

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

General Information
Phone: (505) 629-6116

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

Form C-101
August 1, 2011

Permit 399506

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 30-025-55402
5. Property Name TRES EQUIS 5 8 STATE COM		6. Well No. 211H

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	1598	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
M	8	24S	33E	M	100	S	330	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 20932	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	20932	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 30-025-55402	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code 336378	Property Name TRES EQUIS 5 8 STATE COM	Well Number 211H
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 1598 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597717°	County LEA
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Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
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Dedicated Acres 319.82	Infill or Defining Well Infill	Defining Well API 30-025-53706	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 351H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.253677°	Longitude (NAD 83) -103.601817°	County LEA
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First Take Point (FTP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.253677°	Longitude (NAD 83) -103.601817°	County LEA
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Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	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> <i>Shelly Bowen</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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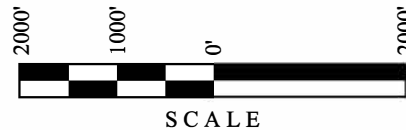
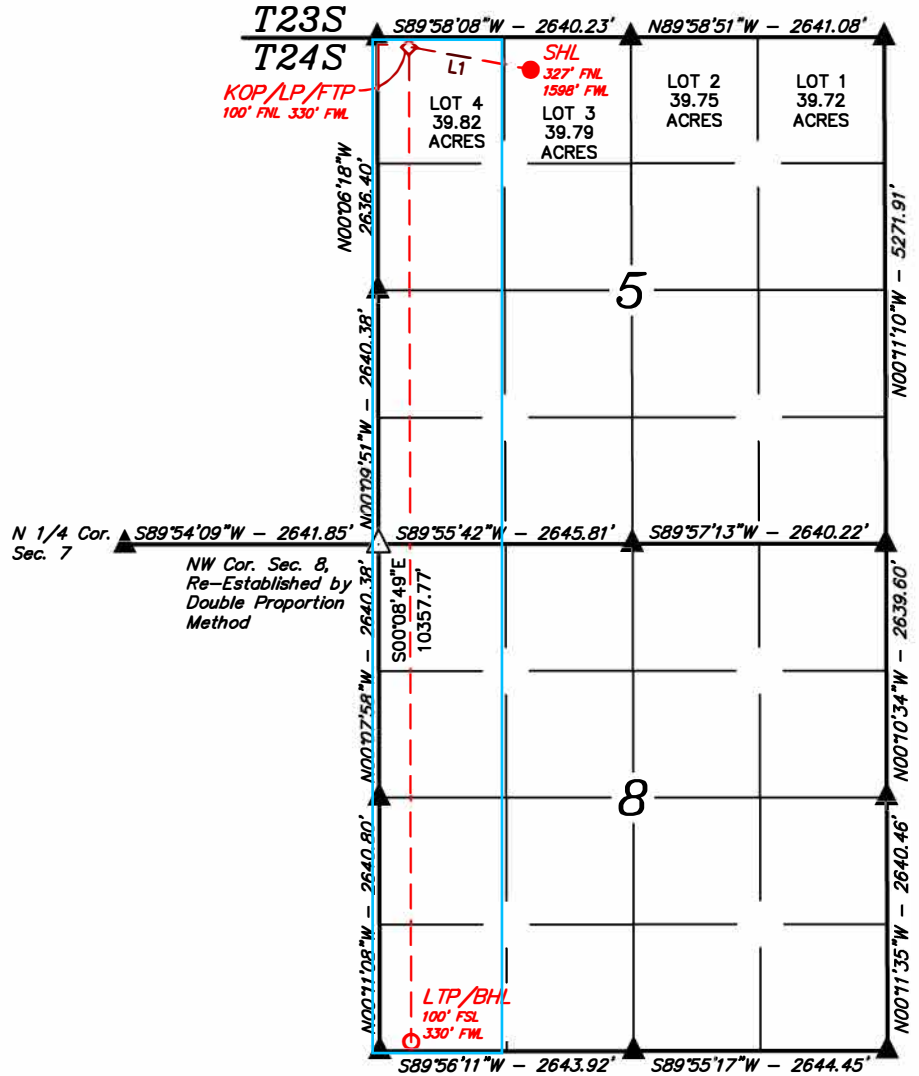
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 211H	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	N79°51'50"W	1288.19'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.96" (32.253045°)
LONGITUDE = -103°35'51.78" (-103.597717°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.52" (32.252921°)
LONGITUDE = -103°35'50.05" (-103.597237°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456570.15' E: 768743.85'
STATE PLANE NAD 27 (N.M. EAST)
N: 456511.06' E: 727560.08'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'13.24" (32.253677°)
LONGITUDE = -103°36'06.54" (-103.601817°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'12.79" (32.253554°)
LONGITUDE = -103°36'04.81" (-103.601336°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456791.50' E: 767475.04'
STATE PLANE NAD 27 (N.M. EAST)
N: 456732.41' E: 726291.28'

NAD 83 (LTP/BHL)
LATITUDE = 32°13'30.76" (32.225211°)
LONGITUDE = -103°36'06.55" (-103.601819°)
NAD 27 (LTP/BHL)
LATITUDE = 32°13'30.32" (32.225088°)
LONGITUDE = -103°36'04.82" (-103.601340°)
STATE PLANE NAD 83 (N.M. EAST)
N: 446435.76' E: 767544.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 446376.93' E: 726360.78'

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

Form APD Conditions

Permit 399506

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55402
	Well: TRES EQUIS 5 8 STATE COM #211H

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

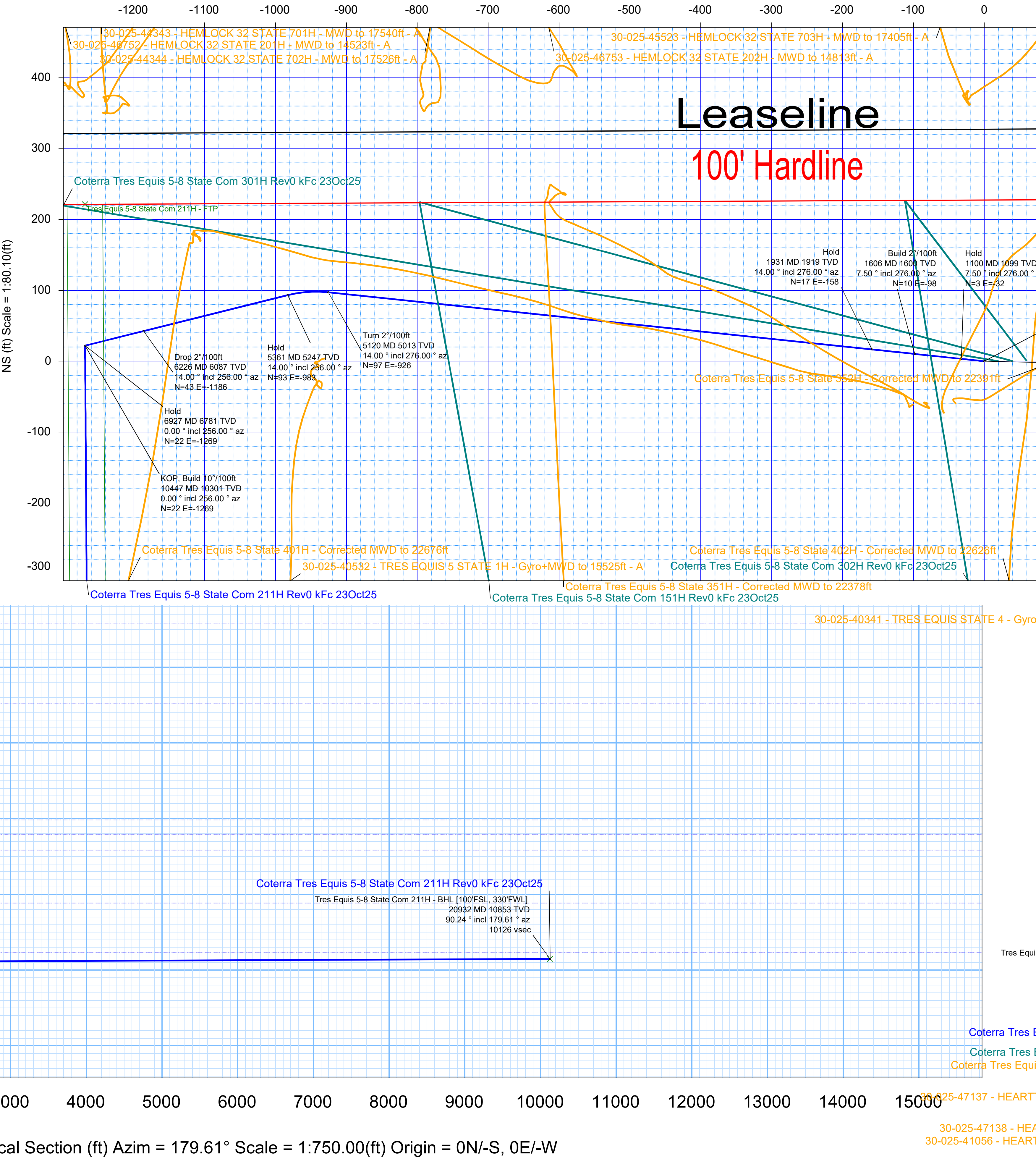
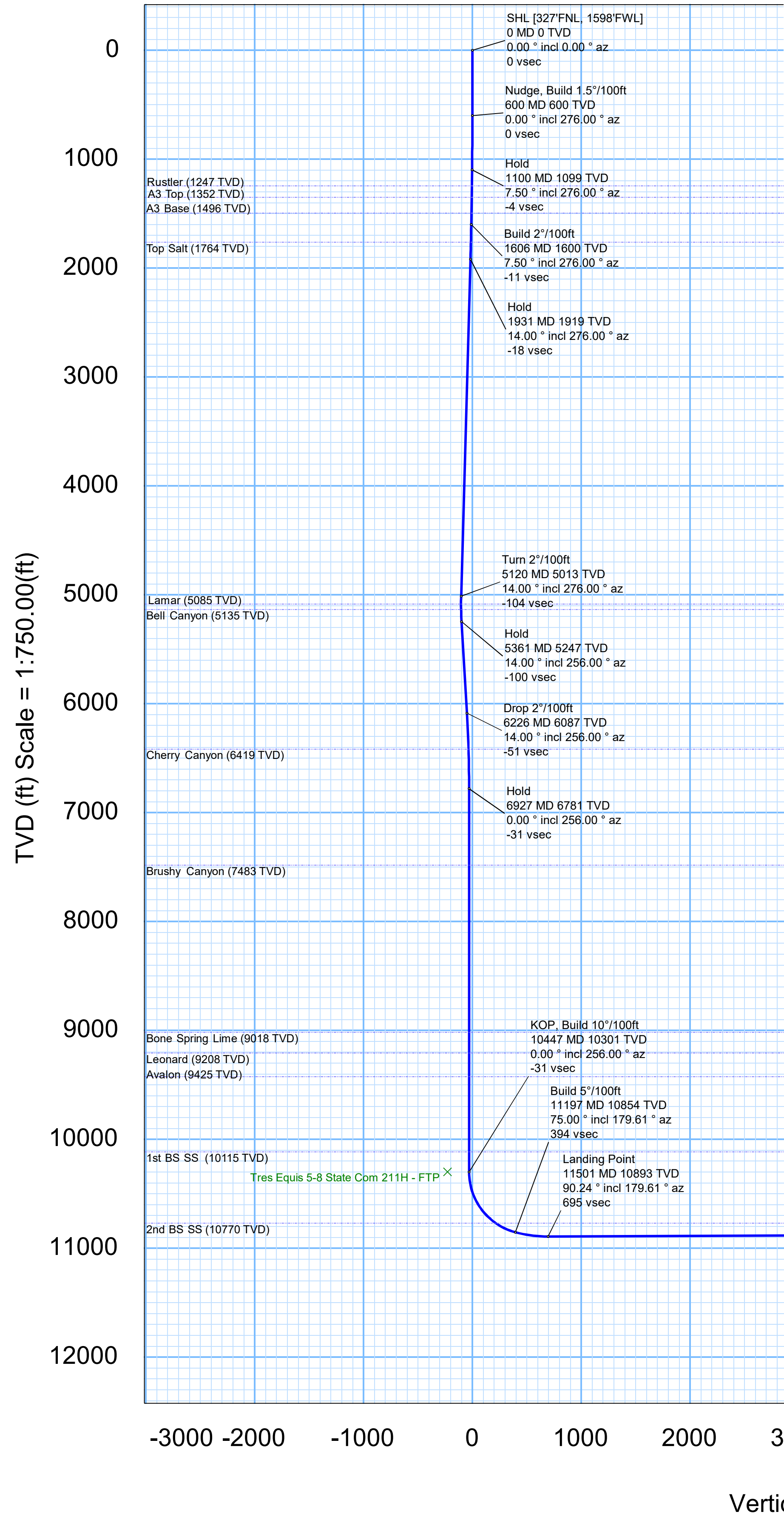
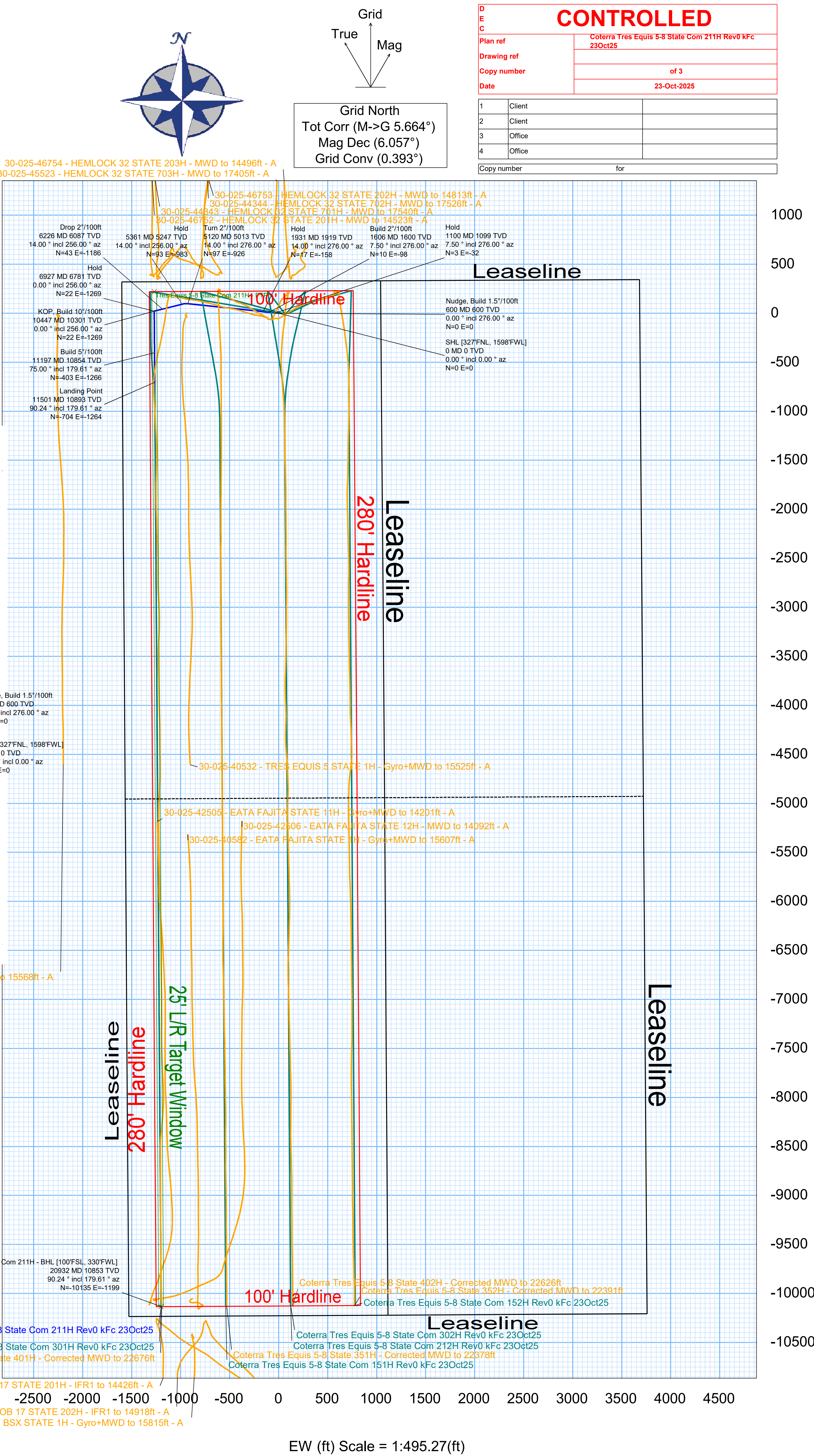
Rev0



Borehole:	Well:	Field:	Structure:
Tres Equis 5-8 State Com 211H	Tres Equis 5-8 State Com 211H	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:	456570.15ftUS	Grid Conv:	0.3926°	Slot:	Tres Equis 5-8 State	TVD Ref:	RKB (3679.000 ft above MSL)
MagDec:	6.057°	FS:	47180.557nT	Gravity FS:	998.438mgn (9.80665 Based)	Lon:	W 103 35 51.78	Easting:	768743.85ftUS	Scale Fact:	0.99996832	Plan:	Com 211H	Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25	

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
SHL [327°FNL, 1598°FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge, Build 1.5°/100ft	600.00	0.00	276.00	600.00	0.00	0.00	0.00	0.00
Hold	1100.00	7.50	276.00	1098.57	-3.64	3.42	-32.50	1.50
Rustler	1249.71	7.50	276.00	1247.00	-5.81	5.46	-51.93	0.00
A3 Top	1355.61	7.50	276.00	1352.00	-7.35	6.90	-65.68	0.00
A3 Base	1500.86	7.50	276.00	1496.00	-9.46	8.88	-84.53	0.00
Build 2°/100ft	1605.75	7.50	276.00	1600.00	-10.98	10.32	-98.15	0.00
Top Salt	1771.90	10.82	276.00	1764.00	-13.93	13.08	-124.46	2.00
Hold	1930.75	14.00	276.00	1919.13	-17.73	16.65	-158.41	2.00
Turn 2°/100ft	5119.75	14.00	276.00	5013.40	-103.59	97.29	-925.67	0.00
Lamar	5193.52	13.83	269.90	5085.00	-104.63	98.21	-943.36	2.00
Bell Canyon	5245.00	13.80	265.59	5135.00	-104.23	97.73	-955.63	2.00
Hold	5360.55	14.00	256.00	5247.18	-99.97	93.29	-982.94	2.00
Drop 2°/100ft	6226.38	14.00	256.00	6087.27	-50.67	42.60	-1186.24	0.00
Cherry Canyon	6564.09	7.25	256.00	6419.00	-36.03	27.54	-1246.63	2.00
Hold	6926.58	0.00	256.00	6780.52	-30.64	22.00	-1268.85	2.00
Brushy Canyon	7629.06	0.00	256.00	7483.00	-30.64	22.00	-1268.85	0.00
Bone Spring Lime	9164.06	0.00	256.00	9018.00	-30.64	22.00	-1268.85	0.00
Leonard	9354.06	0.00	256.00	9208.00	-30.64	22.00	-1268.85	0.00
Avalon	9571.06	0.00	256.00	9425.00	-30.64	22.00	-1268.85	0.00
1st BS SS	10261.06	0.00	256.00	10115.00	-30.64	22.00	-1268.85	0.00
KOP, Build 10°/100ft	10446.58	0.00	256.00	10300.52	-30.64	22.00	-1268.85	0.00
2nd BS SS	10996.82	55.02	179.61	10770.00	-213.89	-222.52	-1267.19	10.00
Build 5°/100ft	11196.58	75.00	179.61	10853.95	-394.03	-402.66	-1265.96	10.00
Landing Point	11501.44	90.24	179.61	10892.99	-695.47	-704.09	-1263.90	5.00
Tres Equis 5-8 State Com 211H - BHL [100°FSL, 330°FWL]	20932.38	90.24	179.61	10853.00	-10126.34	-10134.73	-1198.90	0.00





Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2025 - 02:55 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 211H
Well: Tres Equis 5-8 State Com 211H
Borehole: Tres Equis 5-8 State Com 211H
Scan MD Range: 0.00ft ~ 20932.38ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Tres Equis 5-8 State Com 211H 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 211H-COTERRA

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

Offset Trajectories Summary

Offset Selection Criteria

Bounding box scan: minimum Ct-Ct separation <= 2000ft
 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

23 out of 39 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 301H Rev0 kFc 23Oct25 (DefinitivePlan) - Warning Alert

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	16.40	12.96	3.60	3.25		CtCt 15.00m	600.00	600.00				MinPts
20.21	16.40	12.79	3.81	3.09		CtCt 15.00m	640.00	640.00				MinPt-EOU
21.58	16.40	13.50	5.17	2.99		CtCt 15.00m	710.00	709.98				MinPt-SF
47.18	19.80	33.55	27.38	3.72		OSF 5.00	1290.00	1286.95				MinPt-SF
107.81	86.62	49.73	21.19	1.87		OSF 5.00	5170.00	5062.17				MinPt-ADP
109.64	88.25	50.47	21.38	1.87		OSF 5.00	5240.00	5130.14				MinPt-SF
189.70	134.30	99.83	55.39	2.12		OSF 5.00	6860.00	6713.95				MinPt-CtCt
190.12	136.19	99.00	53.93	2.10		OSF 5.00	6950.00	6803.94				MinPt-EOU
190.39	136.53	99.04	53.86	2.10		OSF 5.00	6970.00	6823.94				MinPt-ADP
190.94	137.01	99.27	53.92	2.09		OSF 5.00	7000.00	6853.94				MinPt-SF
203.12	177.79	84.26	25.33	1.71		OSF 5.00	10450.00	10303.94				MinPts
599.79	182.70	477.66	417.09	4.94		OSF 5.00	11170.00	10846.48	OSF>5.00			Exit Alert
604.38	101.69	536.26	502.69	8.99			11501.44	10892.99				MinPt-CtCt
608.77	183.47	486.13	425.30	5.00		OSF 5.00	15470.00	10876.16	OSF<=5.00			Enter Alert
614.89	348.57	382.19	266.33	2.65		OSF 5.00	20930.00	10853.01				MinPts
614.90	348.56	382.20	266.34	2.65		OSF 5.00	20932.38	10853.00				TD

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	32.95	7.60	6.72		CtCt 15.00m	600.00	600.00				MinPts
40.20	32.39	32.78	7.81	6.35		CtCt 15.00m	640.00	640.00				MinPt-EOU
45.73	32.39	36.71	13.34	5.74		CtCt 15.00m	810.00	809.89				MinPt-SF
48.79	32.39	39.29	16.40	5.78		CtCt 15.00m	860.00	859.80	CtCt>15.00m			Exit Alert
209.49	46.44	178.20	163.05	6.88			3030.00	2985.72				MinPt-EOU
227.90	68.72	181.76	159.18	5.02			4270.00	4188.89				MinPt-ADP
228.59	69.30	182.06	159.29	5.00		OSF 5.00	4300.00	4217.99	OSF<=5.00			Enter Alert
233.21	71.30	185.35	161.91	4.95		OSF 5.00	4410.00	4324.73				MinPt-SF
241.12	73.12	192.05	168.01	4.99		OSF 5.00	4520.00	4431.46	OSF>5.00			Exit Alert
504.09	152.01	402.43	352.09	5.00		OSF 5.00	10110.00	9963.94	OSF<=5.00			Enter Alert
500.96	151.61	399.56	349.35	4.96		OSF 5.00	10190.00	10043.94				MinPt-SF
500.67	151.46	399.37	349.22	4.98		OSF 5.00	10210.00	10063.94				MinPts
500.63	151.37	399.39	349.26	4.98		OSF 5.00	10220.00	10073.94				MinPt-CtCt
500.93	151.05	399.90	349.88	5.00		OSF 5.00	10250.00	10103.94	OSF>5.00			Exit Alert
875.47	263.42	699.53	612.05	5.00		OSF 5.00	17890.00	10865.90	OSF<=5.00			Enter Alert
877.24	354.19	640.78	523.05	3.72		OSF 5.00	20932.38	10853.00				MinPts

Coterra Tres Equis 5-8 State 401H - Corrected MWD to 22676ft (DefinitiveSurvey) - Warning Alert

116.60	32.81	114.01	83.80	81.60			0.00	0.00				MinPts
116.62	32.81	114.03	83.81	81.61			23.00	23.00				WRP
69.09	32.81	54.37	36.28	4.96		OSF 5.00	1450.00	1445.58	OSF<=5.00			Enter Alert
58.83	32.81	41.14	26.02	3.46		OSF 5.00	1727.52	1720.35				MinPts
59.11	32.81	40.86	26.30	3.37		OSF 5.00	1780.00	1771.96				MinPt-EOU
61.18	32.81	41.98	28.37	3.30		OSF 5.00	1870.00	1860.02				MinPt-SF
105.84	43.04	76.82	62.80	3.74		OSF 5.00	2840.00	2801.36				MinPt-SF
161.32	61.43	120.04	99.89	3.98		OSF 5.00	4020.00	3946.31				MinPt-SF
166.94	63.51	124.27	103.42	3.98		OSF 5.00	4150.00	4072.45				MinPt-SF
200.09	73.55	150.73	126.54	4.12		OSF 5.00	4770.00	4674.03				MinPt-SF
216.20	79.11	163.13	137.09	4.13		OSF 5.00	5110.00	5003.93				MinPt-SF
244.78	94.53	181.43	150.25	3.91		OSF 5.00	5970.00	5838.51				MinPt-SF
219.32	142.55	123.96	76.77	2.31		OSF 5.00	9130.00	8983.94				MinPt-CtCt
217.52	159.45	110.89	58.07	2.05		OSF 5.00	10290.00	10143.94				MinPt-CtCt
217.84	160.26	110.67	57.58	2.04		OSF 5.00	10350.00	10203.94				MinPt-EOU
218.16	160.65	110.74	57.52	2.04		OSF 5.00	10380.00	10233.94				MinPt-ADP
218.43	160.89	110.85	57.54	2.04		OSF 5.00	10400.00	10253.94				MinPt-SF
557.04	170.21	443.24	386.84	4.93		OSF 5.00	11150.00	10840.09	OSF>5.00			Exit Alert
1677.72	119.36	1597.82	1558.37	21.25			12310.00	10889.56				MinPt-ADP
1679.17	121.54	1597.82	1557.64	20.88			12440.00	10889.01				MinPt-CtCt
1679.38	122.10	1597.65	1557.28	20.79			12490.00	10888.80				MinPt-EOU
1679.57	122.33	1597.69	1557.24	20.75			12510.00	10888.71				MinPt-ADP
1682.46	126.98	1597.48	1555.49	20.02			12790.00	10887.53				MinPt-EOU
1684.32	129.24	1597.83	1555.07	19.69			12920.00	10886.98				MinPt-ADP

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
1687.50	134.51		1597.50	1552.99	18.95		13180.00	10885.87				MinPt-EOU
1689.73	139.64		1596.31	1550.09	18.27		13430.00	10884.81				MinPt-EOU
1690.62	146.68		1592.50	1543.93	17.39		13730.00	10883.54				MinPt-CtCt
1690.68	150.65		1589.92	1540.03	16.94		13900.00	10882.82				MinPt-CtCt
1689.97	154.27		1586.80	1535.71	16.53		14060.00	10882.14				MinPt-CtCt
1690.25	155.04		1586.56	1535.21	16.45		14110.00	10881.93				MinPt-EOU
1690.50	155.35		1586.60	1535.15	16.42		14130.00	10881.84				MinPt-ADP
1693.70	161.35		1585.80	1532.35	15.83		14380.00	10880.78				MinPt-EOU
1695.97	165.10		1585.57	1530.87	15.49		14530.00	10880.15				MinPt-EOU
1697.02	166.34		1585.79	1530.67	15.38		14590.00	10879.89				MinPt-ADP
1698.96	170.79		1584.78	1528.17	15.00		14750.00	10879.22				MinPt-EOU
1699.59	171.57		1584.88	1528.02	14.94		14790.00	10879.05				MinPt-ADP
1704.61	178.11		1585.54	1526.50	14.43		15010.00	10878.11				MinPt-CtCt
1704.92	185.00		1581.25	1519.92	13.89		15270.00	10877.01				MinPt-CtCt
1705.03	190.41		1577.76	1514.62	13.49		15470.00	10876.16				MinPt-CtCt
1703.17	197.61		1571.11	1505.57	12.99		15740.00	10875.02				MinPt-CtCt
1703.92	209.84		1563.70	1494.08	12.23		16180.00	10873.15				MinPt-CtCt
1705.36	213.37		1562.78	1491.99	12.04		16330.00	10872.52				MinPt-EOU
1707.99	217.43		1562.70	1490.55	11.83		16470.00	10871.92				MinPt-EOU
1708.97	218.59		1562.91	1490.38	11.77		16520.00	10871.71				MinPt-ADP
1710.81	228.09		1558.42	1482.72	11.29		16810.00	10870.48				MinPt-CtCt
1710.78	244.30		1547.58	1466.47	10.54		17360.00	10868.15				MinPt-CtCt
1713.16	249.98		1546.18	1463.18	10.31		17580.00	10867.22				MinPt-EOU
1716.53	283.56		1527.16	1432.97	9.11		18660.00	10862.64				MinPt-CtCt
1717.74	287.39		1525.82	1430.35	8.99		18810.00	10862.00				MinPt-EOU
1718.74	288.56		1526.04	1430.18	8.96		18860.00	10861.79				MinPt-ADP
1718.19	294.13		1521.77	1424.06	8.79		19010.00	10861.15				MinPt-CtCt
1719.10	296.33		1521.22	1422.77	8.73		19110.00	10860.73				MinPt-EOU
1719.98	304.86		1516.41	1415.12	8.49		19370.00	10859.63				MinPt-CtCt
1725.15	333.95		1502.19	1391.20	7.77		20310.00	10855.64				MinPt-CtCt
1726.25	342.43		1497.63	1383.82	7.58		20580.00	10854.49				MinPt-CtCt
1726.44	350.62		1492.37	1375.82	7.40		20840.00	10853.39				MinPt-CtCt
1727.07	352.83		1491.53	1374.24	7.36		20932.38	10853.00				MinPts

30-025-40532 - TRES EQUIUS 5 STATE 1H - Gyro+MWD to 15525ft - A (DefinitiveSurvey) - Warning Alert

930.69	32.81	927.30	897.88	656.58			0.00	0.00				MinPts
930.73	32.81	927.33	897.92	656.58			23.00	23.00				WRP
221.17	67.66	175.48	153.52	4.99		OSF 5.00	4330.00	4247.10	OSF<=5.00			Enter Alert
117.82	88.50	58.29	29.33	2.01		OSF 5.00	5116.70	5010.44				MinPt-CtCt
118.36	90.03	57.81	28.34	1.98		OSF 5.00	5190.00	5081.59				MinPt-EOU
118.77	90.51	57.89	28.26	1.98		OSF 5.00	5220.00	5110.72				MinPt-ADP
119.08	90.78	58.03	28.31	1.98		OSF 5.00	5239.57	5129.73				MinPt-SF
329.86	156.12	225.24	173.74	3.19		OSF 5.00	10700.00	10545.76				MinPts
329.91	156.16	225.26	173.75	3.19		OSF 5.00	10710.00	10554.76				MinPt-SF
360.64	143.18	264.65	217.46	3.80		OSF 5.00	11460.00	10892.42				MinPt-CtCt
360.71	143.48	264.52	217.23	3.80		OSF 5.00	11480.00	10892.88				MinPt-EOU
360.84	143.62	264.55	217.22	3.79		OSF 5.00	11490.00	10892.98				MinPt-ADP
379.52	153.10	276.95	226.42	3.74		OSF 5.00	11950.00	10891.09				MinPt-SF
405.36	165.01	294.85	240.34	3.70		OSF 5.00	12460.00	10888.93				MinPt-EOU
403.89	179.63	283.64	224.26	3.39		OSF 5.00	12990.00	10886.68				MinPt-CtCt
404.60	181.86	282.86	222.74	3.35		OSF 5.00	13070.00	10886.34				MinPt-EOU
405.25	182.66	282.98	222.59	3.34		OSF 5.00	13100.00	10886.21				MinPt-ADP
420.84	195.62	289.93	225.23	3.24		OSF 5.00	13500.00	10884.52				MinPt-ADP
402.34	240.54	241.48	161.80	2.52		OSF 5.00	14880.00	10878.66				MinPt-CtCt
403.51	243.61	240.61	159.90	2.49		OSF 5.00	14990.00	10878.20				MinPt-EOU
415.33	261.57	240.45	153.76	2.39		OSF 5.00	15410.00	10876.42				MinPts
415.60	261.82	240.55	153.78	2.39		OSF 5.00	15420.00	10876.37				MinPt-SF
684.81	209.50	544.64	475.31	4.93		OSF 5.00	15950.00	10874.13	OSF>5.00			Exit Alert
5542.44	181.35	5421.04	5361.09	46.21			20932.38	10853.00				TD

30-025-44343 - HEMLOCK 32 STATE 701H - MWD to 17540ft - A (DefinitiveSurvey) - Warning Alert

1192.25	32.81	1188.85	1159.44	841.50			0.00	0.00				MinPts
1192.26	32.81	1188.86	1159.45	841.47			23.00	23.00				WRP
1194.40	32.81	1187.58	1161.59	246.38			550.00	550.00				MinPt-EOU
334.82	101.71	266.47	233.11	4.99		OSF 5.00	5870.00	5741.49	OSF<=5.00			Enter Alert
331.76	106.17	260.44	225.59	4.74		OSF 5.00	6060.00	5925.84				MinPt-CtCt
332.38	108.14	259.75	224.24	4.66		OSF 5.00	6150.00	6013.16				MinPt-EOU
333.25	109.20	259.91	224.05	4.62		OSF 5.00	6200.00	6061.68				MinPt-ADP
343.48	144.53	246.59	198.95	3.59		OSF 5.00	8890.00	8743.94				MinPt-CtCt
334.07	165.64	223.11	168.43	3.04		OSF 5.00	10450.00	10303.94				MinPt-CtCt
334.09	165.70	223.08	168.39	3.04		OSF 5.00	10460.00	10313.94				MinPts
559.95	169.20	446.62	390.76	5.00		OSF 5.00	10980.00	10760.16	OSF>5.00			Exit Alert
10484.41	180.81	10363.37	10303.60	87.69			20932.38	10853.00				TD

30-025-46752 - HEMLOCK 32 STATE 201H - MWD to 14523ft - A (DefinitiveSurvey) - Warning Alert

1266.85	32.81	1263.46	1234.04	894.24			0.00	0.00				MinPts
1266.86	32.81	1263.47	1234.05	894.17			23.00	23.00				WRP
365.16	109.57	291.58	255.60	5.05			6270.00	6129.68				MinPt-CtCt
365.40	110.84	290.97	254.56	5.00		OSF 5.00	6330.00	6188.25	OSF<=5.00			Enter Alert
365.84	111.66	290.87	254.19	4.96		OSF 5.00	6370.00	6227.44				MinPt-EOU
367.12	113.19	291.13	253.93	4.91		OSF 5.00	6450.00	6306.14				MinPt-ADP
377.76	130.37	290.31	247.39	4.38		OSF 5.00	7740.00	7593.94				MinPt-CtCt
361.38	148.20	262.04	213.18	3.68		OSF 5.00	9118.47	8972.41				MinPt-CtCt
361.47	148.45	261.97	213.02	3.68		OSF 5.00	9140.00	8993.94				MinPt-EOU
361.58	148.57	262.00	213.01	3.67		OSF 5.00	9150.00	9003.94				MinPt-ADP
362.15	148.90	262.34	213.24	3.67		OSF 5.00	9180.00	9033.94				MinPt-SF
472.02	143.45	375.84	328.56	4.97		OSF 5.00	9670.00	9523.94	OSF>5.00			Exit Alert
10666.18	174.80	10549.15	10491.38	92.31			20932.38	10853.00				TD

30-025-40582 - EATA FAJITA STATE 1H - Gyro+MWD to 15607ft - A (DefinitiveSurvey) - Warning Alert

10087.77	32.81	10084.38	10054.96	7130.86			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	
10087.56	32.81	10084.17	10054.76	7128.32			23.00	23.00				WRP
10087.26	32.81	10083.84	10054.45	7001.08			100.00	100.00				MinPts
10087.61	32.81	10083.71	10054.80	5248.91			240.00	240.00				MinPt-EOU
10088.24	32.81	10083.71	10055.44	3946.62			340.00	340.00				MinPt-EOU
10091.43	32.81	10079.87	10058.62	1053.17			1090.00	1088.66				MinPt-EOU
10093.56	32.81	10080.17	10060.76	884.33			1280.00	1277.03				MinPt-EOU
676.30	204.39	539.54	471.91	4.99		OSF 5.00	15560.00	10875.78	OSF<=5.00			Enter Alert
383.97	273.14	201.38	110.83	2.11		OSF 5.00	16120.00	10873.41				MinPts
414.17	254.40	244.07	159.77	2.45		OSF 5.00	17450.00	10867.77				MinPt-CtCt
468.89	251.37	300.81	217.52	2.81		OSF 5.00	19460.00	10859.24				MinPt-CtCt
468.34	255.10	297.77	213.24	2.76		OSF 5.00	19830.00	10857.67				MinPt-CtCt
468.47	255.49	297.64	212.97	2.76		OSF 5.00	19870.00	10857.50				MinPt-EOU
468.54	255.59	297.65	212.96	2.76		OSF 5.00	19880.00	10857.46				MinPt-ADP
374.18	276.19	189.55	97.99	2.04		OSF 5.00	20873.15	10853.25				MinPt-CtCt
374.22	276.27	189.54	97.95	2.03		OSF 5.00	20880.00	10853.22				MinPts
377.60	275.91	193.16	101.68	2.06		OSF 5.00	20932.38	10853.00				TD

30-025-41056 - HEARTTHROB BSX STATE 1H - Gyro-MWD to 15815ft - A (DefinitiveSurvey) - Warning Alert

10475.93	32.81	10472.54	10443.12	7405.13			0.00	0.00				Surface
10475.78	32.81	10472.39	10442.97	7403.83			23.00	23.00				WRP
10475.63	32.81	10472.22	10442.82	7330.36			80.00	80.00				MinPts
10476.14	32.81	10471.71	10443.33	4288.95			320.00	320.00				MinPt-EOU
10478.89	32.81	10470.83	10446.08	1723.26			730.00	729.97				MinPt-EOU
10480.37	32.81	10468.65	10447.56	1076.30			1060.00	1058.89				MinPts
10480.67	32.81	10466.75	10447.86	877.55			1290.00	1286.95				MinPt-EOU
10484.48	32.81	10465.48	10451.67	608.03			1970.00	1957.21				MinPt-EOU
10485.25	32.81	10465.47	10452.44	581.82			2050.00	2034.83				MinPt-EOU
10492.10	39.94	10464.88	10452.16	412.15			2740.00	2704.33				MinPt-EOU
10507.33	57.42	10468.47	10449.92	283.14			3740.00	3674.63				MinPt-ADP
10553.60	82.87	10497.82	10470.73	194.79			5160.00	5052.46				MinPt-EOU
10444.16	156.88	10339.03	10287.27	100.88			10370.00	10223.94				MinPt-CtCt
648.42	197.81	516.04	450.61	4.94		OSF 5.00	20660.00	10854.16	OSF<=5.00			Enter Alert
431.80	231.17	277.19	200.63	2.81		OSF 5.00	20932.38	10853.00				MinPts

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

72.10	32.81	69.40	39.29	50.07			0.00	0.00				Surface
72.10	32.81	69.39	39.29	50.06			23.00	23.00				WRP
55.26	32.81	44.08	22.45	5.46			1071.36	1070.16				MinPts
55.36	32.81	44.00	22.55	5.37			1090.00	1088.66				MinPt-EOU
57.94	32.81	45.79	25.14	5.21			1170.00	1167.97				MinPt-SF
1844.44	139.01	1751.44	1705.43	20.03			9380.00	9233.94				MinPt-CtCt
1845.69	151.49	1744.37	1694.20	18.38			10250.00	10103.94				MinPt-CtCt
1846.31	153.21	1743.84	1693.10	18.18			10380.00	10233.94				MinPt-EOU
1846.50	153.47	1743.86	1693.03	18.15			10400.00	10253.94				MinPt-ADP
1858.34	155.74	1754.19	1702.61	18.00			10710.00	10554.76				MinPt-SF
2404.63	157.89	2299.05	2246.75	22.98			12150.00	10890.24				MinPt-CtCt
2404.65	157.94	2299.03	2246.71	22.97			12160.00	10890.20				MinPt-EOU
2393.95	162.43	2285.33	2231.51	22.23			12640.00	10888.16				MinPt-CtCt
2394.03	162.67	2285.25	2231.35	22.20			12670.00	10888.04				MinPt-EOU
2394.09	162.76	2285.26	2231.34	22.19			12680.00	10887.99				MinPt-ADP
2405.84	175.99	2288.18	2229.84	20.61			13630.00	10883.96				MinPt-CtCt
2405.95	176.33	2288.07	2229.62	20.57			13660.00	10883.84				MinPt-EOU
2405.05	180.18	2284.60	2224.86	20.12			13880.00	10882.90				MinPt-CtCt
2408.22	190.25	2281.06	2217.97	19.08			14440.00	10880.53				MinPt-EOU
2408.47	190.55	2281.11	2217.92	19.05			14460.00	10880.45				MinPt-ADP
2415.26	199.36	2282.02	2215.90	18.26			14880.00	10878.66				MinPt-CtCt
2415.39	199.76	2281.89	2215.63	18.22			14910.00	10878.54				MinPt-EOU
2415.61	200.03	2281.93	2215.58	18.20			14930.00	10878.45				MinPt-ADP
2402.46	220.80	2254.93	2181.66	16.39			15860.00	10874.51				MinPt-CtCt
2404.60	226.96	2252.97	2177.64	15.95			16140.00	10873.32				MinPt-EOU
2408.84	234.32	2252.30	2174.52	15.48			16440.00	10872.05				MinPt-EOU
2411.21	237.76	2252.37	2173.44	15.27			16580.00	10871.46				MinPt-EOU
2412.08	238.79	2252.56	2173.29	15.21			16630.00	10871.24				MinPt-ADP
2419.57	257.77	2247.40	2161.80	14.13			17340.00	10868.23				MinPt-CtCt
2419.43	264.63	2242.68	2154.80	13.76			17600.00	10867.13				MinPt-CtCt
2419.72	265.55	2242.36	2154.17	13.71			17650.00	10866.92				MinPt-EOU
2420.16	266.09	2242.44	2154.07	13.69			17680.00	10866.79				MinPt-ADP
2421.70	275.29	2237.85	2146.41	13.24			18000.00	10865.43				MinPt-CtCt
2415.99	291.80	2221.13	2124.19	12.46			18610.00	10862.85				MinPt-CtCt
2416.15	292.30	2220.95	2123.85	12.44			18640.00	10862.72				MinPt-EOU
2416.40	292.62	2220.99	2123.78	12.42			18660.00	10862.64				MinPt-ADP
2425.60	297.39	2227.01	2128.21	12.27			18870.00	10861.75				MinPts
2431.30	308.41	2225.37	2122.89	11.86			19230.00	10860.22				MinPt-EOU
2434.90	319.23	2221.75	2115.67	11.47			19590.00	10858.69				MinPt-CtCt
2435.74	324.35	2219.18	2111.39	11.29			19770.00	10857.93				MinPt-CtCt
2436.79	327.42	2218.18	2109.36	11.19			19900.00	10857.38				MinPt-EOU
2438.19	329.08	2218.48	2109.11	11.14			19970.00	10857.08				MinPt-ADP
2440.17	337.02	2215.17	2103.15	10.89			20210.00	10856.06				MinPt-CtCt
2441.02	339.56	2214.31	2101.45	10.81			20320.00	10855.60				MinPt-EOU
2443.05	343.62	2213.64	2099.43	10.69			20460.00	10855.00				MinPt-EOU
2446.21	347.80	2214.02	2098.41	10.58			20610.00	10854.37				MinPt-EOU
2447.28	358.01	2208.28	2089.27	10.28			20930.00	10853.01				MinPt-CtCt
2447.28	358.04	2208.26	2089.24	10.28			20932.38	10853.00				MinPts

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

59.99	32.81	56.71	27.18	29.35			0.00	0.00				Surface
59.99	32.81	56.71	27.18	29.35			23.00	23.00				WRP
59.99	32.81	52.95	27.18	10.20			600.00	600.00				MinPts
60.20	32.81	52.78	27.39	9.61			640.00	640.00				MinPt-EOU
71.71	32.81	61.82	38.90	8.19			900.00	899.69				MinPt-SF
1174.86	156.29	1070.34	1018.57	11.34			10460.00	10313.94				MinPt-EOU

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

1174.91	156.36	1070.34	1018.55	11.33			10470.00	10323.94				MinPt-ADP
1180.68	157.75	1075.19	1022.94	11.29			10640.00	10490.29				MinPt-SF
1466.39	365.43	1222.45	1100.97	6.03			20932.38	10853.00				MinPts

Coterra Tres Equis 5-8 State 351H - Corrected MWD to 22378ft (DefinitiveSurvey) - Pass

99.99	32.81	97.29	67.18	69.78			0.00	0.00				MinPts
99.99	32.81	97.29	67.18	69.78			23.00	23.00				WRP
73.60	32.81	59.69	40.79	5.62			1367.88	1364.16				MinPts
73.82	32.81	59.47	41.01	5.45			1410.00	1405.92				MinPt-EOU
81.39	32.81	64.59	48.59	5.06			1650.00	1643.82				MinPt-SF
684.88	113.50	608.88	571.37	9.12			7450.00	7303.94				MinPt-CtCt
684.91	113.68	608.80	571.23	9.10			7470.00	7323.94				MinPt-EOU
684.98	113.77	608.81	571.21	9.10			7480.00	7333.94				MinPt-ADP
697.06	156.02	592.72	541.04	6.73			10480.00	10333.92				MinPt-CtCt
697.10	156.09	592.71	541.01	6.73			10490.00	10343.90				MinPts
697.92	156.38	593.34	541.54	6.73			10530.00	10383.65				MinPt-SF
1547.88	142.02	1452.87	1405.86	16.45			12710.00	10887.87				MinPt-CtCt
1540.46	151.39	1439.21	1389.07	15.35			13270.00	10885.49				MinPt-CtCt
1542.41	159.73	1435.60	1382.68	14.57			13700.00	10883.67				MinPt-CtCt
1530.81	201.57	1396.10	1329.24	11.44			15480.00	10876.12				MinPt-CtCt
1529.44	216.90	1384.52	1312.54	10.62			16060.00	10873.66				MinPt-CtCt
1529.49	220.13	1382.41	1309.36	10.46			16180.00	10873.15				MinPt-CtCt
1539.28	247.56	1373.91	1291.72	9.36			17200.00	10868.83				MinPt-EOU
1543.93	258.04	1371.58	1285.90	9.00			17570.00	10867.26				MinPt-EOU
1549.67	272.98	1367.36	1276.69	8.54			18060.00	10865.18				MinPt-CtCt
1550.03	273.92	1367.09	1276.11	8.51			18110.00	10864.97				MinPt-EOU
1550.34	274.29	1367.15	1276.05	8.50			18130.00	10864.88				MinPt-ADP
1557.63	287.29	1365.77	1270.34	8.16			18570.00	10863.02				MinPt-EOU
1563.41	296.47	1365.44	1266.95	7.93			18880.00	10861.70				MinPt-EOU
1563.50	300.83	1362.62	1262.67	7.82			19000.00	10861.19				MinPt-CtCt
1565.37	305.12	1361.63	1260.25	7.72			19170.00	10860.47				MinPt-EOU
1567.23	307.34	1362.01	1259.89	7.67			19260.00	10860.09				MinPt-ADP
1567.75	307.87	1362.18	1259.88	7.66			19280.00	10860.01				MinPt-ADP
1567.81	318.04	1355.46	1249.77	7.41			19580.00	10858.73				MinPt-CtCt
1567.94	324.18	1351.49	1243.76	7.27			19780.00	10857.89				MinPt-CtCt
1569.42	331.01	1348.42	1238.41	7.13			20030.00	10856.83				MinPt-EOU
1574.33	345.69	1343.54	1228.63	6.85			20490.00	10854.88				MinPt-CtCt
1575.01	347.76	1342.84	1227.25	6.81			20580.00	10854.49				MinPt-EOU
1579.77	359.62	1339.69	1220.15	6.60			20932.38	10853.00				MinPts

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

84.84	32.81	82.13	52.03	59.07			0.00	0.00				MinPts
84.84	32.81	82.14	52.04	59.07			23.00	23.00				WRP
76.84	32.81	64.28	44.03	6.70			1200.68	1198.39				MinPts
77.11	32.81	64.04	44.30	6.44			1250.00	1247.29				MinPt-EOU
87.99	32.81	72.36	55.18	5.94			1530.00	1524.89				MinPt-SF
1255.48	91.14	1194.39	1164.34	20.87			6050.00	5916.14				MinPt-SF
1388.15	119.15	1308.40	1269.01	17.61			7990.00	7843.94				MinPt-CtCt
1369.60	154.39	1266.35	1215.21	13.38			10510.00	10363.81				MinPt-CtCt
1369.63	154.44	1266.34	1215.19	13.38			10520.00	10373.74				MinPts
1376.61	155.68	1272.49	1220.93	13.34			10700.00	10545.76				MinPt-SF
2158.27	152.30	2056.41	2005.97	21.39			12730.00	10887.78				MinPt-EOU
2158.54	152.62	2056.47	2005.92	21.34			12760.00	10887.65				MinPt-ADP
2158.80	156.63	2054.05	2002.17	20.80			13020.00	10886.55				MinPt-CtCt
2158.15	160.35	2050.93	1997.81	20.30			13260.00	10885.53				MinPt-CtCt
2160.18	165.54	2049.49	1994.64	19.68			13580.00	10884.18				MinPt-EOU
2160.68	166.13	2049.60	1994.55	19.62			13620.00	10884.01				MinPt-ADP
2159.44	170.42	2045.50	1989.02	19.11			13830.00	10883.12				MinPt-CtCt
2159.70	171.24	2045.21	1988.46	19.02			13890.00	10882.86				MinPt-EOU
2148.21	188.91	2021.95	1959.31	17.14			14740.00	10879.26				MinPt-CtCt
2148.33	189.26	2021.83	1959.07	17.11			14770.00	10879.13				MinPt-EOU
2148.43	189.38	2021.85	1959.05	17.10			14780.00	10879.09				MinPt-ADP
2143.48	198.26	2010.98	1945.22	16.29			15150.00	10877.52				MinPt-CtCt
2143.68	198.82	2010.81	1944.86	16.25			15190.00	10877.35				MinPt-EOU
2143.93	199.11	2010.87	1944.83	16.22			15210.00	10877.26				MinPt-ADP
2153.39	206.65	2015.30	1946.74	15.70			15510.00	10875.99				MinPt-EOU
2154.62	208.11	2015.55	1946.51	15.60			15580.00	10875.70				MinPt-ADP
2149.32	217.00	2004.33	1932.32	14.92			15910.00	10874.30				MinPt-CtCt
2149.54	217.59	2004.15	1931.94	14.88			15950.00	10874.13				MinPt-EOU
2151.08	219.41	2004.48	1931.67	14.77			16040.00	10873.75				MinPt-ADP
2159.31	227.45	2007.35	1931.86	14.30			16360.00	10872.39				MinPt-ADP
2167.57	234.98	2010.59	1932.59	13.89			16640.00	10871.20				MinPt-ADP
2159.25	260.78	1985.07	1898.47	12.46			17570.00	10867.26				MinPt-CtCt
2160.04	263.48	1984.06	1896.57	12.34			17690.00	10866.75				MinPt-EOU
2161.13	264.78	1984.28	1896.35	12.28			17750.00	10866.49				MinPt-ADP
2165.22	277.54	1979.87	1887.68	11.74			18190.00	10864.63				MinPt-EOU
2167.46	280.21	1980.33	1887.25	11.64			18300.00	10864.16				MinPt-ADP
2182.03	298.22	1982.88	1883.81	11.01			18920.00	10861.53				MinPt-EOU
2185.79	304.57	1982.42	1881.23	10.80			19140.00	10860.60				MinPt-EOU
2186.82	310.92	1979.22	1875.90	10.58			19330.00	10859.79				MinPt-CtCt
2186.55	317.44	1974.60	1869.11	10.36			19550.00	10858.86				MinPt-CtCt
2187.19	319.42	1973.92	1867.77	10.30			19640.00	10858.48				MinPt-EOU
2189.91	326.13	1972.17	1863.78	10.10			19870.00	10857.50				MinPt-EOU
2191.04	327.51	1972.37	1863.53	10.06			19930.00	10857.25				MinPt-ADP
2198.77	360.24	1958.28	1838.53	9.18			20932.38	10853.00				MinPts

Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass

79.98	32.81	76.70	47.18	39.34			0.00	0.00				Surface
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	12.87			640.00	640.00				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	99.78	32.81	89.02	66.97	10.40		990.00	989.32				MinPt-SF
	1105.42	72.10	1057.03	1033.32	23.29		4690.00	4596.41				MinPt-SF
	1556.61	155.84	1452.39	1400.77	15.07		10460.00	10313.94				MinPts
	1322.16	365.25	1078.33	956.91	5.44		20932.38	10853.00				MinPts
Coterra Tres Equis 5-8 State Com 152H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass												
	99.98	32.81	96.70	67.18	49.34		0.00	0.00				Surface
	99.98	32.81	96.70	67.18	49.34		23.00	23.00				WRP
	99.98	32.81	92.94	67.18	17.15		600.00	600.00				MinPts
	100.19	32.81	92.78	67.38	16.14		640.00	640.00				MinPt-EOU
	128.73	32.81	117.19	95.92	12.43		1070.00	1068.81				MinPt-SF
	2003.17	151.28	1902.00	1851.00	19.98		10370.00	10223.94				MinPt-CtCt
	2003.19	151.35	1901.96	1851.84	19.97		10380.00	10233.94				MinPt-EOU
	2003.23	151.41	1901.96	1851.82	19.97		10390.00	10243.94				MinPt-ADP
	2003.79	151.54	1902.44	1852.25	19.95		10430.00	10283.94				MinPt-SF
	2058.00	149.20	1958.21	1908.81	20.82		11510.00	10892.95				MinPt-CtCt
	2062.40	361.82	1820.86	1700.59	8.57		20932.38	10853.00				MinPts
30-025-46753 - HEMLOCK 32 STATE 202H - MWD to 14813ft - A (DefinitiveSurvey) - Pass												
	1238.27	32.81	1234.87	1205.46	874.04		0.00	0.00				MinPts
	1238.29	32.81	1234.89	1205.48	874.00		23.00	23.00				WRP
	400.76	85.71	343.08	315.05	7.12		4905.85	4805.85				MinPt-CtCt
	401.04	86.49	342.84	314.55	7.06		4950.00	4848.69				MinPt-EOU
	401.35	86.83	342.93	314.52	7.04		4970.00	4868.09				MinPt-ADP
	408.33	89.51	348.11	318.81	6.94		5140.00	5033.05				MinPt-SF
	783.52	129.18	696.87	654.34	9.19		8290.00	8143.94				MinPt-ADP
	791.26	147.33	692.50	643.93	8.13		9580.00	9433.94				MinPt-CtCt
	791.29	147.45	692.46	643.85	8.12		9590.00	9443.94				MinPt-EOU
	791.37	147.56	692.46	643.82	8.12		9600.00	9453.94				MinPt-ADP
	793.63	150.90	692.49	642.73	7.96		9760.00	9613.94				MinPt-CtCt
	793.65	151.03	692.43	642.63	7.95		9770.00	9623.94				MinPt-EOU
	793.74	151.15	692.43	642.59	7.95		9780.00	9633.94				MinPt-ADP
	795.54	151.79	693.81	643.75	7.93		9840.00	9693.94				MinPt-SF
	10666.37	177.50	10547.54	10488.88	90.90		20932.38	10853.00				TD
30-025-44344 - HEMLOCK 32 STATE 702H - MWD to 17526ft - A (DefinitiveSurvey) - Pass												
	1165.74	32.81	1162.34	1132.93	822.76		0.00	0.00				MinPts
	1165.74	32.81	1162.34	1132.93	822.71		23.00	23.00				WRP
	437.17	89.97	376.65	347.20	7.39		5180.00	5071.88				MinPt-CtCt
	437.36	90.86	376.38	346.69	7.34		5220.00	5110.72				MinPt-EOU
	437.62	91.00	376.42	346.62	7.32		5240.00	5130.14				MinPt-ADP
	442.40	92.78	380.01	349.62	7.25		5350.00	5236.94				MinPt-SF
	581.06	141.45	486.22	439.61	6.22		9140.00	8993.94				MinPt-CtCt
	583.02	148.29	483.63	434.73	5.95		9640.00	9493.94				MinPt-EOU
	584.21	149.77	483.83	434.44	5.90		9750.00	9603.94				MinPt-ADP
	596.27	159.35	489.50	436.92	5.65		10446.58	10300.52				MinPt-ADP
	596.78	159.53	489.89	437.25	5.65		10470.00	10323.94				MinPt-SF
	10535.04	179.06	10415.17	10355.99	88.99		20932.38	10853.00				TD
30-025-45523 - HEMLOCK 32 STATE 703H - MWD to 17405ft - A (DefinitiveSurvey) - Pass												
	690.25	32.81	686.86	657.44	486.60		0.00	0.00				MinPts
	690.27	32.81	686.88	657.46	486.48		23.00	23.00				WRP
	710.41	32.81	695.92	677.60	56.63		1290.00	1286.95				MinPt-EOU
	706.64	32.81	687.98	673.83	41.71		1710.00	1703.08				MinPts
	706.91	32.81	687.74	674.10	40.49		1760.00	1752.31				MinPt-EOU
	1007.17	73.81	957.38	933.36	20.93		4670.00	4577.00				MinPt-SF
	1292.71	135.09	1202.11	1157.62	14.51		8940.00	8793.94				MinPt-CtCt
	1293.64	143.80	1197.37	1150.04	13.65		9550.00	9403.94				MinPt-CtCt
	1293.98	144.58	1197.06	1149.41	13.56		9630.00	9483.94				MinPt-EOU
	1294.39	145.06	1197.14	1149.33	13.52		9670.00	9523.94				MinPt-ADP
	1294.99	156.50	1190.12	1138.49	12.53		10470.00	10323.94				MinPt-CtCt
	1295.01	156.58	1190.05	1138.44	12.52		10480.00	10333.92				MinPt-EOU
	1295.08	156.65	1190.10	1138.42	12.51		10490.00	10343.90				MinPt-ADP
	1299.64	157.63	1194.02	1142.01	12.48		10610.00	10461.74				MinPt-SF
	10574.01	185.18	10450.06	10388.83	86.34		20932.38	10853.00				TD
30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A (DefinitiveSurvey) - Pass												
	777.86	32.81	774.47	745.05	548.54		0.00	0.00				Surface
	777.84	32.81	774.45	745.03	548.30		23.00	23.00				WRP
	775.45	32.81	767.57	742.64	131.18		650.22	650.22				MinPts
	776.15	32.81	766.92	743.34	106.88		790.00	789.92				MinPt-EOU
	1171.99	75.52	1121.06	1096.47	23.80		4800.00	4703.14				MinPt-SF
	1425.54	138.99	1332.35	1286.56	15.55		9210.00	9063.94				MinPt-CtCt
	1425.56	139.06	1332.31	1286.50	15.54		9220.00	9073.94				MinPt-EOU
	1425.61	139.13	1332.32	1286.48	15.53		9230.00	9083.94				MinPt-ADP
	1428.96	139.84	1335.20	1289.13	15.49		9350.00	9203.94				MinPt-SF
	1453.19	141.43	1358.37	1311.76	15.67		9610.00	9463.94				MinPt-SF
	10727.46	177.15	10608.86	10550.31	91.60		20932.38	10853.00				TD
30-025-40341 - TRES EQUIS STATE 4 - Gyro+MWD to 15568ft - A (DefinitiveSurvey) - Pass												
	2250.73	32.81	2247.34	2217.92	1589.84		0.00	0.00				Surface
	2250.73	32.81	2247.33	2217.92	1589.83		10.00	10.00				MinPts
	2250.74	32.81	2247.34	2217.93	1589.83		23.00	23.00				WRP
	961.21	94.32	897.79	866.89	15.53		6915.26	6769.21				MinPt-CtCt
	967.29	105.69	896.29	861.60	13.92		8000.00	7853.94				MinPt-EOU
	981.16	122.42	899.01	858.74	12.16		9430.00	9283.94				MinPt-ADP
	987.58	128.76	901.20	858.82	11.63		9950.00	9803.94				MinPt-CtCt
	981.82	135.78	890.76	846.04	10.96		10690.00	10536.69				MinPt-CtCt
	981.83	135.83	890.74	846.00	10.95		10700.00	10545.76				MinPt-EOU
	981.88	135.89	890.75	845.99	10.95		10710.00	10554.76				MinPt-ADP

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	983.65	136.32	892.23	847.33	10.94		10790.00	10623.75				MinPt-SF
	970.05	175.07	852.84	794.98	8.37		12920.00	10886.98				MinPt-CtCt
	975.90	188.08	850.02	787.82	7.83		13310.00	10885.32				MinPt-EOU
	977.42	189.91	850.31	787.51	7.77		13370.00	10885.07				MinPt-ADP
	988.53	229.25	845.19	769.27	6.57		14310.00	10881.08				MinPt-CtCt
	988.64	234.68	841.69	763.97	6.41		14440.00	10880.53				MinPt-CtCt
	988.10	262.59	822.54	735.51	5.73		15080.00	10877.82				MinPt-CtCt
	1001.56	276.30	816.86	725.26	5.46		15400.00	10876.46				MinPts
	1001.71	276.41	816.93	725.30	5.46		15410.00	10876.42				MinPt-SF
	5631.33	172.84	5515.61	5458.49	49.29		20932.38	10853.00				TD
30-025-47138 - HEARTTHROB 17 STATE 202H - IFR1 to 14918ft - A (DefinitiveSurvey) - Pass												
	10956.68	32.81	10953.29	10923.87	7744.97		0.00	0.00				Surface
	10956.55	32.81	10953.16	10923.75	7743.99		23.00	23.00				WRP
	10956.44	32.81	10953.04	10923.64	7691.51		70.00	70.00				MinPts
	10957.14	32.81	10952.85	10924.34	4734.25		310.00	310.00				MinPt-EOU
	10957.65	32.81	10952.80	10924.84	3821.06		390.00	390.00				MinPt-EOU
	10960.07	32.81	10950.88	10927.26	1518.47		810.00	809.89				MinPts
	10313.64	136.41	10222.17	10177.24	114.75		8140.00	7993.94				MinPt-CtCt
	10314.49	138.82	10221.41	10175.67	112.74		8370.00	8223.94				MinPt-EOU
	10315.96	140.56	10221.72	10175.40	111.35		8530.00	8383.94				MinPt-ADP
	10336.21	153.39	10233.41	10182.82	102.14		9570.00	9423.94				MinPt-ADP
	10385.16	159.22	10278.47	10225.94	98.82		10446.58	10300.52				MinPt-SF
	1071.86	232.17	916.58	839.69	6.96		20932.38	10853.00				MinPts
30-025-42505 - EATA FAJITA STATE 11H - Gyro-MWD to 14201ft - A (DefinitiveSurvey) - Pass												
	10146.09	32.81	10142.70	10113.29	7171.93		0.00	0.00				Surface
	10145.95	32.81	10142.56	10113.14	7170.75		23.00	23.00				WRP
	10145.82	32.81	10142.41	10113.01	7099.53		80.00	80.00				MinPts
	10147.32	32.81	10137.01	10114.51	1218.12		940.00	939.55				MinPts
	5206.71	152.85	5104.27	5053.86	51.63		9830.00	9683.94				MinPt-CtCt
	5206.76	152.99	5104.22	5053.76	51.58		9850.00	9703.94				MinPt-EOU
	5206.88	153.14	5104.25	5053.74	51.53		9870.00	9723.94				MinPt-ADP
	5238.18	156.92	5133.02	5081.25	50.58		10400.00	10253.94				MinPt-SF
	1193.37	185.42	1069.26	1007.95	9.72		15987.13	10873.97				MinPt-CtCt
	1193.44	185.67	1069.16	1007.77	9.71		16000.00	10873.92				MinPt-EOU
	1193.59	185.86	1069.19	1007.74	9.70		16010.00	10873.87				MinPt-ADP
	1194.54	186.37	1069.80	1008.17	9.68		16040.00	10873.75				MinPt-SF
	1228.20	188.75	1101.87	1039.45	9.83		16830.00	10870.40				MinPt-SF
	1237.29	190.19	1110.00	1047.11	9.82		17040.00	10869.51				MinPt-SF
	1245.72	191.21	1117.75	1054.52	9.84		17310.00	10868.36				MinPt-CtCt
	1245.94	191.76	1117.60	1054.18	9.81		17360.00	10868.15				MinPt-EOU
	1246.13	191.99	1117.64	1054.14	9.80		17380.00	10868.06				MinPt-ADP
	1255.94	195.29	1125.25	1060.65	9.71		17680.00	10866.79				MinPt-SF
	1256.25	196.27	1124.90	1059.98	9.66		17840.00	10866.11				MinPt-CtCt
	1256.49	196.96	1124.68	1059.53	9.63		17890.00	10865.90				MinPt-EOU
	1256.83	197.37	1124.75	1059.46	9.61		17920.00	10865.77				MinPt-ADP
	1271.79	202.43	1136.33	1069.35	9.48		18280.00	10864.25				MinPt-SF
	1278.04	205.31	1140.67	1072.73	9.40		18550.00	10863.10				MinPt-EOU
	1279.57	207.35	1140.84	1072.22	9.31		18690.00	10862.51				MinPt-EOU
	1280.13	208.01	1140.95	1072.11	9.29		18730.00	10862.34				MinPt-ADP
	1280.50	213.76	1137.49	1066.74	9.04		19110.00	10860.73				MinPt-CtCt
	1280.80	214.59	1137.24	1066.21	9.01		19150.00	10860.56				MinPt-EOU
	1281.13	214.99	1137.31	1066.14	8.99		19170.00	10860.47				MinPt-ADP
	1293.86	219.87	1146.78	1073.99	8.88		19430.00	10859.37				MinPt-SF
	1309.28	227.08	1157.40	1082.20	8.70		19850.00	10857.59				MinPt-ADP
	1313.43	238.30	1154.07	1075.14	8.31		20420.00	10855.17				MinPt-CtCt
	1313.76	239.29	1153.73	1074.46	8.28		20460.00	10855.00				MinPt-EOU
	1314.17	239.80	1153.80	1074.37	8.26		20480.00	10854.92				MinPt-ADP
	1322.87	242.68	1160.59	1080.19	8.22		20610.00	10854.37				MinPt-SF
	1388.95	246.01	1224.45	1142.95	8.51		20932.38	10853.00				TD
30-025-47137 - HEARTTHROB 17 STATE 201H - IFR1 to 14426ft - A (DefinitiveSurvey) - Pass												
	10957.13	32.81	10953.74	10924.33	7745.29		0.00	0.00				Surface
	10957.01	32.81	10953.62	10924.20	7744.34		23.00	23.00				WRP
	10956.90	32.81	10953.50	10924.10	7691.83		70.00	70.00				MinPts
	10956.67	32.81	10951.21	10923.86	3154.13		430.00	430.00				MinPts
	10957.99	32.81	10949.66	10925.18	1725.80		760.00	759.95				MinPt-EOU
	10279.60	137.96	10187.09	10141.64	113.07		8050.00	7903.94				MinPt-CtCt
	10279.77	138.48	10186.91	10141.29	112.65		8120.00	7973.94				MinPt-EOU
	10279.95	138.70	10186.95	10141.25	112.47		8150.00	8003.94				MinPt-ADP
	10282.05	140.42	10187.90	10141.63	111.10		8320.00	8173.94				MinPt-ADP
	10296.24	147.08	10197.64	10149.16	106.16		8930.00	8783.94				MinPt-ADP
	10384.86	159.36	10278.08	10225.50	98.74		10446.58	10300.52				MinPt-SF
	1401.37	237.26	1242.70	1164.11	8.91		20932.38	10853.00				MinPts
30-025-42506 - EATA FAJITA STATE 12H - MWD to 14092ft - A (DefinitiveSurvey) - Pass												
	10139.48	32.81	10136.08	10106.67	7167.25		0.00	0.00				Surface
	10139.33	32.81	10135.94	10106.53	7166.08		23.00	23.00				WRP
	5278.00	176.93	5159.51	5101.07	45.14		9740.00	9593.94				MinPt-CtCt
	5278.04	177.05	5159.46	5100.99	45.11		9760.00	9613.94				MinPt-EOU
	5278.08	177.11	5159.47	5100.97	45.10		9770.00	9623.94				MinPt-ADP
	5319.01	180.27	5198.30	5138.74	44.65		10400.00	10253.94				MinPt-SF
	1542.32	230.01	1388.48	1312.31	10.11		15910.00	10874.30				MinPt-SF
	1539.13	229.39	1385.71	1309.74	10.12		15970.00	10874.04				MinPt-SF
	1529.72	226.71	1378.08	1303.01	10.18		16280.00	10872.73				MinPt-ADP
	1529.50	226.44	1378.04	1303.06	10.19		16310.00	10872.60				MinPt-EOU
	1529.38	226.06	1378.17	1303.31	10.21		16350.00	10872.43				MinPt-CtCt
	1528.61	224.03	1378.76	1304.56	10.29		16540.00	10871.63				MinPt-ADP
	1528.53	223.94	1378.74	1304.59	10.30		16560.00	10871.54				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
1516.85	221.92	1368.40	1294.93		10.31		16920.00	10870.01				MinPt-SF
1505.23	221.68	1356.94	1283.55		10.24		17250.00	10868.61				MinPts
1505.31	221.73	1356.99	1283.58		10.24		17270.00	10868.53				MinPt-SF
1509.26	220.47	1361.78	1288.79		10.33		17780.00	10866.37				MinPts
1509.27	220.48	1361.78	1288.79		10.33		17790.00	10866.32				MinPt-ADP
1509.44	220.53	1361.92	1288.91		10.33		17830.00	10866.16				MinPt-SF
1509.00	220.13	1361.75	1288.87		10.34		17990.00	10865.48				MinPt-SF
1485.98	225.03	1335.46	1260.95		9.96		18810.00	10862.00				MinPt-CtCt
1486.13	225.41	1335.36	1260.72		9.95		18840.00	10861.87				MinPt-EOU
1486.23	225.54	1335.37	1260.70		9.94		18850.00	10861.83				MinPt-ADP
1509.91	231.37	1355.16	1278.54		9.84		19350.00	10859.71				MinPt-SF
1510.62	232.65	1355.02	1277.97		9.79		19500.00	10859.07				MinPt-CtCt
1510.26	233.64	1353.99	1276.61		9.75		19600.00	10858.65				MinPt-SF
1455.30	241.52	1293.79	1213.78		9.09		20229.11	10855.98				MinPt-CtCt
1455.57	242.22	1293.59	1213.35		9.06		20260.00	10855.85				MinPt-EOU
1455.77	242.44	1293.64	1213.33		9.05		20270.00	10855.81				MinPt-ADP
1464.37	245.12	1300.46	1219.25		9.01		20410.00	10855.22				MinPt-SF
1578.97	249.67	1412.02	1329.30		9.53		20932.38	10853.00				TD



Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25 Proposal Geodetic Report

Report Date: October 23, 2025 - 02:54 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 211H
Well: Tres Equis 5-8 State Com 211H
Borehole: Tres Equis 5-8 State Com 211H
UBHI / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25
Survey Date: October 22, 2025
Tort / AHD / DOI / ERD Ratio: 123.063' / 11440.112 ft / 6.432' / 1.050
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'10.96211"N, 103°35'51.78298"W
Location Grid NIE YX: N 456570.150 RUS, E 768743.850 RUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99996832(Applied)
Version / Patch: 2025.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.610° (GRID North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3679.000 ft above MSL
Seabed / Ground Elevation: 3658.000 ft above MSL
Magnetic Declination: 6.057"
Total Gravity Field Strength: 998.4383mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47180.557 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 (°)	Azin (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327FNL, 1588FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749			
Nudge, Build 1.5"/100ft	600.00	0.00	276.00	600.00	-3.079.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
Hold	1,100.00	7.50	276.00	1,098.57	-2.580.43	-3.64	3.42	-32.50	456,573.57	768,711.35	32.25305503	-103.59782254	1.50	1.50	0.00
Build 2"/100ft	1,605.75	7.50	276.00	1,600.00	-2.079.00	-10.98	10.32	-98.15	456,580.47	768,645.70	32.25307523	-103.59803473	0.00	0.00	0.00
Hold	1,930.75	14.00	276.00	1,919.13	-1.759.87	-17.73	16.65	-158.41	456,586.80	768,585.45	32.25309377	-103.59822949	2.00	2.00	0.00
Turn 2"/100ft	5,119.75	14.00	276.00	5,013.40	1.334.40	-103.59	97.29	-925.67	456,667.44	767,818.21	32.25332984	-103.60070940	0.00	0.00	0.00
Hold	5,360.55	14.00	256.00	5,247.18	1.568.18	-99.97	93.29	-982.94	456,663.43	767,760.94	32.25331991	-103.60089473	2.00	0.00	-8.31
Drop 2"/100ft	6,226.38	14.00	256.00	6,087.27	2.408.27	-50.67	42.60	-1,186.24	456,612.75	767,557.65	32.25318440	-103.60155341	0.00	0.00	0.00
Hold	6,926.58	0.00	256.00	6,780.52	3,101.52	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	2.00	-2.00	0.00
KOP, Build 10"/100ft	10,446.58	0.00	256.00	10,300.52	6,621.52	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
Build 5"/100ft	11,196.58	75.00	179.61	10,853.95	7,174.95	394.03	-402.66	-1,265.96	456,167.51	767,477.53	32.25198208	-103.60182109	10.00	10.00	0.00
Landing Point	11,501.44	90.24	179.61	10,892.99	7,213.99	695.47	-704.09	-1,263.90	455,866.08	767,480.00	32.25113352	-103.60182105	5.00	5.00	0.00
Tres Equis 5-8 State Com 211H - BHL [100FSL, 330FWL]	20,932.38	90.24	179.61	10,853.00	7,174.00	10,126.34	-10,134.73	-1,198.90	446,435.76	767,544.99	32.2521140	-103.60181858	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	10,400.000	1/100.000 '5 - 12.25 - 8.75 3.375 - 9.625 - 7				A001Mb_MWD		Tres Equis 5-8 State Com 211H / Coterra Tres Equ
	1	10,400.000	20,932.383	1/100.000	8.75 - 6	7 - 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 211H / 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						
20,932.383		6.000		5.000						



Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25 Proposal Geodetic

Report
Def Plan

Report Date: October 23, 2025 - 02:55 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 211H
Borehole: Tres Equis 5-8 State Com 211H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25
Survey Date: October 23, 2025
Tort / AHD / DDI / ERD Ratio: 123.063' / 11440.112 ft / 6.432' / 1.050
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'10.9621"N, -103°35'51.76298"W
Location Grid N/E Y/X: N 456570.150 RUS, E 768743.850 RUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99996832(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: 47180.557 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)	VSECC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327°FNL, 1598°FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749			
	100.00	0.00	276.00	100.00	-3.579.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	200.00	0.00	276.00	200.00	-3.479.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	300.00	0.00	276.00	300.00	-3.379.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	400.00	0.00	276.00	400.00	-3.279.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	500.00	0.00	276.00	500.00	-3.179.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	600.00	0.00	276.00	600.00	-3.079.00	0.00	0.00	0.00	456,570.15	768,743.85	32.25304503	-103.59771749	0.00	0.00	0.00
	700.00	1.50	276.00	699.99	-2.979.01	-0.15	0.14	-1.30	456,570.29	768,742.55	32.25304543	-103.59772170	1.50	1.50	0.00
	800.00	3.00	276.00	799.91	-2.879.09	-0.58	0.55	-5.21	456,570.70	768,738.64	32.25304663	-103.59773432	1.50	1.50	0.00
	900.00	4.50	276.00	899.69	-2.779.31	-1.31	1.23	-11.71	456,571.38	768,732.14	32.25304863	-103.59775534	1.50	1.50	0.00
Nudge, Build 1.5"/100ft	1,000.00	6.00	276.00	999.27	-2.679.73	-2.33	2.19	-20.81	456,572.34	768,723.04	32.25305143	-103.59778475	1.50	1.50	0.00
	1,100.00	7.50	276.00	1,098.57	-2.580.43	-3.64	3.42	-32.50	456,573.57	768,711.35	32.25305503	-103.59782254	1.50	1.50	0.00
	1,200.00	7.50	276.00	1,197.72	-2.481.28	-5.09	4.78	-45.48	456,574.93	768,696.37	32.25305903	-103.59786449	0.00	0.00	0.00
	1,249.71	7.50	276.00	1,247.00	-2.432.00	-5.81	5.41	-51.93	456,575.61	768,691.92	32.25306101	-103.59788535	0.00	0.00	0.00
	1,300.00	7.50	276.00	1,296.86	-2.382.14	-6.54	6.14	-58.46	456,576.29	768,685.39	32.25306302	-103.59790645	0.00	0.00	0.00
	1,355.61	7.50	276.00	1,352.00	-2.327.00	-7.35	6.90	-65.68	456,577.05	768,678.17	32.25306524	-103.59792978	0.00	0.00	0.00
	1,400.00	7.50	276.00	1,396.01	-2.282.99	-8.00	7.51	-71.44	456,577.66	768,672.41	32.25306701	-103.59794841	0.00	0.00	0.00
	1,500.00	7.50	276.00	1,495.15	-2.183.85	-9.45	8.87	-84.42	456,579.02	768,659.43	32.25307101	-103.59799036	0.00	0.00	0.00
	1,500.86	7.50	276.00	1,496.00	-2.183.00	-9.46	8.88	-84.53	456,579.03	768,659.32	32.25307104	-103.59799072	0.00	0.00	0.00
	1,600.00	7.50	276.00	1,594.30	-2.084.70	-10.90	10.24	-97.40	456,580.39	768,646.45	32.25307500	-103.59803232	0.00	0.00	0.00
Build 2"/100ft	1,605.75	7.50	276.00	1,600.00	-2.079.00	-10.98	10.32	-98.15	456,580.47	768,645.70	32.25307523	-103.59803473	0.00	0.00	0.00
	1,700.00	9.38	276.00	1,693.22	-1.985.78	-12.52	11.76	-111.91	456,581.91	768,631.94	32.25307947	-103.59807921	2.00	2.00	0.00
	1,771.90	10.82	276.00	1,764.00	-1.915.00	-13.93	13.08	-124.46	456,583.23	768,619.40	32.25308333	-103.59811975	2.00	2.00	0.00
	1,800.00	11.38	276.00	1,791.58	-1.887.42	-14.53	13.65	-129.84	456,583.80	768,614.02	32.25308498	-103.59813715	2.00	2.00	0.00
	1,900.00	13.38	276.00	1,889.25	-1.789.75	-16.92	15.89	-151.17	456,586.04	768,598.04	32.25309155	-103.59820609	2.00	2.00	0.00
	1,930.75	14.00	276.00	1,919.13	-1.759.87	-17.73	16.65	-158.41	456,586.80	768,585.45	32.25309377	-103.59822949	2.00	2.00	0.00
	2,000.00	14.00	276.00	1,986.31	-1.692.69	-19.59	18.40	-175.07	456,588.55	768,568.79	32.25309890	-103.59828334	0.00	0.00	0.00
	2,100.00	14.00	276.00	2,083.34	-1.595.66	-22.28	20.93	-199.13	456,591.08	768,544.73	32.25310630	-103.59836110	0.00	0.00	0.00
	2,200.00	14.00	276.00	2,180.37	-1.498.63	-24.98	23.46	-223.19	456,593.61	768,520.67	32.25311371	-103.59843887	0.00	0.00	0.00
	2,300.00	14.00	276.00	2,277.40	-1.401.60	-27.67	25.99	-247.25	456,596.14	768,496.61	32.25312111	-103.59851663	0.00	0.00	0.00
Top Salt□	2,400.00	14.00	276.00	2,374.43	-1.304.57	-30.36	28.52	-271.31	456,598.66	768,472.55	32.25312851	-103.59859440	0.00	0.00	0.00
	2,500.00	14.00	276.00	2,471.46	-1.207.54	-33.05	31.04	-295.37	456,601.19	768,448.49	32.25313592	-103.59867261	0.00	0.00	0.00
	2,600.00	14.00	276.00	2,568.49	-1.110.51	-35.75	33.57	-319.43	456,603.72	768,424.43	32.25314332	-103.59874892	0.00	0.00	0.00
	2,700.00	14.00	276.00	2,665.52	-1.013.48	-38.44	36.10	-343.49	456,606.25	768,400.38	32.25315072	-103.59882769	0.00	0.00	0.00
	2,800.00	14.00	276.00	2,762.55	-916.45	-41.13	38.63	-367.55	456,608.78	768,376.32	32.25315813	-103.59890545	0.00	0.00	0.00
	2,900.00	14.00	276.00	2,859.58	-819.42	-43.82	41.16	-391.60	456,611.31	768,352.26	32.25316553	-103.59898322	0.00	0.00	0.00
	3,000.00	14.00	276.00	2,956.61	-722.39	-46.52	43.69	-415.66	456,613.84	768,328.20	32.25317293	-103.59906098	0.00	0.00	0.00
	3,100.00	14.00	276.00	3,053.64	-625.36	-49.21	46.22	-439.72	456,616.37	768,304.14	32.25318033	-103.59913875	0.00	0.00	0.00
	3,200.00	14.00	276.00	3,150.67	-528.33	-51.90	48.75	-463.78	456,618.89	768,280.08	32.25318774	-103.59921651	0.00	0.00	0.00
	3,300.00	14.00	276.00	3,247.70	-431.30	-54.59	51.27	-487.84	456,621.42	768,256.02	32.25319514	-103.59929428	0.00	0.00	0.00
Hold	3,400.00	14.00	276.00	3,344.73	-334.27	-57.29	53.80	-511.90	456,623.95	768,231.96	32.25320254	-103.59937204	0.00	0.00	0.00
	3,500.00	14.00	276.00	3,441.76	-237.24	-59.98	56.33	-535.96	456,626.48	768,207.91	32.25320995	-103.59944980	0.00	0.00	0.00
	3,600.00	14.00	276.00	3,538.79	-140.21	-62.67	58.86	-560.02	456,629.01	768,183.85	32.25321735	-103.59952757	0.00	0.00	0.00
	3,700.00	14.00	276.00	3,635.82	-43.18	-65.36	61.39	-584.08	456,631.54	768,159.79	32.25322475	-103.59960533	0.00	0.00	0.00
	3,800.00	14.00	276.00	3,732.85	53.85	-68.06	63.92	-608.14	456,634.07	768,135.73	32.25323215	-103.59968310	0.00	0.00	0.00
	3,900.00	14.00	276.00	3,829.88	150.88	-70.75	66.45	-632.20	456,636.59	768,111.67	32.25323956	-103.59976086	0.00	0.00	0.00
	4,000.00	14.00	276.00	3,926.91	247.91	-73.44	68.98	-656.26	456,639.12	768,087.61	32.25324696	-103.59983863	0.00	0.00	0.00
	4,100.00	14.00	276.00	4,023.94	344.94	-76.13	71.50	-680.32	456,641.65	768,063.55	32.25325436	-103.59991639	0.00	0.00	0.00
	4,200.00	14.00	276.00	4,120.97	441.97	-78.83	74.03	-704.38	456,644.18	768,039.49	32.25326176	-103.59999416	0.00	0.00	0.00
	4,300.00	14.00	276.00	4,217.99	538.99	-81.52	76.56	-728.44	456,646.71	768,015.43	32.25326916	-103.60007192	0.00	0.00	0.00
Turn 2"/100ft	4,400.00	14.00	276.00	4,315.02	636.02	-84.21	79.09	-752.50	456,649.24	767,991.38	32.25327657	-103.60014969	0.00	0.00	0.00
	4,500.00	14.00	276.00	4,412.05	733.05	-86.90	81.62	-776.56	456,651.77	767,967.32	32.25328397	-103.60022745	0.00	0.00	0.00
	4,600.00	14.00	276.00	4,509.08	830.08	-89.60	84.15	-800.62	456,654.30	767,943.26	32.25329137	-103.60030521	0.00	0.00	0.00
	4,700.00	14.00	276.00	4,606.11	927.11	-92.29	86.68	-824.68	456,656.82	767,919.20	32.25329877	-103.60038298	0.00	0.00	0.00
	4,800.00	14.00	276.00	4,703.14	1,024.14	-94.98	89.21	-848.74	456,659.35	767,895.14	32.25330617	-103.60046074	0.00	0.00	0.00
	4,900.00	14.00	276.00	4,800.17	1,121.17	-97.67	91.73	-872.80	456,661.88	767,871.08	32.25331358	-103.60053851	0.00	0.00	0.00
	5,000.00	14.00	276.00	4,897.20	1,218.20	-100.37	94.26	-896.86	456,664.41	767,847.02	32.25332098	-103.60061627	0.00	0.00	0.00
	5,100.00	14.00	276.00	4,994.23	1,315.23	-103.06	96.79	-920.92	456,666.94	767,822.96	32.25332838	-103.60069404	0.00	0.00	0.00
	5,119.75	14.00	276.00	5,013.40	1,334.40	-103.69	97.29	-925.67	456,667.44	767,818.22	32.25332984	-103.60070940	0.00	0.00	0.00
	5,193.52	13.85	276.00	5,095.00	1,406.00	-104.63	98.21	-943.36	456,668.36	767,800.52	32.25333270	-103.60076659	0.00	0.00	-0.23
Bed Canyon□	5,200.00	13.85	269.99	5,091.30	1,412.30	-104.63	98.21	-943.36	456,668.36	767,798.49	32.25333270	-103.60076659	0.00	0.00	-0.23
	5,245.00	13.85	269.99	5,135.00	1,456.00	-104.63									

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Bone Spring Lime	8,900.00	0.00	256.00	8,753.94	5,074.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,000.00	0.00	256.00	8,853.94	5,174.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,100.00	0.00	256.00	8,953.94	5,274.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,164.06	0.00	256.00	9,018.00	5,339.00	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,200.00	0.00	256.00	9,053.94	5,374.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
Leonard	9,300.00	0.00	256.00	9,153.94	5,474.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,354.06	0.00	256.00	9,208.00	5,529.00	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,400.00	0.00	256.00	9,253.94	5,574.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
Avalon	9,500.00	0.00	256.00	9,353.94	5,674.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,571.06	0.00	256.00	9,425.00	5,746.00	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,600.00	0.00	256.00	9,453.94	5,774.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,700.00	0.00	256.00	9,553.94	5,874.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	9,800.00	0.00	256.00	9,653.94	5,974.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
1st BS SS	9,900.00	0.00	256.00	9,753.94	6,074.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,000.00	0.00	256.00	9,853.94	6,174.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,100.00	0.00	256.00	9,953.94	6,274.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,200.00	0.00	256.00	10,053.94	6,374.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,261.06	0.00	256.00	10,115.00	6,436.00	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
KOP, Build 10°/100ft	10,300.00	0.00	256.00	10,153.94	6,474.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,400.00	0.00	256.00	10,253.94	6,574.94	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,468.58	0.00	256.00	10,300.52	6,620.52	-30.64	22.00	-1,268.85	456,592.15	767,475.04	32.25312933	-103.60182108	0.00	0.00	0.00
	10,500.00	5.34	179.61	10,353.87	6,674.87	-28.15	19.51	-1,268.86	456,589.66	767,475.06	32.25312249	-103.60182108	10.00	10.00	0.00
	10,600.00	15.34	179.61	10,452.12	6,773.12	-10.22	1.58	-1,268.71	456,571.73	767,475.18	32.25307320	-103.60182108	10.00	10.00	0.00
2nd BS SS	10,700.00	25.34	179.61	10,545.76	6,866.76	24.50	-33.14	-1,268.48	456,537.01	767,475.42	32.25297777	-103.60182108	10.00	10.00	0.00
	10,800.00	35.34	179.61	10,631.95	6,952.95	74.95	-83.59	-1,268.13	456,486.56	767,475.76	32.25283910	-103.60182108	10.00	10.00	0.00
	10,900.00	45.34	179.61	10,708.08	7,028.08	139.61	-148.24	-1,267.69	456,421.92	767,476.20	32.25266139	-103.60182108	10.00	10.00	0.00
	10,996.82	55.02	179.61	10,770.00	7,091.00	213.89	-222.52	-1,267.19	456,347.64	767,476.70	32.25245722	-103.60182108	10.00	10.00	0.00
	11,000.00	55.34	179.61	10,771.82	7,092.82	215.50	-225.13	-1,267.17	456,347.64	767,476.72	32.25245005	-103.60182108	10.00	10.00	0.00
Build 5°/100ft	11,100.00	65.34	179.61	10,821.23	7,142.23	303.29	-311.92	-1,266.28	456,252.55	767,477.33	32.25221159	-103.60182108	10.00	10.00	0.00
	11,196.58	75.00	179.61	10,853.95	7,174.95	394.03	-402.66	-1,265.96	456,167.51	767,477.93	32.25196208	-103.60182109	10.00	10.00	0.00
	11,200.00	75.17	179.61	10,854.84	7,175.84	397.34	-405.96	-1,265.94	456,164.20	767,477.95	32.25195298	-103.60182109	5.00	5.00	0.00
	11,300.00	80.17	179.61	10,876.18	7,197.18	495.00	-503.62	-1,265.27	456,066.54	767,478.62	32.25168544	-103.60182108	5.00	5.00	0.00
	11,400.00	85.17	179.61	10,888.93	7,209.93	594.15	-602.77	-1,264.59	455,967.40	767,479.30	32.25141201	-103.60182107	5.00	5.00	0.00
Landing Point	11,500.00	90.17	179.61	10,893.00	7,214.00	695.47	-702.66	-1,263.91	455,867.52	767,479.99	32.25113746	-103.60182105	5.00	5.00	0.00
	11,501.44	90.24	179.61	10,892.99	7,213.99	694.04	-701.90	-1,263.85	455,866.00	767,480.00	32.25113352	-103.60182105	5.00	5.00	0.00
	11,600.00	90.24	179.61	10,892.57	7,213.57	794.04	-802.65	-1,263.22	455,767.52	767,480.67	32.25088262	-103.60182103	0.00	0.00	0.00
	11,700.00	90.24	179.61	10,892.15	7,213.15	894.04	-902.65	-1,262.53	455,667.53	767,481.36	32.25058774	-103.60182100	0.00	0.00	0.00
	11,800.00	90.24	179.61	10,891.72	7,212.72	994.04	-1,002.65	-1,261.84	455,567.54	767,482.05	32.25031287	-103.60182097	0.00	0.00	0.00
2nd BS SS	11,900.00	90.24	179.61	10,891.30	7,212.30	1,094.03	-1,102.64	-1,261.15	455,467.54	767,482.74	32.25003801	-103.60182095	0.00	0.00	0.00
	12,000.00	90.24	179.61	10,890.88	7,211.88	1,194.03	-1,202.64	-1,260.46	455,367.55	767,483.43	32.24976315	-103.60182092	0.00	0.00	0.00
	12,100.00	90.24	179.61	10,890.45	7,211.45	1,294.03	-1,302.64	-1,259.77	455,267.56	767,484.12	32.24948829	-103.60182090	0.00	0.00	0.00
	12,200.00	90.24	179.61	10,890.03	7,211.03	1,394.03	-1,402.63	-1,259.08	455,167.56	767,484.81	32.24921343	-103.60182087	0.00	0.00	0.00
	12,300.00	90.24	179.61	10,889.60	7,210.60	1,494.03	-1,502.63	-1,258.39	455,067.57	767,485.50	32.24893857	-103.60182085	0.00	0.00	0.00
Landing Point	12,400.00	90.24	179.61	10,889.18	7,210.18	1,594.03	-1,602.63	-1,257.70	454,967.58	767,486.19	32.24866371	-103.60182082	0.00	0.00	0.00
	12,500.00	90.24	179.61	10,888.76	7,209.76	1,694.03	-1,702.62	-1,257.02	454,867.58	767,486.88	32.24838884	-103.60182080	0.00	0.00	0.00
	12,600.00	90.24	179.61	10,888.33	7,209.33	1,794.03	-1,802.62	-1,256.33	454,767.59	767,487.57	32.24811398	-103.60182077	0.00	0.00	0.00
	12,700.00	90.24	179.61	10,887.91	7,208.91	1,894.03	-1,902.62	-1,255.64	454,667.60	767,488.26	32.24783912	-103.60182074	0.00	0.00	0.00
	12,800.00	90.24	179.61	10,887.48	7,208.48	1,994.03	-2,002.61	-1,254.95	454,567.61	767,488.94	32.24756426	-103.60182072	0.00	0.00	0.00
Landing Point	12,900.00	90.24	179.61	10,887.06	7,208.06	2,094.03	-2,102.61	-1,254.26	454,467.61	767,489.63	32.24728940	-103.60182069	0.00	0.00	0.00
	13,000.00	90.24	179.61	10,886.64	7,207.64	2,194.03	-2,202.61	-1,253.57	454,367.62	767,490.32	32.24701454	-103.60182067	0.00	0.00	0.00
	13,100.00	90.24	179.61	10,886.21	7,207.21	2,294.02	-2,302.60	-1,252.88	454,267.62	767,491.01	32.24673967	-103.60182064	0.00	0.00	0.00
	13,200.00	90.24	179.61	10,885.79	7,206.79	2,394.02	-2,402.60	-1,252.19	454,167.63	767,491.70	32.24646481	-103.60182062	0.00	0.00	0.00
	13,300.00	90.24	179.61	10,885.36	7,206.36	2,494.02	-2,502.60	-1,251.50	454,067.64	767,492.39	32.24618995	-103.60182059	0.00	0.00	0.00
Landing Point	13,400.00	90.24	179.61	10,884.94	7,205.94	2,594.02	-2,602.60	-1,250.81	453,967.64	767,493.08	32.24591509	-103.60182056	0.00	0.00	0.00
	13,500.00	90.24	179.61	10,884.52	7,205.52	2,694.02	-2,702.59	-1,250.12	453,867.65	767,493.77	32.24564022	-103.60182054	0.00	0.00	0.00
	13,600.00	90.24	179.61	10,884.09	7,205.09	2,794.02	-2,802.59	-1,249.43	453,767.66	767,494.46	32.24536536	-103.60182051	0.00	0.00	0.00
	13,700.00	90.24	179.61	10,883.67	7,204.67	2,894.02	-2,902.58	-1,248.74	453,667.66	767,495.15	32.24509050	-103.60182049	0.00	0.00	0.00
	13,800.00	90.24	179.61	10,883.24	7,204.24	2,994.02	-3,002.58	-1,248.06	453,567.67	767,495.84	32.24481564	-103.60182046	0.00	0.00	0.00
Landing Point	13,900.00	90.24	179.61	10,882.82	7,203.82	3,094.02	-3,102.58	-1,247.37	453,467.68	767,496.53	32.24454078	-103.60182044	0.00	0.00	0.00
	14,000.00	90.24	179.61	10,882.40	7,203.40	3,194.02	-3,202.58	-1,246.68	453,367.68	767,497.21	32.24426591	-103.60182041	0.00	0.00	0.00

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 211H	20,932.38	90.24	179.61	10,853.00	7,174.00	10,126.34	-10,134.73	-1,198.90	446,435.76	767,544.99	32.22521140	-103.60181858	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	10,400.000	1/100.000	5 – 12.25	8.75	3.375 – 9.625	7	A001Mb_MWD	Tres Equis 5-8 State Com 211H / Coterra Tres Equ
	1	10,400.000	20,932.383	1/100.000	8.75	6	7 – 5	A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 211H / 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	
20,932.383	6.000	5.000	

1. Geological Formations

TVD of target 10853

Pilot Hole TD N/A

MD at TD 20932

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	10115	Hydrocarbons	
2nd Bone Spring Sand	10770	Hydrocarbons	
2nd Bone Spring Sand - Target	10983	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	10447	10447	5-1/2"	20.00	P-110	BT&C	2.27	2.53	2.95
8 3/4	10447	20932	10853	5-1/2"	20.00	P-110	BT&C	2.19	2.43	78.94
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 211H

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

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	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	

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 20932'	OBM	8.50 - 9.00	50-70	N/C

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

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

6. Logging and Testing Procedures

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

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

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	5079 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 211H	NENW Sec 5 T24S, R33E	327FNL/ 1598FWL	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 211H		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.

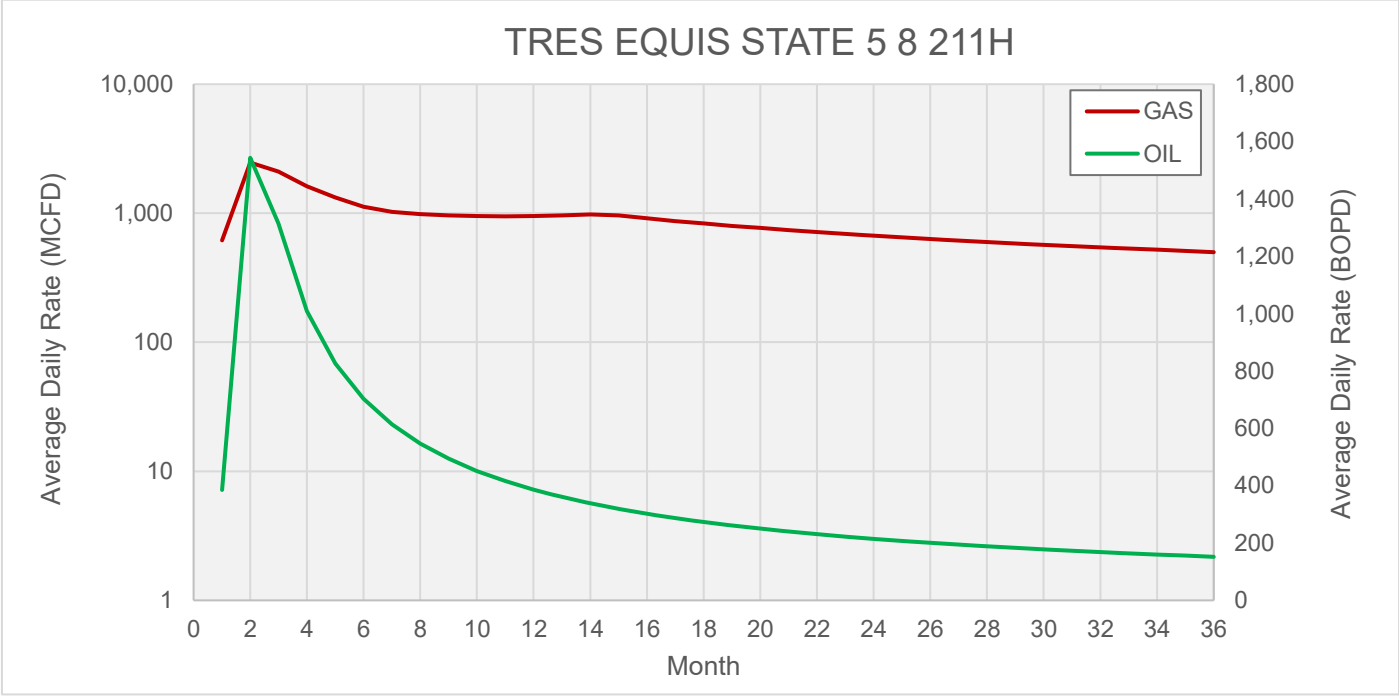
Signature:	<i>Shelly Bowen</i>
Printed Name:	Shelly Bowen
Title:	Sr. Regulatory Analyst
E-mail Address:	shelly.bowen@coterra.com
Date:	10/7/25
Phone:	432/620-1644
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

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 211H	TRES EQUIS STATE 5 8 211H
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 211H
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 1598 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597717°	County LEA
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Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
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Dedicated Acres 319.82	Infill or Defining Well Infill	Defining Well API 30-025-53706	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 351H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.253677°	Longitude (NAD 83) -103.601817°	County LEA
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First Take Point (FTP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.253677°	Longitude (NAD 83) -103.601817°	County LEA
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Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	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> <i>Shelly Bowen</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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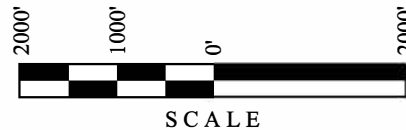
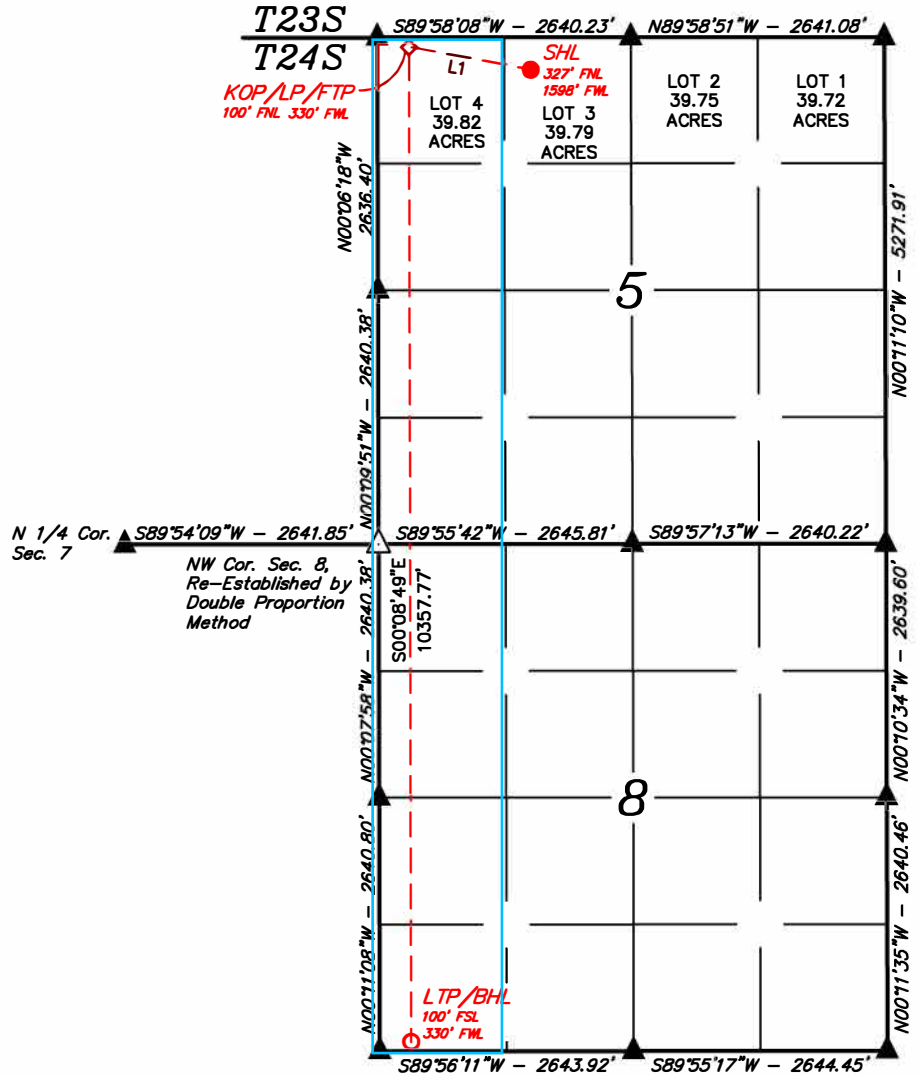
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 211H	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	N79°51'50"W	1288.19'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.96" (32.253045°)
LONGITUDE = -103°35'51.78" (-103.597717°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.52" (32.252921°)
LONGITUDE = -103°35'50.05" (-103.597237°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456570.15' E: 768743.85'
STATE PLANE NAD 27 (N.M. EAST)
N: 456511.06' E: 727560.08'

NAD 83 (KOP/LP/FTP)
LATITUDE = 32°15'13.24" (32.253677°)
LONGITUDE = -103°36'06.54" (-103.601817°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°15'12.79" (32.253554°)
LONGITUDE = -103°36'04.81" (-103.601336°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456791.50' E: 767475.04'
STATE PLANE NAD 27 (N.M. EAST)
N: 456732.41' E: 726291.28'

NAD 83 (LTP/BHL)
LATITUDE = 32°13'30.76" (32.225211°)
LONGITUDE = -103°36'06.55" (-103.601819°)
NAD 27 (LTP/BHL)
LATITUDE = 32°13'30.32" (32.225088°)
LONGITUDE = -103°36'04.82" (-103.601340°)
STATE PLANE NAD 83 (N.M. EAST)
N: 446435.76' E: 767544.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 446376.93' E: 726360.78'