

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

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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 399513

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 30-025-55406
5. Property Name TRES EQUIS 5 8 STATE COM		6. Well No. 302H

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	1658	W	Lea

8. Proposed Bottom Hole Location

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

9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3656
16. Multiple N	17. Proposed Depth 21740	18. Formation 3rd 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	21740	3756	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 30-025-55406	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code 336378	Property Name TRES EQUIS 5 8 STATE COM	Well Number 302H
OGRID No. 215099	Operator Name COTERRA ENERGY OPERATING CO.	Ground Level Elevation 3656.1'
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 1658 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597523°	County LEA
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Bottom Hole Location

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Dedicated Acres 319.82	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 C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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First Take Point (FTP)

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

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.1
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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> Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address 10/7/2025	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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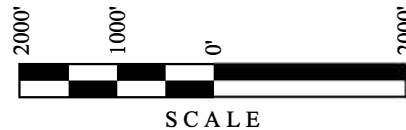
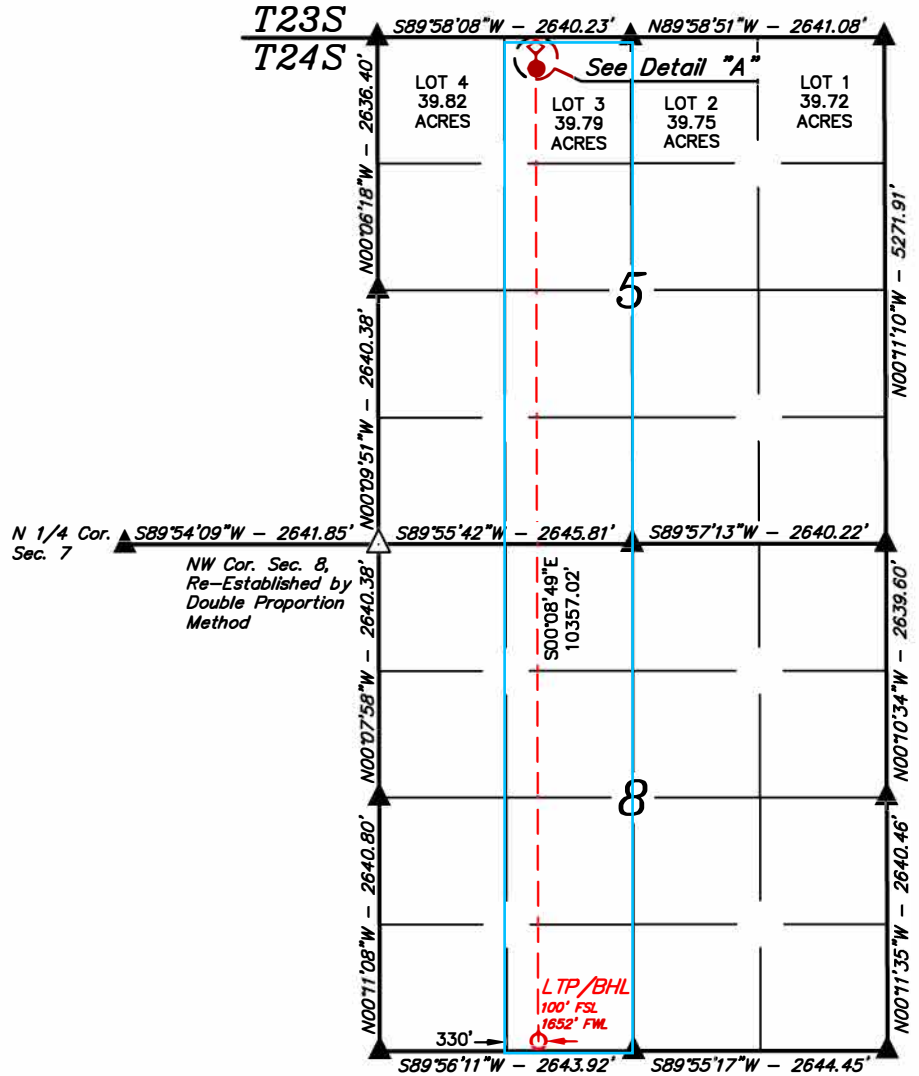
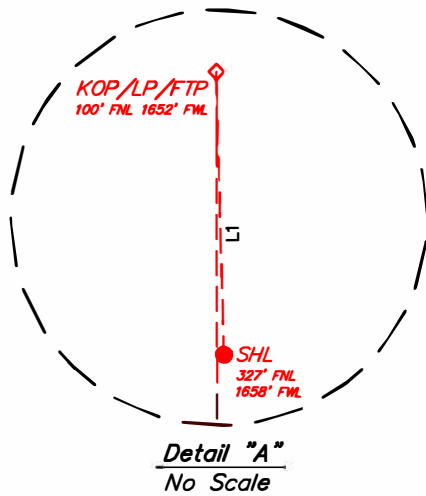
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 302H	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	N01°32'01"W	227.47'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.96" (32.253045°)	
LONGITUDE = -103°35'51.08" (-103.597523°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.52" (32.252921°)	
LONGITUDE = -103°35'49.35" (-103.597043°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456570.44' E: 768803.84'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456511.35' E: 727620.07'	

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

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

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

Form APD Conditions

Permit 399513

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55406
	Well: TRES EQUIS 5 8 STATE COM #302H

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

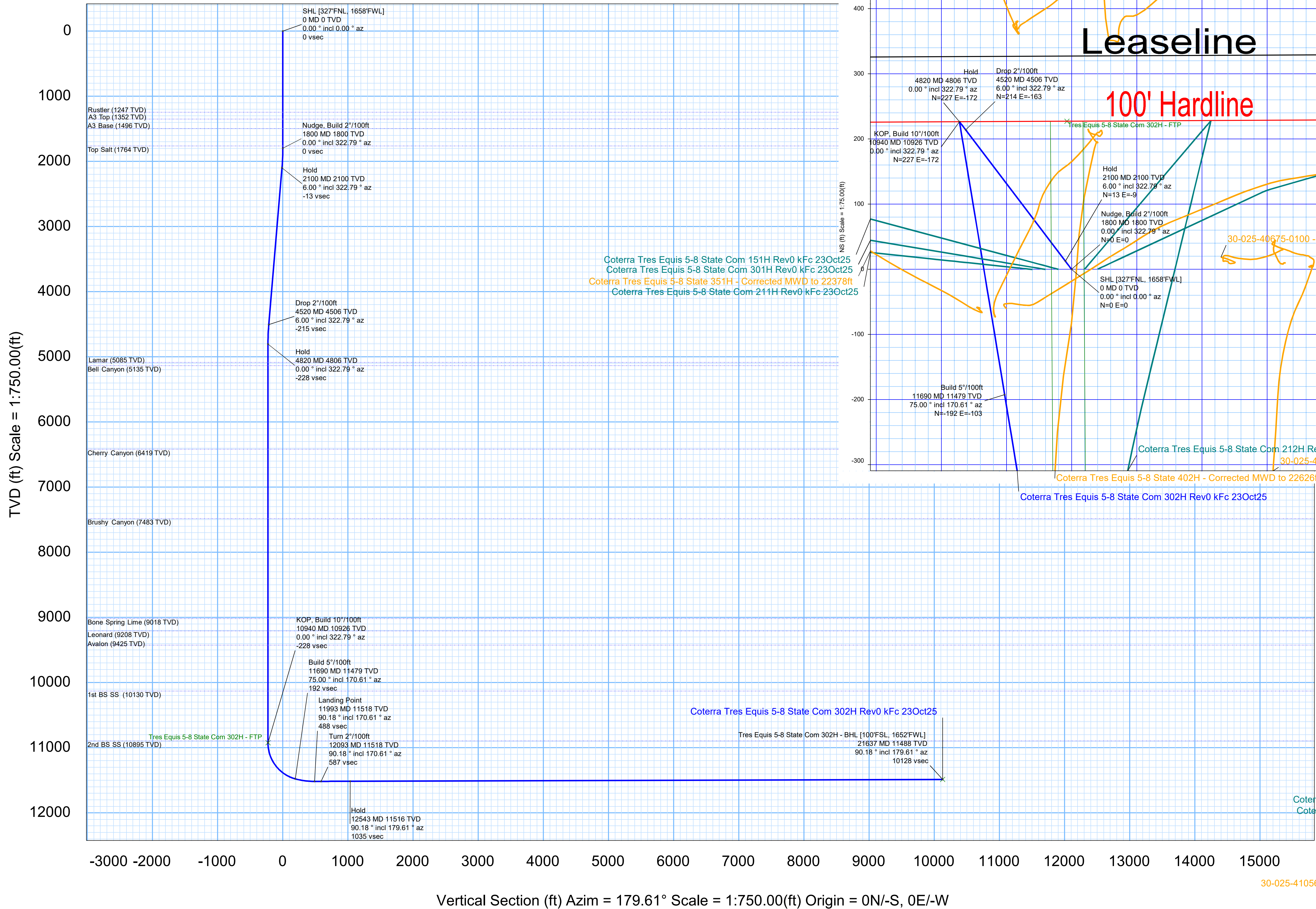
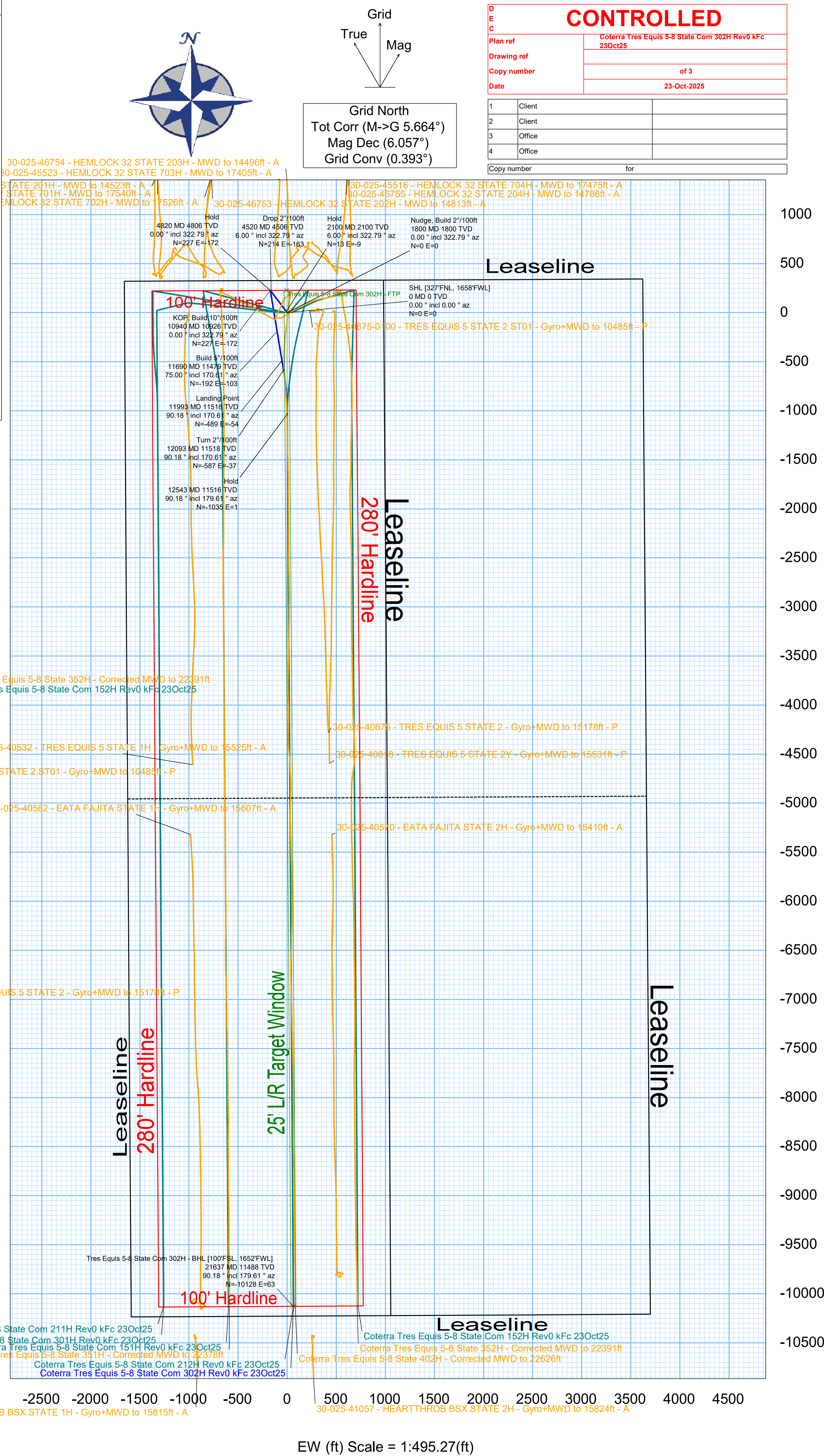
Rev0



Borehole:	Well:	Field:	Structure:
Tres Equis 5-8 State Com 302H	Tres Equis 5-8 State Com 302H	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:	456570.44ftUS	Grid Conv:	0.3927°	Slot:	Tres Equis 5-8 State	TVD Ref:	RKB (3679.100 ft above MSL)
MagDec:	6.057°	FS:	47180.506nT	Gravity FS:	998.438mgn (9.80665 Based)	Lon:	W 103 35 51.08	Easting:	768803.84ftUS	Scale Fact:	0.99996835	Plan:	Com 302H		Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)/S(-)	E(+)/W(-)	DLS
SHL [327°FNL, 1658°FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rustler	1247.00	0.00	322.79	1247.00	0.00	0.00	0.00	0.00
A3 Top	1352.00	0.00	322.79	1352.00	0.00	0.00	0.00	0.00
A3 Base	1496.00	0.00	322.79	1496.00	0.00	0.00	0.00	0.00
Top Salt	1764.00	0.00	322.79	1764.00	0.00	0.00	0.00	0.00
Nudge, Build 2°/100ft	1800.00	0.00	322.79	1800.00	0.00	0.00	0.00	0.00
Hold	2100.09	6.00	322.79	2099.54	-12.57	12.51	-9.50	2.00
Drop 2°/100ft	4519.79	6.00	322.79	4505.98	-215.10	213.99	-162.50	0.00
Hold	4819.88	0.00	322.79	4805.52	-227.67	226.50	-172.00	2.00
Lamar	5099.36	0.00	322.79	5085.00	-227.67	226.50	-172.00	0.00
Bell Canyon	5149.36	0.00	322.79	5135.00	-227.67	226.50	-172.00	0.00
Cherry Canyon	6433.36	0.00	322.79	6419.00	-227.67	226.50	-172.00	0.00
Brushy Canyon	7497.36	0.00	322.79	7483.00	-227.67	226.50	-172.00	0.00
Bone Spring Lime	9032.36	0.00	322.79	9018.00	-227.67	226.50	-172.00	0.00
Leonard	9222.36	0.00	322.79	9208.00	-227.67	226.50	-172.00	0.00
Avalon	9439.36	0.00	322.79	9425.00	-227.67	226.50	-172.00	0.00
1st BS SS	10144.36	0.00	322.79	10130.00	-227.67	226.50	-172.00	0.00
2nd BS SS	10909.36	0.00	322.79	10895.00	-227.67	226.50	-172.00	0.00
KOP, Build 10°/100ft	10939.88	0.00	322.79	10925.52	-227.67	226.50	-172.00	0.00
3rd BS Carb	11322.08	38.22	170.61	11280.00	-106.36	105.33	-151.96	10.00
Build 5°/100ft	11689.88	75.00	170.61	11478.95	191.77	-192.48	-102.71	10.00
Landing Point	11993.48	90.18	170.61	11518.00	488.26	-488.64	-53.74	5.00
Turn 2°/100ft	12093.48	90.18	170.61	11517.68	587.03	-587.30	-37.42	0.00
Hold	12543.44	90.18	179.61	11516.27	1035.14	-1035.16	0.90	2.00
Tres Equis 5-8 State Com 302H - BHL [100°FSL, 1652°FWL]	21636.56	90.18	179.61	11488.00	10128.21	-10128.02	62.91	0.00





Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2025 - 03:03 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 302H
Well: Tres Equis 5-8 State Com 302H
Borehole: Tres Equis 5-8 State Com 302H
Scan MD Range: 0.00ft ~ 21636.56ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Tres Equis 5-8 State Com 302H 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 302H-COTERRA

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

Offset Trajectories Summary

Offset Selection Criteria

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

24 out of 36 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 212H Rev0 kFc 23Oct25 (DefinitivePlan) - Fail Minor

19.99	16.39	16.70	3.60	9.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
19.99	16.39	16.70	3.60	9.35	CtCt 15.00m	23.00	23.00		WRP
19.99	20.00	6.23	0.00	1.50	OSF 1.50	1290.00	1290.00	OSF>1.50	Exit Minor
19.99	20.14	6.24	-0.15	1.49	OSF 1.50	1320.00	1320.00	OSF<=1.50	Enter Minor
19.99	27.29	1.47	-7.30	1.08	OSF 1.50	1800.00	1800.00		MinPt-CtCt
20.08	27.59	1.36	-7.51	1.08	OSF 1.50	1820.00	1820.00		MinPts
20.19	27.73	1.37	-7.55	1.08	OSF 1.50	1830.00	1830.00		MinPt-ADP
29.59	30.36	9.02	-0.77	1.46	OSF 1.50	2010.00	2009.81	OSF>1.50	Exit Minor
137.25	41.99	108.93	95.26	4.98	OSF 5.00	2790.00	2785.67	OSF>5.00	Exit Alert
385.99	116.49	308.01	269.51	5.00	OSF 5.00	7720.00	7705.64	OSF<=5.00	Enter Alert
374.76	157.74	269.28	217.03	3.58	OSF 5.00	10650.00	10635.64		MinPts
374.85	157.81	269.31	217.04	3.58	OSF 5.00	10660.00	10645.64		MinPt-SF
474.70	143.30	378.84	331.40	4.99	OSF 5.00	11070.00	11054.52	OSF>5.00	Exit Alert
604.88	104.37	534.97	500.51	8.76		12570.00	11516.19		MinPt-CtCt
604.88	182.36	482.98	422.52	4.99	OSF 5.00	16070.00	11505.31	OSF<=5.00	Enter Alert
604.90	351.53	370.22	253.37	2.58	OSF 5.00	21636.56	11488.00		MinPts

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

20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	23.00	23.00		WRP
20.00	20.00	6.24	0.01	1.50	OSF 5.00	1290.00	1290.00		MinPts
20.00	20.14	6.25	-0.14	1.49	OSF 1.50	1320.00	1320.00	OSF<=1.50	Enter Minor
20.00	24.31	3.47	-4.30	1.22	OSF 1.50	1600.00	1600.00		MinPt-CtCt
20.15	24.75	3.33	-4.60	1.21	OSF 1.50	1630.00	1630.00		MinPt-EOU
20.27	24.89	3.34	-4.63	1.21	OSF 1.50	1640.00	1640.00		MinPts
26.74	27.19	8.28	-0.45	1.47	OSF 1.50	1800.00	1800.00	OSF>1.50	Exit Minor
122.64	37.65	97.21	84.98	4.98	OSF 5.00	2550.00	2546.99	OSF>5.00	Exit Alert
482.73	74.41	432.79	408.32	9.84		4810.00	4795.64		MinPt-SF
674.18	150.31	573.65	523.87	6.76		10100.00	10085.64		MinPt-CtCt
674.31	150.60	573.58	523.71	6.75		10120.00	10105.64		MinPts
676.24	151.36	575.01	524.89	6.74		10180.00	10165.64		MinPt-SF
1364.50	117.57	1285.80	1246.94	17.54		12030.00	11517.88		MinPt-CtCt
1364.57	117.78	1285.72	1246.79	17.51		12060.00	11517.79		MinPt-EOU
1364.68	117.93	1285.73	1246.75	17.49		12080.00	11517.72		MinPt-ADP
1365.44	122.36	1283.53	1243.08	16.86		12580.00	11516.16		MinPt-CtCt
1381.75	355.23	1144.60	1026.51	5.85		21636.56	11488.00		MinPts

Coterra Tres Equis 5-8 State Com 301H 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	31.04	7.60	5.05	CtCt 15.00m	800.00	800.00		MinPts
40.20	32.39	30.86	7.80	4.83	CtCt 15.00m	840.00	840.00		MinPt-EOU
43.69	32.39	33.11	11.29	4.57	CtCt 15.00m	970.00	970.00		MinPt-SF
56.58	32.39	44.20	24.18	4.99	OSF 5.00	1160.00	1160.00	OSF>5.00	Exit Alert
1197.00	165.31	1086.47	1031.70	10.92		10940.00	10925.64		MinPts
1321.97	372.80	1073.11	949.18	5.33		21630.00	11488.02		MinPt-CtCt
1321.97	372.95	1073.01	949.03	5.33		21636.56	11488.00		MinPts

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

39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	23.00	23.00		WRP
39.99	32.39	26.23	7.60	3.10	OSF 5.00	1290.00	1290.00		MinPt-EOU
39.99	32.39	23.46	7.60	2.51	OSF 5.00	1600.00	1600.00		MinPts
40.13	32.39	23.31	7.74	2.47	OSF 5.00	1630.00	1630.00		MinPt-EOU
41.00	32.39	23.68	8.60	2.45	OSF 5.00	1680.00	1680.00		MinPt-SF
106.32	32.67	84.21	73.65	4.99	OSF 5.00	2190.00	2188.96	OSF>5.00	Exit Alert
852.54	147.87	753.63	704.67	8.70		9930.00	9915.64		MinPt-CtCt
852.63	148.21	753.49	704.41	8.68		9970.00	9955.64		MinPt-EOU
852.77	148.39	753.51	704.38	8.67		9990.00	9975.64		MinPt-ADP
855.49	149.33	755.61	706.16	8.64		10100.00	10085.64		MinPt-SF
1355.06	119.11	1275.32	1235.95	17.19		12530.00	11516.31		MinPt-CtCt
1379.91	355.36	1142.67	1024.55	5.84		21636.56	11488.00		MinPts

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

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	
116.61	32.81	113.91	83.80	81.53			0.00	0.00				MinPts
116.62	32.81	113.92	83.81	81.54			23.00	23.00				WRP
117.51	32.81	113.31	84.70	39.88			340.00	340.00				MinPts
86.32	32.81	68.13	53.51	4.96		OSF 5.00	1810.00	1810.00	OSF<=5.00			Enter Alert
62.36	33.92	39.42	28.44	2.80		OSF 5.00	2289.11	2287.53				MinPt-CiCt
62.48	34.24	39.32	28.24	2.77		OSF 5.00	2310.00	2308.30				MinPt-EOU
62.62	34.39	39.36	28.22	2.77		OSF 5.00	2320.00	2318.25				MinPt-ADP
63.05	34.70	39.59	28.35	2.76		OSF 5.00	2340.00	2338.14				MinPt-SF
145.89	44.71	115.76	101.18	4.97		OSF 5.00	3020.00	3014.41	OSF>5.00			Exit Alert
676.88	138.14	584.47	538.75	7.39			9280.00	9265.64				MinPt-CiCt
677.11	150.54	576.42	526.57	6.78			10120.00	10105.64				MinPt-CiCt
677.83	152.58	575.78	525.25	6.70			10260.00	10245.64				MinPt-EOU
680.22	155.23	576.40	524.99	6.61			10440.00	10425.64				MinPt-ADP
693.67	162.37	585.09	531.30	6.44			10939.88	10925.52				MinPt-SF
693.21	164.67	583.10	528.54	6.34			11250.00	11220.72				MinPt-CiCt
693.24	164.74	583.08	528.50	6.34			11260.00	11229.24				MinPt-EOU
693.30	164.81	583.10	528.49	6.34			11270.00	11237.68				MinPt-ADP
694.23	165.15	583.81	529.09	6.33			11320.00	11278.36				MinPt-SF
1002.29	140.85	908.06	861.44	10.74			12330.00	11516.94				MinPts
1002.29	140.86	908.06	861.44	10.74			12340.00	11516.91				MinPt-ADP
994.09	143.73	897.95	850.37	10.44			12840.00	11515.35				MinPt-CiCt
994.13	143.85	897.90	850.27	10.43			12860.00	11515.29				MinPt-EOU
985.62	148.56	886.25	837.06	10.01			13330.00	11513.83				MinPt-CiCt
985.73	148.83	886.18	836.90	9.99			13360.00	11513.73				MinPt-EOU
985.81	148.92	886.20	836.89	9.99			13370.00	11513.70				MinPt-ADP
997.53	164.19	887.75	833.35	9.16			14330.00	11510.72				MinPt-CiCt
996.48	168.85	883.71	827.82	8.91			14570.00	11509.97				MinPt-CiCt
998.36	180.16	877.92	818.20	8.35			15140.00	11508.20				MinPt-EOU
998.50	180.32	877.95	818.17	8.34			15150.00	11508.17				MinPt-ADP
1005.48	190.25	878.32	815.23	7.96			15590.00	11508.80				MinPt-CiCt
1005.59	190.55	878.23	815.04	7.95			15610.00	11508.74				MinPt-EOU
1005.70	190.70	878.24	815.00	7.94			15620.00	11508.71				MinPt-ADP
997.69	212.62	855.62	785.08	7.06			16560.00	11503.78				MinPt-CiCt
1000.39	220.41	853.12	779.98	6.83			16880.00	11502.79				MinPt-EOU
1003.51	227.53	851.50	775.98	6.64			17150.00	11501.95				MinPt-EOU
1005.51	230.97	851.21	774.54	6.55			17280.00	11501.55				MinPt-EOU
1006.90	232.62	851.49	774.28	6.51			17350.00	11501.33				MinPt-ADP
1011.20	252.93	842.26	758.28	6.01			18070.00	11499.09				MinPt-CiCt
1010.31	259.56	836.95	750.75	5.86			18310.00	11498.34				MinPt-CiCt
1010.63	260.35	836.73	750.28	5.84			18350.00	11498.22				MinPt-EOU
1010.98	260.74	836.83	750.24	5.83			18370.00	11498.16				MinPt-ADP
1012.72	270.47	832.09	742.26	5.63			18700.00	11497.13				MinPt-CiCt
1011.57	278.55	825.55	733.03	5.46			18990.00	11496.23				MinPt-CiCt
1009.67	287.55	817.65	722.12	5.28			19310.00	11495.23				MinPt-CiCt
1009.76	287.86	817.53	721.90	5.27			19330.00	11495.17				MinPt-EOU
1009.89	288.01	817.55	721.88	5.27			19340.00	11495.14				MinPt-ADP
1011.29	288.69	818.50	722.59	5.27			19390.00	11494.98				MinPt-SF
1022.73	294.78	825.88	727.95	5.22			19590.00	11494.36				MinPt-EOU
1027.65	304.30	824.46	723.35	5.08			19910.00	11493.37				MinPt-EOU
1029.94	309.72	823.13	720.21	5.00		OSF 5.00	20090.00	11492.81	OSF<=5.00			Enter Alert
1034.29	324.55	817.59	709.74	4.79		OSF 5.00	20600.00	11491.22				MinPt-EOU
1036.94	334.59	813.55	702.35	4.66		OSF 5.00	20920.00	11490.23				MinPt-CiCt
1041.98	345.78	811.14	696.21	4.53		OSF 5.00	21310.00	11489.02				MinPt-EOU
1042.22	356.13	804.47	686.09	4.40		OSF 5.00	21636.56	11488.00				MinPts

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

134.14	32.81	131.44	101.33	93.93			0.00	0.00				MinPts
134.15	32.81	131.45	101.34	93.93			23.00	23.00				WRP
138.18	32.81	124.75	105.37	11.27			1290.00	1290.00				MinPt-EOU
136.73	32.81	115.63	103.92	6.75			2110.00	2109.40				MinPts
137.58	33.51	114.92	104.07	6.30			2270.00	2268.52				MinPt-EOU
138.83	34.99	115.18	103.85	6.08			2370.00	2367.97				MinPt-ADP
132.42	40.61	105.02	91.81	4.98		OSF 5.00	2750.00	2745.89	OSF<=5.00			Enter Alert
98.72	52.10	63.66	46.62	2.87		OSF 5.00	3522.71	3514.37				MinPt-CiCt
99.01	52.95	63.38	46.06	2.83		OSF 5.00	3580.00	3571.34				MinPt-EOU
99.26	53.25	63.43	46.01	2.82		OSF 5.00	3600.00	3591.23				MinPt-ADP
100.97	54.44	64.35	46.54	2.81		OSF 5.00	3680.00	3670.79				MinPt-SF
218.55	116.34	140.66	102.21	2.83		OSF 5.00	7820.00	7805.64				MinPt-CiCt
197.12	159.30	90.59	37.82	1.86		OSF 5.00	10750.00	10735.64				MinPt-CiCt
197.30	159.86	90.39	37.43	1.85		OSF 5.00	10790.00	10775.64				MinPt-EOU
197.55	160.14	90.46	37.41	1.85		OSF 5.00	10810.00	10795.64				MinPt-ADP
197.71	160.28	90.53	37.43	1.85		OSF 5.00	10820.00	10805.64				MinPt-SF
199.07	161.46	91.10	37.61	1.85		OSF 5.00	10900.00	10885.64				MinPt-SF
197.18	163.61	87.78	33.57	1.81		OSF 5.00	11170.00	11149.50				MinPt-CiCt
197.23	163.69	87.78	33.54	1.81		OSF 5.00	11180.00	11158.67				MinPts
545.14	166.78	433.63	378.36	4.92		OSF 5.00	11840.00	11508.21	OSF>5.00			Exit Alert
1071.82	123.80	988.97	948.03	13.08			13170.00	11514.32				MinPt-ADP
1075.31	133.85	985.74	941.45	12.13			13730.00	11512.58				MinPt-CiCt
1075.55	139.17	982.45	936.39	11.66			14000.00	11511.74				MinPt-CiCt
1075.88	149.69	975.76	926.19	10.84			14490.00	11510.22				MinPt-CiCt
1076.24	150.93	975.25	925.31	10.76			14560.00	11510.00				MinPt-EOU
1076.68	151.44	975.39	925.23	10.72			14590.00	11509.91				MinPt-ADP
1074.14	173.92	957.87	900.22	9.31			15490.00	11507.11				MinPt-CiCt
1074.27	174.36	957.70	899.91	9.29			15520.00	11507.02				MinPt-EOU
1063.89	203.60	927.83	860.29	7.87			16600.00	11503.66				MinPt-CiCt
1067.99	212.20	926.19	855.79	7.58			16930.00	11502.63				MinPt-EOU
1069.86	215.39	925.94	854.47	7.48			17040.00	11502.29				MinPt-EOU
1071.50	217.35	926.28	854.16	7.42			17120.00	11502.04				MinPt-ADP
1073.89	220.37	926.65	853.53	7.34			17220.00	11501.73				MinPt-EOU
1075.63	223.04	926.61	852.59	7.26			17310.00	11501.45				MinPt-EOU
1076.01	223.50	926.69	852.52	7.25			17330.00	11501.39				MinPt-ADP

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1081.10	235.62	923.69	845.48	6.91		17720.00	11500.18				MinPt-CiCt
	1077.47	254.20	907.68	823.27	6.38		18350.00	11498.22				MinPt-CiCt
	1076.46	269.11	896.72	807.34	6.02		18850.00	11496.66				MinPt-CiCt
	1077.46	272.11	895.72	805.35	5.96		18970.00	11496.29				MinPt-EOU
	1084.34	283.92	894.73	800.42	5.74		19360.00	11495.08				MinPt-EOU
	1085.79	285.67	895.02	800.12	5.72		19430.00	11494.86				MinPt-ADP
	1089.28	289.13	896.19	800.14	5.67		19550.00	11494.49				MinPt-ADP
	1095.03	295.02	898.02	800.01	5.58		19740.00	11493.90				MinPt-ADP
	1093.89	313.12	884.82	780.77	5.25		20290.00	11492.19				MinPt-CiCt
	1096.99	319.87	883.42	777.12	5.16		20530.00	11491.44				MinPt-EOU
	1097.76	320.78	883.58	776.98	5.14		20570.00	11491.32				MinPt-ADP
	1102.35	331.40	881.09	770.95	5.00	OSF 5.00	20890.00	11490.32	OSF<=5.00			Enter Alert
	1104.36	342.88	875.45	761.48	4.84	OSF 5.00	21250.00	11489.20				MinPt-CiCt
	1105.47	348.17	873.02	757.29	4.77	OSF 5.00	21420.00	11488.67				MinPt-CiCt
	1107.66	354.23	871.17	753.42	4.70	OSF 5.00	21636.56	11488.00				MinPts

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

	152.30	32.81	149.60	119.49	106.76		0.00	0.00				MinPts
	152.30	32.81	149.60	119.50	106.77		23.00	23.00				WRP
	153.59	32.81	148.98	120.78	45.79		380.00	380.00				MinPt-EOU
	155.62	32.81	148.45	122.81	26.24		650.00	650.00				MinPt-EOU
	152.69	32.81	139.33	119.89	12.54		1290.00	1290.00				MinPt-EOU
	152.03	32.81	136.76	119.22	10.57		1515.14	1515.14				MinPts
	152.33	32.81	136.43	119.52	10.15		1580.00	1580.00				MinPt-EOU
	319.04	73.52	269.70	245.52	6.58		4870.00	4855.64				MinPt-SF
	350.83	80.43	296.89	270.41	6.61		5340.00	5325.64				MinPt-SF
	478.18	137.57	386.14	340.61	5.24		9230.00	9215.64				MinPt-CiCt
	479.62	142.75	384.12	336.87	5.06		9580.00	9565.64				MinPt-EOU
	480.12	143.34	384.23	336.78	5.05		9620.00	9605.64				MinPt-ADP
	482.41	145.42	385.13	336.99	5.00	OSF 5.00	9760.00	9745.64	OSF<=5.00			Enter Alert
	484.41	147.65	385.64	336.75	4.94	OSF 5.00	9910.00	9895.64				MinPt-ADP
	500.33	158.08	394.62	342.25	4.77	OSF 5.00	10610.00	10595.64				MinPt-CiCt
	502.00	162.79	393.15	339.22	4.64	OSF 5.00	10939.88	10925.52				MinPts
	502.62	163.07	393.58	339.55	4.64	OSF 5.00	10980.00	10965.61				MinPt-SF
	546.93	165.48	436.28	381.45	4.98	OSF 5.00	11350.00	11301.50	OSF>5.00			Exit Alert
	1003.48	140.27	909.64	863.21	10.80		12610.00	11516.06				MinPt-CiCt
	1003.71	141.10	909.31	862.61	10.73		12710.00	11515.75				MinPt-EOU
	1004.00	141.45	909.37	862.55	10.71		12750.00	11515.63				MinPt-ADP
	1007.42	145.10	910.36	862.32	10.48		13080.00	11514.60				MinPt-ADP
	1010.69	148.49	911.37	862.20	10.27		13340.00	11513.80				MinPt-ADP
	1010.97	156.07	906.59	854.90	9.77		13820.00	11512.30				MinPt-CiCt
	1011.15	156.58	906.44	854.57	9.74		13860.00	11512.18				MinPt-EOU
	1011.27	156.71	906.46	854.55	9.73		13870.00	11512.15				MinPt-ADP
	999.73	224.39	849.81	775.34	6.71		16920.00	11502.66				MinPt-CiCt
	1003.76	241.32	842.55	762.44	6.26		17580.00	11500.61				MinPt-EOU
	1004.44	242.18	842.66	762.27	6.24		17620.00	11500.49				MinPt-ADP
	1007.15	245.58	843.11	761.57	6.17		17740.00	11500.11				MinPt-EOU
	1007.69	246.22	843.22	761.47	6.16		17770.00	11500.02				MinPt-ADP
	1013.03	261.58	838.32	751.46	5.83		18310.00	11498.34				MinPt-CiCt
	1010.87	277.40	825.61	733.46	5.48		18880.00	11496.57				MinPt-CiCt
	1012.56	287.30	820.69	725.26	5.30		19230.00	11495.48				MinPt-CiCt
	1013.66	290.81	819.46	722.85	5.24		19370.00	11495.05				MinPt-EOU
	1013.87	300.83	812.99	713.04	5.07		19700.00	11494.02				MinPt-CiCt
	1014.17	301.86	812.61	712.32	5.05		19750.00	11493.87				MinPt-EOU
	1014.69	302.48	812.71	712.22	5.04		19780.00	11493.77				MinPt-ADP
	1019.63	306.77	814.78	712.85	5.00	OSF 5.00	19930.00	11493.31	OSF<=5.00			Enter Alert
	1021.55	310.13	814.46	711.42	4.95	OSF 5.00	20040.00	11492.96				MinPt-EOU
	1018.04	327.27	799.53	690.77	4.68	OSF 5.00	20600.00	11491.22				MinPt-CiCt
	1018.49	328.60	799.10	689.90	4.66	OSF 5.00	20660.00	11491.04				MinPt-EOU
	1019.91	330.83	799.03	689.08	4.63	OSF 5.00	20740.00	11490.79				MinPt-EOU
	1024.93	345.17	794.49	679.76	4.46	OSF 5.00	21200.00	11489.36				MinPt-CiCt
	1027.90	355.13	790.82	672.77	4.35	OSF 5.00	21550.00	11488.27				MinPt-EOU
	1029.12	360.37	788.54	668.75	4.29	OSF 5.00	21636.56	11488.00				MinPts

30-025-45523 - HEMLOCK 32 STATE 703H - MWD to 17405ft - A (DefinitiveSurvey) - Warning Alert

	675.10	32.81	671.71	642.30	475.89		0.00	0.00				MinPts
	675.13	32.81	671.73	642.32	475.78		23.00	23.00				WRP
	281.92	85.90	224.12	196.03	4.99	OSF 5.00	5660.00	5645.64	OSF<=5.00			Enter Alert
	167.07	131.70	78.73	35.37	1.91	OSF 5.00	8746.49	8732.13				MinPt-CiCt
	167.31	132.46	78.46	34.85	1.90	OSF 5.00	8800.00	8785.64				MinPt-EOU
	169.27	134.61	79.00	34.66	1.89	OSF 5.00	8950.00	8935.64				MinPt-ADP
	169.45	163.83	59.65	5.62	1.55	OSF 5.00	10950.00	10935.64				MinPts
	553.66	168.23	440.97	385.43	4.97	OSF 5.00	11690.00	11478.99	OSF>5.00			Exit Alert
	10489.56	180.30	10368.87	10309.27	87.99		21636.56	11488.00				TD

30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A (DefinitiveSurvey) - Warning Alert

	757.14	32.81	753.74	724.33	533.89		0.00	0.00				Surface
	757.12	32.81	753.73	724.31	533.66		23.00	23.00				WRP
	465.99	77.52	413.77	388.47	9.18		5080.00	5065.64				MinPt-CiCt
	466.33	78.52	413.44	387.81	9.06		5150.00	5135.64				MinPt-EOU
	330.58	100.83	262.83	229.76	4.97	OSF 5.00	6650.00	6635.64	OSF<=5.00			Enter Alert
	262.42	135.97	171.24	126.45	2.91	OSF 5.00	9008.53	8994.17				MinPt-CiCt
	262.46	136.10	171.19	126.36	2.91	OSF 5.00	9020.00	9005.64				MinPt-EOU
	262.56	136.21	171.21	126.35	2.91	OSF 5.00	9030.00	9015.64				MinPt-ADP
	262.72	136.31	171.31	126.41	2.91	OSF 5.00	9040.00	9025.64				MinPt-SF
	411.95	125.64	327.65	286.31	4.96	OSF 5.00	9580.00	9565.64	OSF>5.00			Exit Alert
	10764.35	174.19	10647.72	10590.16	93.49		21636.56	11488.00				TD

30-025-40675 - TRES EQUIS 5 STATE 2 - Gyro-MWD to 15178ft - P (DefinitiveSurvey) - Warning Alert

	329.42	32.81	326.03	296.61	231.84		0.00	0.00				Surface
	328.92	32.81	325.52	296.11	231.12		23.00	23.00				WRP

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
322.18	32.81	307.96	289.37	26.18			1290.00	1290.00				MinPt-EOU
316.31	32.81	296.90	283.51	17.81			1840.27	1840.27				MinPts
316.53	32.81	296.62	283.72	17.34			1890.00	1889.99				MinPt-EOU
489.26	65.76	444.84	423.50	11.43			4370.00	4357.01				MinPt-SF
575.01	106.64	503.37	468.36	8.19			7150.00	7135.64				MinPt-CiCt
577.18	115.30	499.77	461.88	7.59			7740.00	7725.64				MinPt-EOU
580.62	147.59	481.69	433.03	5.95			9920.00	9905.64				MinPt-CiCt
583.55	153.75	480.52	429.80	5.74			10340.00	10325.64				MinPt-EOU
585.41	157.68	479.75	427.73	5.61			10620.00	10605.64				MinPt-EOU
585.47	157.76	479.76	427.72	5.61			10630.00	10615.64				MinPt-ADP
586.94	158.47	480.75	428.46	5.60			10730.00	10715.64				MinPt-SF
590.05	159.27	483.33	430.78	5.60			10830.00	10815.64				MinPt-SF
451.06	135.61	360.16	315.46	5.03			12480.00	11516.47				MinPt-CiCt
451.12	135.75	360.12	315.37	5.02			12500.00	11516.41				MinPt-EOU
451.19	135.84	360.14	315.36	5.02			12510.00	11516.38				MinPt-ADP
453.18	137.04	361.32	316.14	5.00		OSF 5.00	12630.00	11516.00	OSF<=5.00			Enter Alert
453.61	137.95	361.14	315.66	4.97		OSF 5.00	12690.00	11515.82				MinPt-EOU
455.45	143.90	359.02	311.56	4.78		OSF 5.00	12990.00	11514.88				MinPt-CiCt
457.07	148.68	357.45	308.39	4.64		OSF 5.00	13180.00	11514.29				MinPt-EOU
460.83	154.75	357.17	306.09	4.50		OSF 5.00	13400.00	11513.61				MinPt-EOU
480.00	204.18	343.38	275.82	3.54		OSF 5.00	14700.00	11509.57				MinPt-CiCt
491.24	244.83	327.52	246.41	3.02		OSF 5.00	15680.00	11506.52				MinPt-EOU
495.60	250.42	328.15	245.17	2.96		OSF 5.00	15810.00	11506.12				MinPts
717.05	218.66	570.78	498.40	4.94		OSF 5.00	16310.00	11504.56	OSF>5.00			Exit Alert
5866.05	178.81	5746.34	5687.24	49.61			21636.56	11488.00				TD

30-025-40818 - TRES EQUIS 5 STATE 2Y - Gyro+MWD to 15531ft - P (DefinitiveSurvey) - Warning Alert

478.98	32.81	475.59	446.17	337.23			0.00	0.00				Surface
478.90	32.81	475.50	446.09	337.00			23.00	23.00				WRP
469.44	32.81	455.16	436.63	38.01			1290.00	1290.00				MinPt-EOU
467.72	32.81	448.45	434.91	26.62			1817.44	1817.44				MinPts
467.92	32.81	448.24	435.11	26.01			1860.00	1860.00				MinPt-EOU
682.17	83.06	626.26	599.11	12.53			5540.00	5525.64				MinPt-CiCt
682.22	86.15	624.24	596.06	12.08			5750.00	5735.64				MinPt-CiCt
679.37	105.16	608.72	574.20	9.82			7040.00	7025.64				MinPt-CiCt
680.20	107.61	607.93	572.60	9.60			7210.00	7195.64				MinPt-EOU
683.97	112.00	608.77	571.98	9.27			7510.00	7495.64				MinPt-ADP
691.07	134.85	600.63	556.21	7.76			9050.00	9035.64				MinPt-CiCt
691.10	144.03	594.55	547.08	7.26			9670.00	9655.64				MinPt-CiCt
687.42	157.89	581.62	529.52	6.58			10700.00	10685.64				MinPts
687.48	157.95	581.64	529.52	6.58			10710.00	10695.64				MinPt-ADP
687.62	158.01	581.74	529.61	6.58			10720.00	10705.64				MinPt-SF
608.15	163.24	498.83	444.91	5.63			13330.00	11513.83				MinPt-CiCt
592.40	178.82	472.69	413.58	5.00		OSF 5.00	13920.00	11511.99	OSF<=5.00			Enter Alert
538.37	237.35	379.63	301.02	3.41		OSF 5.00	15650.00	11506.61				MinPt-CiCt
539.65	242.17	377.71	297.48	3.35		OSF 5.00	15800.00	11506.15				MinPt-EOU
543.78	253.63	374.19	290.15	3.23		OSF 5.00	16110.00	11505.18				MinPt-EOU
543.93	253.83	374.20	290.09	3.22		OSF 5.00	16120.00	11505.15				MinPts
740.76	225.06	590.21	515.69	4.96		OSF 5.00	16610.00	11503.63	OSF>5.00			Exit Alert
5556.25	179.12	5436.34	5377.14	46.91			21636.56	11488.00				TD

30-025-40570 - EATA FAJITA STATE 2H - Gyro+MWD to 15410ft - A (DefinitiveSurvey) - Warning Alert

9824.30	32.81	9820.91	9791.49	6944.37			0.00	0.00				Surface
9824.18	32.81	9820.78	9791.37	6943.58			23.00	23.00				WRP
9823.62	32.81	9818.11	9790.81	2778.96			420.00	420.00				MinPts
9824.72	32.81	9810.80	9791.91	823.09			1290.00	1290.00				MinPt-EOU
9822.68	32.81	9803.53	9789.87	564.67			1820.00	1820.00				MinPts
9822.75	32.81	9803.45	9789.94	559.78			1840.00	1840.00				MinPt-EOU
726.82	219.44	580.02	507.38	4.99		OSF 5.00	16330.00	11504.50	OSF<=5.00			Enter Alert
527.81	267.36	349.06	260.44	2.97		OSF 5.00	16830.00	11502.94				MinPts
527.77	267.20	349.14	260.57	2.97		OSF 5.00	16850.00	11502.88				MinPt-CiCt
532.80	261.72	357.82	271.09	3.06		OSF 5.00	17250.00	11501.64				MinPt-ADP
532.64	261.52	357.75	271.12	3.06		OSF 5.00	17270.00	11501.58				MinPt-EOU
532.41	260.76	358.07	271.65	3.07		OSF 5.00	17340.00	11501.36				MinPt-CiCt
524.86	251.45	356.73	273.41	3.14		OSF 5.00	17910.00	11499.59				MinPt-SF
523.88	250.83	356.16	273.05	3.14		OSF 5.00	17980.00	11499.37				MinPt-ADP
523.73	250.67	356.12	273.07	3.14		OSF 5.00	18000.00	11499.31				MinPt-EOU
523.65	250.45	356.19	273.20	3.15		OSF 5.00	18028.93	11499.22				MinPt-CiCt
529.63	247.18	364.35	282.45	3.22		OSF 5.00	18390.00	11498.09				MinPt-EOU
529.54	246.90	364.44	282.64	3.23		OSF 5.00	18450.00	11497.91				MinPt-CiCt
527.38	249.10	360.81	278.28	3.19		OSF 5.00	19640.00	11494.21				MinPt-CiCt
527.46	249.41	360.65	278.06	3.18		OSF 5.00	19680.00	11494.08				MinPt-EOU
527.57	249.55	360.71	278.03	3.18		OSF 5.00	19700.00	11494.02				MinPt-ADP
528.14	250.52	360.63	277.62	3.17		OSF 5.00	19840.00	11493.59				MinPt-EOU
528.34	250.77	360.66	277.58	3.17		OSF 5.00	19870.00	11493.49				MinPt-ADP
530.20	251.98	361.71	278.21	3.17		OSF 5.00	19990.00	11493.12				MinPt-SF
537.64	261.10	363.08	276.55	3.10		OSF 5.00	20720.00	11490.85				MinPt-CiCt
537.79	261.66	362.85	276.13	3.09		OSF 5.00	20750.00	11490.76				MinPt-EOU
537.95	261.86	362.88	276.09	3.09		OSF 5.00	20760.00	11490.73				MinPt-ADP
538.45	262.23	363.13	276.23	3.09		OSF 5.00	20780.00	11490.66				MinPt-SF
780.48	249.75	613.48	530.73	4.71		OSF 5.00	21636.56	11488.00				TD

30-025-41057 - HEARTTHROB BSX STATE 2H - Gyro+MWD to 15824ft - A (DefinitiveSurvey) - Warning Alert

10436.18	32.81	10432.78	10403.37	7376.99			0.00	0.00				Surface
10436.04	32.81	10432.65	10403.23	7375.96			23.00	23.00				WRP
10435.93	32.81	10432.52	10403.12	7326.04			70.00	70.00				MinPts
10435.93	32.81	10432.52	10403.12	7274.88			90.00	90.00				MinPt-EOU
10436.07	32.81	10432.51	10403.26	6600.93			160.00	160.00				MinPt-EOU
10440.35	32.81	10431.84	10407.54	1596.96			780.00	780.00				MinPt-EOU
10443.83	32.81	10429.94	10411.02	877.01			1290.00	1290.00				MinPt-EOU
10440.94	32.81	10423.86	10408.14	681.33			1810.00	1810.00				MinPts

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
10441.06	32.81	10423.76	10408.25	671.83			1840.00	1840.00				MinPt-EOU
10667.87	63.39	10625.02	10604.47	259.59			4670.00	4655.71				MinPt-ADP
10672.01	65.39	10627.83	10606.62	251.55			4830.00	4815.64				MinPt-EOU
10672.55	66.11	10627.89	10606.45	248.75			4890.00	4875.64				MinPt-ADP
10679.56	105.43	10608.73	10574.12	154.28			7570.00	7555.64				MinPt-CtCt
10675.42	119.65	10595.11	10555.77	135.64			8540.00	8525.64				MinPt-CtCt
10652.31	148.44	10552.81	10503.87	108.81			10500.00	10485.64				MinPt-CtCt
10652.98	150.38	10552.19	10502.60	107.40			10670.00	10655.64				MinPt-EOU
10653.43	150.92	10552.28	10502.51	107.02			10720.00	10705.64				MinPt-ADP
684.74	208.79	545.04	475.94	4.94		OSF 5.00	21560.00	11488.24	OSF<=5.00			Enter Alert
629.72	214.55	486.19	415.17	4.42		OSF 5.00	21636.56	11488.00				MinPts
Coterra Tres Equis 5-8 State Com 211H 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	9.62			640.00	640.00				MinPt-EOU
71.51	32.81	61.66	38.70	8.20			900.00	900.00				MinPt-SF
1174.90	156.42	1070.29	1018.48	11.33			10340.00	10325.64				MinPt-EOU
1175.05	156.61	1070.32	1018.44	11.32			10360.00	10345.64				MinPt-ADP
1183.07	158.66	1076.97	1024.41	11.25			10580.00	10565.64				MinPt-SF
1466.39	365.42	1222.45	1100.97	6.03			21636.56	11488.00				MinPts
30-025-40675-0100 - TRES EQUIS 5 STATE 2 ST01 - Gyro+MWD to 10485ft - P (DefinitiveSurvey) - Pass												
329.42	32.81	326.03	296.61	231.84			0.00	0.00				Surface
328.92	32.81	325.52	296.11	231.12			23.00	23.00				WRP
322.18	32.81	307.96	289.37	26.18			1290.00	1290.00				MinPt-EOU
316.31	32.81	296.90	283.51	17.81			1840.27	1840.27				MinPts
316.53	32.81	296.62	283.72	17.34			1890.00	1889.99				MinPt-EOU
489.26	65.76	444.84	423.50	11.43			4370.00	4357.01				MinPt-SF
535.45	72.74	486.37	462.71	11.28			4890.00	4875.64				MinPt-EOU
454.77	88.97	394.92	365.80	7.78			6630.00	6615.64				MinPt-CtCt
454.62	92.80	392.21	361.81	7.45			6980.00	6965.64				MinPt-CtCt
458.81	103.63	389.18	355.18	6.72			7920.00	7905.64				MinPt-EOU
462.81	108.79	389.75	354.02	6.45			8350.00	8335.64				MinPt-EOU
463.51	109.63	389.88	353.88	6.41			8420.00	8405.64				MinPt-ADP
465.88	113.36	389.77	352.52	6.23			8720.00	8705.64				MinPt-EOU
466.60	114.22	389.91	352.38	6.19			8790.00	8775.64				MinPt-ADP
471.10	118.49	391.57	352.61	6.03			9130.00	9115.64				MinPt-ADP
452.05	136.49	360.52	315.56	5.01			10510.00	10495.64				MinPts
452.11	136.52	360.56	315.59	5.01			10520.00	10505.64				MinPt-SF
10196.15	158.47	10090.00	10037.68	97.42			21636.56	11488.00				TD
30-025-46753 - HEMLOCK 32 STATE 202H - MWD to 14813ft - A (DefinitiveSurvey) - Pass												
1290.22	32.81	1286.83	1257.41	910.77			0.00	0.00				MinPts
1290.24	32.81	1286.85	1257.43	910.73			23.00	23.00				WRP
527.29	102.46	458.44	424.82	7.82			6810.00	6795.64				MinPt-CtCt
494.44	138.16	401.79	356.28	5.41			9222.66	9208.30				MinPt-CtCt
494.55	138.51	401.67	356.03	5.40			9250.00	9235.64				MinPt-EOU
494.77	138.77	401.72	356.00	5.39			9270.00	9255.64				MinPt-ADP
496.82	139.75	403.12	357.07	5.38			9350.00	9335.64				MinPt-SF
10770.80	175.40	10653.37	10595.40	92.89			21636.56	11488.00				TD
30-025-45516 - HEMLOCK 32 STATE 704H - MWD to 17475ft - A (DefinitiveSurvey) - Pass												
682.69	32.81	679.30	649.88	481.25			0.00	0.00				MinPts
682.73	32.81	679.33	649.92	481.16			23.00	23.00				WRP
627.44	47.73	595.03	579.71	20.42			3082.75	3078.82				MinPt-CtCt
627.87	49.09	594.56	578.79	19.84			3170.00	3163.59				MinPt-EOU
628.53	49.87	594.70	578.67	19.54			3220.00	3213.31				MinPt-ADP
645.56	63.60	602.57	581.96	15.62			4070.00	4058.65				MinPt-CtCt
645.80	64.34	602.32	581.46	15.44			4120.00	4108.38				MinPt-EOU
646.05	64.64	602.38	581.42	15.37			4140.00	4128.27				MinPt-ADP
825.50	117.46	746.66	708.04	10.67			7670.00	7655.64				MinPt-CtCt
825.78	118.29	746.38	707.49	10.60			7730.00	7715.64				MinPt-EOU
826.13	118.71	746.46	707.42	10.56			7760.00	7745.64				MinPt-ADP
832.04	128.96	745.53	703.08	9.78			8450.00	8435.64				MinPt-CtCt
835.61	144.58	738.69	691.03	8.75			9510.00	9495.64				MinPt-EOU
836.46	145.59	738.86	690.67	8.70			9580.00	9565.64				MinPt-ADP
843.89	158.22	737.88	685.67	8.07			10430.00	10415.64				MinPt-CtCt
844.63	160.39	737.17	684.24	7.96			10580.00	10565.64				MinPt-EOU
848.38	165.14	737.75	683.24	7.77			10900.00	10885.64				MinPt-ADP
853.43	167.99	740.90	685.44	7.68			11230.00	11203.40				MinPt-SF
10512.92	184.07	10389.71	10328.85	86.36			21636.56	11488.00				TD
30-025-46755 - HEMLOCK 32 STATE 204H - MWD to 14786ft - A (DefinitiveSurvey) - Pass												
768.17	32.81	764.77	735.36	541.68			0.00	0.00				MinPts
768.17	32.81	764.78	735.36	541.52			23.00	23.00				WRP
768.48	32.81	764.58	735.68	398.35			210.00	210.00				MinPt-EOU
650.56	68.67	604.19	581.89	14.55			4490.00	4476.35				MinPt-CtCt
651.20	70.51	603.60	580.68	14.17			4610.00	4595.83				MinPt-EOU
651.94	71.42	603.74	580.52	14.00			4670.00	4655.71				MinPt-ADP
667.22	80.19	613.22	587.02	12.71			5260.00	5245.64				MinPt-ADP
668.32	83.40	612.18	584.92	12.23			5460.00	5445.64				MinPt-CtCt
668.77	84.76	611.72	584.01	12.04			5550.00	5535.64				MinPt-EOU
669.55	85.88	611.90	583.88	11.92			5610.00	5595.64				MinPt-ADP
704.70	110.84	630.27	593.86	9.66			7270.00	7255.64				MinPt-CtCt
704.92	115.37	627.47	589.55	9.27			7590.00	7575.64				MinPt-CtCt
697.93	139.48	604.41	558.45	7.58			9230.00	9215.64				MinPt-CtCt
698.16	140.15	604.19	558.01	7.54			9280.00	9265.64				MinPt-EOU
698.39	140.42	604.24	557.97	7.53			9300.00	9285.64				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	
	701.30	141.74	606.27	559.56	7.49		9410.00	9395.64				MinPt-SF
	10744.60	174.66	10627.66	10569.94	93.06		21636.56	11488.00				TD
30-025-44344 - HEMLOCK 32 STATE 702H - MWD to 17526ft - A (DefinitiveSurvey) - Pass												
	1214.56	32.81	1211.17	1181.75	857.28		0.00	0.00				MinPts
	1214.56	32.81	1211.17	1181.75	857.23		23.00	23.00				WRP
	1214.30	32.81	1206.94	1181.49	225.17		600.00	600.00				MinPts
	1216.97	32.81	1202.85	1184.17	100.06		1290.00	1290.00				MinPt-EOU
	671.54	112.71	595.86	558.83	9.05		7445.25	7430.89				MinPt-CtCt
	671.99	114.08	595.39	557.90	8.94		7540.00	7525.64				MinPt-EOU
	672.58	114.80	595.50	557.77	8.89		7590.00	7575.64				MinPt-ADP
	690.36	135.31	599.61	555.05	7.73		8980.00	8965.64				MinPt-EOU
	693.10	138.57	600.19	554.54	7.57		9210.00	9195.64				MinPt-ADP
	694.97	150.94	593.81	544.03	6.96		10070.00	10055.64				MinPt-CtCt
	695.27	151.90	593.47	543.37	6.92		10140.00	10125.64				MinPt-EOU
	697.79	155.03	593.90	542.76	6.81		10360.00	10345.64				MinPt-ADP
	706.25	163.24	596.88	543.01	6.54		10940.00	10925.64				MinPt-EOU
	706.30	163.31	596.89	542.99	6.54		10950.00	10935.64				MinPt-ADP
	706.91	163.51	597.36	543.39	6.53		10980.00	10965.61				MinPt-SF
	10587.78	179.32	10467.73	10408.46	89.30		21636.56	11488.00				TD
30-025-40532 - TRES EQUIS 5 STATE 1H - Gyro+MWD to 15525ft - A (DefinitiveSurvey) - Pass												
	990.68	32.81	987.29	957.87	699.00		0.00	0.00				MinPts
	990.72	32.81	987.32	957.91	698.99		23.00	23.00				WRP
	998.99	32.81	984.61	966.18	80.38		1290.00	1290.00				MinPt-EOU
	868.32	70.61	820.66	797.71	18.88		4640.00	4625.76				MinPt-CtCt
	868.61	71.50	820.35	797.11	18.64		4700.00	4685.68				MinPt-EOU
	869.22	72.25	820.47	796.98	18.46		4750.00	4735.65				MinPt-ADP
	868.12	100.65	800.48	767.47	13.12		6690.00	6675.64				MinPt-CtCt
	862.19	148.15	762.88	714.03	8.81		9913.00	9898.64				MinPt-CtCt
	865.05	157.87	759.26	707.18	8.29		10600.00	10585.64				MinPt-EOU
	865.11	157.94	759.27	707.16	8.29		10610.00	10595.64				MinPt-ADP
	866.81	158.68	760.49	708.13	8.26		10710.00	10695.64				MinPt-SF
	1060.77	182.50	938.60	878.27	8.78		13370.00	11513.70				MinPt-CtCt
	1061.24	183.83	938.15	877.41	8.72		13430.00	11513.52				MinPt-EOU
	1031.63	223.97	881.81	807.66	6.95		14620.00	11509.82				MinPt-CtCt
	1032.62	226.74	880.96	805.88	6.87		14710.00	11509.54				MinPt-EOU
	1033.67	228.00	881.17	805.67	6.84		14750.00	11509.41				MinPt-ADP
	1064.17	253.10	894.93	811.06	6.34		15380.00	11507.45				MinPt-ADP
	1058.83	285.85	867.89	773.17	5.58		16110.00	11505.18				MinPt-CtCt
	1058.87	285.75	867.87	773.12	5.58		16120.00	11505.15				MinPts
	1059.25	285.90	868.15	773.35	5.58		16140.00	11505.09				MinPt-SF
	5627.16	185.64	5502.89	5441.51	45.83		21636.56	11488.00				TD
30-025-40582 - EATA FAJITA STATE 1H - Gyro+MWD to 15607ft - A (DefinitiveSurvey) - Pass												
	10093.48	32.81	10090.08	10060.67	7134.90		0.00	0.00				Surface
	10093.27	32.81	10089.87	10060.46	7132.35		23.00	23.00				WRP
	10092.96	32.81	10089.54	10060.15	7005.04		100.00	100.00				MinPts
	10093.31	32.81	10089.41	10060.50	5251.69		240.00	240.00				MinPt-EOU
	10093.94	32.81	10089.41	10061.13	3947.87		340.00	340.00				MinPt-EOU
	10096.97	32.81	10084.91	10064.16	1001.72		1150.00	1150.00				MinPt-EOU
	10098.25	32.81	10084.82	10065.45	881.69		1290.00	1290.00				MinPt-EOU
	10099.09	32.81	10084.92	10066.28	813.46		1390.00	1390.00				MinPt-EOU
	1092.56	297.63	893.64	794.93	5.53		16760.00	11503.16				MinPt-SF
	1067.00	284.89	876.57	782.10	5.64		17370.00	11501.27				MinPt-ADP
	1066.30	284.07	876.42	782.23	5.65		17420.00	11501.11				MinPt-EOU
	1065.76	282.05	877.23	783.71	5.69		17540.00	11500.74				MinPt-CtCt
	1063.20	278.05	877.34	785.16	5.76		17730.00	11500.15				MinPt-ADP
	1062.62	277.33	877.23	785.29	5.77		17780.00	11499.99				MinPt-EOU
	1059.65	272.44	877.53	787.21	5.86		18060.00	11499.12				MinPt-ADP
	1059.36	272.09	877.47	787.27	5.86		18090.00	11499.03				MinPt-EOU
	1045.34	261.91	870.24	783.43	6.01		19060.00	11496.01				MinPt-SF
	1005.94	261.67	830.99	744.26	5.79		20120.00	11492.72				MinPt-CtCt
	1004.62	262.59	829.06	742.03	5.76		20300.00	11492.16				MinPt-CtCt
	1004.65	263.45	828.51	741.19	5.74		20420.00	11491.78				MinPt-CtCt
	1004.82	264.01	828.31	740.81	5.73		20480.00	11491.60				MinPt-EOU
	1004.41	266.46	826.27	737.95	5.68		20728.67	11490.82				MinPt-CtCt
	1004.64	267.09	826.08	737.55	5.67		20780.00	11490.66				MinPt-EOU
	1004.85	267.33	826.13	737.52	5.66		20800.00	11490.60				MinPt-ADP
	1012.02	271.44	830.56	740.58	5.62		21120.00	11489.61				MinPt-SF
	1085.13	274.18	901.84	810.95	5.96		21636.56	11488.00				TD
30-025-44343 - HEMLOCK 32 STATE 701H - MWD to 17540ft - A (DefinitiveSurvey) - Pass												
	1241.62	32.81	1238.22	1208.81	876.40		0.00	0.00				MinPts
	1241.63	32.81	1238.23	1208.82	876.38		23.00	23.00				WRP
	1243.77	32.81	1236.95	1210.96	256.77		550.00	550.00				MinPt-EOU
	1249.76	32.81	1235.66	1216.95	102.96		1290.00	1290.00				MinPt-EOU
	1104.24	70.97	1056.34	1033.27	23.89		4620.00	4605.80				MinPt-CtCt
	1104.38	71.41	1056.19	1032.97	23.75		4650.00	4635.74				MinPt-EOU
	1104.51	71.55	1056.22	1032.95	23.70		4660.00	4645.72				MinPt-ADP
	1137.88	90.36	1077.10	1047.52	19.21		5890.00	5875.64				MinPt-CtCt
	1138.61	92.43	1076.45	1046.17	18.78		6040.00	6025.64				MinPt-EOU
	1140.14	94.28	1076.74	1045.85	18.43		6170.00	6155.64				MinPt-ADP
	1101.99	131.09	1014.06	970.90	12.75		8718.22	8703.86				MinPt-CtCt
	1102.26	131.94	1013.76	970.31	12.67		8780.00	8765.64				MinPt-EOU
	1102.72	132.49	1013.85	970.22	12.62		8820.00	8805.64				MinPt-ADP
	1113.98	149.44	1013.81	964.54	11.29		9970.00	9955.64				MinPt-EOU
	1116.61	152.54	1014.38	964.07	11.08		10180.00	10165.64				MinPt-ADP
	1122.01	159.71	1015.00	962.30	10.63		10660.00	10645.64				MinPt-EOU
	1122.72	160.57	1015.14	962.15	10.58		10720.00	10705.64				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	
	1129.58	164.15	1019.61	965.44	10.41		11010.00	10995.47				MinPt-SF
	10567.03	181.30	10445.67	10385.74	88.15		21636.56	11488.00				TD
30-025-41056 - HEARTTHROB BSX STATE 1H - Gyro+MWD to 15815ft - A (DefinitiveSurvey) - Pass												
	10481.42	32.81	10478.02	10448.61	7409.01		0.00	0.00				Surface
	10481.27	32.81	10477.87	10448.46	7407.71		23.00	23.00				WRP
	10481.12	32.81	10477.71	10448.31	7334.20		80.00	80.00				MinPts
	10481.61	32.81	10477.19	10448.80	4289.83		320.00	320.00				MinPt-EOU
	10484.44	32.81	10476.21	10451.64	1675.36		750.00	750.00				MinPt-EOU
	10484.72	32.81	10470.87	10451.92	882.83		1290.00	1290.00				MinPt-EOU
	10484.68	32.81	10470.55	10451.87	847.51		1360.00	1360.00				MinPts
	10484.97	32.81	10467.94	10452.16	686.73		1800.00	1800.00				MinPts
	10485.07	32.81	10467.83	10452.26	677.10		1830.00	1830.00				MinPt-EOU
	10706.55	65.63	10662.21	10640.92	251.40		4880.00	4865.64				MinPt-ADP
	10669.73	144.03	10573.18	10525.70	112.37		10220.00	10205.64				MinPt-CtCt
	10671.81	148.91	10572.00	10522.90	108.66		10590.00	10575.64				MinPt-EOU
	10672.67	149.94	10572.17	10522.72	107.91		10680.00	10665.64				MinPt-ADP
	1151.01	265.75	973.34	885.26	6.53		21636.56	11488.00				MinPts
30-025-46752 - HEMLOCK 32 STATE 201H - MWD to 14523ft - A (DefinitiveSurvey) - Pass												
	1319.18	32.81	1315.79	1286.37	931.24		0.00	0.00				MinPts
	1319.19	32.81	1315.80	1286.38	931.17		23.00	23.00				WRP
	1303.00	32.81	1286.55	1270.19	88.60		1520.00	1520.00				MinPts
	1303.18	32.81	1286.39	1270.37	86.59		1560.00	1560.00				MinPt-EOU
	1167.33	76.68	1115.67	1090.65	23.29		4971.81	4957.45				MinPt-CtCt
	1168.95	79.83	1115.19	1089.12	22.39		5190.00	5175.64				MinPt-EOU
	1169.16	80.09	1115.23	1089.07	22.32		5210.00	5195.64				MinPt-ADP
	1210.22	102.47	1141.37	1107.75	17.97		6760.00	6745.64				MinPt-CtCt
	1210.27	107.47	1138.08	1102.80	17.13		7110.00	7095.64				MinPt-CtCt
	1189.04	136.45	1097.54	1052.59	13.21		9100.00	9085.64				MinPt-CtCt
	1189.35	137.39	1097.22	1051.96	13.12		9170.00	9155.64				MinPt-EOU
	1189.45	137.52	1097.23	1051.93	13.11		9180.00	9165.64				MinPt-ADP
	1196.28	139.28	1102.88	1056.99	13.02		9350.00	9335.64				MinPt-SF
	10869.95	175.26	10752.61	10694.69	93.82		21636.56	11488.00				TD



Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25 Proposal Geodetic Report

Def Plan

Report Date: October 23, 2025 - 03:02 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 302H
Borehole: Tres Equis 5-8 State Com 302H
UBHI / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25
Survey Date: October 22, 2025
Tort / AHD / DDI / ERD Ratio: 111.183 " / 10652.289 ft / 6.347 / 0.925
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'10.96091"N, 103°35'51.08440"W
Location Grid NIE YX: N 456570.440 BUS, E 768803.840 BUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99996835(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: 3679.100 ft above MSL
Seabed / Ground Elevation: 3656.100 ft above MSL
Magnetic Declination: 6.057°
Total Gravity Field Strength: 998.4383mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47180.506 nT
Magnetic Dip Angle: 59.731°
Declination Date: October 23, 2025
Magnetic Declination Model: HDGM 2025
North Reference: Grid North
Grid Convergence Used: 0.393°
Total Corr Mag North->Grid North: 5.664°
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327FNL, 1658FWL]	0.00	0.00	0.00	0.00	-3.679.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
Nudge, Build 2"/100ft	1,800.00	0.00	322.79	1,800.00	-1,879.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
Hold	2,100.09	6.00	322.79	2,099.54	-1,579.56	-12.57	12.51	-9.50	456,582.95	768,794.34	32.25307925	-103.59755388	2.00	2.00	0.00
Drop 2"/100ft	4,519.79	6.00	322.79	4,505.98	826.88	-215.10	213.99	-162.50	456,784.43	768,641.34	32.25363594	-103.59804432	0.00	0.00	0.00
Hold	4,819.88	0.00	322.79	4,805.52	1,126.42	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	2.00	-2.00	0.00
KOP, Build 10"/100ft	10,939.88	0.00	322.79	10,925.52	7,246.42	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
Build 5"/100ft	11,689.88	75.00	170.61	11,478.95	7,799.85	191.77	-192.48	-102.71	456,377.97	768,701.13	32.25251760	-103.59785994	10.00	10.00	0.00
Landing Point	11,993.48	90.18	170.61	11,518.00	7,838.90	488.64	-488.64	-53.74	456,081.82	768,750.10	32.25170265	-103.59770809	5.00	5.00	0.00
Turn 2"/100ft	12,093.48	90.18	170.61	11,517.68	7,838.58	587.03	-587.30	-37.42	455,983.16	768,766.42	32.25143117	-103.59765750	0.00	0.00	0.00
Hold	12,543.44	90.18	179.61	11,516.27	7,837.17	1,035.14	-1,035.16	0.90	455,535.32	768,804.74	32.25019948	-103.59754349	2.00	0.00	2.00
Tres Equis 5-8 State Com 302H - BHL [100FSL, 1652FWL]	21,636.56	90.18	179.61	11,488.00	7,808.90	10,128.21	-10,128.02	62.91	446,442.76	768,866.75	32.22520583	-103.59754439	0.00	0.00	0.00

Survey Type: Def Plan

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

Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
	1	0.000	10,900.000	1/100.000	5 – 12.25 – 8.75	3.375 – 9.625	7	A001Mb_MWD		Tres Equis 5-8 State Com 302H / Coterra Tres Equ
	1	10,900.000	21,636.560	1/100.000	8.75 – 6	7 – 5		A008Mb_MWD+FR1+MS		Tres Equis 5-8 State Com 302H / Coterra Tres Equ

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,365.000	17.500	13.375	
4,999.000	12.250	9.625	
11,816.000	8.750	7.000	
21,636.560	6.000	5.000	



Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25 Proposal Geodetic

Report
Def Plan

Report Date: October 23, 2025 - 03:02 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 302H
Borehole: Tres Equis 5-8 State Com 302H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 302H Rev0 kFc 23Oct25
Survey Date: October 23, 2025
Tort / AHD / DDI / ERD Ratio: 111.183 ' / 10652.289 ft / 6.347 / 0.925
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Location Lat / Long: 32°15'10.9609"N, -103°35'51.0844"W
Location Grid N/E Y/X: N 456570.440 RJUS, E 768803.840 RJUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99996835(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
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TVD Reference Elevation: 3679.100 ft above MSL
Sealed / Ground Elevation: 3656.100 ft above MSL
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Gravity Model: GARM
Total Magnetic Field Strength: 47180.506 nT
Magnetic Dip Angle: 59.731°
Declination Date: October 23, 2025
Magnetic Declination Model: HDGM 2025
North Reference: Grid North
Grid Convergence Used: 0.393"
Total Corr Mag North->Grid North: 5.664'
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327°FNL, 1658°FWL]	0.00	0.00	0.00	0.00	-3.679.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344			
	100.00	0.00	322.79	100.00	-3.579.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	200.00	0.00	322.79	200.00	-3.479.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	300.00	0.00	322.79	300.00	-3.379.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	400.00	0.00	322.79	400.00	-3.279.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	500.00	0.00	322.79	500.00	-3.179.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	600.00	0.00	322.79	600.00	-3.079.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	700.00	0.00	322.79	700.00	-2.979.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	800.00	0.00	322.79	800.00	-2.879.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	900.00	0.00	322.79	900.00	-2.779.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
Rustier	1,000.00	0.00	322.79	1,000.00	-2.679.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,100.00	0.00	322.79	1,100.00	-2.579.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,200.00	0.00	322.79	1,200.00	-2.479.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,247.00	0.00	322.79	1,247.00	-2.432.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,300.00	0.00	322.79	1,300.00	-2.379.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,352.00	0.00	322.79	1,352.00	-2.327.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,400.00	0.00	322.79	1,400.00	-2.279.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,496.00	0.00	322.79	1,496.00	-2.183.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,500.00	0.00	322.79	1,500.00	-2.179.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,600.00	0.00	322.79	1,600.00	-2.079.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
Top Salt	1,700.00	0.00	322.79	1,700.00	-1.979.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,764.00	0.00	322.79	1,764.00	-1.915.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,800.00	0.00	322.79	1,800.00	-1.879.10	0.00	0.00	0.00	456,570.44	768,803.84	32.25304470	-103.59752344	0.00	0.00	0.00
	1,900.00	2.00	322.79	1,899.98	-1.779.12	-1.40	1.39	-1.06	456,571.83	768,802.78	32.25304854	-103.59752683	2.00	2.00	0.00
	2,000.00	4.00	322.79	1,999.84	-1.679.26	-5.59	5.56	-4.22	456,576.00	768,799.62	32.25306005	-103.59753697	2.00	2.00	0.00
	2,100.00	6.00	322.79	2,099.45	-1.579.65	-12.56	12.50	-9.49	456,582.94	768,794.35	32.25307923	-103.59755387	2.00	2.00	0.00
	2,100.09	6.00	322.79	2,099.54	-1.579.56	-12.57	12.51	-9.50	456,582.95	768,794.34	32.25307925	-103.59755388	2.00	2.00	0.00
	2,200.00	6.00	322.79	2,198.90	-1.480.20	-20.93	20.83	-15.81	456,591.26	768,788.03	32.25310224	-103.59757413	0.00	0.00	0.00
	2,300.00	6.00	322.79	2,298.36	-1.380.74	-29.30	29.15	-22.14	456,599.59	768,781.70	32.25312524	-103.59759440	0.00	0.00	0.00
	2,400.00	6.00	322.79	2,397.81	-1.281.29	-37.67	37.48	-28.46	456,607.92	768,775.38	32.25314825	-103.59761467	0.00	0.00	0.00
Nudge, Build 2"/100ft	2,500.00	6.00	322.79	2,497.26	-1.181.84	-46.04	45.81	-34.78	456,616.24	768,769.06	32.25317125	-103.59763494	0.00	0.00	0.00
	2,600.00	6.00	322.79	2,596.71	-1.082.39	-54.41	54.13	-41.11	456,624.57	768,762.73	32.25319426	-103.59765521	0.00	0.00	0.00
	2,700.00	6.00	322.79	2,696.16	-982.94	-62.78	62.46	-47.43	456,632.90	768,756.41	32.25321727	-103.59767548	0.00	0.00	0.00
	2,800.00	6.00	322.79	2,795.62	-883.48	-71.15	70.79	-53.75	456,641.22	768,750.09	32.25324027	-103.59769574	0.00	0.00	0.00
	2,900.00	6.00	322.79	2,895.07	-784.03	-79.52	79.11	-60.08	456,649.55	768,743.76	32.25326328	-103.59771601	0.00	0.00	0.00
	3,000.00	6.00	322.79	2,994.52	-684.58	-87.89	87.44	-66.40	456,657.88	768,737.44	32.25328629	-103.59773628	0.00	0.00	0.00
	3,100.00	6.00	322.79	3,093.97	-585.13	-96.26	95.77	-72.75	456,666.21	768,731.12	32.25330929	-103.59775655	0.00	0.00	0.00
	3,200.00	6.00	322.79	3,193.42	-485.68	-104.63	104.10	-79.05	456,674.53	768,724.79	32.25333230	-103.59777682	0.00	0.00	0.00
	3,300.00	6.00	322.79	3,292.87	-386.23	-113.00	112.42	-85.37	456,682.86	768,718.47	32.25335531	-103.59779708	0.00	0.00	0.00
	3,400.00	6.00	322.79	3,392.33	-286.77	-121.37	120.75	-91.69	456,691.19	768,712.15	32.25337831	-103.59781735	0.00	0.00	0.00
Hold	3,500.00	6.00	322.79	3,491.78	-187.32	-129.74	129.08	-98.02	456,699.51	768,705.83	32.25340132	-103.59783762	0.00	0.00	0.00
	3,600.00	6.00	322.79	3,591.23	-87.87	-138.11	137.40	-104.34	456,707.84	768,699.50	32.25342433	-103.59785789	0.00	0.00	0.00
	3,700.00	6.00	322.79	3,690.68	11.58	-146.48	145.73	-110.66	456,716.17	768,693.18	32.25344733	-103.59787816	0.00	0.00	0.00
	3,800.00	6.00	322.79	3,790.13	111.03	-154.85	154.06	-116.99	456,724.49	768,686.86	32.25347034	-103.59789843	0.00	0.00	0.00
	3,900.00	6.00	322.79	3,889.59	210.49	-163.22	162.38	-122.31	456,732.82	768,680.53	32.25349335	-103.59791869	0.00	0.00	0.00
	4,000.00	6.00	322.79	3,989.04	309.94	-171.59	170.71	-129.64	456,741.15	768,674.21	32.25351635	-103.59793896	0.00	0.00	0.00
	4,100.00	6.00	322.79	4,088.49	409.39	-179.96	179.04	-135.96	456,749.47	768,667.89	32.25353936	-103.59795923	0.00	0.00	0.00
	4,200.00	6.00	322.79	4,187.94	508.84	-188.33	187.37	-142.28	456,757.80	768,661.56	32.25356236	-103.59797950	0.00	0.00	0.00
	4,300.00	6.00	322.79	4,287.39	608.29	-196.70	195.69	-148.61	456,766.13	768,655.24	32.25358537	-103.59799977	0.00	0.00	0.00
	4,400.00	6.00	322.79	4,386.85	707.75	-205.07	204.02	-154.93	456,774.45	768,648.92	32.25360838	-103.59802004	0.00	0.00	0.00
Drop 2"/100ft	4,500.00	6.00	322.79	4,486.30	807.20	-213.44	212.35	-161.25	456,782.78	768,642.59	32.25363138	-103.59804030	0.00	0.00	0.00
	4,519.79	6.00	322.79	4,505.98	826.88	-215.10	213.99	-162.50	456,784.43	768,641.34	32.25363594	-103.59804432	0.00	0.00	0.00
	4,600.00	4.40	322.79	4,585.86	906.76	-220.91	219.78	-166.90	456,790.22	768,636.95	32.25365193	-103.59805841	2.00	-2.00	0.00
	4,700.00	2.40	322.79	4,685.68	1,006.58	-225.66	224.50	-170.48	456,794.94	768,632.56	32.25366497	-103.59806999	2.00	-2.00	0.00
	4,800.00	0.40	322.79	4,785.64	1,106.54	-227.61	226.45	-171.96	456,796.88	768,631.89	32.25367034	-103.59807462	2.00	-2.00	0.00
	4,819.88	0.00	322.79	4,805.52	1,126.42	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	2.00	-2.00	0.00
	4,900.00	0.00	322.79	4,885.64	1,206.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	5,000.00	0.00	322.79	4,985.64	1,306.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	5,099.36	0.00	322.79	5,085.00	1,405.90	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	5,100.00	0.00	322.79	5,085.64											

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°100ft)	BR (°100ft)	TR (°100ft)
Leonard	9,100.00	0.00	322.79	9,085.64	5,406.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,200.00	0.00	322.79	9,185.64	5,506.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,222.36	0.00	322.79	9,208.00	5,528.90	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,300.00	0.00	322.79	9,285.64	5,606.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,400.00	0.00	322.79	9,385.64	5,706.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
Avalon	9,439.36	0.00	322.79	9,425.00	5,745.90	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,500.00	0.00	322.79	9,485.64	5,806.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,600.00	0.00	322.79	9,585.64	5,906.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,700.00	0.00	322.79	9,685.64	6,006.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	9,800.00	0.00	322.79	9,785.64	6,106.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
1st BS SS	9,900.00	0.00	322.79	9,885.64	6,206.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,000.00	0.00	322.79	9,985.64	6,306.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,100.00	0.00	322.79	10,085.64	6,406.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,144.36	0.00	322.79	10,130.00	6,450.90	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,200.00	0.00	322.79	10,185.64	6,506.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
2nd BS SS	10,300.00	0.00	322.79	10,285.64	6,606.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,400.00	0.00	322.79	10,385.64	6,706.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,500.00	0.00	322.79	10,485.64	6,806.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,600.00	0.00	322.79	10,585.64	6,906.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,700.00	0.00	322.79	10,685.64	7,006.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
KOP, Build 10"/100ft	10,800.00	0.00	322.79	10,785.64	7,106.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,900.00	0.00	322.79	10,885.64	7,206.54	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,909.36	0.00	322.79	10,895.00	7,215.90	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	10,939.88	0.00	322.79	10,925.52	7,246.42	-227.67	226.50	-172.00	456,796.93	768,631.85	32.25367049	-103.59807476	0.00	0.00	0.00
	11,000.00	6.01	170.61	10,985.53	7,306.43	-224.55	223.39	-171.49	456,793.82	768,632.36	32.25366193	-103.59807316	10.00	10.00	0.00
3rd BS Carb	11,100.00	16.01	170.61	11,083.56	7,404.46	-205.71	204.57	-168.37	456,775.00	768,635.47	32.25361014	-103.59806351	10.00	10.00	0.00
	11,200.00	26.01	170.61	11,176.80	7,497.70	-169.34	169.24	-162.53	456,739.67	768,641.31	32.25351292	-103.59804540	10.00	10.00	0.00
	11,300.00	36.01	170.61	11,262.39	7,583.29	-119.52	118.47	-154.14	456,688.91	768,649.71	32.25337323	-103.59801937	10.00	10.00	0.00
	11,322.08	38.22	170.61	11,280.00	7,600.90	-106.36	105.33	-151.96	456,675.76	768,651.88	32.25333706	-103.59801263	10.00	10.00	0.00
	11,400.00	46.01	170.61	11,337.75	7,658.65	-54.79	53.81	-143.44	456,624.25	768,660.40	32.25319530	-103.59798621	10.00	10.00	0.00
Build 5"/100ft	11,500.00	56.01	170.61	11,400.59	7,721.49	21.89	-22.78	-130.78	456,547.66	768,673.07	32.25298455	-103.59794694	10.00	10.00	0.00
	11,600.00	66.01	170.61	11,448.99	7,769.89	108.17	-108.97	-116.52	456,461.48	768,687.32	32.25274738	-103.59790275	10.00	10.00	0.00
	11,689.88	75.00	170.61	11,478.95	7,799.85	191.77	-192.48	-102.71	456,377.97	768,701.13	32.25251760	-103.59785994	10.00	10.00	0.00
	11,700.00	75.51	170.61	11,481.53	7,802.43	202.13	-202.13	-106.38	456,368.32	768,702.73	32.25249103	-103.59785498	5.00	5.00	0.00
	11,800.00	80.51	170.61	11,502.31	7,823.21	298.02	-298.61	-85.16	456,271.84	768,716.68	32.25222556	-103.59785038	5.00	5.00	0.00
Landing Point	11,900.00	85.51	170.61	11,514.48	7,835.38	396.02	-396.50	-69.97	456,173.95	768,734.87	32.25195618	-103.59775353	5.00	5.00	0.00
	11,993.48	90.18	170.61	11,518.00	7,838.90	488.26	-488.64	-53.74	456,081.82	768,750.10	32.25170265	-103.59770809	5.00	5.00	0.00
	12,000.00	90.18	170.61	11,517.97	7,838.87	494.70	-495.07	-52.67	456,075.39	768,751.17	32.25168495	-103.59770479	0.00	0.00	0.00
	12,093.48	90.18	170.61	11,517.68	7,838.58	587.03	-587.30	-37.42	455,983.16	768,766.42	32.25143117	-103.59765750	0.00	0.00	0.00
	12,100.00	90.18	170.74	11,517.66	7,838.56	593.47	-593.73	-36.37	455,976.73	768,767.48	32.25141347	-103.59765423	2.00	2.00	0.00
Turn 2"/100ft	12,200.00	90.18	172.74	11,517.35	7,838.25	692.52	-692.69	-22.00	455,877.77	768,781.84	32.25114121	-103.59760996	2.00	0.00	2.00
	12,300.00	90.18	174.74	11,517.03	7,837.93	791.99	-792.09	-11.10	455,778.38	768,792.74	32.25086780	-103.59757690	2.00	0.00	2.00
	12,400.00	90.18	176.74	11,516.72	7,837.62	891.76	-891.80	-3.67	455,678.67	768,800.17	32.25059357	-103.59755509	2.00	0.00	2.00
	12,500.00	90.18	178.74	11,516.41	7,837.31	991.70	-991.72	0.27	455,578.75	768,804.11	32.25031887	-103.59754455	2.00	0.00	2.00
	12,543.44	90.18	179.61	11,516.27	7,837.17	1,035.14	-1,035.16	0.90	455,535.32	768,804.74	32.25019948	-103.59754349	2.00	0.00	2.00
Hold	12,600.00	90.18	179.61	11,516.10	7,837.00	1,091.70	-1,091.71	1.28	455,478.76	768,805.12	32.25004401	-103.59754350	0.00	0.00	0.00
	12,700.00	90.18	179.61	11,515.79	7,836.69	1,191.70	-1,191.71	1.96	455,378.77	768,805.80	32.24976915	-103.59754351	0.00	0.00	0.00
	12,800.00	90.18	179.61	11,515.47	7,836.37	1,291.70	-1,291.71	2.65	455,278.77	768,806.49	32.24949429	-103.59754352	0.00	0.00	0.00
	12,900.00	90.18	179.61	11,515.16	7,836.06	1,391.70	-1,391.71	3.33	455,178.78	768,807.17	32.24921943	-103.59754353	0.00	0.00	0.00
	13,000.00	90.18	179.61	11,514.85	7,835.75	1,491.70	-1,491.70	4.01	455,078.79	768,807.86	32.24894456	-103.59754354	0.00	0.00	0.00
Hold	13,100.00	90.18	179.61	11,514.54	7,835.44	1,591.70	-1,591.70	4.69	454,978.79	768,808.53	32.24866970	-103.59754355	0.00	0.00	0.00
	13,200.00	90.18	179.61	11,514.23	7,835.13	1,691.70	-1,691.70	5.37	454,878.80	768,809.21	32.24839484	-103.59754356	0.00	0.00	0.00
	13,300.00	90.18	179.61	11,513.92	7,834										

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)
	21,000.00	90.18	179.61	11,489.98	7,810.88	9,491.66	-9,491.48	58.57	447,079.28	768,862.41	32.22695550	-103.59754433	0.00	0.00	0.00
	21,100.00	90.18	179.61	11,489.67	7,810.57	9,591.66	-9,591.48	59.25	446,979.29	768,863.09	32.22668064	-103.59754434	0.00	0.00	0.00
	21,200.00	90.18	179.61	11,489.36	7,810.26	9,691.66	-9,691.47	59.93	446,879.29	768,863.77	32.22640578	-103.59754435	0.00	0.00	0.00
	21,300.00	90.18	179.61	11,489.05	7,809.95	9,791.66	-9,791.47	60.62	446,779.30	768,864.45	32.22613091	-103.59754436	0.00	0.00	0.00
	21,400.00	90.18	179.61	11,488.74	7,809.64	9,891.66	-9,891.47	61.30	446,679.31	768,865.14	32.22585605	-103.59754436	0.00	0.00	0.00
	21,500.00	90.18	179.61	11,488.42	7,809.32	9,991.66	-9,991.46	61.98	446,579.31	768,865.82	32.22558119	-103.59754437	0.00	0.00	0.00
	21,600.00	90.18	179.61	11,488.11	7,809.01	10,091.65	-10,091.46	62.66	446,479.32	768,866.50	32.22530632	-103.59754438	0.00	0.00	0.00
Tres Equis 5-8 State Com 302H -	21,636.56	90.18	179.61	11,488.00	7,808.90	10,128.21	-10,128.02	62.91	446,442.76	768,866.75	32.22520583	-103.59754439	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	10,900.000	1/100,000 '5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Tres Equis 5-8 State Com 302H / Coterra Tres Equ
	1	10,900.000	21,636.560	1/100,000	8.75 – 6	7 – 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 302H / Coterra Tres Equ

EOU Geometry:

End MD (ft)	Hole Size (in)	Casing Size (in)	Name
1,365.000	17.500	13.375	
4,999.000	12.250	9.625	
11,816.000	8.750	7.000	
21,636.560	6.000	5.000	

1. Geological Formations

TVD of target

Pilot Hole TD N/A

MD at TD

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1247	N/A	
Top of Salt	1764	N/A	
Base of Salt/Lamar	5085	N/A	
Top Delaware Sands/Bell Canyon	5135	N/A	
Cherry Canyon	6419	N/A	
Brushy Canyon	7483	N/A	
Bone Spring Lime	9018	N/A	
Leonard	9208	N/A	
Avalon	9425	N/A	
1st Bone Spring Sand	10130	Hydrocarbons	
2nd Bone Spring Sand	10895	Hydrocarbons	
3rd Bone Spring Carbonate	11280	Hydrocarbons	
2nd Bone Spring Sand - Target	11518	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	2.92	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	10940	10940	5-1/2"	20.00	P-110	BT&C	2.10	2.34	2.79
8 3/4	10940	21637	11488	5-1/2"	20.00	P-110	BT&C	2.00	2.22	58.49
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 302H

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

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	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		10.30	3.64	22.18		Lead: Tuned Light + LCM
		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	3M	Annular	X	50% of working pressure
			Blind Ram		3M
			Pipe Ram		
			Double Ram	X	
			Other		
8 3/4	13 5/8	5M	Annular	X	50% of working pressure
			Blind Ram		5M
			Pipe Ram	X	
			Double Ram	X	
			Other		

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

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	7.80 - 8.30	28	N/C
1372' to 5115'	Brine Water	9.80 - 10.30	30-32	N/C
5115' to 21637'	OBM	8.80 - 9.30	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	5555 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**

A multi-bowl wellhead system will be utilized.

After running the 13-3/8" surface casing, a 13 5/8" BOP/BOPE system with a minimum working pressure of 5000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5000 psi test. Annular will be tested to 50% of working pressure. The pressure test will be repeated at least every 30 days, as per Onshore Order No. 2.

The multi-bowl wellhead will be installed by vendor's representative. A copy of the installation instructions has been sent to the BLM field office.

The wellhead will be installed by a third-party welder while being monitored by the wellhead vendor representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi.

All casing strings will be tested as per Onshore Order No.2 to atleast 0.22 psi/ft or 1,500 whichever is greater and not to exceed 70% of casing burst.

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

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 302H	NENW Sec 5 T24S, R33E	327FNL/ 1658FWL	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 302H		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)

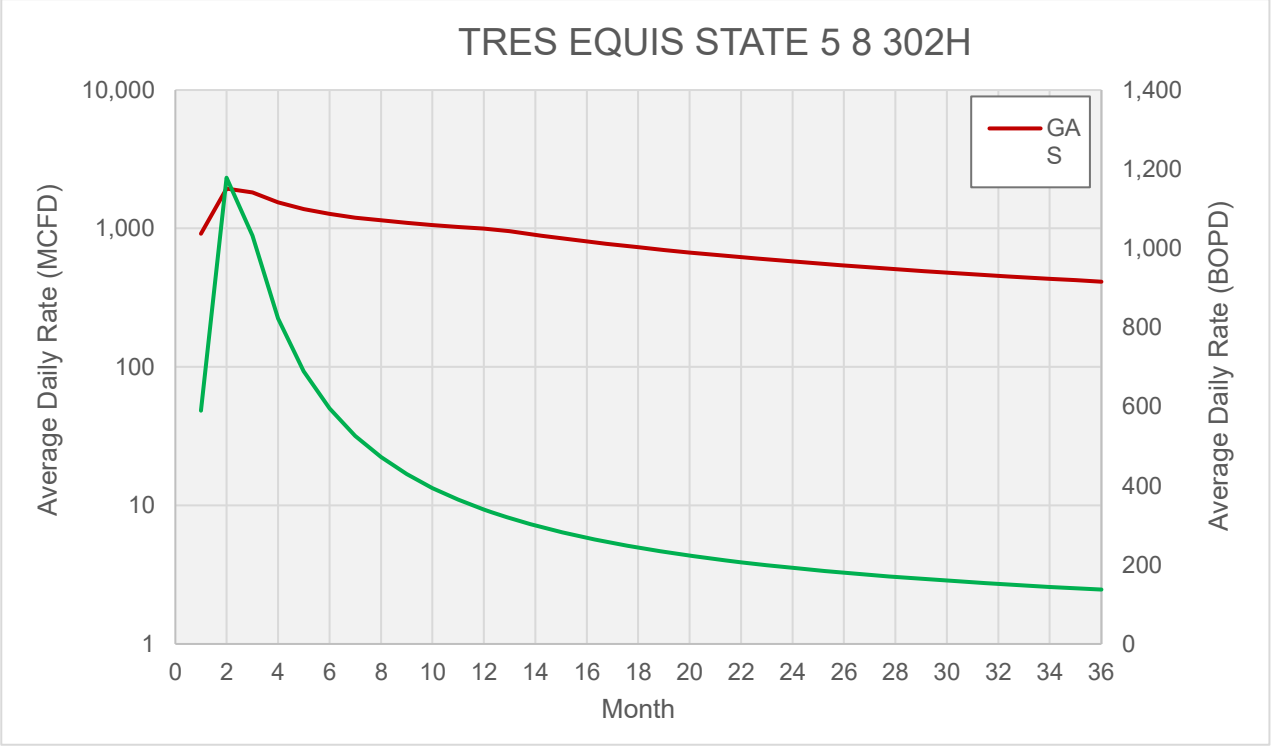
Approved By:
Title:
Approval Date:
Conditions of Approval:

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 302H	TRES EQUIS STATE 5 8 302H
Labels	GAS MCFD	OIL BOPD
1	912	589
2	1,945	1,178
3	1,814	1,031
4	1,542	822
5	1,377	689
6	1,268	595
7	1,194	526
8	1,142	472
9	1,097	429
10	1,054	394
11	1,020	364
12	995	339
13	953	318
14	897	299
15	848	283
16	804	268
17	765	255
18	730	243
19	698	233
20	669	223
21	643	214
22	619	206
23	596	199
24	576	192
25	557	186
26	539	180
27	522	174
28	507	169
29	492	164
30	479	160
31	466	155
32	454	151
33	443	148
34	432	144
35	421	140
36	412	137

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 302H
OGRID No. 215099	Operator Name COTERRA ENERGY OPERATING CO.	Ground Level Elevation 3656.1'
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 1658 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597523°	County LEA
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Bottom Hole Location

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Dedicated Acres 319.82	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 C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 100 NORTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.253670°	Longitude (NAD 83) -103.597541°	County LEA
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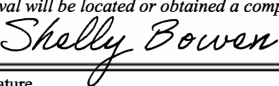
First Take Point (FTP)

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

UL N	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 1652 WEST	Latitude (NAD 83) 32.225206°	Longitude (NAD 83) -103.597544°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.1
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  10/7/2025 Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
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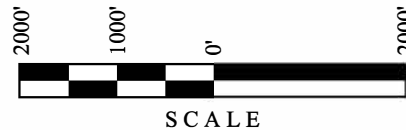
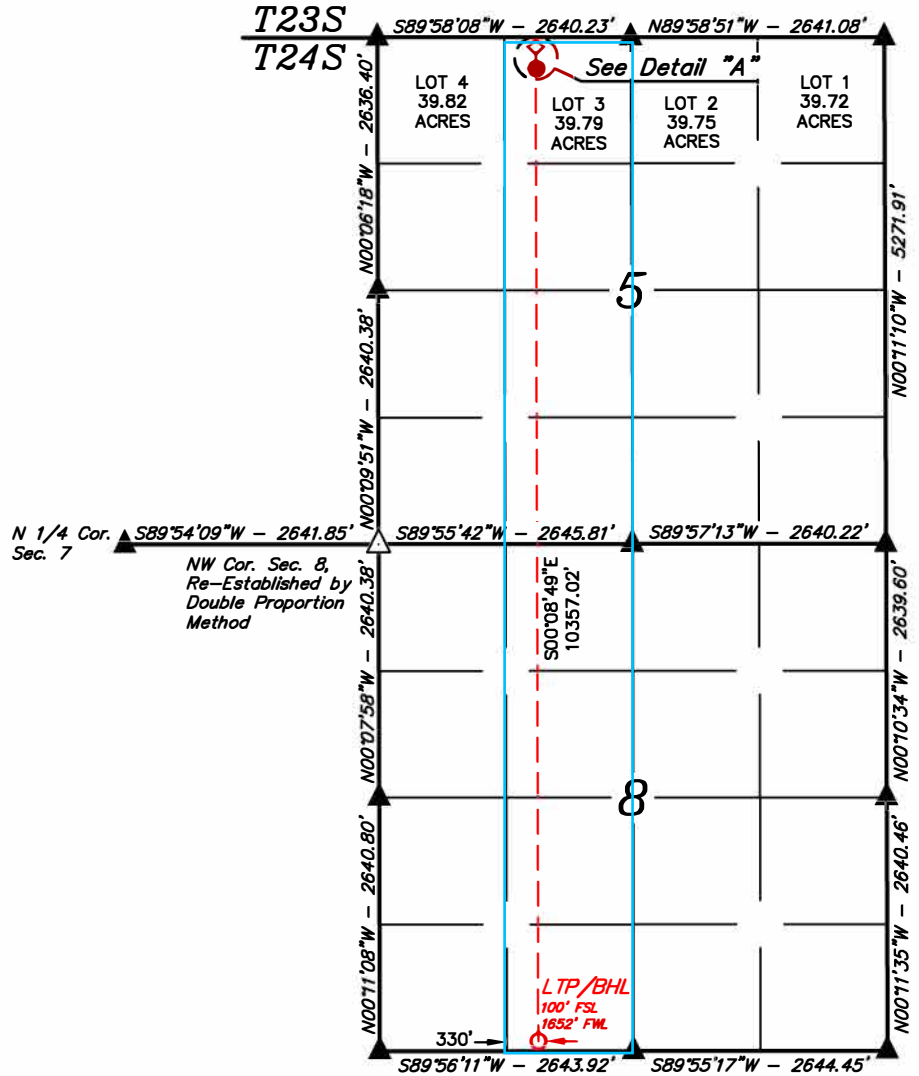
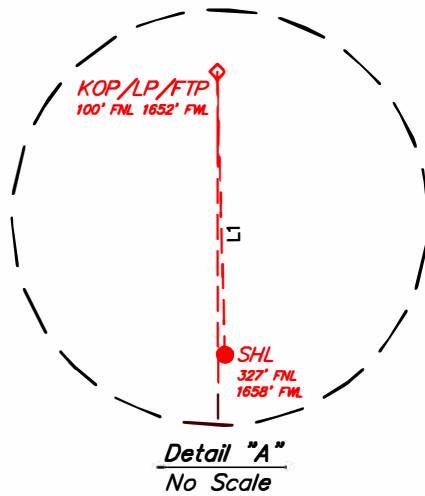
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 302H	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	N01°32'01"W	227.47'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.96" (32.253045°)
LONGITUDE = -103°35'51.08" (-103.597523°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.52" (32.252921°)
LONGITUDE = -103°35'49.35" (-103.597043°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456570.44' E: 768803.84'
STATE PLANE NAD 27 (N.M. EAST)
N: 456511.35' E: 727620.07'

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

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