	768,809.12	32.24868547	-103.59754154	0.00	0.00	0.00
	12,600.00	90.18	179.61	10,909.27	7,230.27	1,685.91	-1,686.05	-14.04	454,884.54	768,809.79	32.24841061	-103.59754157	0.00	0.00	0.00
2nd BS SS	12,700.00	90.18	179.61	10,908.96	7,229.96	1,785.91	-1,786.04	-13.37	454,784.55	768,810.47	32.24813575	-103.59754160	0.00	0.00	0.00
	12,800.00	90.18	179.61	10,908.65	7,229.65	1,885.91	-1,886.04	-12.69	454,684.55	768,811.14	32.24786088	-103.59754164	0.00	0.00	0.00
	12,900.00	90.18	179.61	10,908.33	7,229.33	1,985.91	-1,986.04	-12.02	454,584.56	768,811.81	32.24758602	-103.59754167	0.00	0.00	0.00
	13,000.00	90.18	179.61	10,908.02	7,229.02	2,085.91	-2,086.03	-11.34	454,484.57	768,812.49	32.24731116	-103.59754171	0.00	0.00	0.00
	13,100.00	90.18	179.61	10,907.71	7,228.71	2,185.91	-2,186.03	-10.66	454,384.57	768,813.16	32.24703629	-103.59754174	0.00	0.00	0.00
2nd BS SS	13,200.00	90.18	179.61	10,907.40	7,228.40	2,285.91	-2,286.03	-9.99	454,284.58	768,813.84	32.24676143	-103.59754177	0.00	0.00	0.00
	13,300.00	90.18	179.61	10,907.09	7,228.09	2,385.91	-2,386.03	-9.32	454,184.58	768,814.51	32.24648657	-103.59754181	0.00	0.00	0.00
	13,400.00	90.18	179.												

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Tres Equis 5-8 State Com 212H	21,000.00 21,042.30	90.18 90.18	179.61 179.61	10,883.13 10,883.00	7,204.13 7,204.00	10,085.87 10,128.17	-10,085.81 -10,128.11	42.64 42.92	446,485.06 446,442.76	768,866.46 768,866.75	32.22532209 32.22520583	-103.59754437 -103.59754439	0.00 0.00	0.00 0.00	0.00 0.00

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,300.000	1/100.000 ' 5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Tres Equis 5-8 State Com 212H / Coterra Tres Equ
	1	10,300.000	21,042.298	1/100.000	8.75 – 6	7 – 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 212H / Coterra Tres Equ

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,364.900	17.500	13.375	
4,998.900	12.250	9.625	
11,815.900	8.750	7.000	
21,042.298	6.000	5.000	

1. Geological Formations

TVD of target 10913

Pilot Hole TD N/A

MD at TD 21042

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1247	N/A	
Top of Salt	1764	N/A	
Base of Salt/Lamar	5085	N/A	
Top Delaware Sands/Bell Canyon	5135	N/A	
Cherry Canyon	6419	N/A	
Brushy Canyon	7483	N/A	
Bone Spring Lime	9018	N/A	
Leonard	9208	N/A	
Avalon	9425	N/A	
1st Bone Spring Sand	10130	Hydrocarbons	
2nd Bone Spring Sand	10895	Hydrocarbons	
2nd Bone Spring Sand - Target	10913	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	1372	1372	13-3/8"	48.00	H-40	ST&C	1.25	2.91	4.89
12 1/4	0	5115	5115	9-5/8"	40.00	HCK-55	LT&C	1.39	1.44	2.74
8 3/4	0	10336	10336	5-1/2"	20.00	P-110	BT&C	2.29	2.56	2.94
8 3/4	10336	21042	10883	5-1/2"	20.00	P-110	BT&C	2.18	2.43	58.59
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., Tres Equis 5 8 State Com 212H

	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	665	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	178	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	961	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	562	10.30	3.64	22.18		Lead: Tuned Light + LCM
	3119	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	4915	25

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

4. Pressure Control Equipment

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

X	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.				
X	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.				
N	Are anchors required by manufacturer?				

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1372'	Fresh Water	7.83 - 8.33	28	N/C
1372' to 5115'	Brine Water	9.83 - 10.33	30-32	N/C
5115' to 21042'	OBM	8.50 - 9.00	50-70	N/C

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

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

6. Logging and Testing Procedures

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

Additional Logs Planned	Interval
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7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	5093 psi
Abnormal Temperature	No

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

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

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

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

BOPE Additional Information & Testing

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

Additional Well Control Notes

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

Coterra: 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

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

Submit Electronically
Via E-permitting

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: Coterra Energy Operating Co. **OGRID:** 215099 **Date:** 10/7/25

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
Tres Equis 5 8 State Com 212H	NENW Sec 5 T24S, R33E	327FNL/ 1678FWL	1333	2133	2559	

IV. Central Delivery Point Name: Tres Equis 5 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
Tres Equis 5 8 State Com 212H		1/1/26	3/1/26	5/1/26	6/1/26	6/1/26

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

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

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

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

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

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

IX. Anticipated Natural Gas Production:

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

X. Natural Gas Gathering System (NGGS):

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

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

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

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

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

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

Section 3 - Certifications

Effective May 25, 2021

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

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

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

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

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

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

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

Section 4 - Notices

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

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

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

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

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

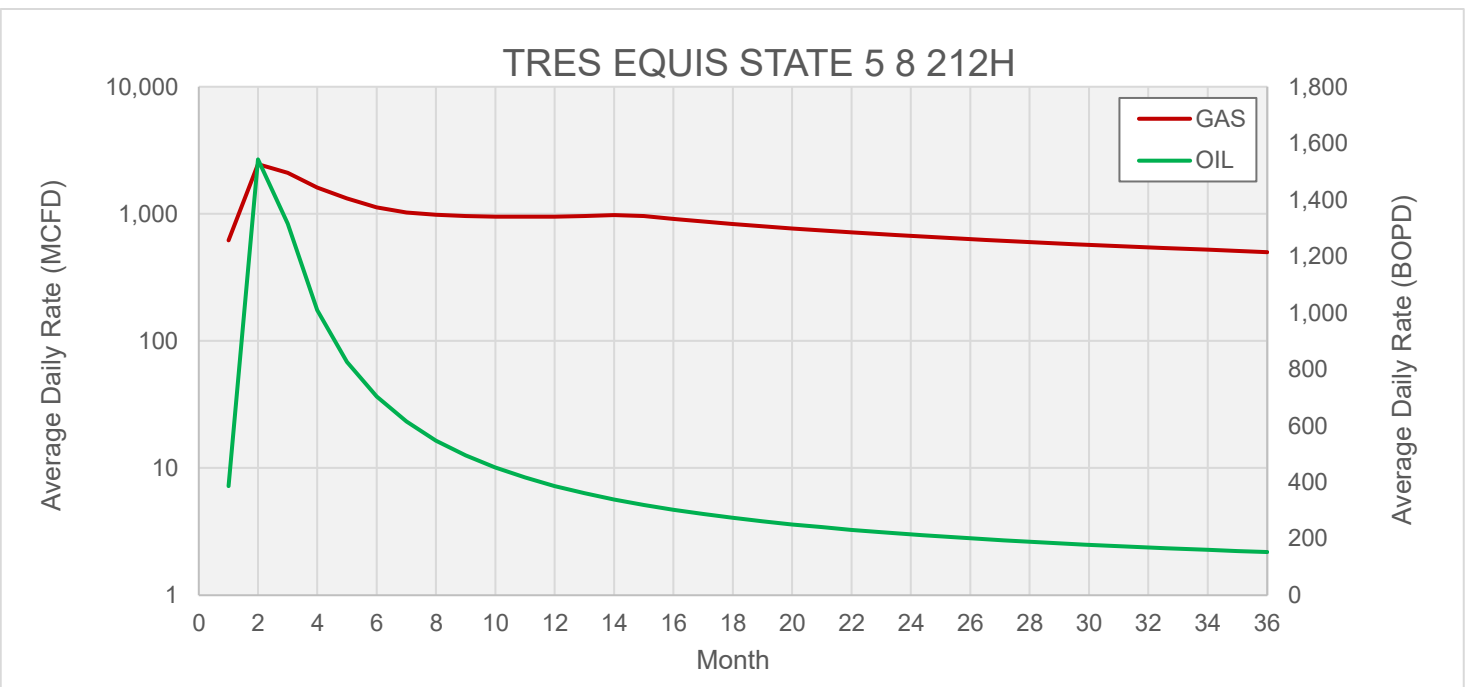
Signature:	<i>Shelly Bowen</i>
Printed Name:	Shelly Bowen
Title:	Sr. Regulatory Analyst
E-mail Address:	shelly.bowen@coterra.com
Date:	10/7/25
Phone:	432/620-1644
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

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.



	TRES EQUIS STATE 5 8 212H	TRES EQUIS STATE 5 8 212H
Labels	GAS MCFD	OIL BOPD
1	617	385
2	2,469	1,543
3	2,103	1,314
4	1,613	1,008
5	1,321	825
6	1,124	703
7	1,022	614
8	984	547
9	962	494
10	950	451
11	947	416
12	951	386
13	961	360
14	976	338
15	959	319
16	912	302
17	870	287
18	832	273
19	799	261
20	768	250
21	740	240
22	715	231
23	691	222
24	670	214
25	650	207
26	631	200
27	614	194
28	598	188
29	583	183
30	569	178
31	556	173
32	544	168
33	532	164
34	521	160
35	511	156
36	501	152

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.

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

WELL LOCATION INFORMATION

API Number	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code	Property Name TRES EQUIS 5 8 STATE COM	Well Number 212H
OGRID No.	Operator Name COTERRA ENERGY OPERATING CO.	Ground Level Elevation 3656.0'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 327 NORTH	Ft. from E/W 1678 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597459°	County LEA
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Bottom Hole Location

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Dedicated Acres 319.79	Infill or Defining Well Infill	Defining Well API 30-025-53707	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 352H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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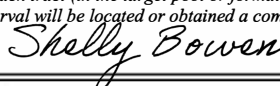
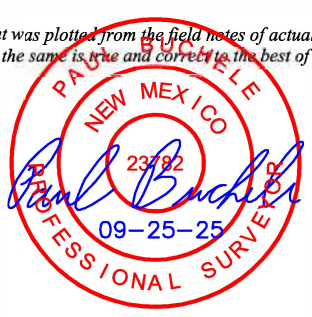
First Take Point (FTP)

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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Last Take Point (LTP)

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.0
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  10/7/2025 Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
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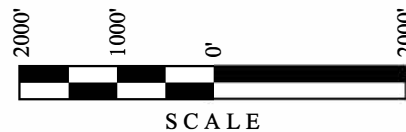
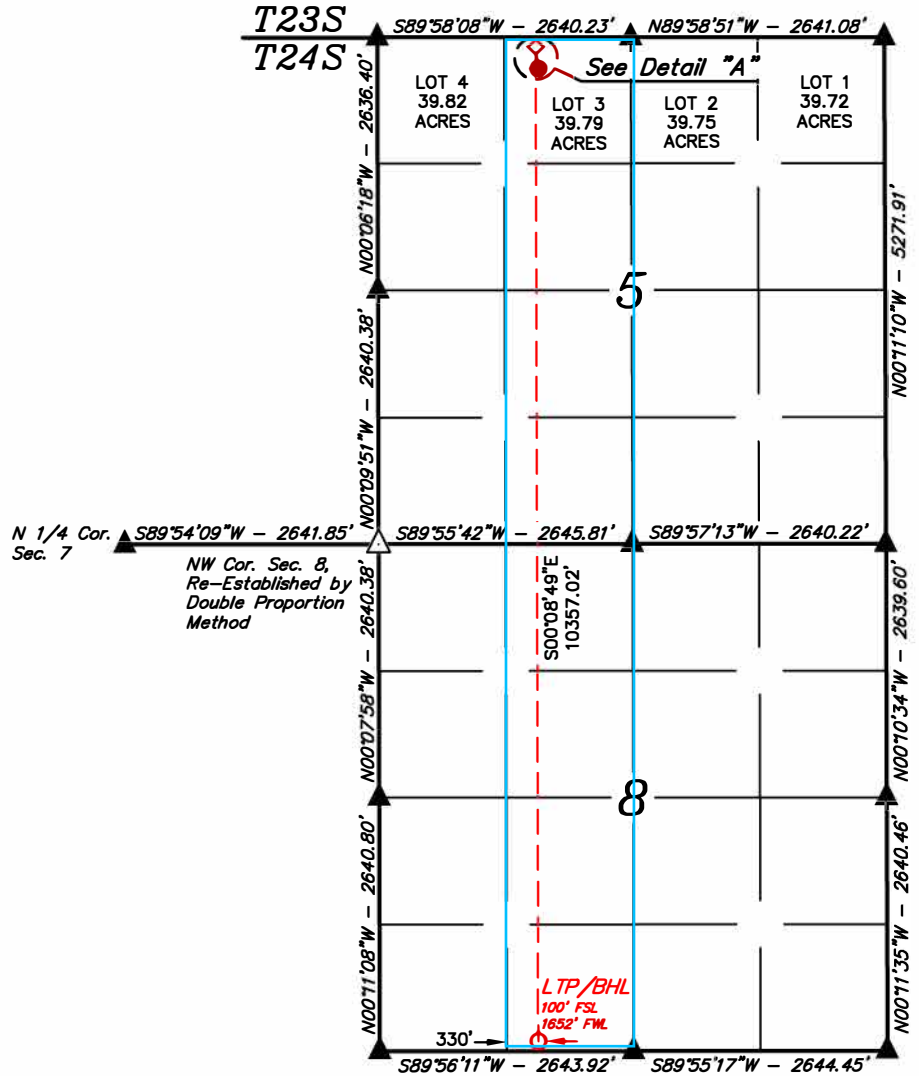
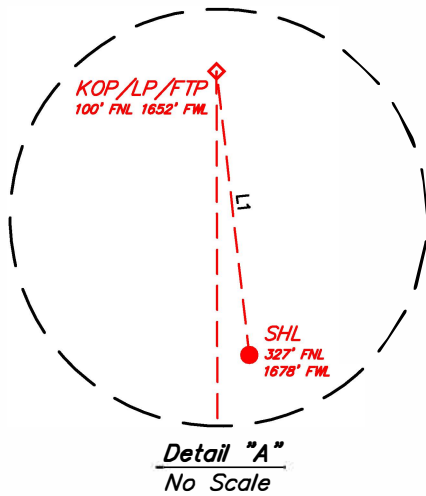
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 212H	Drawn By T.I.R. 09-25-25	Revised By
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- = SURFACE HOLE LOCATION
- ◆ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
- = LAST TAKE POINT/BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED.
(Not Set on Ground.)

NOTE:

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N06°32'43"W	228.87'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.96" (32.253045°)	
LONGITUDE = -103°35'50.85" (-103.597459°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.52" (32.252921°)	
LONGITUDE = -103°35'49.12" (-103.596978°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456570.53' E: 768823.83'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456511.44' E: 727640.07'	

NAD 83 (KOP/LP/FTP)	
LATITUDE = 32°15'13.21" (32.253670°)	
LONGITUDE = -103°35'51.15" (-103.597541°)	
NAD 27 (KOP/LP/FTP)	
LATITUDE = 32°15'12.77" (32.253546°)	
LONGITUDE = -103°35'49.42" (-103.597061°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456797.76' E: 768796.80'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456738.67' E: 727613.04'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°13'30.74" (32.225206°)	
LONGITUDE = -103°35'51.16" (-103.597544°)	
NAD 27 (LTP/BHL)	
LATITUDE = 32°13'30.30" (32.225082°)	
LONGITUDE = -103°35'49.44" (-103.597066°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 446442.76' E: 768866.75'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 446383.93' E: 727682.53'	