

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 399510

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 30-025-55404
5. Property Name TRES EQUIS 5 8 STATE COM		6. Well No. 301H

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	L 3	327	N	1618	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	8	24S	33E	M	100	S	330	W	Lea

9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
----------------------------	-------

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

--

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 30-025-55404	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code 336378	Property Name TRES EQUIS 5 8 STATE COM	Well Number 301H
OGRID No. 215099	Operator Name COTTERA 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 1618 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597653°	County LEA
---------	--------------	-----------------	--------------	----------	---------------------------	---------------------------	---------------------------------	------------------------------------	---------------

Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
---------	--------------	-----------------	--------------	-----	---------------------------	--------------------------	---------------------------------	------------------------------------	---------------

Dedicated Acres 319.79	Infill or Defining Well Infill	Defining Well API 30-025-53707	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 352H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
---------	--------------	-----------------	--------------	-----	---------------------------	--------------------------	---------------------------------	------------------------------------	---------------

Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.1
--	--	-----------------------------------

OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Shelly Bowen</i> 10/7/2025 Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address		SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey	
--	--	---	--

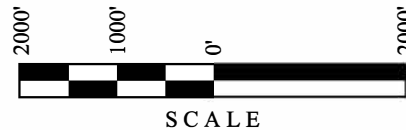
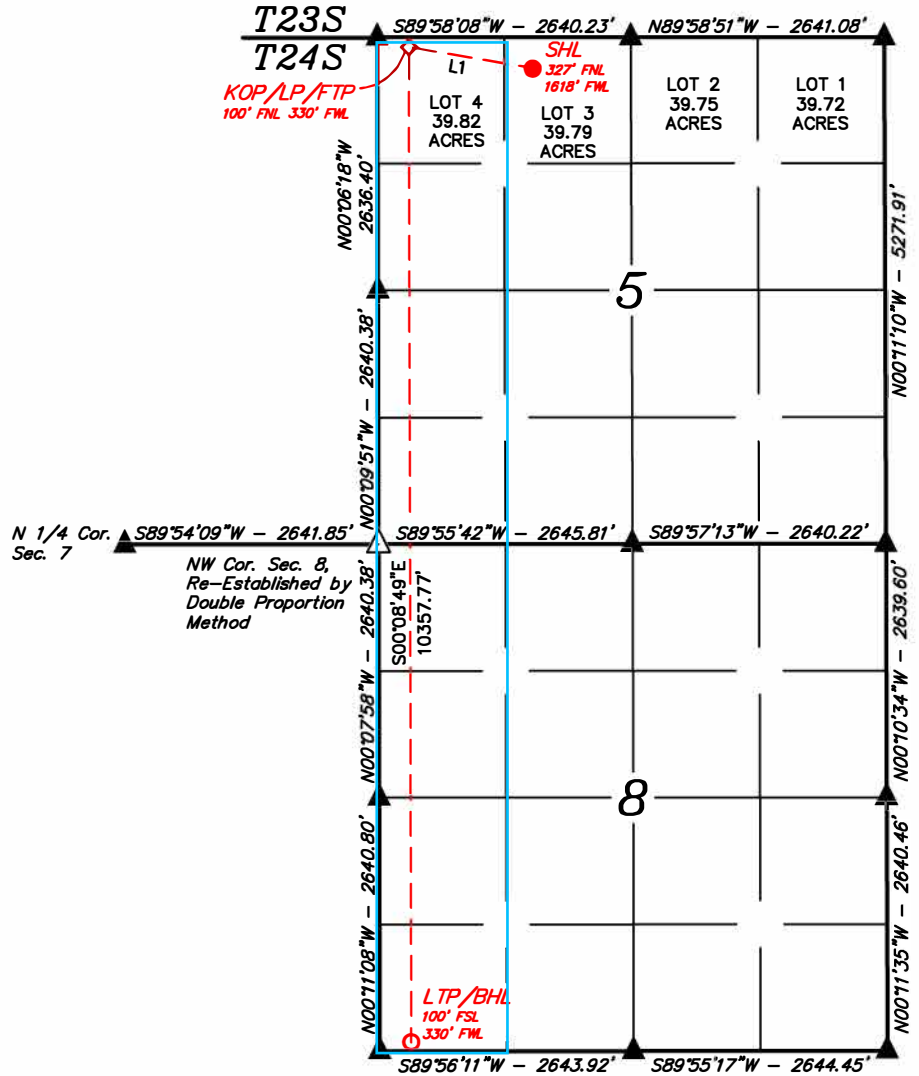
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 301H	Drawn By T.I.R. 09-25-25	Revised By
---	---------------------	-----------------------------	------------

- = 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	N80°01'07"W	1307.88'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.96" (32.253045°)
LONGITUDE = -103°35'51.55" (-103.597653°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.52" (32.252921°)
LONGITUDE = -103°35'49.82" (-103.597172°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456570.25' E: 768763.85'
STATE PLANE NAD 27 (N.M. EAST)
N: 456511.16' E: 727580.08'

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

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

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

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

Form APD Conditions

Permit 399510

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55404
	Well: TRES EQUIS 5 8 STATE COM #301H

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

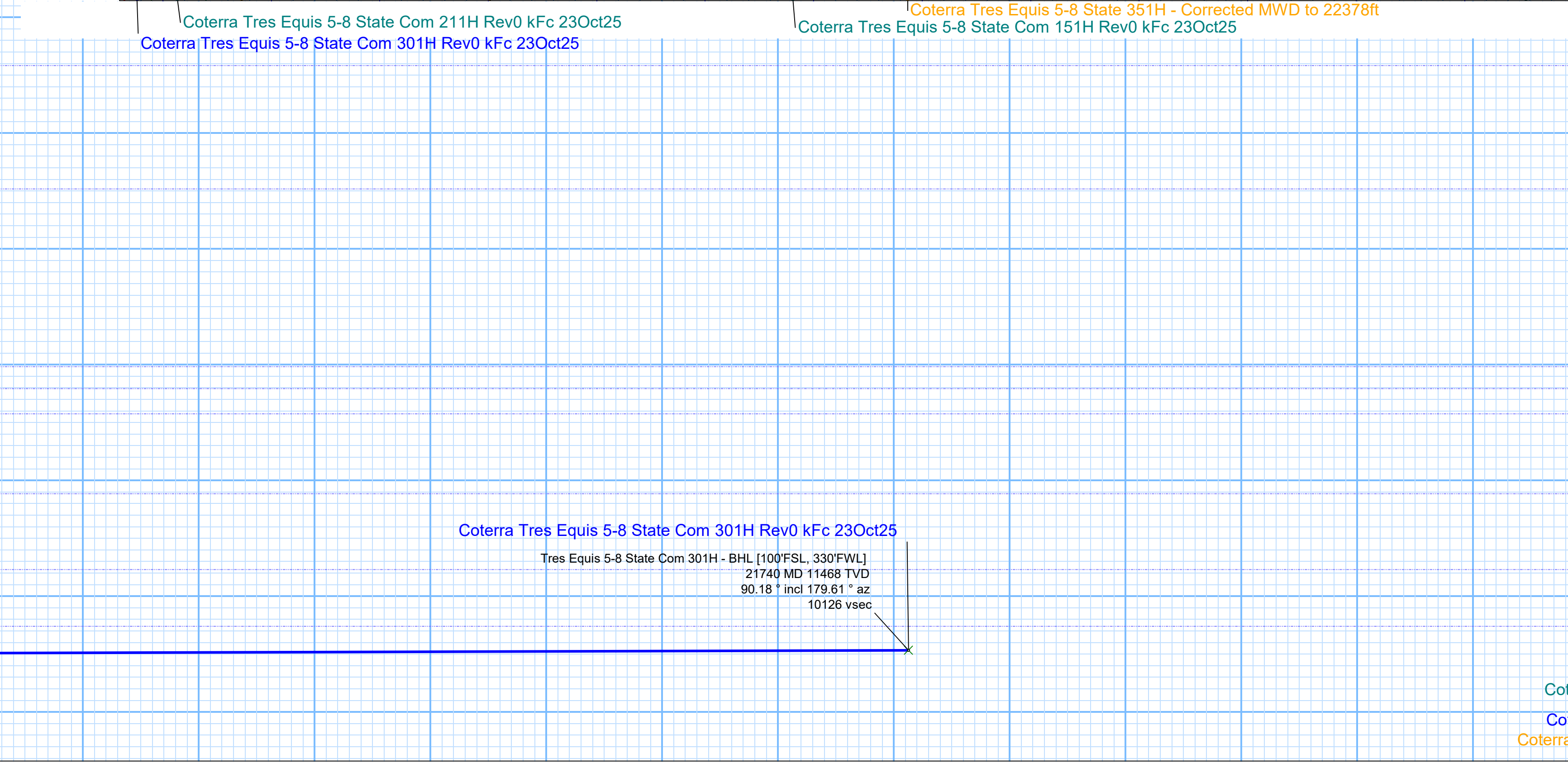
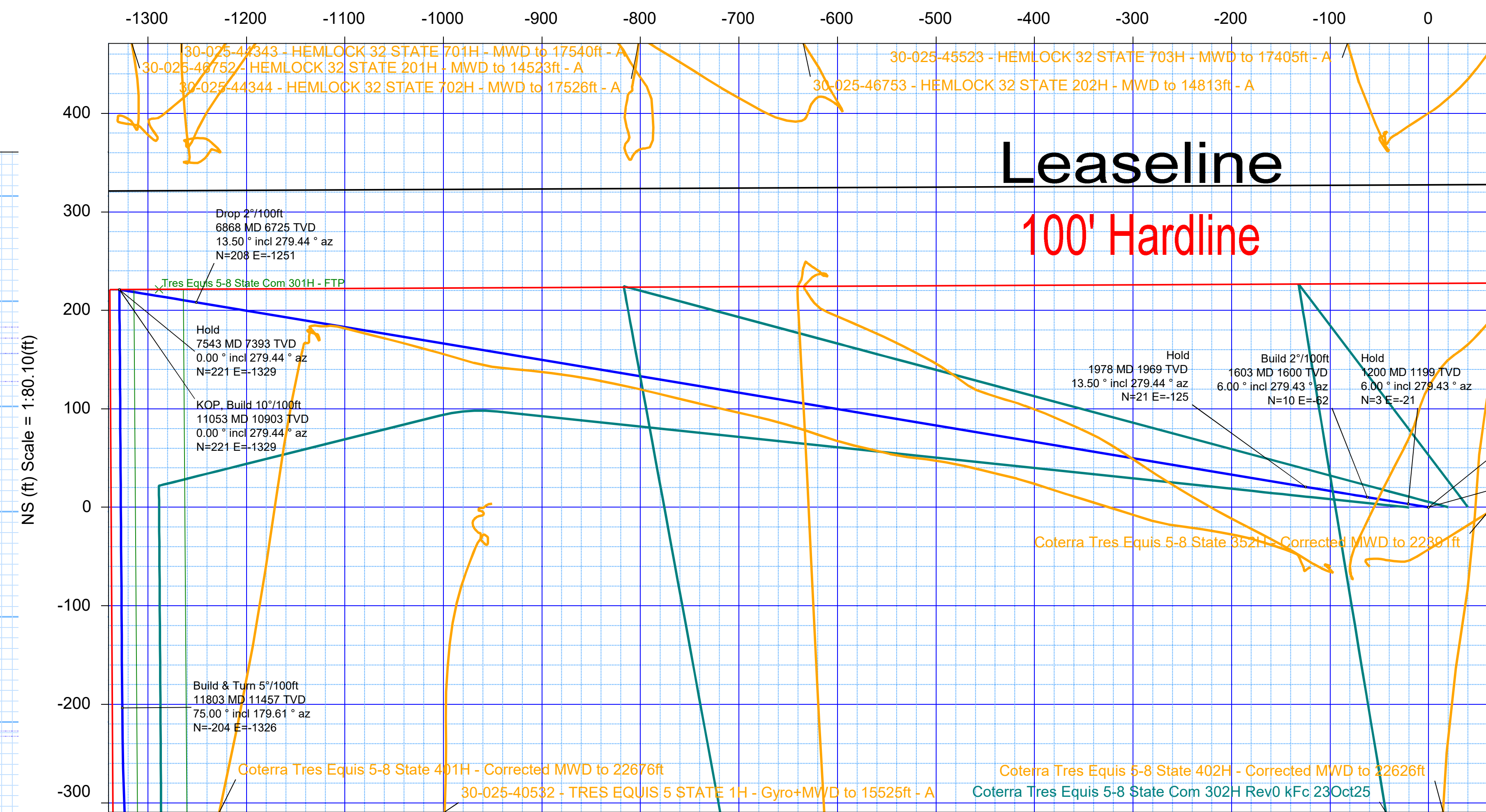


Borehole:	Well:	Field:	Structure:
Tres Equis 5-8 State Com 301H	Tres Equis 5-8 State Com 301H	NM Lea County (NAD 83)	Coterra - Tres Equis 5-8 State Pad Lot 3

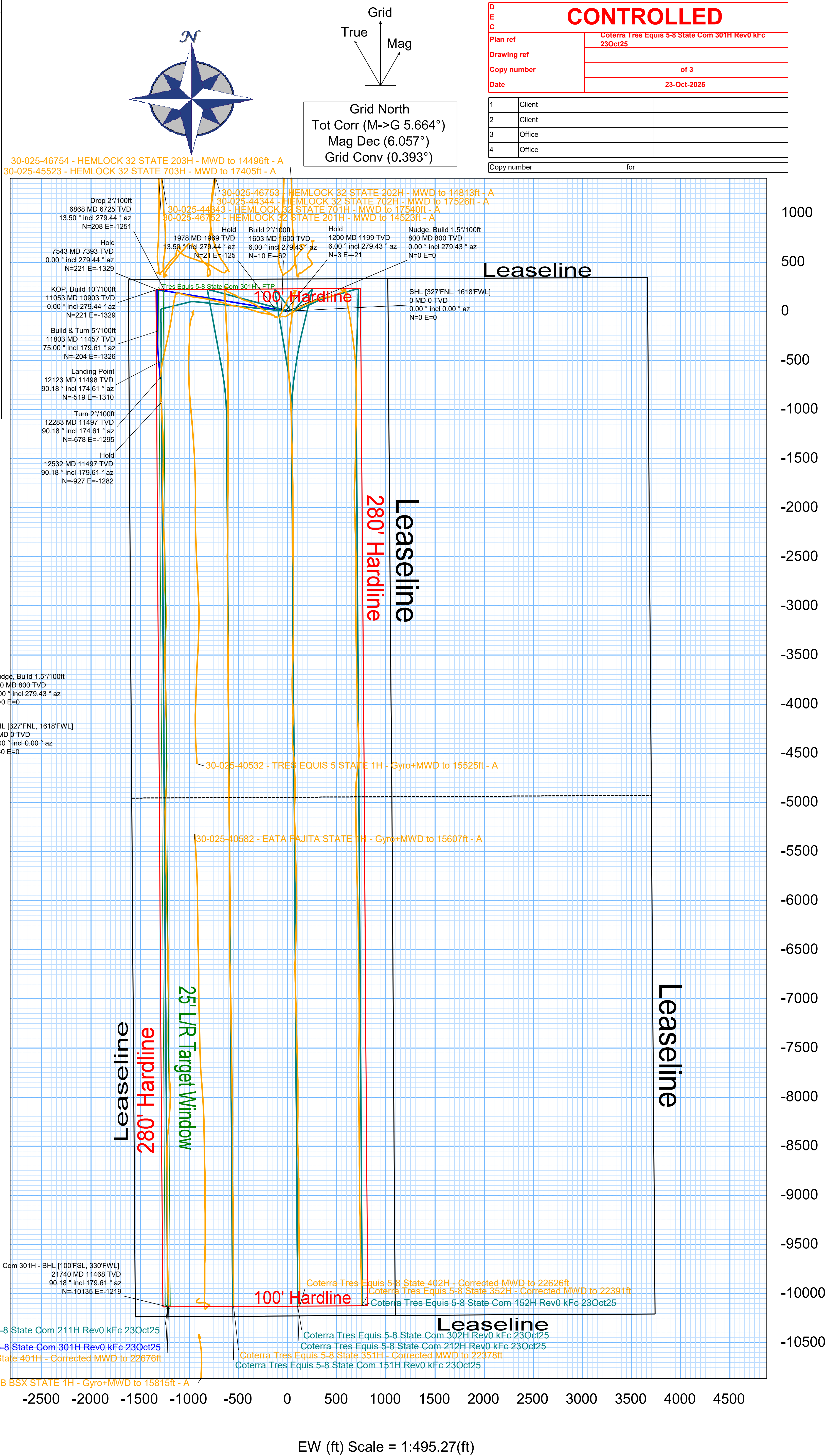
Gravity & Magnetic Parameters				Surface Location				NAD83 New Mexico State Plane, Eastern Zone, US Feet				Miscellaneous			
Model:	HDGM 2025	Dip:	59.731°	Date:	23-Oct-2025	Lat:	N 32 15 10.96	Northing:	456570.25ftUS	Grid Conv:	0.3926°	Slot:	Tres Equis 5-8 State	TVD Ref:	RKB (3679.100 ft above MSL)
MagDec:	6.057°	FS:	47180.54nT	Gravity FS:	998.438mgn (9.80665 Based)	Lon:	W 103 35 51.55	Easting:	768763.85ftUS	Scale Fact:	0.99996833	Plan:	Com 301H	Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25	

Critical Point	MD	INCL	AZIM	TVD	VSEC	N(+)S(-)	E(+)W(-)	DLS
SHL [327°FNL, 1618°FWL]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge, Build 1.5°/100ft	800.00	0.00	279.43	800.00	0.00	0.00	0.00	0.00
Hold	1200.00	6.00	279.43	1199.27	-3.57	3.43	-20.64	1.50
Rustler	1247.99	6.00	279.43	1247.00	-4.42	4.25	-25.59	0.00
A3 Top	1353.57	6.00	279.43	1352.00	-6.31	6.06	-36.48	0.00
A3 Base	1498.37	6.00	279.43	1496.00	-8.89	8.54	-51.41	0.00
Build 2°/100ft	1602.94	6.00	279.43	1600.00	-10.75	10.33	-62.19	0.00
Top Salt	1768.44	9.31	279.44	1764.00	-14.51	13.94	-83.94	2.00
Hold	1977.89	13.50	279.44	1969.28	-21.58	20.73	-124.78	2.00
Lamar	5182.14	13.50	279.44	5085.00	-149.31	143.44	-862.62	0.00
Bell Canyon	5233.56	13.50	279.44	5135.00	-151.36	145.41	-874.46	0.00
Cherry Canyon	6554.04	13.50	279.44	6419.00	-203.99	195.98	-1178.52	0.00
Drop 2°/100ft	6868.48	13.50	279.44	6724.75	-216.53	208.02	-1250.93	0.00
Hold	7543.43	0.00	279.44	7393.48	-230.04	221.00	-1329.00	2.00
Brushy Canyon	7632.95	0.00	279.44	7483.00	-230.04	221.00	-1329.00	0.00
Bone Spring Lime	9167.95	0.00	279.44	9018.00	-230.04	221.00	-1329.00	0.00
Leonard	9357.95	0.00	279.44	9208.00	-230.04	221.00	-1329.00	0.00
Avalon	9574.95	0.00	279.44	9425.00	-230.04	221.00	-1329.00	0.00
1st BS SS	10264.95	0.00	279.44	10115.00	-230.04	221.00	-1329.00	0.00
2nd BS SS	10919.95	0.00	279.44	10770.00	-230.04	221.00	-1329.00	0.00
KOP, Build 10°/100ft	11053.43	0.00	279.44	10903.48	-230.04	221.00	-1329.00	0.00
3rd BS Carb	11438.24	38.48	179.61	11260.00	-105.61	96.57	-1328.15	10.00
Build & Turn 5°/100ft	11803.43	75.00	179.61	11456.91	194.62	-203.66	-1326.11	10.00
Landing Point	12122.72	90.18	174.61	11498.00	509.91	-518.84	-1309.96	5.00
Turn 2°/100ft	12282.72	90.18	174.61	11497.50	669.30	-678.13	-1294.93	0.00
Hold	12532.49	90.18	179.61	11496.71	918.74	-927.49	-1282.33	2.00
Tres Equis 5-8 State Com 301H - BHL [100°FSL, 330°FWL]	21740.09	90.18	179.61	11468.00	10126.30	-10134.83	-1218.90	0.00

EW (ft) Scale = 1:80.10(ft)



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



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



Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2025 - 03:01 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 301H
Well: Tres Equis 5-8 State Com 301H
Borehole: Tres Equis 5-8 State Com 301H
Scan MD Range: 0.00ft ~ 21740.09ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Tres Equis 5-8 State Com 301H 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 301H-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

18 out of 37 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.

30-025-44343 - HEMLOCK 32 STATE 701H - MWD to 17540ft - A (DefinitiveSurvey) - **Fail Minor**

1208.60	32.81	1205.20	1175.79	853.06			0.00	0.00				MinPts
1208.61	32.81	1205.21	1175.80	853.04			23.00	23.00				WRP
1210.75	32.81	1203.93	1177.94	249.84			550.00	550.00				MinPt-EOU
309.78	94.71	246.10	215.07	4.97		OSF 5.00	5880.00	5763.58	OSF<=5.00			Enter Alert
163.63	121.69	81.96	41.94	2.02		OSF 5.00	6990.00	6843.48				MinPt-CtCt
163.82	122.25	81.78	41.57	2.02		OSF 5.00	7030.00	6882.79				MinPt-EOU
163.93	122.38	81.81	41.55	2.02		OSF 5.00	7040.00	6892.63				MinPt-ADP
164.21	122.64	81.92	41.58	2.02		OSF 5.00	7060.00	6912.34				MinPt-SF
175.40	128.62	89.11	46.78	2.05		OSF 5.00	7630.00	7480.05				MinPt-EOU
172.55	144.31	75.80	28.24	1.80		OSF 5.00	8950.00	8800.05				MinPt-CtCt
170.63	154.07	67.38	16.56	1.66		OSF 5.00	9640.00	9490.05				MinPt-CtCt
162.26	162.37	53.48	-0.11	1.50		OSF 1.50	10240.00	10090.05	OSF<=1.50			Enter Minor
149.75	173.73	33.39	-23.98	1.29		OSF 1.50	11060.38	10910.42				MinPts
149.82	173.81	33.41	-23.99	1.29		OSF 1.50	11070.00	10920.04				MinPts
174.84	175.76	57.13	-0.92	1.49		OSF 1.50	11240.00	11086.77		OSF>1.50		Exit Minor
593.64	179.78	473.29	413.86	4.98		OSF 5.00	11840.00	11465.84	OSF>5.00			Exit Alert
10485.81	190.78	10358.12	10295.03	83.09			21740.09	11468.00				TD

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

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	16.39	11.04	3.60	2.44		CtCt 15.00m	800.00	800.00				MinPts
20.20	16.39	10.86	3.80	2.35		CtCt 15.00m	840.00	840.00				MinPt-EOU
21.04	16.39	11.22	4.64	2.32		CtCt 15.00m	890.00	889.99				MinPt-SF
74.16	22.99	58.50	51.16	4.99		OSF 5.00	1520.00	1517.52	OSF>5.00			Exit Alert
133.85	40.90	106.26	92.95	4.99		OSF 5.00	2720.00	2690.88	OSF<=5.00			Enter Alert
132.35	54.50	95.69	77.86	3.68		OSF 5.00	3530.00	3478.50				MinPt-CtCt
133.89	68.86	87.65	65.03	2.94		OSF 5.00	4310.00	4236.95				MinPt-EOU
134.19	69.24	87.71	64.95	2.93		OSF 5.00	4330.00	4256.40				MinPt-ADP
135.81	70.35	88.58	65.46	2.92		OSF 5.00	4390.00	4314.74				MinPt-SF
300.55	91.07	239.50	209.47	4.99		OSF 5.00	5800.00	5685.79	OSF>5.00			Exit Alert
512.01	148.73	412.53	363.28	5.19			9890.00	9740.05				MinPts
512.19	148.82	412.65	363.37	5.19			9920.00	9770.05				MinPt-SF
1327.42	105.71	1256.63	1221.72	19.00			12130.00	11497.98				MinPt-EOU
1327.55	105.85	1256.66	1221.70	18.98			12140.00	11497.94				MinPt-ADP
1363.25	353.04	1127.56	1010.21	5.80			21740.09	11468.00				MinPts

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

20.00	16.40	16.71	3.60	9.36		CtCt 15.00m	0.00	0.00	CtCt<=15.00m			Enter Alert
20.00	16.40	16.71	3.60	9.36		CtCt 15.00m	23.00	23.00				WRP
20.00	16.40	12.96	3.60	3.25		CtCt 15.00m	600.00	600.00				MinPts
20.21	16.40	12.79	3.81	3.09		CtCt 15.00m	640.00	640.00				MinPt-EOU
21.56	16.40	13.49	5.16	2.99		CtCt 15.00m	710.00	710.00				MinPt-SF
47.07	19.71	33.51	27.37	3.73		OSF 5.00	1290.00	1288.78				MinPt-SF
107.78	86.52	49.77	21.26	1.87		OSF 5.00	5180.00	5082.92				MinPt-ADP
109.28	87.85	50.39	21.43	1.87		OSF 5.00	5240.00	5141.26				MinPt-SF
189.70	134.32	99.83	55.38	2.12		OSF 5.00	6860.00	6716.51				MinPt-CtCt
190.14	136.23	98.99	53.91	2.10		OSF 5.00	6950.00	6804.28				MinPt-EOU
190.41	136.57	99.04	53.84	2.10		OSF 5.00	6970.00	6823.87				MinPt-ADP
190.96	137.05	99.27	53.91	2.09		OSF 5.00	7000.00	6853.30				MinPt-SF
203.11	177.76	84.27	25.34	1.72		OSF 5.00	10450.00	10300.05				MinPts
474.95	145.36	377.72	329.59	4.92		OSF 5.00	11170.00	11019.24	OSF>5.00			Exit Alert
604.38	101.78	536.20	502.60	8.98			12320.00	11497.38				MinPt-CtCt
608.77	183.49	486.11	425.28	5.00		OSF 5.00	16280.00	11485.03	OSF<=5.00			Enter Alert
614.89	348.59	382.17	266.30	2.65		OSF 5.00	21740.09	11468.00				MinPts

Coterra Tres Equis 5-8 State Com 302H 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
43.72	32.39	33.14	11.33	4.56		CtCt 15.00m	970.00	969.94				MinPt-SF
56.77	32.39	44.34	24.38	4.98		OSF 5.00	1160.00	1159.47	OSF>5.00			Exit Alert
1197.00	165.29	1086.48	1031.72	10.92			11070.00	10920.04				MinPt-CtCt

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

1197.01	165.30	1086.48	1031.71	10.92			11080.00	10930.04				MinPts
1321.97	372.93	1073.03	949.05	5.33			21740.09	11468.00				MinPts

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

84.85	32.81	82.15	52.04	59.08			0.00	0.00				Surface
84.85	32.81	82.15	52.04	59.08			23.00	23.00				WRP
84.84	32.81	81.94	52.03	51.81			150.00	150.00				MinPts
84.53	32.81	79.43	51.72	21.81			440.00	440.00				MinPts
60.31	32.81	47.10	27.50	4.95		OSF 5.00	1280.00	1278.83	OSF<=5.00			Enter Alert
60.16	32.81	46.85	27.35	4.90		OSF 5.00	1290.00	1288.78				MinPt-EOU
59.87	32.81	46.35	27.06	4.72		OSF 5.00	1333.17	1331.71				MinPts
59.91	32.81	46.23	27.10	4.66		OSF 5.00	1350.00	1348.45				MinPt-EOU
60.08	32.81	46.27	27.27	4.61		OSF 5.00	1370.00	1368.34				MinPt-EOU
63.22	32.81	48.32	30.41	4.47		OSF 5.00	1480.00	1477.74				MinPt-SF
82.22	32.81	64.95	49.41	4.99		OSF 5.00	1720.00	1716.14	OSF>5.00			Exit Alert
1873.85	140.09	1780.13	1733.76	20.20			9410.00	9260.05				MinPt-CiCt
1874.11	152.24	1772.29	1721.87	18.58			10260.00	10110.05				MinPt-CiCt
1874.73	153.94	1771.77	1720.79	18.37			10390.00	10240.05				MinPt-EOU
1875.87	155.29	1772.01	1720.58	18.23			10490.00	10340.05				MinPt-ADP
1876.43	155.86	1772.20	1720.58	18.16			10530.00	10380.05				MinPt-ADP
1906.88	166.09	1795.82	1740.79	17.32			11490.00	11299.01				MinPt-SF
2127.15	170.46	2013.19	1956.69	18.82			12430.00	11497.03				MinPt-CiCt
2127.17	170.51	2013.17	1956.66	18.81			12440.00	11497.00				MinPt-EOU
2127.21	170.55	2013.18	1956.66	18.81			12450.00	11496.97				MinPt-ADP
2116.27	173.84	2000.05	1942.43	18.36			12960.00	11495.38				MinPt-CiCt
2103.49	178.64	1984.07	1924.86	17.75			13470.00	11493.79				MinPt-CiCt
2103.60	178.91	1984.00	1924.89	17.73			13500.00	11493.70				MinPt-EOU
2103.68	179.00	1984.01	1924.67	17.72			13510.00	11493.67				MinPt-ADP
2113.60	191.52	1985.59	1922.08	16.63			14440.00	11490.77				MinPt-CiCt
2113.71	191.89	1985.45	1921.82	16.60			14470.00	11490.67				MinPt-EOU
2112.79	195.86	1981.89	1916.93	16.25			14710.00	11489.92				MinPt-CiCt
2113.93	199.62	1980.52	1914.31	15.96			14940.00	11489.21				MinPt-EOU
2116.40	205.25	1979.24	1911.15	15.53			15250.00	11488.24				MinPt-EOU
2116.78	205.73	1979.30	1911.06	15.50			15280.00	11488.15				MinPt-ADP
2122.37	213.86	1979.47	1908.51	14.95			15690.00	11486.87				MinPt-CiCt
2122.52	214.31	1979.32	1908.21	14.92			15720.00	11486.77				MinPt-EOU
2122.76	214.61	1979.36	1908.15	14.90			15740.00	11486.71				MinPt-ADP
2104.59	234.92	1947.65	1869.68	13.49			16690.00	11483.75				MinPt-CiCt
2106.46	240.54	1945.78	1865.92	13.18			16950.00	11482.94				MinPt-EOU
2110.68	247.58	1945.29	1863.10	12.83			17250.00	11482.00				MinPt-EOU
2112.97	250.92	1945.36	1862.05	12.68			17390.00	11481.57				MinPt-EOU
2113.83	251.94	1945.54	1861.89	12.63			17440.00	11481.41				MinPt-ADP
2122.15	269.53	1942.13	1852.62	11.85			18130.00	11479.26				MinPt-CiCt
2122.49	276.71	1937.69	1845.78	11.54			18410.00	11478.38				MinPt-CiCt
2122.88	277.89	1937.25	1844.99	11.49			18470.00	11478.20				MinPt-EOU
2123.20	278.28	1937.35	1844.92	11.48			18490.00	11478.14				MinPt-ADP
2124.03	287.29	1932.17	1836.74	11.12			18820.00	11477.11				MinPt-CiCt
2115.52	303.10	1913.12	1812.42	10.50			19420.00	11475.24				MinPt-CiCt
2115.74	303.85	1912.85	1811.90	10.47			19460.00	11475.11				MinPt-EOU
2116.04	304.21	1912.90	1811.83	10.46			19480.00	11475.05				MinPt-ADP
2121.61	308.05	1915.92	1813.56	10.36			19630.00	11474.58				MinPt-EOU
2127.49	322.26	1912.33	1805.24	9.93			20130.00	11473.02				MinPt-CiCt
2128.93	330.24	1908.44	1798.69	9.69			20420.00	11472.12				MinPt-CiCt
2129.51	335.23	1905.69	1794.27	9.55			20600.00	11471.56				MinPt-CiCt
2130.53	338.12	1904.79	1792.42	9.47			20720.00	11471.18				MinPt-EOU
2131.52	339.31	1904.99	1792.22	9.45			20770.00	11471.03				MinPt-ADP
2133.67	347.05	1901.97	1786.62	9.24			21020.00	11470.25				MinPt-CiCt
2134.50	349.69	1901.05	1784.81	9.18			21130.00	11469.90				MinPt-EOU
2136.46	353.35	1900.57	1783.11	9.09			21260.00	11469.50				MinPt-EOU
2137.90	355.07	1900.86	1782.83	9.05			21330.00	11469.28				MinPt-ADP
2140.00	357.81	1901.13	1782.19	8.99			21420.00	11469.00				MinPt-EOU
2141.14	367.58	1895.76	1773.56	8.76			21740.09	11468.00				MinPts

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

134.15	32.81	131.56	101.34	94.01			0.00	0.00				MinPts
134.17	32.81	131.58	101.36	94.02			23.00	23.00				WRP
82.45	32.81	64.93	49.64	4.93		OSF 5.00	1740.00	1735.92	OSF<=5.00			Enter Alert
60.19	34.40	36.93	25.79	2.66		OSF 5.00	2248.74	2232.64				MinPt-CiCt
60.97	37.75	35.48	23.22	2.45		OSF 5.00	2440.00	2418.62				MinPt-EOU
62.12	39.14	35.70	22.98	2.40		OSF 5.00	2520.00	2496.41				MinPt-ADP
64.28	45.27	33.77	19.01	2.14		OSF 5.00	2890.00	2856.18				MinPt-CiCt
65.34	48.35	32.77	16.98	2.04		OSF 5.00	3090.00	3050.66				MinPt-EOU
66.32	49.54	32.96	16.78	2.02		OSF 5.00	3170.00	3128.45				MinPt-ADP
67.85	50.84	33.63	17.01	2.01		OSF 5.00	3260.00	3215.96				MinPt-SF
113.04	73.28	63.86	39.77	2.33		OSF 5.00	4750.00	4664.80				MinPt-SF
124.21	78.77	71.38	45.45	2.38		OSF 5.00	5100.00	5005.13				MinPt-SF
128.99	86.32	71.11	42.67	2.25		OSF 5.00	5580.00	5471.87				MinPt-CiCt
130.16	89.96	69.85	40.19	2.18		OSF 5.00	5800.00	5685.79				MinPt-EOU
131.67	91.81	70.13	39.86	2.16		OSF 5.00	5910.00	5792.75				MinPt-ADP
133.28	93.16	70.84	40.12	2.15		OSF 5.00	5990.00	5870.54				MinPt-SF
196.31	123.84	113.42	72.47	2.38		OSF 5.00	8120.00	7970.05				MinPt-CiCt
196.56	124.39	113.31	72.18	2.38		OSF 5.00	8170.00	8020.05				MinPt-EOU
196.97	124.86	113.40	72.11	2.37		OSF 5.00	8210.00	8060.05				MinPt-ADP
200.12	127.80	114.59	72.32	2.36		OSF 5.00	8430.00	8280.05				MinPt-ADP
195.02	155.05	91.32	39.97	1.89		OSF 5.00	10360.00	10210.05				MinPt-CiCt
195.07	155.23	91.26	39.84	1.89		OSF 5.00	10380.00	10230.05				MinPt-EOU
195.15	155.31	91.28	39.83	1.89		OSF 5.00	10390.00	10240.05				MinPts
192.19	166.35	80.96	25.83	1.73		OSF 5.00	11300.00	11142.51				MinPt-CiCt
192.23	166.50	80.90	25.73	1.73		OSF 5.00	11310.00	11151.56				MinPt-EOU
192.36	166.66	80.93	25.70	1.73		OSF 5.00	11320.00	11160.53				MinPts
591.89	180.70	471.10	411.19	4.93		OSF 5.00	12000.00	11492.13	OSF>5.00			Exit Alert

Offset Trajectory	Separation			Allow	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)	Dev. (ft)			MD (ft)	TVD (ft)	Alert	Minor	Major	
	1067.64	118.00	988.64	949.63	13.67		12630.00	11496.41				MinPt-CiCt
	1068.41	119.63	988.32	948.77	13.49		12770.00	11495.97				MinPt-EOU
	1069.34	121.30	988.15	948.04	13.32		12890.00	11495.60				MinPt-EOU
	1069.53	121.52	988.18	948.00	13.30		12910.00	11495.54				MinPt-ADP
	1072.16	123.94	989.21	948.23	13.07		13080.00	11495.01				MinPt-EOU
	1072.70	124.58	989.32	948.13	13.01		13130.00	11494.85				MinPt-ADP
	1073.82	126.72	989.01	947.10	12.80		13260.00	11494.44				MinPt-CiCt
	1073.98	127.17	988.88	946.82	12.76		13300.00	11494.32				MinPt-EOU
	1074.17	127.40	988.91	946.77	12.73		13320.00	11494.26				MinPt-ADP
	1077.21	132.85	988.31	944.36	12.24		13640.00	11493.26				MinPt-EOU
	1081.39	139.79	987.86	941.59	11.68		13990.00	11492.17				MinPt-EOU
	1083.48	145.16	986.38	938.32	11.26		14250.00	11491.36				MinPt-EOU
	1083.92	152.03	982.23	931.88	10.75		14540.00	11490.45				MinPt-CiCt
	1082.89	159.61	976.16	923.28	10.23		14870.00	11489.42				MinPt-CiCt
	1083.13	160.36	975.89	922.76	10.18		14920.00	11489.27				MinPt-EOU
	1086.25	166.60	974.85	919.65	9.83		15190.00	11488.43				MinPt-EOU
	1088.37	170.37	974.46	918.00	9.63		15340.00	11487.96				MinPt-EOU
	1089.45	171.65	974.69	917.80	9.57		15400.00	11487.77				MinPt-ADP
	1091.13	176.06	973.44	915.08	9.34		15560.00	11487.27				MinPt-EOU
	1091.78	176.85	973.55	914.93	9.30		15600.00	11487.15				MinPt-ADP
	1096.48	183.36	973.91	913.12	9.01		15820.00	11486.46				MinPt-CiCt
	1096.49	190.43	969.21	906.06	8.67		16090.00	11485.62				MinPt-CiCt
	1096.37	195.81	965.50	900.55	8.43		16290.00	11485.00				MinPt-CiCt
	1094.13	202.86	958.57	891.28	8.12		16560.00	11484.15				MinPt-CiCt
	1094.36	214.99	950.71	879.37	7.66		17000.00	11482.78				MinPt-CiCt
	1095.90	218.64	949.81	877.26	7.55		17150.00	11482.31				MinPt-EOU
	1098.20	222.44	949.58	875.76	7.43		17280.00	11481.91				MinPt-EOU
	1098.99	223.36	949.75	875.62	7.41		17320.00	11481.78				MinPt-ADP
	1100.59	233.54	944.56	867.04	7.09		17640.00	11480.79				MinPt-CiCt
	1099.98	249.75	933.15	850.23	6.63		18190.00	11479.07				MinPt-CiCt
	1104.45	264.07	928.08	840.38	6.29		18670.00	11477.57				MinPt-CiCt
	1104.41	288.41	911.81	816.01	5.76		19470.00	11475.08				MinPt-CiCt
	1105.57	292.34	910.35	813.23	5.69		19620.00	11474.61				MinPt-EOU
	1106.59	293.52	910.58	813.07	5.67		19670.00	11474.46				MinPt-ADP
	1105.56	299.08	905.85	806.48	5.56		19830.00	11473.96				MinPt-CiCt
	1106.40	301.10	905.34	805.30	5.52		19920.00	11473.68				MinPt-EOU
	1106.83	309.64	900.07	797.19	5.37		20190.00	11472.83				MinPt-CiCt
	1110.90	334.08	887.85	776.82	5.00	OSF 5.00	20990.00	11470.34	OSF<=5.00			Enter Alert
	1110.95	338.62	884.87	772.33	4.93	OSF 5.00	21130.00	11469.90				MinPt-CiCt
	1111.73	347.41	879.80	764.32	4.81	OSF 5.00	21410.00	11469.03				MinPt-CiCt
	1111.65	355.27	874.47	756.37	4.70	OSF 5.00	21660.00	11468.25				MinPt-CiCt
	1112.20	357.24	873.71	754.96	4.68	OSF 5.00	21740.09	11468.00				MinPts

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

	116.61	32.81	113.91	83.80	81.53		0.00	0.00				MinPts
	116.61	32.81	113.91	83.81	81.53		23.00	23.00				WRP
	81.91	32.81	64.65	49.10	4.97	OSF 5.00	1710.00	1706.24	OSF<=5.00			Enter Alert
	80.96	32.81	62.65	48.15	4.62	OSF 5.00	1810.00	1804.97				MinPts
	81.30	32.81	62.34	48.49	4.47	OSF 5.00	1870.00	1863.91				MinPt-EOU
	90.13	33.67	67.36	56.47	4.09	OSF 5.00	2240.00	2224.14				MinPt-SF
	150.01	45.79	119.15	104.21	4.99	OSF 5.00	3060.00	3021.49	OSF>5.00			Exit Alert
	697.72	159.02	591.38	538.71	6.61		10700.00	10550.05				MinPt-CiCt
	695.16	165.01	584.83	530.16	6.35		11180.00	11029.02				MinPt-CiCt
	695.24	165.23	584.75	530.01	6.34		11210.00	11058.10				MinPt-EOU
	695.31	165.31	584.78	530.00	6.34		11220.00	11067.71				MinPt-ADP
	698.25	166.32	587.04	531.93	6.33		11330.00	11169.43				MinPt-SF
	1034.76	150.80	933.90	883.96	10.35		12370.00	11497.22				MinPt-CiCt
	1034.79	150.89	933.87	883.90	10.34		12390.00	11497.16				MinPt-EOU
	1034.87	150.98	933.88	883.88	10.34		12410.00	11497.10				MinPt-ADP
	1025.71	171.33	911.16	854.38	9.02		14090.00	11491.86				MinPt-CiCt
	1026.80	178.98	907.15	847.82	8.64		14520.00	11490.52				MinPt-CiCt
	1022.71	191.20	894.91	831.51	8.06		15120.00	11488.64				MinPt-CiCt
	1018.85	199.31	885.65	819.54	7.70		15490.00	11487.49				MinPt-CiCt
	1015.44	217.99	869.78	797.45	7.01		16290.00	11485.00				MinPt-CiCt
	1014.36	232.25	859.20	782.11	6.57		16860.00	11483.22				MinPt-CiCt
	1020.36	260.72	846.22	759.64	5.89		17960.00	11479.79				MinPt-CiCt
	1024.12	270.48	843.48	753.65	5.69		18340.00	11478.60				MinPt-EOU
	1029.01	276.54	844.32	752.46	5.60		18570.00	11477.89				MinPt-ADP
	1030.94	285.57	840.23	745.37	5.43		18860.00	11476.98				MinPt-CiCt
	1031.25	286.52	839.91	744.73	5.41		18910.00	11476.83				MinPt-EOU
	1031.58	286.89	839.99	744.68	5.41		18930.00	11476.76				MinPt-ADP
	1038.74	299.67	838.63	739.07	5.21		19380.00	11475.36				MinPt-EOU
	1043.64	307.93	838.02	735.70	5.10		19670.00	11474.46				MinPt-EOU
	1044.19	312.84	835.30	731.35	5.02		19820.00	11473.99				MinPt-CiCt
	1044.38	314.03	834.70	730.36	5.00	OSF 5.00	19870.00	11473.83	OSF<=5.00			Enter Alert
	1045.43	317.96	833.13	727.47	4.94	OSF 5.00	20020.00	11473.36				MinPt-EOU
	1047.66	320.43	833.71	727.23	4.91	OSF 5.00	20120.00	11473.05				MinPt-ADP
	1046.05	329.14	826.30	716.91	4.78	OSF 5.00	20390.00	11472.21				MinPt-CiCt
	1051.23	356.01	813.56	695.22	4.44	OSF 5.00	21300.00	11469.37				MinPt-CiCt
	1055.51	371.22	807.70	684.29	4.27	OSF 5.00	21740.09	11468.00				MinPts

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

	1284.22	32.81	1280.83	1251.41	906.53		0.00	0.00				MinPts
	1284.23	32.81	1280.84	1251.42	906.46		23.00	23.00				WRP
	320.56	97.90	254.75	222.65	4.97	OSF 5.00	6110.00	5987.23	OSF<=5.00			Enter Alert
	176.54	131.64	88.25	44.91	2.02	OSF 5.00	7700.00	7550.05				MinPt-CiCt
	162.53	149.91	62.06	12.62	1.63	OSF 5.00	9119.22	8969.26				MinPt-CiCt
	162.63	150.16	61.98	12.47	1.63	OSF 5.00	9140.00	8990.05				MinPt-EOU
	162.74	150.28	62.02	12.47	1.63	OSF 5.00	9150.00	9000.05				MinPts
	425.51	130.33	338.09	295.18	4.94	OSF 5.00	9900.00	9750.05	OSF>5.00			Exit Alert
	2317.63	120.93	2236.52	2196.71	29.09		12230.00	11497.66				MinPt-SF

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	10780.79	184.68	10657.17	10596.11	88.27		21740.09	11468.00				TD
30-025-40532 - TRES EQUIS 5 STATE 1H - Gyro+MWD to 15525ft - A (DefinitiveSurvey) - Warning Alert												
	950.69	32.81	947.30	917.88	670.72		0.00	0.00				MinPts
	950.73	32.81	947.33	917.92	670.72		23.00	23.00				WRP
	246.59	75.62	195.59	170.97	4.97	OSF 5.00	4740.00	4655.08	OSF<=5.00			Enter Alert
	182.70	93.45	119.85	89.24	2.96	OSF 5.00	5474.09	5368.89				MinPt-CiCt
	182.89	94.14	119.59	88.75	2.94	OSF 5.00	5510.00	5403.80				MinPt-EOU
	183.18	94.51	119.63	88.67	2.93	OSF 5.00	5530.00	5423.25				MinPt-ADP
	184.38	95.36	120.27	89.02	2.92	OSF 5.00	5580.00	5471.87				MinPt-SF
	352.15	107.06	280.24	245.09	4.99	OSF 5.00	6770.00	6628.99	OSF>5.00			Exit Alert
	451.29	136.52	359.74	314.77	5.00	OSF 5.00	8940.00	8790.05	OSF<=5.00			Enter Alert
	446.15	159.53	339.26	286.62	4.22	OSF 5.00	10580.00	10430.05				MinPt-CiCt
	445.17	161.81	336.76	283.36	4.15	OSF 5.00	10800.00	10650.05				MinPts
	445.20	161.83	336.77	283.37	4.15	OSF 5.00	10810.00	10660.05				MinPt-SF
	445.30	162.72	336.28	282.58	4.13	OSF 5.00	10900.00	10750.05				MinPts
	445.34	162.76	336.30	282.59	4.13	OSF 5.00	10910.00	10760.05				MinPt-SF
	487.60	148.08	388.34	339.52	4.98	OSF 5.00	11380.00	11212.65	OSF>5.00			Exit Alert
	495.03	125.38	410.95	369.66	5.98		11950.00	11486.17				MinPt-SF
	473.56	125.04	389.70	348.52	5.73		12370.00	11497.22				MinPt-CiCt
	473.63	125.24	389.63	348.39	5.72		12390.00	11497.16				MinPt-EOU
	473.73	125.35	389.66	348.38	5.72		12400.00	11497.13				MinPt-ADP
	485.36	129.54	398.50	355.82	5.67		12630.00	11496.41				MinPt-SF
	505.75	144.75	408.75	361.00	5.28		13260.00	11494.44				MinPt-CiCt
	506.55	153.16	403.95	353.39	5.00	OSF 5.00	13610.00	11493.35	OSF<=5.00			Enter Alert
	506.54	153.39	403.78	353.15	4.99	OSF 5.00	13620.00	11493.32				MinPt-CiCt
	507.02	155.06	403.15	351.96	4.94	OSF 5.00	13690.00	11493.10				MinPt-EOU
	507.62	155.77	403.27	351.84	4.92	OSF 5.00	13720.00	11493.01				MinPt-ADP
	514.56	169.81	400.85	344.74	4.57	OSF 5.00	14180.00	11491.58				MinPt-EOU
	485.00	226.08	333.78	258.91	3.23	OSF 5.00	15900.00	11486.21				MinPt-CiCt
	486.87	232.84	331.14	254.03	3.15	OSF 5.00	16060.00	11485.71				MinPt-EOU
	489.00	235.35	331.60	253.65	3.13	OSF 5.00	16120.00	11485.53				MinPt-ADP
	495.16	240.31	334.46	254.85	3.10	OSF 5.00	16240.00	11485.15				MinPt-SF
	720.95	219.70	573.99	501.25	4.95	OSF 5.00	16740.00	11483.59	OSF>5.00			Exit Alert
	5546.75	190.43	5419.30	5356.33	44.03		21740.09	11468.00				TD
30-025-44344 - HEMLOCK 32 STATE 702H - MWD to 17526ft - A (DefinitiveSurvey) - Warning Alert												
	1181.90	32.81	1178.50	1149.09	834.18		0.00	0.00				MinPts
	1181.90	32.81	1178.50	1149.09	834.14		23.00	23.00				WRP
	1181.59	32.81	1174.13	1148.78	215.25		610.00	610.00				MinPts
	356.18	96.14	291.55	260.04	5.63		5613.50	5504.45				MinPt-CiCt
	356.39	96.72	291.38	259.67	5.60		5650.00	5539.94				MinPt-EOU
	356.52	96.87	291.40	259.65	5.59		5660.00	5549.66				MinPt-ADP
	360.33	98.60	294.06	261.73	5.55		5780.00	5666.34				MinPt-SF
	532.29	146.69	433.96	385.60	5.49		9620.00	9470.05				MinPt-CiCt
	532.93	148.98	433.08	383.95	5.41		9790.00	9640.05				MinPt-EOU
	533.60	149.77	433.22	383.83	5.39		9850.00	9700.05				MinPt-ADP
	540.74	161.42	432.59	379.32	5.06		10660.00	10510.05				MinPt-CiCt
	541.29	163.07	432.04	378.22	5.01		10780.00	10630.05				MinPt-EOU
	541.85	163.76	432.14	378.09	5.00	OSF 5.00	10830.00	10680.05	OSF<=5.00			Enter Alert
	541.98	163.89	432.18	378.09	4.99	OSF 5.00	10840.00	10690.05				MinPt-ADP
	546.67	166.63	435.05	380.04	4.95	OSF 5.00	11053.43	10903.48				MinPt-SF
	555.80	168.02	443.25	387.78	5.00	OSF 5.00	11190.00	11038.76	OSF>5.00			Exit Alert
	10562.73	190.45	10435.27	10372.28	83.84		21740.09	11468.00				TD
30-025-40582 - EATA FAJITA STATE 1H - Gyro+MWD to 15607ft - A (DefinitiveSurvey) - Warning Alert												
	10089.64	32.81	10086.24	10056.83	7132.18		0.00	0.00				Surface
	10089.43	32.81	10086.04	10056.62	7129.63		23.00	23.00				WRP
	10089.12	32.81	10085.70	10056.31	7002.38		100.00	100.00				MinPts
	10089.47	32.81	10085.57	10056.66	5249.88		240.00	240.00				MinPt-EOU
	10090.11	32.81	10085.57	10057.30	3947.21		340.00	340.00				MinPt-EOU
	10092.93	32.81	10081.89	10060.12	1113.96		1030.00	1029.86				MinPt-EOU
	681.50	207.40	542.73	474.10	4.95	OSF 5.00	16450.00	11484.50	OSF<=5.00			Enter Alert
	487.11	245.66	322.84	241.45	2.98	OSF 5.00	16926.62	11483.01				MinPt-CiCt
	487.12	245.74	322.79	241.38	2.98	OSF 5.00	16930.00	11483.00				MinPt-EOU
	487.29	245.92	322.84	241.37	2.98	OSF 5.00	16940.00	11482.97				MinPts
	497.90	242.10	335.99	255.79	3.09	OSF 5.00	17650.00	11480.75				MinPt-ADP
	497.59	241.80	335.89	255.79	3.10	OSF 5.00	17690.00	11480.63				MinPt-ADP
	497.40	241.59	335.84	255.81	3.10	OSF 5.00	17730.00	11480.51				MinPt-EOU
	497.00	240.74	336.00	256.25	3.11	OSF 5.00	17900.00	11479.98				MinPt-EOU
	496.78	240.39	336.02	256.39	3.11	OSF 5.00	17960.00	11479.79				MinPt-EOU
	496.76	240.31	336.06	256.45	3.11	OSF 5.00	17980.00	11479.73				MinPt-CiCt
	495.30	238.40	335.87	256.90	3.13	OSF 5.00	18660.00	11477.61				MinPt-CiCt
	495.32	238.45	335.85	256.87	3.13	OSF 5.00	18670.00	11477.57				MinPt-EOU
	495.36	238.49	335.86	256.86	3.13	OSF 5.00	18680.00	11477.54				MinPt-ADP
	495.51	238.58	335.95	256.92	3.13	OSF 5.00	18700.00	11477.48				MinPt-SF
	497.19	239.13	337.27	258.06	3.13	OSF 5.00	19090.00	11476.26				MinPt-CiCt
	497.26	239.36	337.19	257.90	3.13	OSF 5.00	19130.00	11476.14				MinPt-EOU
	497.36	239.47	337.21	257.89	3.13	OSF 5.00	19150.00	11476.08				MinPt-ADP
	497.89	239.79	337.53	258.10	3.12	OSF 5.00	19210.00	11475.89				MinPt-SF
	515.37	247.45	349.90	267.92	3.13	OSF 5.00	20130.00	11473.02				MinPt-CiCt
	515.52	248.01	349.68	267.51	3.13	OSF 5.00	20180.00	11472.87				MinPt-EOU
	515.78	248.33	349.73	267.45	3.13	OSF 5.00	20210.00	11472.77				MinPt-ADP
	516.80	249.03	350.28	267.77	3.12	OSF 5.00	20270.00	11472.58				MinPt-SF
	520.39	254.74	350.07	265.65	3.07	OSF 5.00	20790.00	11470.96				MinPt-CiCt
	521.05	256.35	349.65	264.70	3.06	OSF 5.00	20900.00	11470.62				MinPt-EOU
	522.67	260.03	348.81	262.63	3.02	OSF 5.00	21160.00	11469.81				MinPt-EOU
	522.81	260.24	348.82	262.58	3.02	OSF 5.00	21170.00	11469.78				MinPt-ADP
	523.61	260.82	349.23	262.79	3.02	OSF 5.00	21200.00	11469.68				MinPt-SF
	641.28	260.40	467.18	380.88	3.71	OSF 5.00	21740.09	11468.00				TD

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	
30-025-41056 - HEARTTHROB BSX STATE 1H - Gyro-MWD to 15815ft - A (DefinitiveSurvey) - Warning Alert												
	10477.72	32.81	10474.33	10444.92	7406.40		0.00	0.00				Surface
	10477.58	32.81	10474.18	10444.77	7405.10		23.00	23.00				WRP
	10477.43	32.81	10474.02	10444.62	7331.62		80.00	80.00				MinPts
	10477.93	32.81	10473.50	10445.12	4289.37		320.00	320.00				MinPt-EOU
	10480.78	32.81	10472.54	10447.97	1675.10		750.00	750.00				MinPt-EOU
	10483.51	32.81	10469.68	10450.70	884.33		1290.00	1288.78				MinPt-EOU
	10597.75	80.63	10543.46	10517.12	201.15		5150.00	5053.75				MinPts
	10641.15	98.55	10574.91	10542.60	164.64		6110.00	5987.23				MinPts
	10644.65	158.23	10538.62	10486.42	101.93		10370.00	10220.05				MinPt-CtCt
	10646.54	162.39	10537.73	10484.14	99.31		10720.00	10570.05				MinPt-EOU
	10647.25	163.23	10537.89	10484.02	98.81		10800.00	10650.05				MinPt-ADP
	736.23	222.38	587.48	513.85	4.99	OSF 5.00	21640.00	11468.31	OSF<=5.00			Enter Alert
	671.32	230.60	517.09	440.72	4.39	OSF 5.00	21740.09	11468.00				MinPts
Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass												
	59.98	32.81	56.70	27.17	29.34		0.00	0.00				Surface
	59.98	32.81	56.70	27.17	29.34		23.00	23.00				WRP
	59.98	32.81	51.03	27.17	7.66		800.00	800.00				MinPts
	60.19	32.81	50.85	27.38	7.32		840.00	840.00				MinPt-EOU
	68.06	32.81	56.70	35.25	6.63		1050.00	1049.82				MinPt-SF
	1004.13	71.65	956.03	932.48	21.29		4670.00	4587.01				MinPt-SF
	1536.80	161.07	1429.09	1375.73	14.39		11010.00	10860.05				MinPts
	1445.44	365.94	1201.16	1079.50	5.94		21740.09	11468.00				MinPts
Coterra Tres Equis 5-8 State Com 152H Rev0 kFc 23Oct25 (DefinitivePlan) - Pass												
	79.98	32.81	76.70	47.18	39.34		0.00	0.00				Surface
	79.98	32.81	76.70	47.18	39.34		23.00	23.00				WRP
	79.98	32.81	71.03	47.18	10.26		800.00	800.00				MinPts
	80.19	32.81	70.85	47.38	9.80		840.00	840.00				MinPt-EOU
	93.22	32.81	81.17	60.41	8.55		1120.00	1119.63				MinPt-SF
	2048.90	150.21	1948.43	1898.69	20.59		10160.00	10010.05				MinPt-CtCt
	2048.98	150.48	1948.33	1898.50	20.55		10200.00	10050.05				MinPt-EOU
	2049.04	150.55	1948.34	1898.49	20.54		10210.00	10060.05				MinPt-ADP
	2055.53	151.82	1953.99	1903.71	20.43		10430.00	10280.05				MinPt-SF
	2297.37	145.61	2199.97	2151.76	23.82		12530.00	11496.72				MinPt-CtCt
	2311.38	363.09	2068.99	1948.29	9.57		21740.09	11468.00				MinPts
Coterra Tres Equis 5-8 State 402H - Corrected MWD to 22626ft (DefinitiveSurvey) - Pass												
	99.99	32.81	97.29	67.18	69.78		0.00	0.00				MinPts
	99.99	32.81	97.29	67.18	69.78		23.00	23.00				WRP
	84.67	32.81	68.25	51.86	5.42		1620.92	1617.88				MinPts
	84.89	32.81	67.97	52.08	5.27		1670.00	1666.61				MinPt-EOU
	88.49	32.81	70.26	55.69	5.07		1800.00	1795.12				MinPt-SF
	1141.42	90.83	1080.53	1050.58	19.04		6040.00	5919.16				MinPt-SF
	1415.13	119.47	1335.16	1295.66	17.90		7970.00	7820.05				MinPt-CtCt
	1393.83	160.74	1286.34	1233.08	13.08		10890.00	10740.05				MinPt-CtCt
	1393.99	161.18	1286.21	1232.81	13.04		10930.00	10780.05				MinPt-EOU
	1394.19	161.40	1286.26	1232.78	13.03		10950.00	10800.05				MinPt-ADP
	1408.52	165.96	1297.55	1242.55	12.80		11480.00	11291.72				MinPt-SF
	1688.85	159.82	1581.98	1529.03	15.94		12500.00	11496.81				MinPt-SF
	1721.67	169.67	1608.23	1552.00	15.30		13500.00	11493.70				MinPt-CtCt
	1721.84	170.18	1608.06	1551.66	15.26		13550.00	11493.54				MinPt-EOU
	1722.01	170.39	1608.09	1551.62	15.24		13570.00	11493.48				MinPt-ADP
	1722.10	174.20	1605.63	1547.90	14.90		13840.00	11492.64				MinPt-CtCt
	1720.92	177.69	1602.13	1543.23	14.60		14080.00	11491.89				MinPt-CtCt
	1721.83	179.86	1601.59	1541.97	14.43		14230.00	11491.42				MinPt-EOU
	1722.79	182.32	1600.92	1540.47	14.24		14380.00	11490.95				MinPt-EOU
	1723.14	182.73	1600.99	1540.41	14.21		14410.00	11490.86				MinPt-ADP
	1721.69	187.31	1596.49	1534.38	13.85		14660.00	11490.08				MinPt-CtCt
	1707.13	204.26	1570.63	1502.87	12.59		15550.00	11487.30				MinPt-CtCt
	1707.23	204.51	1570.56	1502.72	12.58		15570.00	11487.24				MinPt-EOU
	1707.33	204.63	1570.58	1502.70	12.57		15580.00	11487.21				MinPt-ADP
	1702.42	213.13	1560.00	1489.29	12.03		15960.00	11486.02				MinPt-CtCt
	1702.51	213.41	1559.91	1489.10	12.02		15980.00	11485.96				MinPt-EOU
	1702.73	213.68	1559.95	1489.05	12.00		16000.00	11485.90				MinPt-ADP
	1713.89	219.00	1567.56	1494.89	11.79		16250.00	11485.12				MinPt-ADP
	1715.72	221.09	1567.99	1494.62	11.69		16320.00	11484.90				MinPt-ADP
	1711.03	231.02	1556.69	1480.01	11.15		16720.00	11483.65				MinPt-CtCt
	1711.21	231.62	1556.47	1479.59	11.12		16760.00	11483.53				MinPt-EOU
	1712.37	233.00	1556.70	1479.37	11.06		16830.00	11483.31				MinPt-ADP
	1728.60	247.86	1563.04	1480.75	10.50		17430.00	11481.44				MinPt-EOU
	1728.78	248.05	1563.09	1480.74	10.49		17440.00	11481.41				MinPt-ADP
	1716.59	271.93	1534.98	1444.67	9.50		18350.00	11478.57				MinPt-CtCt
	1717.54	275.20	1533.74	1442.33	9.39		18490.00	11478.14				MinPt-EOU
	1718.65	276.54	1533.96	1442.10	9.35		18550.00	11477.95				MinPt-ADP
	1723.70	288.53	1531.01	1435.17	8.99		18980.00	11476.61				MinPt-EOU
	1741.79	320.30	1527.93	1421.49	8.18		20110.00	11473.08				MinPt-CtCt
	1752.04	365.25	1508.22	1386.79	7.21		21670.00	11468.22				MinPt-CtCt
	1752.10	371.53	1504.08	1380.56	7.09		21740.09	11468.00				MinPts
30-025-46753 - HEMLOCK 32 STATE 202H - MWD to 14813ft - A (DefinitiveSurvey) - Pass												
	1255.51	32.81	1252.11	1222.70	886.23		0.00	0.00				MinPts
	1255.53	32.81	1252.13	1222.72	886.19		23.00	23.00				WRP
	337.73	91.62	276.11	246.11	5.60		5312.40	5211.66				MinPt-CtCt
	337.87	92.06	275.96	245.81	5.58		5340.00	5238.50				MinPt-EOU
	338.00	92.22	275.98	245.78	5.57		5350.00	5248.22				MinPt-ADP
	340.45	93.36	277.67	247.09	5.54		5430.00	5326.01				MinPt-SF
	719.37	152.51	617.15	566.85	7.13		9850.00	9700.05				MinPt-CtCt
	719.40	152.59	617.13	566.81	7.13		9860.00	9710.05				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	
	719.78	152.72	617.43	567.07	7.13		9880.00	9730.05				MinPt-SF
	10768.53	187.20	10643.23	10581.33	86.97		21740.09	11468.00				TD
30-025-45523 - HEMLOCK 32 STATE 703H - MWD to 17405ft - A (DefinitiveSurvey) - Pass												
	684.65	32.81	681.26	651.84	482.64		0.00	0.00				MinPts
	684.67	32.81	681.28	651.86	482.53		23.00	23.00				WRP
	697.79	32.81	683.38	664.98	55.99		1290.00	1288.78				MinPt-EOU
	683.29	32.81	663.01	650.48	36.79		1889.04	1882.57				MinPts
	683.47	32.81	662.88	650.66	36.19		1920.00	1912.85				MinPt-EOU
	906.87	73.64	857.19	833.23	18.89		4670.00	4587.01				MinPt-SF
	1176.15	98.99	1109.62	1077.16	18.09		6350.00	6220.60				MinPt-SF
	1230.62	103.49	1161.09	1127.13	18.10		6650.00	6512.31				MinPt-SF
	1293.82	137.03	1201.93	1156.79	14.31		9030.00	8880.05				MinPt-CtCt
	1293.03	144.54	1196.13	1148.49	13.55		9570.00	9420.05				MinPt-CtCt
	1293.32	145.37	1195.87	1147.95	13.48		9640.00	9490.05				MinPt-EOU
	1293.62	145.72	1195.93	1147.90	13.45		9670.00	9520.05				MinPt-ADP
	1288.09	165.64	1177.12	1122.45	11.76		11070.00	10920.04				MinPt-CtCt
	1288.11	165.70	1177.10	1122.41	11.76		11080.00	10930.04				MinPt-EOU
	1288.15	165.76	1177.11	1122.39	11.76		11090.00	10940.02				MinPt-ADP
	1292.96	166.79	1181.22	1126.16	11.73		11250.00	11096.21				MinPt-SF
	10561.51	193.68	10431.89	10367.83	82.42		21740.09	11468.00				TD
30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A (DefinitiveSurvey) - Pass												
	770.49	32.81	767.10	737.68	543.33		0.00	0.00				Surface
	770.47	32.81	767.08	737.67	543.10		23.00	23.00				WRP
	767.19	32.81	756.97	734.38	92.87		889.84	889.84				MinPts
	768.40	32.81	756.03	735.59	73.72		1110.00	1109.66				MinPt-EOU
	769.62	32.81	756.03	736.81	66.10		1230.00	1229.10				MinPt-EOU
	1065.93	75.10	1015.28	990.83	21.76		4780.00	4693.97				MinPt-SF
	1397.40	107.13	1325.44	1290.27	19.84		6840.00	6697.06				MinPt-SF
	1447.61	128.36	1361.50	1319.25	17.11		8400.00	8250.05				MinPt-CtCt
	1430.73	140.70	1336.39	1290.03	15.41		9280.00	9130.05				MinPt-CtCt
	1430.79	140.87	1336.34	1289.92	15.39		9300.00	9150.05				MinPt-EOU
	1430.86	140.95	1336.36	1289.91	15.39		9310.00	9160.05				MinPt-ADP
	1435.82	143.40	1339.68	1292.42	15.17		9490.00	9340.05				MinPt-ADP
	1438.14	143.80	1341.73	1294.34	15.15		9560.00	9410.05				MinPt-SF
	10846.60	187.43	10721.15	10659.17	87.49		21740.09	11468.00				TD



Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25 Proposal Geodetic Report
Def Plan

Report Date:
Client:
Field:
Structure / Slot:
Well:
Borehole:
UBHI / API#:
Survey Name:
Survey Date:
Tort / AHD / DOI / ERD Ratio:
Coordinate Reference System:
Location Lat / Long:
Location Grid NIE YX:
CRS Grid Convergence Angle:
Grid Scale Factor:
Version / Patch:

October 23, 2025 - 02:59 PM (UTC 0)
COTERRA
NM Lea County (NAD 83)
Coterra - Tres Equis 5-8 State Pad Lot 3 / Tres Equis 5-8 State Com 301H
Tres Equis 5-8 State Com 301H
Tres Equis 5-8 State Com 301H
Unknown / Unknown
Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25
October 22, 2025
122.958° / 11704.927 ft / 6.435 / 1.018
NAD83 New Mexico State Plane, Eastern Zone, US Feet
32°15'10.96174"N , 103°35'51.55008"W
N 456570.250 RUS , E 768763.850 RUS
0.393°
0.99996833(Applied)
2025.1.0.1

Survey / DLS Computation:
Vertical Section Azimuth:
Vertical Section Origin:
TVD Reference Datum:
TVD Reference Elevation:
Seabed / Ground Elevation:
Magnetic Declination:
Total Gravity Field Strength:
Gravity Model:
Total Magnetic Field Strength:
Magnetic Dip Angle:
Declination Date:
Magnetic Declination Model:
North Reference:
Grid Convergence Used:
Total Corr Mag North->Grid North:
Local Coord Referenced To:

Minimum Curvature / Lubinski
179.610 (GRID North)
0.000 ft, 0.000 ft
RKB
3679.100 ft above MSL
3656.100 ft above MSL
6.057°
998.4383mgn (9.80665 Based)
GARM
47180.54 nT
59.731°
October 23, 2025
HDGM 2025
Grid North
0.393°
5.664°
Well Head

Comments	MD (ft)	Incl (°)	Azin (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327FNL, 1618FWL]	0.00	0.00	0.00	0.00	-3,679.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280			
Nudge, Build 1.5°/100ft	800.00	0.00	279.43	800.00	-2,879.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
Hold	1,200.00	6.00	279.43	1,199.27	-2,479.83	-3.57	3.43	-20.64	456,573.68	768,743.21	32.25305474	-103.59771949	1.50	1.50	0.00
Build 2°/100ft	1,602.94	6.00	279.43	1,600.00	-2,079.10	-10.75	10.33	-62.19	456,580.58	768,701.66	32.25307449	-103.59785373	0.00	0.00	0.00
Hold	1,977.89	13.50	279.44	1,969.28	-1,709.82	-21.88	20.73	-124.78	456,590.98	768,639.07	32.25310427	-103.59805595	2.00	2.00	0.00
Drop 2°/100ft	6,868.48	13.50	279.44	6,724.75	3,045.05	-216.53	208.02	-1,250.93	456,778.26	767,512.96	32.25364017	-103.60169431	0.00	0.00	0.00
Hold	7,543.43	0.00	279.44	7,393.48	3,714.38	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	2.00	-2.00	0.00
KOP, Build 10°/100ft	11,053.43	0.00	279.44	10,903.48	7,224.38	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
Build & Turn 5°/100ft	11,803.43	75.00	179.61	11,456.91	7,777.81	194.62	-203.66	-1,326.11	456,366.60	767,437.79	32.25251007	-103.60194655	10.00	10.00	0.00
Landing Point	12,122.72	90.18	174.61	11,498.00	7,818.90	509.91	-518.84	-1,309.96	456,051.43	767,453.94	32.25164347	-103.60190126	5.00	4.75	-1.57
Turn 2°/100ft	12,282.72	90.18	174.61	11,497.50	7,818.40	669.30	-678.13	-1,294.93	455,892.14	767,468.96	32.25120536	-103.60185616	0.00	0.00	0.00
Hold	12,532.49	90.18	179.61	11,496.71	7,817.61	918.74	-927.49	-1,282.33	455,642.79	767,481.56	32.25051972	-103.60182090	2.00	0.00	2.00
Tres Equis 5-8 State Com 301H - BHL [100FSL, 330FWL]	21,740.09	90.18	179.61	11,468.00	7,788.90	10,126.30	-10,134.83	-1,218.90	446,435.76	767,544.99	32.22521140	-103.60181858	0.00	0.00	0.00

Survey Type:
Survey Error Model:
Survey Program:

Def Plan
ISCWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma

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	11,000.000	1/100.000	5 – 12.25 – 8.75	3.375 – 9.625	– 7	A001Mb_MWD		Tres Equis 5-8 State Com 301H / Coterra Tres Equ
	1	11,000.000	21,740.088	1/100.000	8.75 – 6		7 – 5	A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 301H / 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	
21,740.088	6.000	5.000	



Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25 Proposal Geodetic

Report
Def Plan

Report Date: October 23, 2025 - 03:00 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 301H
 Borehole: Tres Equis 5-8 State Com 301H
 UBH / API#: Unknown / Unknown
 Survey Name: Coterra Tres Equis 5-8 State Com 301H Rev0 kFc 23Oct25
 Survey Date: October 23, 2025
 Tort / AHD / DDI / ERD Ratio: 122.958' / 11704.927 ft / 6.435' / 1.018
 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
 Location Lat / Long: 32°15'10.96174"N, -103°35'51.55008"W
 Location Grid N/E Y/X: N 456570.250 RUS, E 768763.850 RUS
 CRS Grid Convergence Angle: 0.393"
 Grid Scale Factor: 0.99996833(Applied)
 Version / Patch: 2025.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
 Vertical Section Azimuth: 179.610 (°GRD North)
 Vertical Section Origin: 0.000 ft, 0.000 ft
 TVD Reference Datum: RKB
 TVD Reference Elevation: 3679.100 ft above MSL
 Sealed / Ground Elevation: 3656.100 ft above MSL
 Magnetic Declination: 6.057"
 Total Gravity Field Strength: 996.4383mgn (9.80665 Based)
 Gravity Model: GARM
 Total Magnetic Field Strength: 47180.54 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, 1618FWL]	0.00	0.00	0.00	0.00	-3.679.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280			
	100.00	0.00	279.43	100.00	-3.579.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	200.00	0.00	279.43	200.00	-3.479.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	300.00	0.00	279.43	300.00	-3.379.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	400.00	0.00	279.43	400.00	-3.279.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	500.00	0.00	279.43	500.00	-3.179.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	600.00	0.00	279.43	600.00	-3.079.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	700.00	0.00	279.43	700.00	-2.979.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	800.00	0.00	279.43	800.00	-2.879.10	0.00	0.00	0.00	456,570.25	768,763.85	32.25304493	-103.59765280	0.00	0.00	0.00
	900.00	1.50	279.43	899.99	-2.779.11	-0.22	0.21	-1.29	456,570.46	768,762.56	32.25304554	-103.59765697	1.50	1.50	0.00
Nudge, Build 1.5"/100ft	1,000.00	3.00	279.43	999.91	-2.679.19	-0.89	0.86	-5.16	456,571.11	768,758.69	32.25304738	-103.59766948	1.50	1.50	0.00
	1,100.00	4.50	279.43	1,099.69	-2.579.41	-2.01	1.93	-11.62	456,572.18	768,752.23	32.25305045	-103.59769033	1.50	1.50	0.00
	1,200.00	6.00	279.43	1,199.27	-2.479.83	-3.57	3.43	-20.64	456,573.68	768,743.21	32.25305474	-103.59771949	1.50	1.50	0.00
	1,247.99	6.00	279.43	1,247.00	-2.432.10	-4.42	4.25	-25.59	456,574.50	768,738.26	32.25305709	-103.59773548	0.00	0.00	0.00
	1,300.00	6.00	279.43	1,298.72	-2.380.38	-5.35	5.14	-30.95	456,575.39	768,732.90	32.25305964	-103.59775280	0.00	0.00	0.00
	1,353.57	6.00	279.43	1,352.00	-2.327.10	-6.31	6.06	-36.48	456,576.31	768,727.37	32.25306227	-103.59777065	0.00	0.00	0.00
	1,400.00	6.00	279.43	1,398.17	-2.280.93	-7.13	6.85	-41.27	456,577.10	768,722.59	32.25306454	-103.59778612	0.00	0.00	0.00
	1,498.37	6.00	279.43	1,496.00	-2.183.10	-8.89	8.54	-51.41	456,578.79	768,712.44	32.25306936	-103.59781889	0.00	0.00	0.00
	1,500.00	6.00	279.43	1,497.63	-2.181.47	-8.92	8.57	-51.58	456,578.82	768,712.27	32.25306944	-103.59781943	0.00	0.00	0.00
	1,600.00	6.00	279.43	1,597.08	-2.082.02	-10.70	10.28	-61.89	456,580.53	768,701.96	32.25307435	-103.59785275	0.00	0.00	0.00
Build 2"/100ft	1,602.94	6.00	279.43	1,600.00	-2.079.10	-10.75	10.33	-62.19	456,580.58	768,701.66	32.25307449	-103.59785373	0.00	0.00	0.00
	1,700.00	7.94	279.44	1,696.34	-1.982.76	-12.76	12.26	-73.81	456,582.51	768,690.04	32.25308002	-103.59789127	2.00	2.00	0.01
	1,768.44	9.31	279.44	1,764.00	-1.915.10	-14.51	13.94	-83.94	456,584.19	768,679.92	32.25308483	-103.59792398	2.00	2.00	0.00
	1,800.00	9.94	279.44	1,795.12	-1.883.98	-15.41	14.81	-89.14	456,585.06	768,674.71	32.25308731	-103.59794080	2.00	2.00	0.00
	1,900.00	11.94	279.44	1,893.30	-1.787.02	-17.92	17.02	-107.86	456,588.17	768,659.67	32.25309622	-103.59800129	2.00	2.00	0.00
	1,977.89	13.50	279.44	1,969.28	-1.709.82	-21.58	20.73	-124.78	456,590.98	768,639.07	32.25310427	-103.59805933	2.00	2.00	0.00
	2,000.00	13.50	279.44	1,990.77	-1.688.33	-22.46	21.58	-129.87	456,591.83	768,633.98	32.25310669	-103.59807239	0.00	0.00	0.00
	2,100.00	13.50	279.44	2,088.01	-1.591.09	-26.45	25.41	-152.90	456,595.66	768,610.96	32.25311765	-103.59814679	0.00	0.00	0.00
	2,200.00	13.50	279.44	2,185.25	-1.493.85	-30.44	29.24	-175.93	456,599.49	768,587.93	32.25312861	-103.59822118	0.00	0.00	0.00
	2,300.00	13.50	279.44	2,282.48	-1.396.62	-34.42	33.07	-198.95	456,603.32	768,564.90	32.25313957	-103.59829558	0.00	0.00	0.00
Top Salt□	2,400.00	13.50	279.44	2,379.72	-1.299.38	-38.41	36.90	-221.98	456,607.15	768,541.88	32.25315053	-103.59836997	0.00	0.00	0.00
	2,500.00	13.50	279.44	2,476.96	-1.202.14	-42.39	40.73	-249.01	456,610.98	768,518.85	32.25316148	-103.59844437	0.00	0.00	0.00
	2,600.00	13.50	279.44	2,574.20	-1.104.90	-46.38	44.56	-268.03	456,614.81	768,496.85	32.25317244	-103.59851876	0.00	0.00	0.00
	2,700.00	13.50	279.44	2,671.43	-1.007.67	-50.37	48.39	-291.06	456,618.64	768,472.80	32.25318340	-103.59859353	0.00	0.00	0.00
	2,800.00	13.50	279.44	2,768.67	-910.43	-54.35	52.22	-314.09	456,622.46	768,449.77	32.25319436	-103.59866755	0.00	0.00	0.00
	2,900.00	13.50	279.44	2,865.91	-813.19	-58.34	56.05	-337.11	456,626.29	768,426.75	32.25320532	-103.59874195	0.00	0.00	0.00
	3,000.00	13.50	279.44	2,963.15	-715.95	-62.33	59.88	-360.14	456,630.12	768,403.72	32.25321628	-103.59881634	0.00	0.00	0.00
	3,100.00	13.50	279.44	3,060.38	-618.72	-66.31	63.70	-383.17	456,633.95	768,380.69	32.25322724	-103.59889074	0.00	0.00	0.00
	3,200.00	13.50	279.44	3,157.62	-521.46	-70.30	67.53	-406.19	456,637.78	768,357.67	32.25323819	-103.59896515	0.00	0.00	0.00
	3,300.00	13.50	279.44	3,254.86	-424.24	-74.28	71.36	-429.22	456,641.61	768,334.64	32.25324915	-103.59903953	0.00	0.00	0.00
Hold	3,400.00	13.50	279.44	3,352.10	-327.00	-78.27	75.19	-452.25	456,645.44	768,311.62	32.25326011	-103.59911392	0.00	0.00	0.00
	3,500.00	13.50	279.44	3,449.33	-229.77	-82.26	79.02	-475.28	456,649.27	768,288.59	32.25327107	-103.59918832	0.00	0.00	0.00
	3,600.00	13.50	279.44	3,546.57	-132.53	-86.24	82.85	-498.30	456,653.10	768,265.56	32.25328203	-103.59926271	0.00	0.00	0.00
	3,700.00	13.50	279.44	3,643.81	-35.29	-90.23	86.68	-521.33	456,656.93	768,242.54	32.25329299	-103.59933711	0.00	0.00	0.00
	3,800.00	13.50	279.44	3,741.04	61.94	-94.21	90.51	-544.36	456,660.76	768,219.51	32.25330394	-103.59941150	0.00	0.00	0.00
	3,900.00	13.50	279.44	3,838.28	159.18	-98.20	94.34	-567.38	456,664.59	768,196.49	32.25331490	-103.59948590	0.00	0.00	0.00
	4,000.00	13.50	279.44	3,935.52	256.42	-102.19	98.17	-590.41	456,668.42	768,173.48	32.25332586	-103.59956029	0.00	0.00	0.00
	4,100.00	13.50	279.44	4,032.76	353.66	-106.17	102.00	-613.44	456,672.25	768,150.43	32.25333682	-103.59963469	0.00	0.00	0.00
	4,200.00	13.50	279.44	4,129.99	450.89	-110.16	105.83	-636.46	456,676.07	768,127.41	32.25334778	-103.59970908	0.00	0.00	0.00
	4,300.00	13.50	279.44	4,227.23	548.13	-114.14	109.66	-659.49	456,679.90	768,104.38	32.25335874	-103.59978348	0.00	0.00	0.00
Bell Canyon□	4,400.00	13.50	279.44	4,324.47	645.37	-118.13	113.49	-682.52	456,683.73	768,081.36	32.25336969	-103.59985787	0.00	0.00	0.00
	4,500.00	13.50	279.44	4,421.71	742.61	-122.12	117.32	-705.54	456,687.56	768,058.33	32.25338065	-103.59993227	0.00	0.00	0.00
	4,600.00	13.50	279.44	4,518.94	839.84	-126.10	121.15	-728.57	456,691.39	768,035.30	32.25339161	-103.60000666	0.00	0.00	0.00
	4,700.00	13.50	279.44	4,616.18	937.08	-130.09	124.98	-751.60	456,695.22	768,012.28	32.25340257	-103.60008106	0.00	0.00	0.00
	4,800.00	13.													

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100)	BR (°/100)	TR (°/100)
Bone Spring Lime	9,100.00	0.00	279.44	8,950.05	5,270.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,167.95	0.00	279.44	9,018.00	5,338.90	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,200.00	0.00	279.44	9,050.05	5,370.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,300.00	0.00	279.44	9,150.05	5,470.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,357.95	0.00	279.44	9,208.00	5,528.90	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
Leonard	9,400.00	0.00	279.44	9,250.05	5,570.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,500.00	0.00	279.44	9,350.05	5,670.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,574.95	0.00	279.44	9,425.00	5,745.90	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,600.00	0.00	279.44	9,450.05	5,770.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,700.00	0.00	279.44	9,550.05	5,870.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
Avalon	9,800.00	0.00	279.44	9,650.05	5,970.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	9,900.00	0.00	279.44	9,750.05	6,070.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,000.00	0.00	279.44	9,850.05	6,170.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,100.00	0.00	279.44	9,950.05	6,270.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,200.00	0.00	279.44	10,050.05	6,370.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
1st BS SS	10,264.95	0.00	279.44	10,115.00	6,435.90	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,300.00	0.00	279.44	10,150.05	6,470.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,400.00	0.00	279.44	10,250.05	6,570.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,500.00	0.00	279.44	10,350.05	6,670.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,600.00	0.00	279.44	10,450.05	6,770.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
2nd BS SS	10,700.00	0.00	279.44	10,550.05	6,870.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,800.00	0.00	279.44	10,650.05	6,970.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,900.00	0.00	279.44	10,750.05	7,070.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	10,919.95	0.00	279.44	10,770.00	7,090.90	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	11,000.00	0.00	279.44	10,850.05	7,170.95	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
KOP, Build 10°/100ft	11,053.43	0.00	279.44	10,903.48	7,224.38	-230.04	221.00	-1,329.00	456,791.24	767,434.89	32.25367732	-103.60194654	0.00	0.00	0.00
	11,100.00	17.61	10,949.99	7,270.89	7,228.15	-219.11	-1,328.99	-1,329.00	456,789.35	767,434.91	32.25367732	-103.60194654	10.00	10.00	0.00
	11,200.00	14.66	179.61	11,048.45	7,369.35	-211.40	202.36	-1,328.87	456,772.60	767,435.02	32.25362808	-103.60194654	10.00	10.00	0.00
	11,300.00	24.66	179.61	11,142.51	7,463.41	-177.80	168.76	-1,328.64	456,739.01	767,435.25	32.25353373	-103.60194654	10.00	10.00	0.00
	11,400.00	34.66	179.61	11,229.30	7,550.20	-128.38	119.35	-1,328.31	456,689.59	767,435.59	32.25339790	-103.60194654	10.00	10.00	0.00
3rd BS Carb	11,438.24	38.48	179.61	11,260.00	7,580.90	-105.61	96.57	-1,328.15	456,666.82	767,435.74	32.25335350	-103.60194655	10.00	10.00	0.00
	11,500.00	44.66	179.61	11,306.19	7,627.09	-64.65	55.61	-1,327.87	456,625.86	767,436.02	32.25322271	-103.60194655	10.00	10.00	0.00
	11,600.00	54.66	179.61	11,370.84	7,691.74	-11.47	-20.51	-1,327.36	456,549.74	767,436.54	32.25301348	-103.60194655	10.00	10.00	0.00
	11,700.00	64.66	179.61	11,421.30	7,742.20	97.87	-106.70	-1,326.77	456,463.55	767,437.13	32.25277657	-103.60194655	10.00	10.00	0.00
	11,800.00	74.66	179.61	11,456.02	7,776.92	191.31	-200.34	-1,326.13	456,369.92	767,437.76	32.25251918	-103.60194655	10.00	10.00	0.00
Build & Turn 5°/100ft	11,803.43	75.00	179.61	11,456.91	7,777.81	194.62	-203.66	-1,326.11	456,366.60	767,437.79	32.25251007	-103.60194655	10.00	10.00	0.00
	11,900.00	79.58	178.06	11,478.15	7,799.05	288.79	-297.81	-1,324.18	456,272.45	767,439.71	32.25225125	-103.60194238	5.00	4.75	-1.61
	12,000.00	84.34	176.49	11,492.13	7,813.03	387.69	-396.68	-1,319.47	456,173.58	767,444.43	32.25197940	-103.60192932	5.00	4.75	-1.56
	12,100.00	89.10	174.96	11,497.86	7,818.76	487.27	-496.21	-1,312.02	456,074.06	767,451.87	32.25170570	-103.60190744	5.00	4.76	-1.54
	12,122.72	90.18	174.61	11,498.00	7,818.90	509.91	-518.84	-1,309.96	456,051.43	767,453.94	32.25164347	-103.60190126	5.00	4.76	-1.53
Turn 2°/100ft	12,200.00	90.18	174.61	11,497.76	7,818.66	566.89	-595.77	-1,302.70	455,974.50	767,461.19	32.25143187	-103.60187948	0.00	0.00	0.00
	12,262.72	90.18	174.61	11,497.50	7,818.40	669.30	-678.13	-1,294.93	455,892.14	767,466.96	32.25120536	-103.60185616	0.00	0.00	0.00
	12,300.00	90.18	174.96	11,497.44	7,818.36	686.51	-695.33	-1,293.36	455,874.94	767,470.53	32.25115804	-103.60185146	2.00	0.00	2.00
	12,400.00	90.18	176.96	11,497.13	7,818.03	786.30	-795.08	-1,286.31	455,775.20	767,477.59	32.25088753	-103.60183084	2.00	0.00	2.00
	12,500.00	90.18	178.96	11,496.81	7,817.71	886.26	-895.01	-1,282.74	455,675.27	767,481.15	32.25060902	-103.60182151	2.00	0.00	2.00
Landing Point	12,532.49	90.18	179.61	11,496.71	7,817.61	918.74	-927.49	-1,282.33	455,642.79	767,481.56	32.25051972	-103.60182090	2.00	0.00	2.00
	12,600.00	90.18	179.61	11,496.50	7,817.40	986.26	-995.00	-1,281.87	455,575.28	767,482.03	32.25033416	-103.60182089	0.00	0.00	0.00
	12,700.00	90.18	179.61	11,496.19	7,817.09	1,066.26	-1,095.00	-1,281.18	455,475.29	767,482.72	32.25009929	-103.60182086	0.00	0.00	0.00
	12,800.00	90.18	179.61	11,495.88	7,816.78	1,166.26	-1,195.00	-1,280.49	455,375.29	767,483.41	32.24978443	-103.60182084	0.00	0.00	0.00
	12,900.00	90.18	179.61	11,495.57	7,816.47	1,266.25	-1,295.00	-1,279.80	455,275.30	767,484.09	32.24956957	-103.60182081	0.00	0.00	0.00
Turn 2°/100ft	13,000.00	90.18	179.61	11,495.26	7,816.16	1,366.25	-1,394.99	-1,279.11	455,175.30	767,484.78	32.24923471	-103.60182079	0.00	0.00	0.00
	13,100.00	90.18	179.61	11,494.94	7,815.84	1,466.25	-1,								

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Eastng (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
	20,900.00	90.18	179.61	11,470.62	7,791.52	9,286.22	-9,294.77	-1,224.69	447,275.80	767,539.20	32.22752050	-103.60181879	0.00	0.00	0.00
	21,000.00	90.18	179.61	11,470.31	7,791.21	9,386.22	-9,394.76	-1,224.00	447,175.80	767,539.89	32.22724563	-103.60181877	0.00	0.00	0.00
	21,100.00	90.18	179.61	11,470.00	7,790.90	9,486.21	-9,494.76	-1,223.31	447,075.81	767,540.58	32.22697077	-103.60181874	0.00	0.00	0.00
	21,200.00	90.18	179.61	11,469.68	7,790.58	9,586.21	-9,594.76	-1,222.62	446,975.81	767,541.27	32.22669591	-103.60181872	0.00	0.00	0.00
	21,300.00	90.18	179.61	11,469.37	7,790.27	9,686.21	-9,694.76	-1,221.93	446,875.82	767,541.96	32.22642104	-103.60181869	0.00	0.00	0.00
	21,400.00	90.18	179.61	11,469.06	7,789.96	9,786.21	-9,794.75	-1,221.24	446,775.83	767,542.65	32.22614618	-103.60181866	0.00	0.00	0.00
	21,500.00	90.18	179.61	11,468.75	7,789.65	9,886.21	-9,894.75	-1,220.55	446,675.83	767,543.34	32.22587132	-103.60181864	0.00	0.00	0.00
	21,600.00	90.18	179.61	11,468.44	7,789.34	9,986.21	-9,994.75	-1,219.87	446,575.84	767,544.02	32.22559645	-103.60181861	0.00	0.00	0.00
	21,700.00	90.18	179.61	11,468.13	7,789.03	10,086.21	-10,094.74	-1,219.18	446,475.85	767,544.71	32.22532159	-103.60181859	0.00	0.00	0.00
Tres Equis 5-8 State Com 301H -	21,740.09	90.18	179.61	11,468.00	7,788.90	10,126.30	-10,134.83	-1,218.90	446,435.76	767,544.99	32.22521140	-103.60181858	0.00	0.00	0.00

Survey Type: Def Plan

Survey Error Model: ISCSWA 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	11,000.000	1/100,000 ' .5 – 12.25 – 8.75 3.375 – 9.625 – 7				A001Mb_MWD		Tres Equis 5-8 State Com 301H / Coterra Tres Equ
	1	11,000.000	21,740.088	1/100,000	8.75 – 6	7 – 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 301H / 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	
21,740.088	6.000	5.000	

1. Geological Formations

TVD of target 11468

Pilot Hole TD N/A

MD at TD 21740

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1247	N/A	
Top of Salt	1764	N/A	
Base of Salt/Lamar	5085	N/A	
Top Delaware Sands/Bell Canyon	5135	N/A	
Cherry Canyon	6419	N/A	
Brushy Canyon	7483	N/A	
Bone Spring Lime	9018	N/A	
Leonard	9208	N/A	
Avalon	9425	N/A	
1st Bone Spring Sand	10115	Hydrocarbons	
2nd Bone Spring Sand	10770	Hydrocarbons	
3rd Bone Spring Carbonate	11260	Hydrocarbons	
2nd Bone Spring Sand - Target	11498	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1372	1372	13-3/8"	48.00	H-40	ST&C	1.25	2.91	4.89
12 1/4	0	5115	5115	9-5/8"	40.00	HCK-55	LT&C	1.39	1.44	2.74
8 3/4	0	11053	11053	5-1/2"	20.00	P-110	BT&C	2.08	2.31	2.79
8 3/4	11053	21740	11468	5-1/2"	20.00	P-110	BT&C	2.00	2.23	77.23
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 301H

	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	637	10.30	3.64	22.18		Lead: Tuned Light + LCM
	3119	14.20	1.30	5.86	14:30	Tail: 50:50 (Poz:H) + Salt + Bentonite + Fluid Loss + Dispersant + SMS

Casing String	TOC	% Excess
Surface	0	45
Intermediate	0	51
Production	4915	25

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

4. Pressure Control Equipment

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

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

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1372'	Fresh Water	7.83 - 8.33	28	N/C
1372' to 5115'	Brine Water	9.83 - 10.33	30-32	N/C
5115' to 21740'	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	5545 psi
Abnormal Temperature	No

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

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

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

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

BOPE Additional Information & Testing

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

Additional Well Control Notes

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

Coterra: H2S Plan



H2S Drilling Operations Plan

Training

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

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

H2S Detection and Alarm Systems

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

Windsock and/or wind streamers

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

Condition Flags & Signs

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

Coterra: H2S Plan

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

Well Control Equipment

1. See the pressure control section of this submission.

Communication

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

Drillstem Testing

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

Coterra: H2S Plan

H2S Contingency Plan

Emergency Procedures

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

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

Ignition of the Gas Source

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

Contacting Authorities

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

Coterra: H2S Plan

Emergency Contacts

Coterra Energy

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

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

Third Party

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

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

Submit Electronically
Via E-permitting

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description

Effective May 25, 2021

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

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Tres Equis 5 8 State Com 301H	NENW Sec 5 T24S, R33E	327FNL/ 1618FWL	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 301H		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.

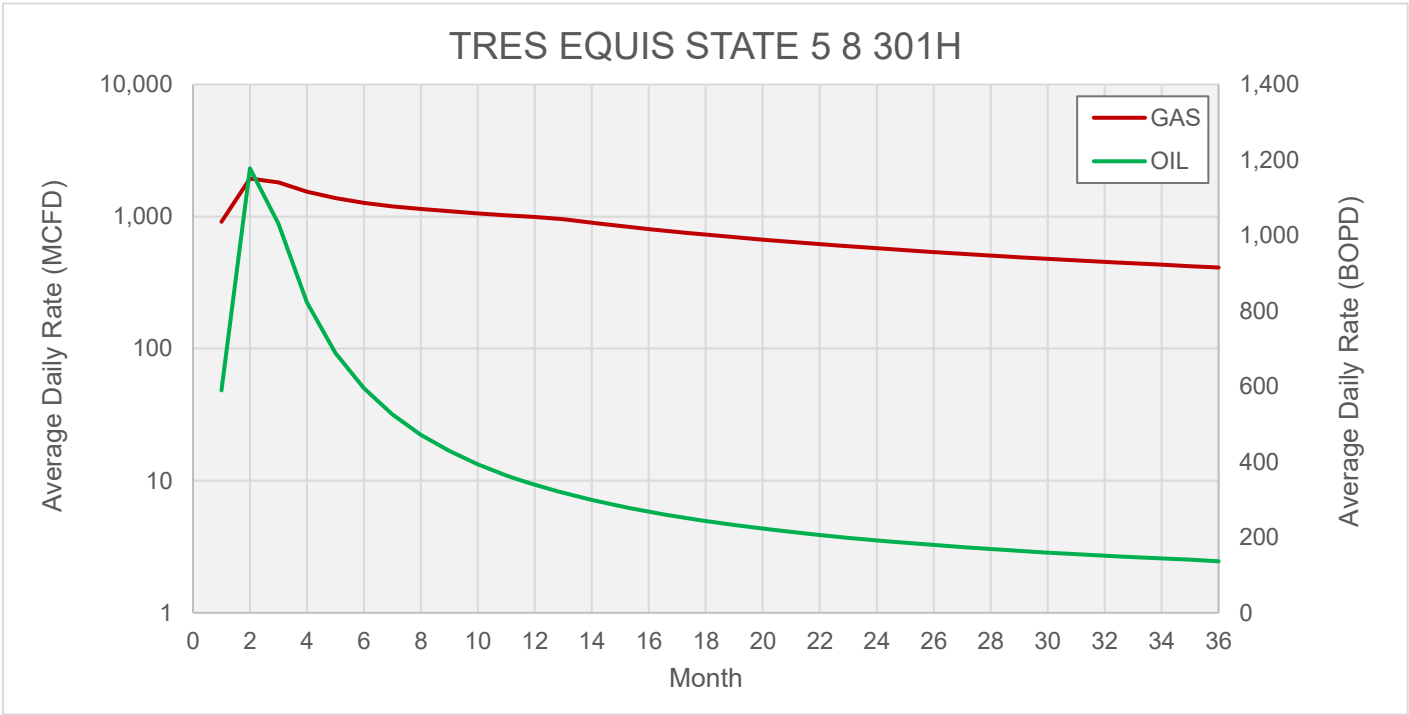
Signature:	<i>Shelly Bowen</i>
Printed Name:	Shelly Bowen
Title:	Sr. Regulatory Analyst
E-mail Address:	shelly.bowen@coterra.com
Date:	10/7/25
Phone:	432/620-1644
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

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 301H	TRES EQUIS STATE 5 8 301H
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 301H
OGRID No. 215099	Operator Name COTTERA 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 1618 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597653°	County LEA
------	-----------	--------------	-----------	-------	------------------------	------------------------	------------------------------	---------------------------------	------------

Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
------	-----------	--------------	-----------	-----	------------------------	-----------------------	------------------------------	---------------------------------	------------

Dedicated Acres 319.79	Infill or Defining Well Infill	Defining Well API 30-025-53707	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 352H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 330 WEST	Latitude (NAD 83) 32.225211°	Longitude (NAD 83) -103.601819°	County LEA
------	-----------	--------------	-----------	-----	------------------------	-----------------------	------------------------------	---------------------------------	------------

Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.1
---	--	--------------------------------

OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Shelly Bowen</i> 10/7/2025 Signature Date Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
--	---

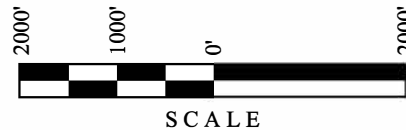
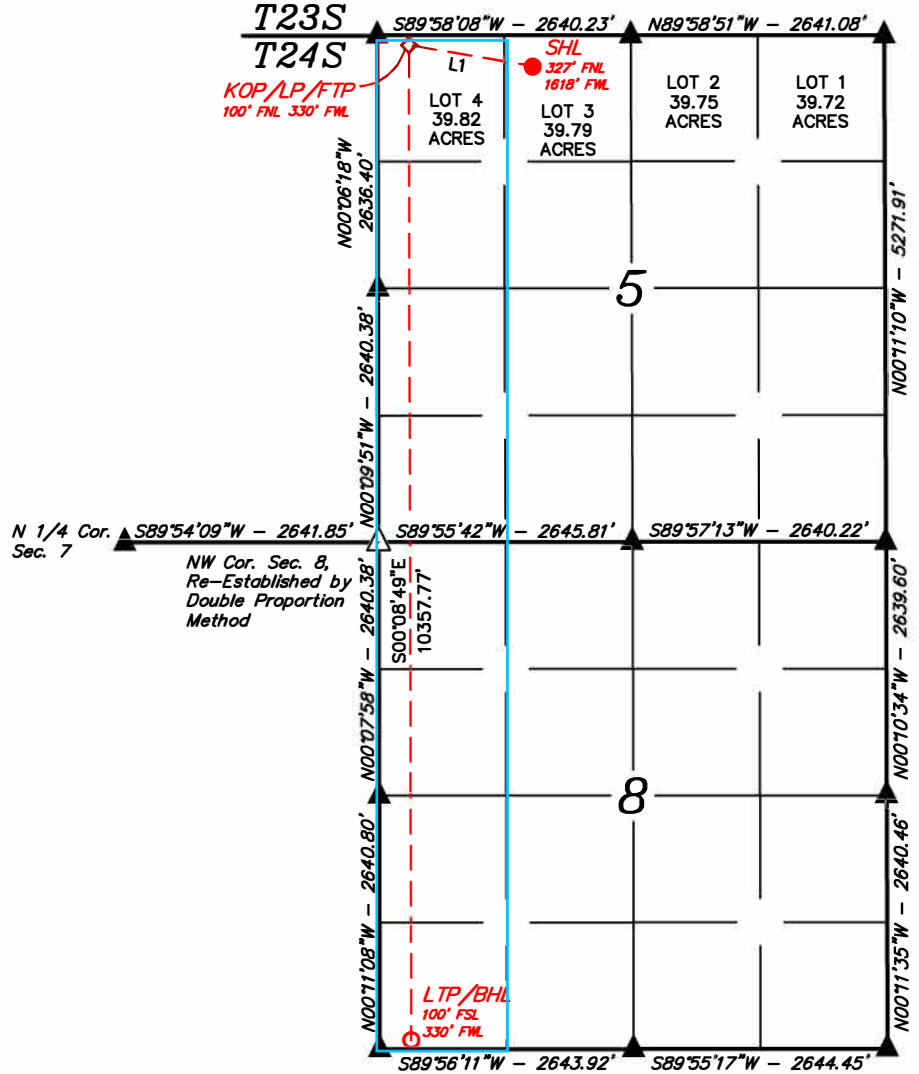
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 301H	Drawn By T.I.R. 09-25-25	Revised By
---	---------------------	-----------------------------	------------

- = 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	N80°01'07"W	1307.88'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.96" (32.253045°)
LONGITUDE = -103°35'51.55" (-103.597653°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°15'10.52" (32.252921°)
LONGITUDE = -103°35'49.82" (-103.597172°)
STATE PLANE NAD 83 (N.M. EAST)
N: 456570.25' E: 768763.85'
STATE PLANE NAD 27 (N.M. EAST)
N: 456511.16' E: 727580.08'

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

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