

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

Form C-101
August 1, 2011

Permit 399503

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
		3. API Number 30-025-55407
4. Property Code 336378	5. Property Name TRES EQUIS 5 8 STATE COM	6. Well No. 151H

7. Surface Location

UL - Lot C	Section 5	Township 24S	Range 33E	Lot Idn 3	Feet From 327	N/S Line N	Feet From 1638	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot M	Section 8	Township 24S	Range 33E	Lot Idn M	Feet From 100	N/S Line S	Feet From 990	E/W Line W	County Lea
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9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3656
16. Multiple N	17. Proposed Depth 20518	18. Formation 1st 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	3681	0
Int1	12.25	9.625	40	5115	1253	0
Prod	8.75	5.5	20	20518	3681	4915

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Phillip Levasseur	Approved By: Jeffrey Harrison
Title: Regulatory Compliance Manager	Title: Petroleum Specialist III
Email Address: phillip.levasseur@coterra.com	Approved Date: 11/3/2025 Expiration Date: 11/3/2027
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 30-025-55407	Pool Code 96674	Pool Name Triple X; Bone Spring, West
Property Code 336378	Property Name TRES EQUIS 5 8 STATE COM	Well Number 151H
OGRID No. 215099	Operator Name Coterra Energy Operating Co. CIMAREX ENERGY CO.	Ground Level Elevation 3656.0'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 327 NORTH	Ft. from E/W 1638 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597588°	County LEA
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Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.225209°	Longitude (NAD 83) -103.599685°	County LEA
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Dedicated Acres 319.82	Infill or Defining Well Infill	Defining Well API 30-025-53706	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 351H Com Agreement - NMSLO			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.253673°	Longitude (NAD 83) -103.599682°	County LEA
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First Take Point (FTP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.253673°	Longitude (NAD 83) -103.599682°	County LEA
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Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.225209°	Longitude (NAD 83) -103.599685°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.0
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Shelly Bowen</i> Signature _____ Date 10/7/2025 Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
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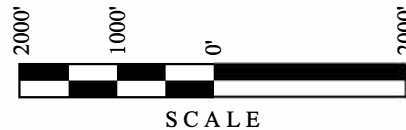
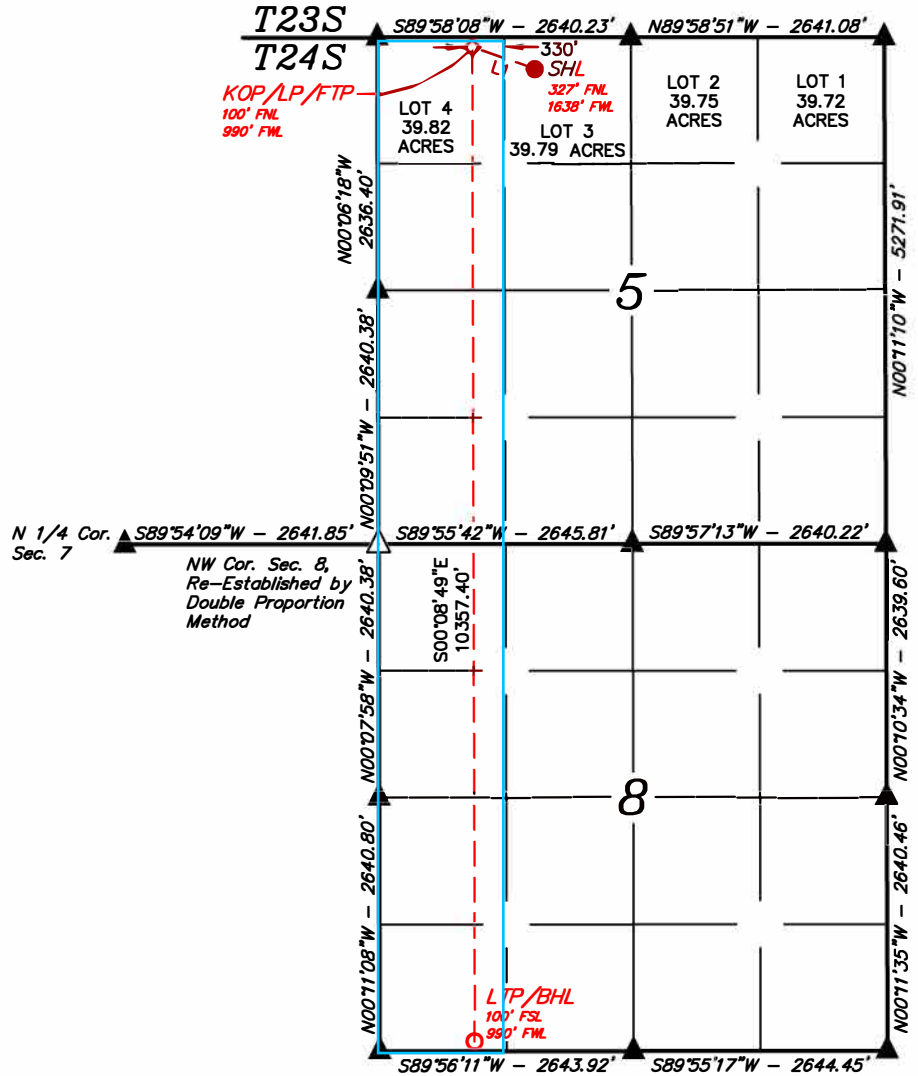
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 151H	Drawn By T.I.R. 09-25-25	Revised By
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- = SURFACE HOLE LOCATION
- ◇ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
- = LAST TAKE POINT/BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED.
(Not Set on Ground.)

NOTE:

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N70°41'35"W	686.71'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.96" (32.253045°)	
LONGITUDE = -103°35'51.32" (-103.597588°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.52" (32.252921°)	
LONGITUDE = -103°35'49.59" (-103.597108°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456570.34' E: 768783.84'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456511.25' E: 727600.08'	

NAD 83 (KOP/LP/FTP)	
LATITUDE = 32°15'13.22" (32.253673°)	
LONGITUDE = -103°35'58.86" (-103.599682°)	
NAD 27 (KOP/LP/FTP)	
LATITUDE = 32°15'12.78" (32.253550°)	
LONGITUDE = -103°35'57.13" (-103.599202°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456794.63' E: 768134.92'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456735.53' E: 726951.16'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°13'30.75" (32.225209°)	
LONGITUDE = -103°35'58.86" (-103.599685°)	
NAD 27 (LTP/BHL)	
LATITUDE = 32°13'30.31" (32.225085°)	
LONGITUDE = -103°35'57.14" (-103.599206°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 446439.26' E: 768204.87'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 446380.42' E: 727020.66'	

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

Form APD Conditions

Permit 399503

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Coterra Energy Operating Co. [215099] 6001 Deauville Blvd Midland, TX 79706	API Number: 30-025-55407
	Well: TRES EQUIS 5 8 STATE COM #151H

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 Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25 Anti-Collision Summary Report

Analysis Date-24hr Time: October 23, 2025 - 01:48 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 151H
Well: Tres Equis 5-8 State Com 151H
Borehole: Tres Equis 5-8 State Com 151H
Scan MD Range: 0.00ft ~ 20518.19ft

Analysis Method: 3D Least Distance
Reference Trajectory: Coterra Tres Equis 5-8 State Com 151H 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 151H-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

33 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.

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

20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	0.00	0.00	CtCt<=15.00m	Enter Alert
20.00	16.40	16.71	3.60	9.36	CtCt 15.00m	23.00	23.00		WRP
20.00	20.00	6.24	0.00	1.50	OSF 5.00	1290.00	1290.00		MinPts
20.00	20.14	6.25	-0.14	1.49	OSF 1.50	1320.00	1320.00	OSF<=1.50	Enter Minor
20.00	24.31	3.47	-4.31	1.22	OSF 1.50	1600.00	1600.00		MinPt-CtCt
20.15	24.75	3.32	-4.60	1.21	OSF 1.50	1630.00	1630.00		MinPt-EOU
20.27	24.90	3.34	-4.63	1.21	OSF 1.50	1640.00	1640.00		MinPts
26.80	27.25	8.30	-0.46	1.47	OSF 1.50	1800.00	1799.84	OSF>1.50	Exit Minor
125.45	38.52	99.45	86.94	4.97	OSF 5.00	2560.00	2545.33	OSF>5.00	Exit Alert
471.17	72.26	422.67	398.91	9.90		4699.86	4627.11		MinPt-SF
481.40	74.06	431.70	407.34	9.86		4830.00	4756.54		MinPt-SF
674.19	150.34	573.63	523.84	6.76		10200.00	10087.66		MinPt-CtCt
674.24	150.45	573.61	523.78	6.76		10210.00	10095.45		MinPts
675.94	151.11	574.87	524.83	6.74		10270.00	10139.81		MinPt-SF
1365.43	122.37	1283.53	1243.06	16.86		11460.00	10321.93		MinPt-CtCt
1381.76	355.28	1144.58	1026.48	5.85		20518.19	10275.00		MinPts

30-025-44344 - HEMLOCK 32 STATE 702H - MWD to 17526ft - A (DefinitiveSurvey) - **Fail Minor**

1198.17	32.81	1194.78	1165.36	845.69		0.00	0.00		MinPts
1198.17	32.81	1194.78	1165.36	845.64		23.00	23.00		WRP
1197.89	32.81	1190.43	1165.08	218.22		610.00	610.00		MinPts
1200.51	32.81	1186.39	1167.70	98.69		1290.00	1290.00		MinPt-EOU
305.16	93.24	242.47	211.92	4.97	OSF 5.00	5920.00	5840.56	OSF<=5.00	Enter Alert
134.27	134.28	44.21	-0.01	1.50	OSF 1.50	8580.00	8495.56	OSF<=1.50	Enter Minor
127.99	140.23	33.96	-12.24	1.37	OSF 1.50	9009.06	8924.62		MinPt-CtCt
128.28	141.05	33.71	-12.76	1.36	OSF 1.50	9070.00	8985.56		MinPt-EOU
128.51	141.31	33.76	-12.80	1.36	OSF 1.50	9090.00	9005.56		MinPt-SF
128.64	141.45	33.80	-12.81	1.36	OSF 1.50	9100.00	9015.56		MinPt-ADP
150.24	151.63	48.62	-1.39	1.49	OSF 1.50	9890.00	9805.36	OSF>1.50	Exit Minor
504.08	154.59	400.49	349.50	4.93	OSF 5.00	10490.00	10261.12	OSF>5.00	Exit Alert
10510.49	165.03	10399.97	10345.47	96.40		20518.19	10275.00		TD

30-025-40582 - EATA FAJITA STATE 1H - Gyro-MWD to 15607ft - A (DefinitiveSurvey) - **Fail Minor**

10091.53	32.81	10088.14	10058.72	7133.52		0.00	0.00		Surface
10091.32	32.81	10087.93	10058.52	7130.98		23.00	23.00		WRP
10091.01	32.81	10087.60	10058.21	7003.69		100.00	100.00		MinPts
10091.37	32.81	10087.47	10058.56	5250.68		240.00	240.00		MinPt-EOU
10092.00	32.81	10087.46	10059.19	3947.26		340.00	340.00		MinPt-EOU
10095.03	32.81	10082.97	10062.22	1001.44		1150.00	1150.00		MinPt-EOU
10096.31	32.81	10082.88	10063.50	881.40		1290.00	1290.00		MinPt-EOU
10097.14	32.81	10082.97	10064.33	813.22		1390.00	1390.00		MinPt-EOU
878.75	213.08	736.20	665.67	6.22		15690.00	10300.01		MinPt-SF
878.69	213.02	736.17	665.66	6.22		15700.00	10299.96		MinPts
875.54	210.21	734.91	665.34	6.28		15990.00	10298.46		MinPt-ADP
875.40	210.04	734.87	665.36	6.29		16020.00	10298.30		MinPt-EOU
875.33	209.85	734.93	665.48	6.29		16060.00	10298.10		MinPt-CtCt
875.07	209.05	735.21	666.03	6.31		16260.00	10297.06		MinPts
875.07	209.04	735.21	666.03	6.31		16270.00	10297.01		MinPt-CtCt
879.65	209.12	739.74	670.53	6.34		16730.00	10294.63		MinPt-SF
875.67	209.93	735.22	665.74	6.29		17040.00	10293.02		MinPt-CtCt
875.69	209.99	735.20	665.70	6.29		17050.00	10292.97		MinPt-EOU
875.75	210.05	735.21	665.69	6.29		17060.00	10292.92		MinPt-ADP
876.74	210.42	735.96	666.32	6.28		17120.00	10292.61		MinPt-SF
885.43	212.55	743.23	672.88	6.28		17530.00	10290.48		MinPt-CtCt
885.97	213.75	742.97	672.22	6.25		17690.00	10289.65		MinPt-EOU
886.71	214.76	743.03	671.94	6.23		17810.00	10289.03		MinPt-ADP
883.66	221.14	735.74	662.53	6.02		18470.00	10285.61		MinPt-CtCt
883.82	221.62	735.57	662.20	6.01		18510.00	10285.40		MinPt-EOU
884.02	221.86	735.61	662.16	6.01		18530.00	10285.30		MinPt-ADP
885.14	223.19	735.85	661.96	5.98		18630.00	10284.78		MinPt-EOU
885.48	223.59	735.92	661.89	5.97		18660.00	10284.63		MinPt-ADP
882.69	234.79	725.66	647.90	5.67		19360.00	10281.00		MinPt-CtCt
882.91	235.63	725.32	647.28	5.65		19410.00	10280.74		MinPt-EOU
883.16	235.96	725.35	647.20	5.64		19430.00	10280.64		MinPt-ADP

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	884.90	241.15	723.64	643.75	5.53		19700.00	10279.24				MinPts
	626.57	190.59	499.01	435.97	4.96	OSF 5.00	19980.00	10277.79	OSF<=5.00			Enter Alert
	277.44	278.06	91.57	-0.62	1.50	OSF 1.50	20510.00	10275.04		OSF<=1.50		Enter Minor
	276.59	278.63	90.34	-2.04	1.49	OSF 1.50	20518.19	10275.00				MinPts
Coterra Tres Equis 5-8 State Com 301H 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	11.13	3.60	2.47	CtCt 15.00m	790.00	790.00				MinPts
	20.20	16.39	10.86	3.80	2.35	CtCt 15.00m	840.00	840.00				MinPt-EOU
	21.03	16.39	11.22	4.64	2.32	CtCt 15.00m	890.00	890.00				MinPt-SF
	74.02	22.90	58.42	51.12	5.00	OSF 5.00	1520.00	1520.00	OSF>5.00			Exit Alert
	133.86	40.89	106.27	92.97	4.99	OSF 5.00	2740.00	2719.99	OSF<=5.00			Enter Alert
	132.35	54.46	95.72	77.89	3.68	OSF 5.00	3550.00	3505.92				MinPt-CtCt
	133.87	68.78	87.69	65.09	2.94	OSF 5.00	4330.00	4262.79				MinPt-EOU
	134.18	69.16	87.75	65.02	2.93	OSF 5.00	4350.00	4282.26				MinPt-ADP
	135.47	70.06	88.43	65.41	2.92	OSF 5.00	4400.00	4331.08				MinPt-SF
	300.10	90.91	239.17	209.20	4.99	OSF 5.00	5810.00	5731.16	OSF>5.00			Exit Alert
	512.03	148.79	412.50	363.23	5.19		9830.00	9745.56				MinPt-EOU
	512.08	148.86	412.51	363.22	5.18		9840.00	9755.55				MinPt-ADP
	512.62	149.11	412.88	363.50	5.18		9880.00	9795.43				MinPt-SF
	1363.27	353.06	1127.57	1010.21	5.80		20518.19	10275.00				MinPts
Coterra Tres Equis 5-8 State Com 212H Rev0 kFc 23Oct25 (DefinitivePlan) - Warning Alert												
	39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m			Enter Alert
	39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	23.00	23.00				WRP
	39.99	32.39	26.23	7.60	3.10	OSF 5.00	1290.00	1290.00				MinPt-EOU
	39.99	32.39	23.46	7.60	2.51	OSF 5.00	1600.00	1600.00				MinPts
	40.14	32.39	23.32	7.75	2.47	OSF 5.00	1630.00	1630.00				MinPt-EOU
	40.82	32.39	23.60	8.42	2.45	OSF 5.00	1670.00	1669.99				MinPt-SF
	104.17	32.39	82.35	71.77	4.95	OSF 5.00	2150.00	2146.63	OSF>5.00			Exit Alert
	852.89	71.70	804.77	781.20	18.07		4699.86	4627.11				MinPt-SF
	1054.15	150.73	953.34	903.43	10.55		10300.00	10160.34				MinPt-CtCt
	1054.20	150.81	953.33	903.39	10.54		10310.00	10166.93				MinPts
	1056.76	151.48	955.45	905.28	10.52		10390.00	10214.70				MinPt-SF
	886.87	136.59	795.48	750.28	9.80		11470.00	10321.88				MinPt-CtCt
	894.71	269.11	714.97	625.60	5.00	OSF 5.00	17450.00	10290.90	OSF<=5.00			Enter Alert
	898.77	359.48	658.79	539.30	3.76	OSF 5.00	20518.19	10275.00				MinPts
Coterra Tres Equis 5-8 State Com 211H Rev0 kFc 23Oct25 (DefinitivePlan) - Warning Alert												
	39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	0.00	0.00	CtCt<=15.00m			Enter Alert
	39.99	32.39	36.70	7.60	19.35	CtCt 15.00m	23.00	23.00				WRP
	39.99	32.39	32.95	7.60	6.72	CtCt 15.00m	600.00	600.00				MinPts
	40.20	32.39	32.78	7.80	6.35	CtCt 15.00m	640.00	640.00				MinPt-EOU
	45.67	32.39	36.66	13.28	5.75	CtCt 15.00m	810.00	810.00				MinPt-SF
	48.70	32.39	39.22	16.30	5.79	CtCt 15.00m	860.00	860.00	CtCt>15.00m			Exit Alert
	209.45	46.32	178.23	163.12	6.90		3060.00	3030.48				MinPt-EOU
	227.84	68.58	181.79	159.26	5.03		4300.00	4233.65				MinPt-ADP
	228.80	69.33	182.25	159.47	5.00	OSF 5.00	4340.00	4272.52	OSF<=5.00			Enter Alert
	233.27	71.14	185.51	162.12	4.97	OSF 5.00	4440.00	4370.26				MinPt-SF
	239.77	72.67	190.99	167.10	5.00	OSF 5.00	4530.00	4458.81	OSF>5.00			Exit Alert
	503.14	151.69	401.69	351.45	5.00	OSF 5.00	10090.00	9995.34	OSF<=5.00			Enter Alert
	500.70	151.40	399.44	349.30	4.98	OSF 5.00	10170.00	10063.64				MinPt-SF
	500.63	151.37	399.35	349.26	4.98	OSF 5.00	10180.00	10071.75				MinPts
	501.43	151.22	400.29	350.21	5.00	OSF 5.00	10230.00	10110.71	OSF>5.00			Exit Alert
	852.56	122.40	770.63	730.16	10.52		11090.00	10323.86				MinPt-SF
	875.47	263.35	699.57	612.11	5.00	OSF 5.00	17470.00	10290.79	OSF<=5.00			Enter Alert
	877.25	354.20	640.79	523.05	3.72	OSF 5.00	20518.19	10275.00				MinPts
Coterra Tres Equis 5-8 State 352H - Corrected MWD to 22391ft (DefinitiveSurvey) - Warning Alert												
	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
	100.40	32.81	95.66	67.59	28.73		400.00	400.00				MinPts
	76.85	32.81	60.65	44.04	4.99	OSF 5.00	1610.00	1610.00	OSF<=5.00			Enter Alert
	59.66	32.81	39.06	26.85	2.99	OSF 5.00	2056.98	2055.04				MinPts
	59.74	32.81	39.01	26.94	2.98	OSF 5.00	2070.00	2067.89				MinPt-EOU
	60.22	32.81	39.29	27.41	2.97	OSF 5.00	2090.00	2087.61				MinPt-SF
	112.30	34.70	88.84	77.60	4.95	OSF 5.00	2360.00	2351.27	OSF>5.00			Exit Alert
	1171.74	83.27	1115.90	1088.47	21.34		5680.00	5601.88				MinPt-SF
	1277.81	89.19	1218.02	1188.62	21.71		6090.00	6009.63				MinPt-SF
	1361.87	138.50	1269.20	1223.37	14.84		9350.00	9265.56				MinPt-CtCt
	1341.10	149.27	1241.26	1191.83	13.56		10350.00	10191.93				MinPt-CtCt
	1341.11	149.35	1241.22	1191.76	13.55		10360.00	10197.84				MinPt-EOU
	1341.17	149.42	1241.23	1191.75	13.54		10370.00	10203.60				MinPt-ADP
	1344.87	150.16	1244.44	1194.71	13.51		10470.00	10253.08				MinPt-SF
	2341.82	137.61	2249.76	2204.21	25.70		12200.00	10318.09				MinPt-CtCt
	2341.94	137.89	2249.69	2204.05	25.65		12230.00	10317.94				MinPt-EOU
	2342.12	138.10	2249.73	2204.02	25.61		12250.00	10317.84				MinPt-ADP
	2355.69	145.28	2258.51	2210.41	24.48		12720.00	10315.40				MinPt-ADP
	2355.51	154.53	2252.16	2200.98	23.00		13200.00	10312.91				MinPt-CtCt
	2354.77	158.69	2248.66	2196.09	22.39		13410.00	10311.83				MinPt-CtCt
	2357.16	171.49	2242.50	2185.67	20.73		14020.00	10308.67				MinPt-EOU
	2357.41	171.80	2242.55	2185.61	20.69		14040.00	10308.56				MinPt-ADP
	2364.73	179.28	2244.88	2185.45	19.89		14360.00	10306.90				MinPt-EOU
	2365.12	182.07	2243.41	2183.05	19.58		14460.00	10306.39				MinPt-CtCt
	2365.32	182.67	2243.21	2182.85	19.52		14500.00	10306.18				MinPt-EOU
	2365.57	182.97	2243.26	2182.60	19.49		14520.00	10306.07				MinPt-ADP
	2361.46	205.51	2224.12	2155.95	17.31		15410.00	10301.46				MinPt-CtCt
	2364.71	214.35	2221.48	2150.36	16.62		15770.00	10299.60				MinPt-EOU
	2368.08	221.70	2219.95	2146.38	16.09		16040.00	10298.20				MinPt-EOU
	2370.21	225.21	2219.74	2144.99	15.85		16170.00	10297.53				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
2371.78	227.08	2220.06	2144.69	15.73			16250.00	10297.11				MinPt-ADP
2376.23	247.65	2210.80	2128.58	14.44			16950.00	10293.49				MinPt-CiCt
2375.51	254.17	2205.74	2121.34	14.07			17180.00	10292.29				MinPt-CiCt
2375.83	255.12	2205.42	2120.71	14.02			17230.00	10292.04				MinPt-EOU
2376.29	255.68	2205.50	2120.60	13.99			17260.00	10291.88				MinPt-ADP
2378.71	265.37	2201.47	2113.34	13.49			17570.00	10290.27				MinPt-CiCt
2379.20	266.81	2201.00	2112.40	13.42			17640.00	10289.91				MinPt-EOU
2378.51	273.46	2195.88	2105.05	13.09			17850.00	10288.82				MinPt-CiCt
2378.80	274.40	2195.54	2104.40	13.04			17900.00	10288.56				MinPt-EOU
2379.26	274.96	2195.62	2104.30	13.02			17930.00	10288.41				MinPt-ADP
2378.02	283.09	2188.96	2094.92	12.64			18180.00	10287.11				MinPt-CiCt
2378.22	283.73	2188.74	2094.49	12.61			18220.00	10286.91				MinPt-EOU
2378.35	283.89	2188.76	2094.46	12.61			18230.00	10286.85				MinPt-ADP
2397.57	299.98	2197.26	2097.59	12.02			18780.00	10284.01				MinPt-EOU
2405.94	320.95	2191.64	2084.98	11.27			19480.00	10280.38				MinPt-EOU
2409.10	331.12	2188.02	2077.98	10.94			19790.00	10278.77				MinPt-CiCt
2410.09	333.99	2187.10	2076.10	10.85			19910.00	10278.15				MinPt-EOU
2412.35	339.46	2185.72	2072.89	10.69			20090.00	10277.22				MinPt-EOU
2414.20	342.39	2185.61	2071.81	10.60			20190.00	10276.70				MinPt-EOU
2415.00	353.08	2179.29	2061.93	10.28			20510.00	10275.04				MinPt-CiCt
2415.02	353.17	2179.24	2061.85	10.28			20518.19	10275.00				MinPts

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

59.99	32.81	56.71	27.18	29.35			0.00	0.00				Surface
59.99	32.81	56.71	27.18	29.35			23.00	23.00				WRP
59.99	32.81	46.92	27.18	4.98		OSF 5.00	1220.00	1220.00	OSF<=5.00			Enter Alert
59.99	32.81	46.23	27.18	4.71		OSF 5.00	1290.00	1290.00				MinPt-EOU
59.99	32.81	43.56	27.18	3.82		OSF 5.00	1590.00	1590.00				MinPts
60.03	32.81	43.40	27.22	3.77		OSF 5.00	1610.00	1610.00				MinPt-EOU
61.16	32.81	44.05	28.35	3.73		OSF 5.00	1660.00	1660.00				MinPt-SF
93.00	32.81	73.48	60.20	4.96		OSF 5.00	1920.00	1919.33	OSF>5.00			Exit Alert
1319.82	364.91	1076.22	954.91	5.44			20518.19	10275.00				MinPts

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

134.14	32.81	131.44	101.33	93.93			0.00	0.00				MinPts
134.15	32.81	131.45	101.34	93.93			23.00	23.00				WRP
135.39	32.81	130.68	102.58	39.24			390.00	390.00				MinPt-EOU
137.72	32.81	130.06	104.91	21.42			700.00	700.00				MinPt-EOU
134.86	32.81	121.50	102.05	11.06			1290.00	1290.00				MinPt-EOU
134.30	32.81	119.08	101.49	9.37			1510.00	1510.00				MinPts
134.68	32.81	118.68	101.87	8.90			1590.00	1590.00				MinPt-EOU
107.89	33.19	85.43	74.69	4.98		OSF 5.00	2250.00	2244.44	OSF<=5.00			Enter Alert
62.35	46.82	30.81	15.53	2.01		OSF 5.00	3062.48	3032.89				MinPt-CiCt
62.65	47.69	30.53	14.96	1.98		OSF 5.00	3120.00	3088.70				MinPt-EOU
63.03	48.12	30.62	14.90	1.97		OSF 5.00	3150.00	3117.81				MinPt-ADP
63.36	48.41	30.76	14.95	1.97		OSF 5.00	3170.00	3137.21				MinPt-SF
194.77	71.85	146.54	122.92	4.10		OSF 5.00	4790.00	4716.76				MinPt-SF
202.36	76.79	150.84	125.57	3.98		OSF 5.00	5110.00	5035.00				MinPt-ADP
198.94	100.95	131.31	97.98	2.97		OSF 5.00	6690.00	6608.34				MinPt-CiCt
182.75	111.20	108.29	71.55	2.47		OSF 5.00	7410.00	7325.56				MinPt-CiCt
182.82	111.40	108.22	71.41	2.47		OSF 5.00	7430.00	7345.56				MinPts
183.06	111.60	108.33	71.46	2.47		OSF 5.00	7450.00	7365.56				MinPt-SF
199.57	147.61	100.83	51.96	2.03		OSF 5.00	10000.00	9912.46				MinPt-CiCt
199.67	147.92	100.74	51.76	2.03		OSF 5.00	10020.00	9931.34				MinPt-EOU
199.83	148.08	100.78	51.75	2.03		OSF 5.00	10030.00	9940.69				MinPts
509.95	155.54	405.92	354.41	4.94		OSF 5.00	10630.00	10300.60	OSF>5.00			Exit Alert
1963.13	131.50	1875.14	1831.64	22.55			12820.00	10314.88				MinPt-CiCt
1954.99	188.78	1828.80	1766.21	15.61			15090.00	10303.12				MinPt-CiCt
1952.89	208.12	1813.81	1744.77	14.13			15770.00	10299.60				MinPt-CiCt
1953.54	210.07	1813.16	1743.46	14.01			15860.00	10299.13				MinPt-EOU
1960.47	228.14	1808.05	1732.34	12.94			16480.00	10295.92				MinPt-EOU
1963.95	233.06	1808.25	1730.89	12.69			16650.00	10295.04				MinPt-EOU
1972.53	250.55	1805.17	1721.98	11.85			17230.00	10292.04				MinPt-EOU
1975.34	264.16	1798.90	1711.18	11.25			17650.00	10289.86				MinPt-CiCt
1975.87	265.62	1798.46	1710.24	11.19			17720.00	10289.50				MinPt-EOU
1976.38	266.25	1798.55	1710.13	11.17			17750.00	10289.34				MinPt-ADP
1982.70	279.59	1795.98	1703.11	10.67			18180.00	10287.11				MinPt-EOU
1984.91	282.18	1796.47	1702.73	10.58			18280.00	10286.60				MinPt-ADP
1987.61	292.80	1792.08	1694.80	10.21			18580.00	10285.04				MinPt-CiCt
1988.05	293.99	1791.72	1694.05	10.17			18640.00	10284.73				MinPt-EOU
1989.45	295.59	1792.06	1693.85	10.12			18710.00	10284.37				MinPt-ADP
1994.38	300.65	1793.61	1693.72	9.98			18880.00	10283.49				MinPt-ADP
1995.12	310.88	1787.54	1684.24	9.65			19160.00	10282.04				MinPt-CiCt
1994.06	319.88	1780.48	1674.18	9.37			19450.00	10280.53				MinPt-CiCt
1995.40	323.37	1779.49	1672.03	9.28			19590.00	10279.81				MinPt-EOU
2002.48	338.73	1776.33	1663.75	8.89			20050.00	10277.43				MinPt-CiCt
2003.22	341.38	1775.30	1661.84	8.82			20160.00	10276.86				MinPt-EOU
2008.88	352.72	1773.40	1656.16	8.56			20518.19	10275.00				MinPts

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

116.60	32.81	113.89	83.79	81.52			0.00	0.00				MinPts
116.60	32.81	113.90	83.79	81.52			23.00	23.00				WRP
121.50	32.81	108.07	88.69	9.90			1290.00	1290.00				MinPt-EOU
100.04	32.81	79.15	67.23	4.98		OSF 5.00	2090.00	2087.61	OSF<=5.00			Enter Alert
92.66	33.74	69.83	58.91	4.20		OSF 5.00	2281.44	2275.03				MinPt-CiCt
92.76	34.03	69.74	58.73	4.17		OSF 5.00	2300.00	2293.06				MinPt-EOU
92.89	34.18	69.77	58.71	4.15		OSF 5.00	2310.00	2302.76				MinPt-ADP
94.41	34.96	70.78	59.45	4.12		OSF 5.00	2360.00	2351.27				MinPt-SF
132.14	40.52	104.80	91.62	4.98		OSF 5.00	2740.00	2719.99	OSF>5.00			Exit Alert
903.19	117.25	824.69	785.94	11.64			7900.00	7815.56				MinPt-CiCt
871.79	148.84	772.23	722.95	8.83			10300.00	10160.34				MinPt-CiCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
871.81	148.93		772.19	722.88	8.83		10310.00	10166.93				MinPts
873.58	149.48		773.61	724.11	8.81		10370.00	10203.60				MinPt-SF
2368.16	134.54		2278.14	2233.62	26.59		12600.00	10316.02				MinPt-CiCt
2368.40	138.93		2275.45	2229.47	25.74		12830.00	10314.83				MinPt-CiCt
2370.10	150.56		2269.39	2219.53	23.76		13380.00	10311.98				MinPt-CiCt
2370.45	151.68		2269.00	2218.77	23.59		13450.00	10311.62				MinPt-EOU
2370.99	152.32		2269.12	2218.67	23.49		13490.00	10311.41				MinPt-ADP
2365.55	173.24		2249.73	2192.31	20.59		14340.00	10307.01				MinPt-CiCt
2365.68	173.66		2249.58	2192.02	20.54		14370.00	10306.85				MinPt-EOU
2365.89	173.93		2249.61	2191.96	20.51		14390.00	10306.75				MinPt-ADP
2361.19	184.10		2238.13	2177.09	19.33		14760.00	10304.83				MinPt-CiCt
2362.07	186.65		2237.31	2175.42	19.08		14880.00	10304.21				MinPt-EOU
2361.60	203.67		2225.49	2157.93	17.47		15480.00	10301.10				MinPt-CiCt
2361.98	204.72		2225.17	2157.26	17.38		15540.00	10300.79				MinPt-EOU
2362.74	205.90		2225.14	2156.84	17.29		15590.00	10300.53				MinPt-EOU
2370.70	215.70		2226.58	2155.00	16.55		15950.00	10298.67				MinPt-ADP
2378.23	223.50		2228.90	2154.73	16.03		16220.00	10297.27				MinPt-ADP
2383.26	236.40		2225.33	2146.86	15.18		16630.00	10295.14				MinPt-CiCt
2377.10	252.67		2208.33	2124.43	14.16		17190.00	10292.24				MinPt-CiCt
2377.92	255.14		2207.49	2122.77	14.03		17300.00	10291.67				MinPt-EOU
2379.56	267.28		2201.05	2112.28	13.40		17680.00	10289.70				MinPt-CiCt
2380.77	270.62		2200.03	2110.15	13.24		17820.00	10288.98				MinPt-EOU
2382.40	272.58		2200.35	2109.82	13.15		17900.00	10288.56				MinPt-ADP
2392.59	285.47		2201.95	2107.12	12.61		18330.00	10286.34				MinPt-ADP
2398.25	291.38		2203.67	2106.87	12.38		18530.00	10285.30				MinPt-ADP
2403.48	297.18		2205.03	2106.30	12.17		18720.00	10284.32				MinPt-ADP
2404.05	297.75		2205.22	2106.30	12.15		18740.00	10284.21				MinPt-ADP
2402.40	311.97		2194.09	2090.42	11.58		19150.00	10282.09				MinPt-CiCt
2402.84	313.39		2193.58	2089.45	11.53		19220.00	10281.73				MinPt-EOU
2405.96	319.45		2192.67	2086.52	11.33		19420.00	10280.69				MinPt-EOU
2406.88	320.57		2192.84	2086.31	11.29		19470.00	10280.43				MinPt-ADP
2418.28	353.71		2182.15	2064.57	10.26		20518.19	10275.00				MinPts

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

152.29	32.81		149.70	119.49	106.84		0.00	0.00				MinPts
152.31	32.81		149.72	119.50	106.85		23.00	23.00				WRP
159.05	32.81		147.89	126.24	15.81		1080.00	1080.00				MinPts
159.29	32.81		146.06	126.48	13.12		1290.00	1290.00				MinPt-EOU
133.28	40.87		105.71	92.42	4.98	OSF 5.00	2750.00	2729.69	OSF<=5.00			Enter Alert
96.35	60.85		55.46	35.50	2.39	OSF 5.00	3860.00	3806.72				MinPt-CiCt
97.61	64.37		54.36	33.23	2.29	OSF 5.00	4040.00	3981.37				MinPt-EOU
95.98	75.10		45.59	20.88	1.92	OSF 5.00	4610.90	4538.80				MinPt-CiCt
96.11	75.65		45.35	20.46	1.91	OSF 5.00	4650.00	4577.57				MinPt-EOU
96.33	75.92		45.39	20.41	1.91	OSF 5.00	4670.00	4597.43				MinPt-ADP
96.49	76.05		45.46	20.44	1.91	OSF 5.00	4680.00	4607.37				MinPt-SF
313.52	139.28		220.34	174.24	3.39	OSF 5.00	9260.00	9175.56				MinPt-CiCt
315.50	146.91		217.23	168.59	3.23	OSF 5.00	9790.00	9705.56				MinPt-EOU
315.79	147.26		217.29	168.53	3.23	OSF 5.00	9816.97	9732.53				MinPt-ADP
316.24	147.51		217.57	168.73	3.23	OSF 5.00	9850.00	9765.54				MinPt-SF
502.64	152.16		400.87	350.48	4.98	OSF 5.00	10510.00	10268.51	OSF>5.00			Exit Alert
2346.90	127.43		2261.62	2219.47	27.83		12550.00	10316.28				MinPt-EOU
2347.65	130.90		2260.05	2216.75	27.09		12710.00	10315.45				MinPt-CiCt
2349.58	136.74		2258.09	2212.84	25.95		13020.00	10313.85				MinPt-EOU
2347.57	147.22		2249.10	2200.36	24.07		13470.00	10311.51				MinPt-CiCt
2348.43	150.76		2247.59	2197.67	23.51		13640.00	10310.63				MinPt-EOU
2348.83	151.26		2247.66	2197.57	23.44		13670.00	10310.48				MinPt-ADP
2357.04	163.20		2247.92	2193.85	21.79		14150.00	10307.99				MinPt-EOU
2358.36	166.58		2246.98	2191.78	21.35		14260.00	10307.42				MinPt-CiCt
2358.84	168.09		2246.45	2190.75	21.16		14340.00	10307.01				MinPt-EOU
2359.63	169.05		2246.61	2190.59	21.05		14390.00	10306.75				MinPt-ADP
2362.97	175.41		2245.70	2187.56	20.31		14600.00	10305.66				MinPt-CiCt
2363.71	181.84		2242.15	2181.86	19.60		14840.00	10304.42				MinPt-CiCt
2364.07	186.95		2239.11	2177.12	19.06		15030.00	10303.43				MinPt-CiCt
2364.59	192.16		2236.15	2172.43	18.55		15220.00	10302.45				MinPt-CiCt
2365.06	193.52		2235.71	2171.53	18.42		15290.00	10302.09				MinPt-EOU
2368.73	207.36		2230.16	2161.37	17.21		15760.00	10299.65				MinPt-CiCt
2372.24	216.01		2227.91	2156.23	16.54		16090.00	10297.94				MinPt-EOU
2372.92	231.64		2218.16	2141.27	15.43		16600.00	10295.30				MinPt-CiCt
2371.67	241.07		2210.63	2130.60	14.81		16920.00	10293.64				MinPt-CiCt
2374.48	282.40		2185.89	2092.09	12.65		18290.00	10286.54				MinPt-CiCt
2375.04	284.10		2185.31	2090.94	12.58		18370.00	10286.13				MinPt-EOU
2375.74	284.95		2185.44	2090.78	12.54		18410.00	10285.92				MinPt-ADP
2379.53	291.17		2185.08	2088.35	12.29		18600.00	10284.94				MinPt-EOU
2380.01	291.77		2185.17	2088.24	12.27		18630.00	10284.78				MinPt-ADP
2388.30	301.99		2186.65	2086.31	11.90		18930.00	10283.23				MinPt-CiCt
2395.79	341.77		2167.62	2054.02	10.54		20210.00	10276.60				MinPt-CiCt
2395.31	349.02		2162.30	2046.29	10.32		20440.00	10275.41				MinPt-CiCt
2395.68	351.39		2161.10	2044.30	10.25		20518.19	10275.00				MinPts

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

970.68	32.81		967.25	937.87	684.86		0.00	0.00				MinPts
970.72	32.81		967.32	937.91	684.85		23.00	23.00				WRP
978.99	32.81		964.61	946.18	78.76		1290.00	1290.00				MinPt-EOU
319.28	97.12		254.00	222.16	4.99	OSF 5.00	6140.00	6059.35	OSF<=5.00			Enter Alert
290.41	111.80		215.33	178.61	3.93	OSF 5.00	7030.00	6945.56				MinPt-CiCt
293.25	123.93		210.09	169.31	3.58	OSF 5.00	7910.00	7825.56				MinPt-EOU
184.20	149.99		83.67	34.21	1.85	OSF 5.00	10330.00	10179.70				MinPt-SF
184.05	149.87		83.60	34.18	1.85	OSF 5.00	10339.34	10185.48				MinPts
506.52	153.18		403.86	353.34	5.00	OSF 5.00	10840.00	10324.69	OSF>5.00			Exit Alert
858.80	113.12		782.68	745.48	11.52		11820.00	10320.06				MinPt-CiCt
858.95	113.86		782.54	745.09	11.45		11880.00	10319.75				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	860.48	119.73	780.16	740.75	10.90		12200.00	10318.09				MinPt-CiCt
	856.20	129.95	769.07	726.25	9.98		12650.00	10315.76				MinPt-CiCt
	855.85	139.92	762.07	715.94	9.26		13100.00	10313.43				MinPt-CiCt
	856.19	141.00	761.69	715.19	9.19		13160.00	10313.12				MinPt-EOU
	860.79	149.05	760.92	711.74	8.74		13500.00	10311.36				MinPt-EOU
	864.48	160.86	756.74	703.62	8.12		13860.00	10309.49				MinPt-CiCt
	865.26	163.37	755.85	701.90	8.00		13950.00	10309.03				MinPt-EOU
	866.14	164.45	756.01	701.69	7.96		13990.00	10308.82				MinPt-ADP
	873.41	174.71	756.44	698.70	7.55		14290.00	10307.27				MinPt-EOU
	875.18	176.80	756.81	698.38	7.48		14360.00	10306.90				MinPt-ADP
	880.11	196.20	748.81	683.91	6.77		14980.00	10303.69				MinPts
	880.08	196.18	748.80	683.91	6.77		14990.00	10303.64				MinPts
	5600.69	170.89	5486.27	5429.80	49.58		20518.19	10275.00				TD
30-025-46753 - HEMLOCK 32 STATE 202H - MWD to 14813ft - A (DefinitiveSurvey) - Warning Alert												
	1272.82	32.81	1269.43	1240.02	898.47		0.00	0.00				MinPts
	1272.84	32.81	1269.45	1240.03	898.43		23.00	23.00				WRP
	283.94	86.92	225.46	197.02	4.96	OSF 5.00	5460.00	5383.08	OSF<=5.00			Enter Alert
	207.35	101.39	139.22	105.96	3.09	OSF 5.00	6133.84	6053.23				MinPt-CiCt
	207.42	101.64	139.12	105.78	3.09	OSF 5.00	6150.00	6069.30				MinPt-EOU
	207.53	101.78	139.14	105.75	3.08	OSF 5.00	6160.00	6079.24				MinPt-ADP
	208.16	102.19	139.50	105.97	3.08	OSF 5.00	6190.00	6109.08				MinPt-SF
	284.17	143.61	187.89	140.56	2.98	OSF 5.00	9270.00	9185.56				MinPt-CiCt
	284.54	144.70	187.53	139.83	2.97	OSF 5.00	9350.00	9265.56				MinPt-EOU
	284.90	145.12	187.61	139.77	2.96	OSF 5.00	9380.00	9295.56				MinPt-ADP
	286.54	146.27	188.48	140.27	2.95	OSF 5.00	9460.00	9375.56				MinPt-SF
	448.38	136.41	366.90	311.97	4.97	OSF 5.00	10020.00	9931.34	OSF>5.00			Exit Alert
	10578.77	164.06	10468.90	10414.71	97.60		20518.19	10275.00				TD
30-025-44343 - HEMLOCK 32 STATE 701H - MWD to 17540ft - A (DefinitiveSurvey) - Warning Alert												
	1225.05	32.81	1221.66	1192.25	864.69		0.00	0.00				MinPts
	1225.06	32.81	1221.67	1192.25	864.67		23.00	23.00				WRP
	1227.21	32.81	1220.39	1194.40	253.27		550.00	550.00				MinPt-EOU
	1233.14	32.81	1219.04	1200.33	101.58		1290.00	1290.00				MinPt-EOU
	431.23	130.58	343.63	300.65	5.00	OSF 5.00	8720.00	8635.56	OSF<=5.00			Enter Alert
	430.73	131.70	342.40	299.04	4.95	OSF 5.00	8794.24	8709.80				MinPt-CiCt
	431.01	132.52	342.12	298.49	4.92	OSF 5.00	8850.00	8765.56				MinPt-EOU
	431.39	132.97	342.21	298.42	4.91	OSF 5.00	8880.00	8795.56				MinPt-ADP
	441.28	146.43	343.12	294.85	4.55	OSF 5.00	9816.97	9732.53				MinPt-EOU
	441.29	146.45	343.12	294.84	4.55	OSF 5.00	9820.00	9735.56				MinPt-ADP
	441.59	146.80	343.32	294.99	4.55	OSF 5.00	9840.00	9755.55				MinPt-SF
	490.61	149.13	390.65	341.48	4.97	OSF 5.00	10140.00	10038.72	OSF>5.00			Exit Alert
	10506.47	166.73	10394.82	10339.74	95.36		20518.19	10275.00				TD
30-025-41056 - HEARTTHROB BSX STATE 1H - Gyro-MWD to 15815ft - A (DefinitiveSurvey) - Warning Alert												
	10479.54	32.81	10476.15	10446.74	7407.69		0.00	0.00				Surface
	10479.40	32.81	10476.00	10446.59	7406.39		23.00	23.00				WRP
	10479.25	32.81	10475.84	10446.44	7332.89		80.00	80.00				MinPts
	10479.74	32.81	10475.32	10446.94	4289.38		320.00	320.00				MinPt-EOU
	10482.59	32.81	10474.35	10449.78	1675.16		750.00	750.00				MinPt-EOU
	10482.87	32.81	10469.01	10450.06	882.65		1290.00	1290.00				MinPt-EOU
	10482.82	32.81	10468.69	10450.01	847.34		1360.00	1360.00				MinPts
	10483.51	32.81	10467.13	10450.70	716.86		1710.00	1709.97				MinPt-EOU
	10635.13	75.70	10584.13	10559.43	215.30		5120.00	5044.95				MinPts
	10663.92	90.63	10602.96	10573.29	179.67		6070.00	5989.74				MinPts
	658.51	198.67	525.57	459.85	5.00	OSF 5.00	20240.00	10276.44	OSF<=5.00			Enter Alert
	446.75	239.07	286.87	207.68	2.81	OSF 5.00	20518.19	10275.00				MinPts
30-025-47138 - HEARTTHROB 17 STATE 202H - IFR1 to 14918ft - A (DefinitiveSurvey) - Warning Alert												
	10957.74	32.81	10954.34	10924.93	7745.72		0.00	0.00				Surface
	10957.61	32.81	10954.22	10924.80	7744.74		23.00	23.00				WRP
	10957.50	32.81	10954.10	10924.69	7692.25		70.00	70.00				MinPts
	10958.26	32.81	10953.90	10925.45	4614.80		320.00	320.00				MinPt-EOU
	10958.70	32.81	10953.85	10925.89	3820.67		390.00	390.00				MinPt-EOU
	10680.32	71.84	10631.83	10608.47	228.55		4120.00	4058.99				MinPt-CiCt
	10681.11	74.18	10631.07	10606.93	221.20		4290.00	4223.94				MinPt-EOU
	10502.97	127.72	10417.29	10375.25	124.92		8070.00	7985.56				MinPt-CiCt
	10503.98	130.65	10416.34	10373.33	122.09		8330.00	8245.56				MinPt-EOU
	10505.53	132.50	10416.66	10373.03	120.38		8490.00	8405.56				MinPt-ADP
	10526.41	145.92	10428.59	10380.49	109.40		9520.00	9435.56				MinPt-ADP
	10535.97	148.10	10436.70	10387.88	107.87		9816.97	9732.53				MinPt-SF
	718.73	218.00	572.90	500.74	4.97	OSF 5.00	20370.00	10275.77	OSF<=5.00			Enter Alert
	628.01	234.12	471.44	393.90	4.04	OSF 5.00	20518.19	10275.00				MinPts
30-025-42506 - EATA FAJITA STATE 12H - MWD to 14092ft - A (DefinitiveSurvey) - Warning Alert												
	10144.69	32.81	10141.30	10111.88	7170.94		0.00	0.00				Surface
	10144.55	32.81	10141.16	10111.74	7169.76		23.00	23.00				WRP
	5420.71	162.06	5312.13	5258.64	50.66		9680.00	9595.56				MinPt-CiCt
	5420.75	162.19	5312.08	5258.56	50.62		9700.00	9615.56				MinPt-EOU
	5420.79	162.25	5312.09	5258.55	50.60		9710.00	9625.56				MinPt-ADP
	5422.46	162.83	5313.37	5259.63	50.44		9816.97	9732.53				MinPt-SF
	723.43	197.46	591.30	525.98	5.53		15840.00	10299.24				MinPt-ADP
	723.32	197.41	591.21	525.91	5.53		15870.00	10299.08				MinPts
	723.31	197.39	591.21	525.92	5.53		15880.00	10299.03				MinPt-CiCt
	691.78	201.25	557.11	490.53	5.18		16840.00	10294.06				MinPt-CiCt
	691.91	201.61	557.01	490.31	5.18		16890.00	10293.80				MinPt-EOU
	692.08	201.80	557.05	490.28	5.17		16920.00	10293.64				MinPt-ADP
	695.37	203.19	559.41	492.18	5.16		17120.00	10292.61				MinPt-SF
	696.87	203.72	560.56	493.15	5.16		17240.00	10291.98				MinPt-CiCt
	696.96	204.04	560.43	492.92	5.15		17290.00	10291.72				MinPt-EOU

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
697.12	204.23	560.47	492.89	5.15			17320.00	10291.57				MinPt-ADP
698.55	204.95	561.41	493.60	5.14			17420.00	10291.05				MinPt-SF
691.04	208.48	551.56	482.67	5.00		OSF 5.00	17850.00	10288.82	OSF<=5.00			Enter Alert
674.89	216.05	530.35	458.83	4.71		OSF 5.00	18420.00	10285.87				MinPt-CiCt
675.16	216.80	530.13	458.37	4.69		OSF 5.00	18460.00	10285.66				MinPt-EOU
675.31	216.98	530.16	458.33	4.69		OSF 5.00	18470.00	10285.61				MinPt-ADP
678.80	218.77	532.46	460.03	4.68		OSF 5.00	18570.00	10285.09				MinPt-SF
690.13	222.82	541.08	467.31	4.67		OSF 5.00	18820.00	10283.80				MinPt-SF
674.45	235.49	516.95	438.95	4.31		OSF 5.00	19645.97	10279.52				MinPt-CiCt
674.66	236.14	516.73	438.52	4.30		OSF 5.00	19680.00	10279.34				MinPt-EOU
674.97	236.52	516.79	438.45	4.30		OSF 5.00	19700.00	10279.24				MinPt-ADP
678.61	238.40	519.18	440.22	4.29		OSF 5.00	19800.00	10278.72				MinPt-SF
792.26	239.53	632.07	552.73	4.98		OSF 5.00	20260.00	10276.34	OSF>5.00			Exit Alert
915.67	234.16	759.06	681.51	5.89			20518.19	10275.00				TD

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

349.38	32.81	345.99	316.57	245.93			0.00	0.00				Surface
348.91	32.81	345.52	316.10	245.26			23.00	23.00				WRP
342.17	32.81	327.96	309.36	27.81			1290.00	1290.00				MinPt-EOU
338.56	32.81	321.12	305.75	21.47			1639.89	1639.89				MinPts
338.73	32.81	320.99	305.92	21.09			1670.00	1669.99				MinPt-EOU
384.02	32.81	361.63	351.21	18.53			2150.00	2146.63				MinPt-SF
962.13	69.88	914.95	892.24	21.15			4699.86	4627.11				MinPt-SF
1238.60	107.84	1166.17	1130.77	17.47			7240.00	7155.56				MinPt-CiCt
1240.60	116.06	1162.69	1124.54	16.24			7820.00	7735.56				MinPt-EOU
1247.15	132.88	1158.03	1114.27	14.23			8970.00	8885.56				MinPt-CiCt
1165.45	150.47	1064.59	1014.97	11.73			10580.00	10289.27				MinPts
1167.12	150.90	1065.99	1016.23	11.71			10640.00	10302.61				MinPt-SF
1277.28	143.08	1181.35	1134.20	13.53			11550.00	10321.46				MinPt-CiCt
1277.03	144.42	1180.21	1132.61	13.40			11620.00	10321.10				MinPt-CiCt
1277.68	146.34	1179.58	1131.34	13.23			11730.00	10320.53				MinPt-EOU
1278.24	147.01	1179.70	1131.24	13.17			11770.00	10320.32				MinPt-ADP
1288.19	154.93	1184.40	1133.26	12.58			12130.00	10318.46				MinPt-ADP
1369.41	215.68	1225.13	1153.74	9.58			14030.00	10308.61				MinPt-EOU
1374.99	222.55	1226.13	1152.44	9.32			14230.00	10307.58				MinPt-ADP
1379.36	226.95	1227.55	1152.40	9.17			14350.00	10306.96				MinPt-ADP
1392.62	241.23	1231.30	1151.39	8.70			14710.00	10305.09				MinPt-ADP
1392.95	241.38	1231.53	1151.57	8.70			14720.00	10305.04				MinPt-SF
6013.06	180.77	5892.05	5832.29	50.30			20518.19	10275.00				TD

30-025-40675-0100 - TRES EQUIS 5 STATE 2 ST01 - Gyro+MWD to 10485ft - P (DefinitiveSurvey) - Pass

349.38	32.81	345.99	316.57	245.93			0.00	0.00				Surface
348.91	32.81	345.52	316.10	245.26			23.00	23.00				WRP
342.17	32.81	327.96	309.36	27.81			1290.00	1290.00				MinPt-EOU
338.56	32.81	321.12	305.75	21.47			1639.89	1639.89				MinPts
338.73	32.81	320.99	305.92	21.09			1670.00	1669.99				MinPt-EOU
384.02	32.81	361.63	351.21	18.53			2150.00	2146.63				MinPt-SF
962.13	69.88	914.95	892.24	21.15			4699.86	4627.11				MinPt-SF
1016.68	79.55	963.11	937.13	19.54			5640.00	5562.10				MinPt-CiCt
1016.75	79.84	962.99	936.91	19.47			5670.00	5591.93				MinPt-EOU
1016.91	80.03	963.02	936.88	19.42			5690.00	5611.82				MinPt-ADP
1108.64	94.22	1045.29	1014.42	17.93			7080.00	6995.56				MinPt-CiCt
1108.96	96.62	1044.01	1012.35	17.48			7300.00	7215.56				MinPt-CiCt
1110.89	104.10	1040.95	1006.79	16.24			7970.00	7885.56				MinPt-EOU
1111.15	104.42	1041.00	1006.73	16.19			8000.00	7915.56				MinPt-ADP
1113.38	106.60	1041.78	1006.78	15.88			8190.00	8105.56				MinPt-ADP
1115.56	109.35	1042.12	1006.20	15.51			8420.00	8335.56				MinPt-EOU
1116.01	109.91	1042.20	1006.10	15.44			8470.00	8385.56				MinPt-ADP
1118.59	114.18	1041.94	1004.42	14.88			8820.00	8735.56				MinPt-EOU
1119.17	114.86	1042.06	1004.31	14.80			8880.00	8795.56				MinPt-ADP
1127.77	122.91	1045.29	1004.86	13.93			9530.00	9445.56				MinPt-ADP
1035.73	130.81	947.99	904.92	12.01			10550.00	10281.33				MinPts
1035.79	130.88	948.00	904.91	12.00			10560.00	10284.12				MinPt-ADP
1038.14	131.34	950.04	906.80	11.96			10620.00	10298.50				MinPt-SF
10182.80	150.08	10082.24	10032.71	102.78			20518.19	10275.00				TD

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

498.98	32.81	495.59	466.17	351.37			0.00	0.00				Surface
498.90	32.81	495.50	466.09	351.13			23.00	23.00				WRP
489.43	32.81	475.16	456.62	39.64			1290.00	1290.00				MinPt-EOU
488.65	32.81	471.38	455.84	31.39			1615.33	1615.33				MinPts
488.85	32.81	471.24	456.04	30.73			1650.00	1650.00				MinPt-EOU
984.72	60.76	943.63	923.96	24.99			4050.00	3991.07				MinPt-SF
1116.75	70.40	1069.23	1046.35	24.36			4699.86	4627.11				MinPt-SF
1347.19	106.66	1275.55	1240.54	19.21			7150.00	7065.56				MinPt-CiCt
1347.86	108.68	1274.87	1239.18	18.86			7300.00	7215.56				MinPt-EOU
1350.92	112.34	1275.48	1238.57	18.28			7560.00	7475.56				MinPt-ADP
1354.24	116.16	1276.26	1238.08	17.71			7820.00	7735.56				MinPt-EOU
1358.92	135.61	1267.97	1223.31	15.19			9150.00	9065.56				MinPt-CiCt
1359.70	143.78	1263.31	1215.92	14.33			9710.00	9625.56				MinPt-CiCt
1282.04	150.82	1180.95	1131.22	12.87			10590.00	10291.70				MinPt-CiCt
1282.07	150.88	1180.94	1131.19	12.87			10600.00	10294.05				MinPts
1284.40	151.35	1182.96	1133.05	12.85			10670.00	10308.12				MinPt-SF
1385.11	149.85	1284.67	1235.26	14.00			11550.00	10321.46				MinPt-CiCt
1386.46	154.27	1283.07	1232.19	13.61			11790.00	10320.22				MinPt-EOU
1387.21	158.59	1280.99	1228.63	13.23			12000.00	10319.13				MinPt-EOU
1387.82	159.33	1281.10	1228.49	13.18			12040.00	10318.92				MinPt-ADP
1378.36	181.92	1256.58	1196.44	11.45			12850.00	10314.73				MinPt-CiCt
1378.07	188.56	1251.86	1189.50	11.04			13070.00	10313.59				MinPt-CiCt
1378.99	200.09	1245.09	1178.89	10.40			13430.00	10311.72				MinPt-CiCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1372.51	219.79	1225.48	1152.72	9.42		14000.00	10308.77				MinPt-CtCt
	1357.78	253.33	1188.39	1104.45	8.08		14890.00	10304.16				MinPt-CtCt
	1358.31	254.85	1187.91	1103.46	8.03		14950.00	10303.85				MinPt-EOU
	1359.70	256.95	1187.90	1102.75	7.98		15010.00	10303.54				MinPt-EOU
	1359.95	257.24	1187.95	1102.70	7.97		15020.00	10303.48				MinPts
	5698.60	181.07	5577.38	5517.53	47.59		20518.19	10275.00				TD
30-025-46752 - HEMLOCK 32 STATE 201H - MWD to 14523ft - A (DefinitiveSurvey) - Pass												
	1301.66	32.81	1298.27	1268.85	918.86		0.00	0.00				MinPts
	1301.67	32.81	1298.28	1268.86	918.79		23.00	23.00				WRP
	1285.04	32.81	1268.59	1252.23	87.36		1520.00	1520.00				MinPts
	1285.21	32.81	1268.42	1252.40	85.38		1560.00	1560.00				MinPt-EOU
	541.41	106.32	469.99	435.09	7.73		7030.00	6945.56				MinPt-CtCt
	541.44	107.99	468.91	433.45	7.61		7150.00	7065.56				MinPt-CtCt
	518.81	136.00	427.60	382.81	5.77		9114.39	9029.95				MinPt-CtCt
	518.98	136.66	427.33	382.31	5.75		9160.00	9075.56				MinPt-EOU
	519.22	136.95	427.38	382.27	5.74		9180.00	9095.56				MinPt-ADP
	522.02	138.21	429.35	383.82	5.71		9270.00	9185.56				MinPt-SF
	10610.70	161.76	10502.36	10448.94	99.30		20518.19	10275.00				TD
30-025-45523 - HEMLOCK 32 STATE 703H - MWD to 17405ft - A (DefinitiveSurvey) - Pass												
	679.61	32.81	676.21	646.80	479.07		0.00	0.00				MinPts
	679.63	32.81	676.23	646.82	478.96		23.00	23.00				WRP
	656.73	34.75	632.98	621.98	29.78		2270.52	2264.41				MinPt-CtCt
	656.95	35.49	632.70	621.46	29.14		2320.00	2312.46				MinPt-EOU
	657.31	35.95	632.76	621.36	28.76		2350.00	2341.57				MinPt-ADP
	679.12	49.13	645.78	629.99	21.45		3140.00	3108.10				MinPt-EOU
	680.35	50.63	646.01	629.72	20.83		3230.00	3195.43				MinPt-ADP
	786.80	134.47	696.61	652.33	8.86		8910.00	8825.56				MinPt-CtCt
	786.79	142.71	691.11	644.07	8.35		9490.00	9405.56				MinPt-CtCt
	787.10	143.74	690.73	643.36	8.29		9570.00	9485.56				MinPt-EOU
	787.53	144.26	690.82	643.28	8.26		9610.00	9525.56				MinPt-ADP
	790.11	147.01	691.56	643.10	8.13		9800.00	9715.56				MinPt-EOU
	790.24	147.20	691.57	643.04	8.13		9816.97	9732.53				MinPt-EOU
	790.83	147.83	691.73	642.99	8.10		9900.00	9815.27				MinPt-ADP
	795.63	149.67	695.31	645.96	8.04		10110.00	10012.95				MinPt-SF
	10522.27	168.26	10409.60	10354.01	94.63		20518.19	10275.00				TD
30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A (DefinitiveSurvey) - Pass												
	763.59	32.81	760.19	730.78	538.45		0.00	0.00				Surface
	763.57	32.81	760.18	730.76	538.22		23.00	23.00				WRP
	753.30	32.81	733.81	720.50	42.38		1850.00	1849.68				MinPts
	754.03	32.81	732.55	721.22	38.16		2050.00	2048.15				MinPt-EOU
	803.70	51.87	768.54	751.83	24.01		3300.00	3263.35				MinPt-CtCt
	804.11	53.34	767.97	750.77	23.33		3390.00	3350.68				MinPt-EOU
	804.67	53.99	768.08	750.67	23.06		3430.00	3389.49				MinPt-ADP
	966.47	91.87	924.69	894.60	16.37		5920.00	5840.56				MinPt-CtCt
	987.10	93.75	924.07	893.36	16.04		6050.00	5969.85				MinPt-EOU
	963.32	105.90	892.18	857.42	13.83		6880.00	6795.63				MinPt-CtCt
	922.67	138.49	829.81	784.18	10.09		9180.00	9095.56				MinPt-CtCt
	922.72	138.67	829.74	784.05	10.08		9200.00	9115.56				MinPt-EOU
	922.80	138.76	829.76	784.04	10.08		9210.00	9125.56				MinPt-ADP
	926.35	139.65	832.71	786.70	10.05		9320.00	9235.56				MinPt-SF
	936.15	140.88	841.70	795.28	10.07		9450.00	9365.56				MinPt-SF
	10580.48	163.22	10471.16	10417.26	98.12		20518.19	10275.00				TD
30-025-46755 - HEMLOCK 32 STATE 204H - MWD to 14786ft - A (DefinitiveSurvey) - Pass												
	775.38	32.81	771.98	742.57	546.76		0.00	0.00				MinPts
	775.38	32.81	771.99	742.57	546.61		23.00	23.00				WRP
	775.68	32.81	771.78	742.87	402.05		210.00	210.00				MinPt-EOU
	763.47	32.81	743.23	730.66	41.22		1929.78	1929.05				MinPts
	764.08	32.81	742.76	731.27	38.98		2040.00	2038.27				MinPt-EOU
	1378.61	112.80	1302.87	1265.81	18.58		7400.00	7315.56				MinPt-CtCt
	1378.26	119.17	1298.27	1259.09	17.57		7860.00	7775.56				MinPt-CtCt
	1374.43	137.08	1282.51	1237.35	15.20		9100.00	9015.56				MinPt-CtCt
	1374.14	140.13	1280.18	1234.01	14.86		9310.00	9225.56				MinPt-CtCt
	1374.42	141.02	1279.87	1233.40	14.77		9380.00	9295.56				MinPt-EOU
	1374.84	141.52	1279.96	1233.32	14.72		9420.00	9335.56				MinPt-ADP
	1387.41	143.88	1290.95	1243.53	14.61		9680.00	9595.56				MinPt-SF
	10622.97	165.50	10512.14	10457.47	97.15		20518.19	10275.00				TD
30-025-41057 - HEARTTHROB BSX STATE 2H - Gyro-MWD to 15824ft - A (DefinitiveSurvey) - Pass												
	10436.60	32.81	10433.20	10403.79	7377.29		0.00	0.00				Surface
	10436.46	32.81	10433.07	10403.66	7376.26		23.00	23.00				WRP
	10436.35	32.81	10432.95	10403.54	7326.33		70.00	70.00				MinPts
	10436.36	32.81	10432.94	10403.55	7275.17		90.00	90.00				MinPt-EOU
	10436.49	32.81	10432.93	10403.69	6601.16		160.00	160.00				MinPt-EOU
	10440.78	32.81	10432.26	10407.97	1597.00		780.00	780.00				MinPt-EOU
	10444.26	32.81	10430.37	10411.45	877.04		1290.00	1290.00				MinPt-EOU
	10442.17	32.81	10426.23	10409.36	736.43		1650.00	1650.00				MinPts
	10442.35	32.81	10426.00	10409.55	715.25		1710.00	1709.97				MinPt-EOU
	10640.51	69.85	10593.36	10570.66	234.37		4730.00	4657.09				MinPts
	10729.13	102.82	10660.04	10626.31	158.99		6880.00	6795.63				MinPt-EOU
	10726.61	112.58	10651.02	10614.03	144.98		7640.00	7555.56				MinPt-CtCt
	10722.25	125.73	10637.89	10596.52	129.56		8600.00	8515.56				MinPt-CtCt
	898.68	264.13	722.09	634.54	5.12		20518.19	10275.00				MinPts
30-025-42505 - EATA FAJITA STATE 11H - Gyro-MWD to 14201ft - A (DefinitiveSurvey) - Pass												
	10151.50	32.81	10148.11	10118.69	7175.75		0.00	0.00				Surface
	10151.36	32.81	10147.96	10118.55	7174.58		23.00	23.00				WRP

Offset Trajectory	Separation			Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)			MD (ft)	TVD (ft)	Alert	Minor	Major	
	10151.23	32.81	10147.82	10118.42	7103.31	80.00	80.00				MinPts
	5427.03	146.29	5328.96	5280.74	56.25	9770.00	9685.56				MinPt-CiCt
	5427.08	146.44	5328.92	5280.64	56.19	9790.00	9705.56				MinPt-EOU
	5427.14	146.52	5328.92	5280.62	56.16	9800.00	9715.56				MinPt-ADP
	909.13	256.97	737.31	652.16	5.33	15570.00	10300.64				MinPt-CiCt
	909.18	257.09	737.29	652.09	5.33	15580.00	10300.58				MinPts
	915.97	245.88	751.55	670.09	5.61	16060.00	10298.10				MinPt-CiCt
	914.91	234.57	758.04	680.35	5.88	16730.00	10294.63				MinPts
	908.21	232.27	752.87	675.95	5.89	16950.00	10293.49				MinPt-SF
	907.45	231.97	752.30	675.48	5.90	17020.00	10293.12				MinPt-ADP
	907.36	231.87	752.29	675.50	5.90	17040.00	10293.02				MinPt-EOU
	907.32	231.70	752.35	675.61	5.90	17070.00	10292.86				MinPt-CiCt
	904.23	229.67	750.61	674.55	5.93	17442.96	10290.93				MinPt-CiCt
	904.24	229.70	750.60	674.53	5.93	17450.00	10290.90				MinPt-EOU
	904.27	229.75	750.60	674.52	5.93	17460.00	10290.84				MinPt-ADP
	904.66	229.91	750.89	674.75	5.93	17500.00	10290.64				MinPt-SF
	925.56	230.98	771.08	694.58	6.04	18170.00	10287.17				MinPt-SF
	916.32	234.26	759.65	682.06	5.90	18730.00	10284.26				MinPt-CiCt
	916.49	234.70	759.53	681.79	5.89	18770.00	10284.06				MinPt-EOU
	916.69	234.92	759.58	681.77	5.88	18790.00	10283.95				MinPt-ADP
	919.88	236.33	761.82	683.55	5.87	18930.00	10283.23				MinPt-SF
	908.06	242.59	745.84	665.47	5.64	19520.00	10280.17				MinPt-CiCt
	908.38	243.72	745.39	664.65	5.62	19590.00	10279.81				MinPt-EOU
	908.81	244.24	745.48	664.57	5.61	19620.00	10279.65				MinPt-ADP
	915.04	247.01	749.86	668.03	5.58	19780.00	10278.82				MinPt-SF
	1066.78	249.43	899.99	817.34	6.44	20518.19	10275.00				TD
30-025-48386 - HEARTTHROB 17 STATE 101H - IFR1 to 14270ft - A (DefinitiveSurvey) - Pass											
	10957.28	32.81	10953.89	10924.48	7745.40	0.00	0.00				Surface
	10957.16	32.81	10953.76	10924.35	7744.42	23.00	23.00				WRP
	10956.41	32.81	10950.37	10923.60	2695.57	500.00	500.00				MinPts
	10956.62	32.81	10948.97	10923.81	1932.19	670.00	670.00				MinPts
	10695.89	70.49	10648.31	10625.40	233.39	4070.00	4010.48				MinPt-CiCt
	10696.48	72.15	10647.79	10624.33	227.90	4200.00	4136.62				MinPt-EOU
	10697.38	73.23	10647.97	10624.15	224.48	4280.00	4214.24				MinPt-ADP
	10477.91	117.54	10399.01	10360.37	135.56	7380.00	7295.56				MinPt-CiCt
	10478.17	118.32	10398.76	10359.85	134.66	7470.00	7385.56				MinPt-EOU
	10478.46	118.67	10398.81	10359.79	134.26	7510.00	7425.56				MinPt-ADP
	10481.51	121.73	10399.82	10359.78	130.87	7760.00	7675.56				MinPt-ADP
	10553.37	144.25	10456.67	10409.12	110.96	9816.97	9732.53				MinPt-SF
	1059.04	225.80	908.01	833.24	7.07	20518.19	10275.00				MinPts
30-025-47137 - HEARTTHROB 17 STATE 201H - IFR1 to 14426ft - A (DefinitiveSurvey) - Pass											
	10958.25	32.81	10954.85	10925.44	7746.07	0.00	0.00				Surface
	10958.12	32.81	10954.73	10925.31	7745.13	23.00	23.00				WRP
	10958.02	32.81	10954.61	10925.21	7692.62	70.00	70.00				MinPts
	10957.80	32.81	10952.34	10924.99	3155.80	430.00	430.00				MinPts
	10960.41	32.81	10949.66	10927.61	1248.46	1020.00	1020.00				MinPt-EOU
	10491.61	129.60	10404.67	10362.01	122.95	7990.00	7905.56				MinPt-CiCt
	10491.79	130.15	10404.49	10361.64	122.42	8060.00	7975.56				MinPt-EOU
	10491.98	130.39	10404.52	10361.60	122.20	8090.00	8005.56				MinPt-ADP
	10494.45	132.45	10405.61	10362.00	120.30	8280.00	8195.56				MinPt-ADP
	10508.24	139.27	10414.85	10368.97	114.49	8870.00	8785.56				MinPt-ADP
	10543.40	148.90	10443.59	10394.50	107.36	9816.97	9732.53				MinPt-SF
	1086.01	250.97	918.19	835.04	6.52	20518.19	10275.00				MinPts
30-025-47139 - HEARTTHROB 17 STATE 203H - IFR1 to 14489ft - A (DefinitiveSurvey) - Pass											
	10956.83	32.81	10953.43	10924.02	7745.07	0.00	0.00				Surface
	10956.70	32.81	10953.31	10923.89	7744.13	23.00	23.00				WRP
	10956.60	32.81	10953.19	10923.79	7691.62	70.00	70.00				MinPts
	10957.57	32.81	10952.95	10924.76	4150.78	360.00	360.00				MinPt-EOU
	10959.73	32.81	10952.91	10926.92	2266.90	620.00	620.00				MinPt-EOU
	10961.09	32.81	10952.74	10928.29	1718.98	780.00	780.00				MinPt-EOU
	10722.39	68.08	10676.41	10654.30	242.47	3910.00	3855.23				MinPt-CiCt
	10723.02	70.06	10675.72	10652.95	235.45	4060.00	4000.78				MinPt-EOU
	10723.67	70.84	10675.85	10652.82	232.81	4120.00	4058.99				MinPt-ADP
	10528.50	127.72	10442.82	10400.78	125.21	8140.00	8055.56				MinPt-CiCt
	10528.98	129.14	10442.36	10399.85	123.83	8280.00	8195.56				MinPt-EOU
	10529.39	129.61	10442.44	10399.77	123.37	8330.00	8245.56				MinPt-ADP
	10588.67	145.16	10491.35	10443.50	110.63	9816.97	9732.53				MinPt-SF
	1087.69	243.02	925.18	844.68	6.75	20518.19	10275.00				MinPts
30-025-42487 - EATA FAJITA STATE 13H - Gyro-MWD to 14250ft - A (DefinitiveSurvey) - Pass											
	10048.47	32.81	10045.08	10015.66	7102.88	0.00	0.00				Surface
	10048.34	32.81	10044.95	10015.53	7101.93	23.00	23.00				WRP
	10048.24	32.81	10044.83	10015.43	7053.83	70.00	70.00				MinPts
	10048.24	32.81	10044.83	10015.43	7004.57	90.00	90.00				MinPt-EOU
	10050.64	32.81	10043.24	10017.84	1853.71	660.00	660.00				MinPt-EOU
	5550.92	162.27	5442.20	5388.64	51.81	9720.00	9635.56				MinPt-CiCt
	5550.98	162.48	5442.12	5388.50	51.74	9750.00	9665.56				MinPt-EOU
	5551.04	162.55	5442.13	5388.49	51.72	9760.00	9675.56				MinPt-ADP
	5551.71	162.88	5442.58	5388.82	51.62	9816.97	9732.53				MinPt-SF
	1250.13	274.79	1066.44	975.34	6.85	15570.00	10300.64				MinPts
	1249.94	272.68	1067.65	977.25	6.91	15670.00	10300.12				MinPt-CiCt
	1268.90	255.81	1097.86	1013.09	7.48	16510.00	10295.77				MinPt-ADP
	1268.59	255.44	1097.79	1013.14	7.48	16540.00	10295.61				MinPt-EOU
	1267.71	254.09	1097.82	1013.62	7.52	16630.00	10295.14				MinPt-EOU
	1255.84	247.83	1090.12	1008.01	7.64	17130.00	10292.55				MinPt-SF
	1255.40	247.66	1089.79	1007.74	7.64	17180.00	10292.29				MinPts
	1255.38	247.63	1089.80	1007.76	7.64	17190.00	10292.24				MinPt-CiCt

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Breaking Rule	Reference Trajectory		Risk Level			Alert
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major	
	1255.48	246.13	1090.89	1009.35	7.69		17340.00	10291.47				MinPt-CtCt
	1257.35	242.60	1095.11	1014.75	7.81		17860.00	10288.77				MinPt-SF
	1256.47	242.28	1094.45	1014.19	7.82		18050.00	10287.79				MinPt-SF
	1256.47	242.28	1094.45	1014.19	7.82		18060.00	10287.74				MinPts
	1256.47	242.28	1094.45	1014.19	7.82		18070.00	10287.68				MinPt-CtCt
	1257.61	242.63	1095.35	1014.98	7.81		18350.00	10286.23				MinPt-SF
	1258.48	242.75	1096.15	1015.73	7.82		18440.00	10285.77				MinPt-SF
	1257.71	243.12	1095.12	1014.58	7.80		18560.00	10285.14				MinPt-CtCt
	1257.79	243.43	1095.01	1014.36	7.79		18590.00	10284.99				MinPt-EOU
	1257.87	243.53	1095.02	1014.35	7.79		18600.00	10284.94				MinPt-ADP
	1262.13	244.85	1098.40	1017.28	7.77		18760.00	10284.11				MinPt-SF
	1260.98	244.46	1097.51	1016.52	7.78		18870.00	10283.54				MinPts
	1221.99	246.44	1057.20	975.55	7.47		19400.00	10280.79				MinPts
	1112.52	257.98	940.03	854.54	6.50		20160.39	10276.85				MinPt-CtCt
	1112.63	258.38	939.88	854.25	6.49		20180.00	10276.75				MinPt-EOU
	1112.77	258.58	939.89	854.19	6.48		20190.00	10276.70				MinPt-ADP
	1115.44	259.80	941.75	855.65	6.47		20260.00	10276.34				MinPt-SF
	1149.82	261.68	974.87	888.14	6.62		20518.19	10275.00				TD

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

9825.24	32.81	9821.85	9792.43	6945.04			0.00	0.00				Surface
9825.12	32.81	9821.73	9792.31	6944.25			23.00	23.00				WRP
9824.56	32.81	9819.05	9791.75	2779.25			420.00	420.00				MinPts
9825.65	32.81	9811.74	9792.85	823.09			1290.00	1290.00				MinPt-EOU
9824.48	32.81	9807.03	9791.67	625.95			1650.00	1650.00				MinPts
9824.74	32.81	9806.76	9791.93	605.68			1710.00	1709.97				MinPt-EOU
9825.15	32.81	9806.77	9792.34	590.93			1750.00	1749.93				MinPt-EOU
1403.05	259.72	1229.41	1143.34	8.14			15710.00	10299.91				MinPt-CtCt
1403.11	259.85	1229.38	1143.26	8.14			15720.00	10299.86				MinPts
1404.06	260.30	1230.02	1143.75	8.13			15760.00	10299.65				MinPt-SF
1396.56	242.47	1234.41	1154.09	8.68			17110.00	10292.66				MinPt-SF
1396.35	242.41	1234.24	1153.93	8.68			17150.00	10292.45				MinPts
1395.38	241.42	1233.93	1153.96	8.71			17380.00	10291.26				MinPts
1395.72	241.43	1234.27	1154.30	8.72			17460.00	10290.84				MinPt-SF
1407.12	241.38	1245.71	1165.75	8.79			17990.00	10288.10				MinPt-SF
1410.40	241.26	1249.07	1169.15	8.81			18210.00	10286.96				MinPt-CtCt
1410.49	241.49	1249.00	1169.00	8.81			18250.00	10286.75				MinPt-EOU
1410.59	241.60	1249.02	1168.99	8.80			18270.00	10286.65				MinPt-ADP
1411.39	242.26	1249.38	1169.13	8.78			18420.00	10285.87				MinPt-EOU
1411.51	242.40	1249.41	1169.11	8.78			18440.00	10285.77				MinPt-ADP
1412.83	243.92	1249.72	1168.91	8.73			18670.00	10284.57				MinPt-EOU
1412.77	244.68	1249.15	1168.09	8.71			18770.00	10284.06				MinPt-CtCt
1412.94	245.18	1248.99	1167.76	8.69			18810.00	10283.85				MinPt-EOU
1413.04	245.30	1249.01	1167.74	8.68			18820.00	10283.80				MinPt-ADP
1426.87	251.61	1258.62	1175.25	8.55			19360.00	10281.00				MinPt-SF
1142.26	274.25	958.93	868.01	6.27			20219.78	10276.55				MinPt-CtCt
1142.44	274.70	958.81	867.74	6.26			20240.00	10276.44				MinPts
1144.41	275.57	960.20	868.84	6.26			20290.00	10276.18				MinPt-SF
1180.57	275.36	996.50	905.22	6.46			20518.19	10275.00				TD

30-025-47140 - HEARTTHROB 17 STATE 204H - IFR1 to 14522ft - A (DefinitiveSurvey) - Pass

10956.37	32.81	10952.97	10923.56	7744.74			0.00	0.00				Surface
10956.24	32.81	10952.85	10923.43	7743.80			23.00	23.00				WRP
10952.78	32.81	10947.01	10919.97	2888.99			470.00	470.00				MinPts
10953.70	32.81	10945.75	10920.89	1834.14			740.00	740.00				MinPt-EOU
10954.58	32.81	10945.59	10921.77	1563.31			850.00	850.00				MinPt-EOU
10783.47	61.70	10741.75	10721.77	269.84			3530.00	3486.52				MinPt-CtCt
10784.25	64.03	10740.95	10720.23	259.76			3700.00	3651.47				MinPt-EOU
10554.50	128.30	10468.43	10426.20	124.95			8120.00	8035.56				MinPt-CtCt
10554.95	129.59	10468.01	10425.35	123.69			8250.00	8165.56				MinPt-EOU
10555.82	130.66	10468.18	10425.16	122.68			8350.00	8265.56				MinPt-ADP
10583.51	140.64	10489.22	10442.88	114.18			9250.00	9165.56				MinPts
10592.79	146.05	10494.88	10446.74	109.99			9550.00	9465.56				MinPts
10601.67	147.82	10502.59	10453.86	108.75			9816.97	9732.53				MinPt-SF
1197.93	256.88	1026.17	941.04	7.03			20518.19	10275.00				MinPts

30-025-39882 - MACHO NACHO STATE 1H - Gyro to 11373, Blind to 12500ft - A (DefinitiveSurvey) - Pass

5678.44	32.81	5675.05	5645.63	4013.23			0.00	0.00				Surface
5678.37	32.81	5674.98	5645.56	4013.07			20.00	20.00				MinPt-SF
5678.36	32.81	5674.97	5645.56	4013.08			23.00	23.00				WRP
5677.17	32.81	5671.13	5644.36	1397.76			460.00	460.00				MinPts
5680.52	32.81	5666.63	5647.71	476.71			1290.00	1290.00				MinPt-EOU
5619.72	63.27	5576.95	5556.45	137.01			3950.00	3894.04				MinPt-CtCt
5620.76	66.16	5576.07	5554.60	130.88			4130.00	4068.70				MinPt-EOU
5621.83	67.44	5576.28	5554.39	128.35			4210.00	4146.32				MinPt-ADP
5644.64	81.71	5589.63	5562.93	105.68			5100.00	5025.06				MinPt-ADP
5649.04	86.78	5590.65	5562.26	99.47			5410.00	5333.36				MinPt-ADP
5655.49	97.55	5589.91	5557.93	88.40			6090.00	6009.63				MinPt-EOU
5657.91	100.46	5590.39	5557.44	85.83			6290.00	6208.53				MinPt-ADP
5661.19	104.04	5591.29	5557.15	82.88			6520.00	6437.27				MinPt-ADP
5663.75	112.06	5588.50	5551.68	76.90			7040.00	6955.56				MinPt-CtCt
5663.80	116.84	5585.38	5546.97	73.71			7390.00	7305.56				MinPt-CtCt
5668.45	137.21	5576.44	5531.24	62.69			8860.00	8775.56				MinPt-CtCt
5670.16	147.55	5571.26	5522.61	58.26			9620.00	9535.56				MinPt-EOU
1247.49	197.11	1115.59	1050.39	9.55			15745.01	10299.73				MinPt-CtCt
1247.50	197.16	1115.57	1050.35	9.55			15750.00	10299.70				MinPt-EOU
1247.58	197.26	1115.58	1050.32	9.55			15760.00	10299.65				MinPt-ADP
1249.18	197.70	1116.89	1051.49	9.54			15810.00	10299.39				MinPt-SF
4930.07	237.07	4771.53	4693.00	31.38			20518.19	10275.00				TD





Grid North

Tot Corr (M->G 5.664°)

Mag Dec (6.057°)

Grid Conv (0.393°)

30-025-46754 - HEMLOCK 32 STATE 203H - MWD to 14496ft - A

30-025-45623 - HEMLOCK 32 STATE 703H - MWD to 17406ft - A

D

E

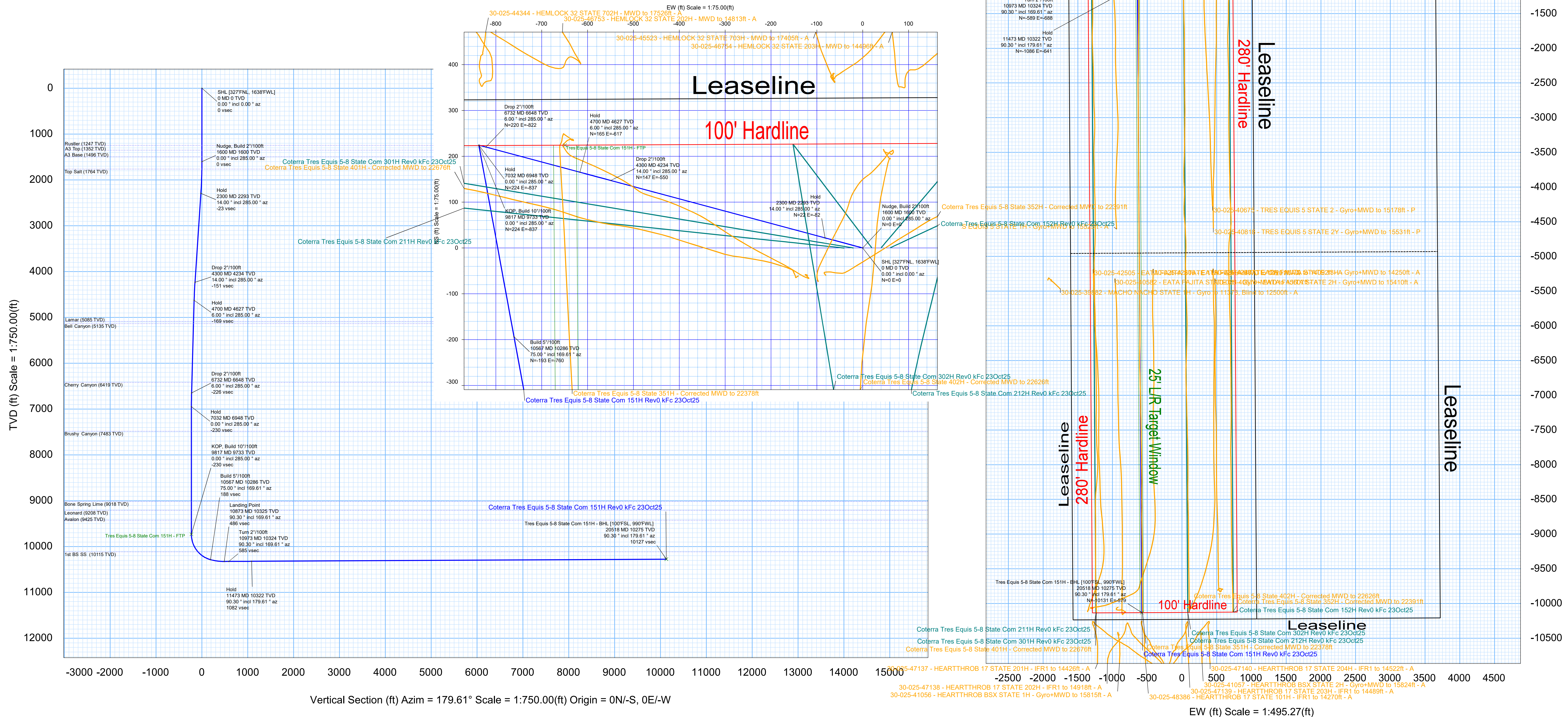
C

CONTROLLED

Plan ref	Colerna Tres Equis 5-8 State Coin 151H Rev0 KFC
Drawing ref	23Oct25
Copy number	of 3
Date	23-Oct-2025

1	Client	
2	Client	
3	Office	
4	Office	

Copy number
for





Coterra Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25 Proposal Geodetic Report

Report Date:	October 23, 2025 - 01:48 PM (UTC 0)	Survey / DLS Computation:	Minimum Curvature / Lubinski
Client:	COTERRA	Vertical Section Azimuth:	179.610 (GRID North)
Field:	NM Lea County (NAD 83)	Vertical Section Origin:	0.000 ft, 0.000 ft
Structure / Slot:	Coterra - Tres Equis 5-8 State Pad Lot 3 / Tres Equis 5-8 State Com 151H	TVD Reference Datum:	RKB
Well:	Tres Equis 5-8 State Com 151H	TVD Reference Elevation:	3679.000 ft above MSL
Borehole:	Tres Equis 5-8 State Com 151H	Seabed / Ground Elevation:	3658.000 ft above MSL
UBHI / API#:	Unknown / Unknown	Magnetic Declination:	6.057"
Survey Name:	Coterra Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25	Total Gravity Field Strength:	998.4383mgn (9.80665 Based)
Survey Date:	October 22, 2025	Gravity Model:	GARM
Turn / AHD / DOI / ERD Ratio:	128.298° / 11238.870 ft / 6.457 / 1.089	Total Magnetic Field Strength:	47180.524 nT
Coordinate Reference System:	NAD83 New Mexico State Plane, Eastern Zone, US Feet	Magnetic Dip Angle:	59.731°
Location Lat / Long:	32°15'10.96128"N, 103°35'51.31730"W	Declination Date:	October 23, 2025
Location Grid NIE YX:	N 456570.340 RUS, E 768783.840 RUS	Magnetic Declination Model:	HOGM 2025
CRS Grid Convergence Angle:	0.393°	North Reference:	Grid North
Grid Scale Factor:	0.99996834(Applied)	Grid Convergence Used:	6.393"
Version / Patch:	2025.1.0.1	Total Corr Mag North->Grid North:	5.664"
		Local Coord Referenced To:	Well Head

Comments	MD (ft)	Incl (°)	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, 1638FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814			
Nudge, Build 2"/100ft	1,800.00	0.00	285.00	1,800.00	-2,079.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
Hold	2,300.00	14.00	285.00	2,293.06	-1,385.94	-22.59	22.03	-82.20	456,592.37	768,701.65	32.25310690	-103.59785351	2.00	2.00	0.00
Drop 2"/100ft	4,300.00	14.00	285.00	4,233.65	554.65	-151.02	147.28	-549.55	456,717.62	768,234.31	32.25345995	-103.59936237	0.00	0.00	0.00
Hold	4,999.86	6.00	285.00	4,627.11	948.11	-169.44	165.24	-616.57	456,735.58	768,167.29	32.25351058	-103.59957876	2.00	-2.00	0.00
Drop 2"/100ft	6,731.83	6.00	285.00	6,647.94	2,968.94	-225.82	220.23	-821.83	456,790.57	767,962.04	32.25366558	-103.60024145	0.00	0.00	0.00
Hold	7,031.97	0.00	285.00	6,947.53	3,268.53	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	2.00	-2.00	0.00
KOP, Build 10"/100ft	9,816.97	0.00	285.00	9,732.53	6,053.53	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
Build 5"/100ft	10,566.97	75.00	169.61	10,285.96	6,606.96	188.22	-193.40	-760.41	456,376.94	768,023.45	32.25252751	-103.60005194	10.00	10.00	0.00
Landing Point	10,872.97	90.30	169.61	10,325.00	6,646.00	486.21	-491.03	-705.84	456,079.33	768,078.02	32.25170845	-103.59988201	5.00	5.00	0.00
Turn 2"/100ft	10,972.97	90.30	169.61	10,324.47	6,645.47	594.69	-589.39	-687.81	455,980.97	768,096.06	32.25143776	-103.59982586	0.00	0.00	0.00
Hold	11,472.85	90.30	179.61	10,321.86	6,642.86	1,082.03	-1,086.42	-640.90	455,483.95	768,142.96	32.25007074	-103.59968513	2.00	0.00	2.00
Tres Equis 5-8 State Com 151H - BHL [100FSL, 990FWL]	20,518.19	90.30	179.61	10,275.00	6,596.00	10,127.25	-10,131.42	-578.99	446,439.26	768,204.87	32.22520865	-103.59968471	0.00	0.00	0.00

Survey Type:	Def Plan										
Survey Error Model:	ISCWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma										
Survey Program:											
	Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey
		1	0.000	9,800.000	1/100,000	'5 – 12.25 – 8.75	3.375 – 9.625 – 7		A001Mb_MWD		Tres Equis 5-8 State Com 151H / Coterra Tres Equ
		1	9,800.000	20,518.186	1/100,000	8.75 – 6	7 – 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 151H / Coterra Tres Equ
EOU Geometry:											
End MD (ft)	Hole Size (in)		Casing Size (in)		Name						
1,364.900	17.500		13.375								
4,998.900	12.250		9.625								
11,815.900	8.750		7.000								
20,518.186	6.000		5.000								



Coterra Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25 Proposal Geodetic

Report

Def Plan

Report Date: October 23, 2025 - 02:51 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 151H
Borehole: Tres Equis 5-8 State Com 151H
UBH / API#: Unknown / Unknown
Survey Name: Coterra Tres Equis 5-8 State Com 151H Rev0 kFc 23Oct25
Survey Date: October 23, 2025
Tort / AHD / DDI / ERD Ratio: 128.298" / 11238.870 ft / 6.457 / 1.089
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: 32°15'10.96128"N, 103°35'51.31730"W
Location Grid N/E Y/X: N 456570.340 IJUS, E 768783.840 IJUS
CRS Grid Convergence Angle: 0.393"
Grid Scale Factor: 0.99998834(Applied)
Version / Patch: 2025.1.0.1

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.610 (°GRD North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3679.000 ft above MSL
Sealed / Ground Elevation: 3656.000 ft above MSL
Magnetic Declination: 6.057"
Total Gravity Field Strength: 998.4383mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 47180.524 nT
Magnetic Dip Angle: 59.731"
Declination Date: October 23, 2025
Magnetic Declination Model: HDGM 2025
North Reference: Grid North
Grid Convergence Used: 0.393"
Total Corr Mag North->Grid North: 5.664"
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
SHL [327°FNL, 1638°FWL]	0.00	0.00	0.00	0.00	-3.679.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814			
	100.00	0.00	285.00	100.00	-3.579.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	200.00	0.00	285.00	200.00	-3.479.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	300.00	0.00	285.00	300.00	-3.379.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	400.00	0.00	285.00	400.00	-3.279.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	500.00	0.00	285.00	500.00	-3.179.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	600.00	0.00	285.00	600.00	-3.079.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	700.00	0.00	285.00	700.00	-2.979.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	800.00	0.00	285.00	800.00	-2.879.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	900.00	0.00	285.00	900.00	-2.779.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,000.00	0.00	285.00	1,000.00	-2.679.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,100.00	0.00	285.00	1,100.00	-2.579.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,200.00	0.00	285.00	1,200.00	-2.479.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
Rustler	1,247.00	0.00	285.00	1,247.00	-2.432.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,300.00	0.00	285.00	1,300.00	-2.379.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
A3 Top	1,352.00	0.00	285.00	1,352.00	-2.327.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,400.00	0.00	285.00	1,400.00	-2.279.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
A3 Base	1,496.00	0.00	285.00	1,496.00	-2.183.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,500.00	0.00	285.00	1,500.00	-2.179.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
Nudge, Build 2°/100ft	1,600.00	0.00	285.00	1,600.00	-2.079.00	0.00	0.00	0.00	456,570.34	768,783.84	32.25304480	-103.59758814	0.00	0.00	0.00
	1,700.00	2.00	285.00	1,699.98	-1.979.02	-0.46	0.45	-1.69	456,570.79	768,782.15	32.25304607	-103.59759358	2.00	2.00	0.00
Top Salt	1,764.09	3.28	285.00	1,764.00	-1.915.00	-1.25	1.22	-4.54	456,571.56	768,779.30	32.25304823	-103.59760279	2.00	2.00	0.00
	1,800.00	4.00	285.00	1,799.84	-1.879.16	-1.85	1.81	-6.74	456,572.15	768,777.10	32.25304989	-103.59760990	2.00	2.00	0.00
	1,900.00	6.00	285.00	1,899.45	-1.779.55	-4.17	4.06	-15.16	456,574.40	768,768.68	32.25305625	-103.59763708	2.00	2.00	0.00
	2,000.00	8.00	285.00	1,998.70	-1.680.30	-7.40	7.22	-26.93	456,577.56	768,756.91	32.25306514	-103.59767508	2.00	2.00	0.00
	2,100.00	10.00	285.00	2,097.47	-1.581.53	-11.55	11.27	-42.04	456,581.61	768,741.80	32.25307656	-103.59772386	2.00	2.00	0.00
	2,200.00	12.00	285.00	2,195.62	-1.483.38	-16.62	16.21	-60.47	456,586.55	768,723.37	32.25309048	-103.59778336	2.00	2.00	0.00
Hold	2,300.00	14.00	285.00	2,293.06	-1.385.94	-22.59	22.03	-82.20	456,592.37	768,701.65	32.25310690	-103.59785351	2.00	2.00	0.00
	2,400.00	14.00	285.00	2,390.08	-1.288.92	-29.01	28.29	-105.56	456,598.63	768,678.28	32.25312455	-103.59792895	0.00	0.00	0.00
	2,500.00	14.00	285.00	2,487.11	-1.191.89	-35.43	34.55	-128.93	456,604.89	768,654.91	32.25314220	-103.59800440	0.00	0.00	0.00
	2,600.00	14.00	285.00	2,584.14	-1.094.86	-41.85	40.82	-152.30	456,611.16	768,631.55	32.25315986	-103.59807984	0.00	0.00	0.00
	2,700.00	14.00	285.00	2,681.17	-997.83	-48.27	47.08	-175.67	456,617.42	768,608.18	32.25317751	-103.59815528	0.00	0.00	0.00
	2,800.00	14.00	285.00	2,778.20	-900.80	-54.70	53.34	-199.03	456,623.68	768,584.81	32.25319516	-103.59823072	0.00	0.00	0.00
	2,900.00	14.00	285.00	2,875.23	-803.77	-61.12	59.60	-222.40	456,629.94	768,561.45	32.25321281	-103.59830617	0.00	0.00	0.00
	3,000.00	14.00	285.00	2,972.26	-706.74	-67.54	65.87	-245.77	456,636.21	768,538.08	32.25323047	-103.59838161	0.00	0.00	0.00
	3,100.00	14.00	285.00	3,069.29	-609.71	-73.96	72.13	-269.14	456,642.47	768,514.71	32.25324812	-103.59845705	0.00	0.00	0.00
	3,200.00	14.00	285.00	3,166.32	-512.68	-80.38	78.39	-292.50	456,648.73	768,491.35	32.25326577	-103.59853250	0.00	0.00	0.00
	3,300.00	14.00	285.00	3,263.35	-415.65	-86.80	84.66	-315.87	456,654.99	768,467.98	32.25328343	-103.59860794	0.00	0.00	0.00
	3,400.00	14.00	285.00	3,360.38	-318.62	-93.22	90.92	-339.24	456,661.25	768,444.61	32.25330108	-103.59868338	0.00	0.00	0.00
	3,500.00	14.00	285.00	3,457.41	-221.59	-99.65	97.18	-362.61	456,667.52	768,421.25	32.25331873	-103.59875883	0.00	0.00	0.00
	3,600.00	14.00	285.00	3,554.44	-124.56	-106.07	103.44	-385.97	456,673.78	768,397.88	32.25333638	-103.59883427	0.00	0.00	0.00
	3,700.00	14.00	285.00	3,651.47	-27.53	-112.49	109.71	-409.34	456,680.04	768,374.51	32.25335404	-103.59890971	0.00	0.00	0.00
	3,800.00	14.00	285.00	3,748.50	69.50	-118.91	115.97	-432.71	456,686.30	768,351.15	32.25337169	-103.59898516	0.00	0.00	0.00
	3,900.00	14.00	285.00	3,845.53	166.53	-125.33	122.23	-456.08	456,692.57	768,327.78	32.25338934	-103.59906060	0.00	0.00	0.00
	4,000.00	14.00	285.00	3,942.56	263.56	-131.75	128.49	-479.44	456,698.83	768,304.41	32.25340700	-103.59913604	0.00	0.00	0.00
	4,100.00	14.00	285.00	4,039.59	360.59	-138.18	134.78	-502.81	456,705.09	768,281.05	32.25342465	-103.59921149	0.00	0.00	0.00
	4,200.00	14.00	285.00	4,136.62	457.62	-144.60	141.02	-526.18	456,711.35	768,257.68	32.25344230	-103.59928693	0.00	0.00	0.00
Drop 2°/100ft	4,300.00	14.00	285.00	4,233.65	554.65	-151.02	147.28	-549.55	456,717.62	768,234.31	32.25345995	-103.59936237	0.00	0.00	0.00
	4,400.00	12.00	285.00	4,331.08	652.08	-156.99	153.10	-571.27	456,723.44	768,212.59	32.25347637	-103.59943252	2.00	-2.00	0.00
	4,500.00	10.00	285.00	4,429.24	750.24	-162.05	158.04	-589.70	456,728.38	768,194.16	32.25349029	-103.59949202	2.00	-2.00	0.00
	4,600.00	8.00	285.00	4,528.00	849.00	-166.21	162.09	-604.81	456,732.43	768,179.05	32.25350170	-103.59954080	2.00	-2.00	0.00
Hold	4,699.86	6.00	285.00	4,627.11	948.11	-169.44	165.24	-616.57	456,735.58	768,167.29	32.25351058	-103.59957876	2.00	-2.00	0.00
	4,700.00	6.00	285.00	4,627.15	948.25	-169.44	165.25	-616.58	456,735.58	768,167.28	32.25351059	-103.59957881	0.00	0.00	0.00
	4,800.00	6.00	285.00	4,728.70	1,047.70	-172.21	167.95	-626.69	456,738.29	768,157.18	32.25351822	-103.59961142	0.00	0.00	0.00
	4,900.00	6.00	285.00	4,826.15	1,147.15	-174.99	170.66	-636.79	456,740.99	768,147.07	32.25352584	-103.59964403	0.00	0.00	0.00
	5,000.00	6.00	285.00	4,925.60	1,246.60	-177.76	173.36	-646.89	456,743.70	768,136.97	32.25353347	-103.59967665	0.00	0.00	0.00
Lamar	5,100.00	6.00	285.00	5,025.06	1,346.06	-180.54	176.07	-656.99	456,746.40	768,126.87	32.25354110	-103.59970926	0.00	0.00	0.00
	5,160.27	6.00	285.00	5,085.00	1,406.00	-182.21	177.70	-663.08	456,748.04	768,120.78	32.25354570	-103.59972892	0.00	0.00	0.00
	5,200.00</														

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (RUS)	Easting (RUS)	Latitude (°)	Longitude (°)	DLS (°100ft)	BR (°100ft)	TR (°100ft)
Bone Spring Line	9,102.44	0.00	285.00	9,018.00	5,339.00	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,200.00	0.00	285.00	9,115.56	5,436.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
Leonard	9,292.44	0.00	285.00	9,208.00	5,529.00	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,300.00	0.00	285.00	9,215.56	5,536.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,400.00	0.00	285.00	9,315.56	5,636.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,500.00	0.00	285.00	9,415.56	5,736.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
Avalon	9,599.44	0.00	285.00	9,425.00	5,746.00	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,600.00	0.00	285.00	9,515.56	5,836.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,700.00	0.00	285.00	9,615.56	5,936.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,800.00	0.00	285.00	9,715.56	6,036.56	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
KOP, Build 10"/100ft	9,816.97	0.00	285.00	9,732.53	6,053.53	-229.99	224.30	-837.00	456,794.63	767,946.87	32.25367704	-103.60029044	0.00	0.00	0.00
	9,900.00	8.30	169.61	9,815.27	6,136.27	-224.08	218.39	-835.92	456,788.72	767,947.95	32.25366078	-103.60028706	10.00	10.00	0.00
	10,000.00	18.30	169.61	9,912.46	6,233.46	-201.44	199.79	-831.77	456,786.12	767,952.10	32.25359857	-103.60027416	10.00	10.00	0.00
	10,100.00	28.30	169.61	10,004.19	6,325.19	-162.53	158.32	-824.65	456,772.26	767,959.22	32.25349162	-103.60025197	10.00	10.00	0.00
	10,200.00	38.30	169.61	10,087.66	6,408.66	-108.53	102.99	-814.76	456,673.32	767,969.11	32.25334319	-103.60022117	10.00	10.00	0.00
1st BS SS	10,235.74	41.88	169.61	10,115.00	6,436.00	-85.87	80.35	-810.61	456,650.69	767,973.26	32.25328089	-103.60020825	10.00	10.00	0.00
	10,300.00	48.30	169.61	10,160.34	6,481.34	-41.07	35.61	-802.40	456,605.95	767,981.46	32.25315777	-103.60018270	10.00	10.00	0.00
	10,400.00	58.30	169.61	10,220.02	6,541.02	37.79	-43.15	-787.96	456,527.19	767,995.90	32.25294100	-103.60013773	10.00	10.00	0.00
	10,500.00	68.30	169.61	10,264.89	6,585.89	125.66	-130.92	-771.87	456,439.43	768,012.00	32.25269948	-103.60008762	10.00	10.00	0.00
Build 5"/100ft	10,566.97	75.00	169.61	10,285.96	6,606.96	188.22	-193.40	-760.41	456,376.94	768,023.45	32.25252751	-103.60005194	10.00	10.00	0.00
	10,600.00	76.65	169.61	10,294.05	6,615.05	219.76	-254.64	-754.44	456,345.44	768,029.23	32.25244083	-103.60003396	5.00	5.00	0.00
	10,700.00	81.65	169.61	10,312.87	6,633.87	316.45	-321.47	-736.93	456,248.88	768,046.53	32.25217506	-103.59997882	5.00	5.00	0.00
	10,800.00	86.65	169.61	10,323.05	6,644.05	414.39	-419.29	-719.00	456,151.06	768,064.87	32.25190587	-103.59992297	5.00	5.00	0.00
Landing Point	10,872.97	90.30	169.61	10,325.00	6,646.00	486.21	-491.03	-705.84	456,079.33	768,078.02	32.25170845	-103.59988201	5.00	5.00	0.00
Turn 2"/100ft	10,972.97	90.30	169.61	10,324.85	6,645.85	512.83	-517.61	-700.97	456,052.74	768,082.90	32.25163528	-103.59986864	0.00	0.00	0.00
	11,000.00	90.30	169.61	10,324.47	6,645.47	584.69	-589.39	-687.81	455,980.97	768,096.06	32.25143776	-103.59982586	0.00	0.00	0.00
	11,100.00	90.30	170.15	10,324.33	6,645.33	611.33	-618.00	-683.06	455,954.36	768,100.80	32.25136453	-103.59981108	2.00	0.00	2.00
	11,200.00	90.30	172.30	10,323.81	6,644.81	714.00	-714.00	-685.58	455,855.58	768,116.19	32.25109268	-103.59976351	0.00	0.00	0.00
	11,300.00	90.30	174.15	10,323.28	6,644.28	809.60	-814.08	-655.75	455,756.29	768,128.19	32.25081957	-103.59972714	2.00	0.00	2.00
	11,400.00	90.30	176.15	10,322.76	6,643.76	909.29	-913.71	-647.30	455,656.66	768,136.56	32.25054556	-103.59970200	2.00	0.00	2.00
	11,500.00	90.30	178.15	10,322.24	6,643.24	1,009.19	-1,013.58	-642.33	455,556.79	768,141.53	32.25027097	-103.59968813	2.00	0.00	2.00
Hold	11,472.85	90.30	179.61	10,321.86	6,642.86	1,082.03	-1,086.42	-640.90	455,483.95	768,142.96	32.25007074	-103.59968513	2.00	0.00	2.00
	11,500.00	90.30	179.61	10,321.72	6,642.72	1,109.18	-1,113.57	-640.72	455,456.81	768,143.15	32.24999613	-103.59968513	0.00	0.00	0.00
	11,600.00	90.30	179.61	10,321.20	6,642.20	1,209.18	-1,213.56	-640.03	455,356.82	768,143.83	32.24972127	-103.59968513	0.00	0.00	0.00
	11,700.00	90.30	179.61	10,320.68	6,641.68	1,309.18	-1,313.56	-639.66	455,256.82	768,144.51	32.24944641	-103.59968513	0.00	0.00	0.00
	11,800.00	90.30	179.61	10,320.17	6,641.17	1,409.18	-1,413.56	-638.66	455,156.83	768,145.83	32.24917155	-103.59968513	0.00	0.00	0.00
	11,900.00	90.30	179.61	10,319.65	6,640.65	1,509.17	-1,513.55	-637.98	455,056.84	768,145.88	32.24889669	-103.59968511	0.00	0.00	0.00
	12,000.00	90.30	179.61	10,319.13	6,640.13	1,609.17	-1,613.55	-637.29	454,956.85	768,146.57	32.24862183	-103.59968511	0.00	0.00	0.00
	12,100.00	90.30	179.61	10,318.61	6,639.61	1,709.17	-1,713.54	-636.61	454,856.85	768,147.25	32.24834696	-103.59968511	0.00	0.00	0.00
	12,200.00	90.30	179.61	10,318.09	6,639.09	1,809.17	-1,813.54	-635.93	454,756.86	768,147.94	32.24807210	-103.59968510	0.00	0.00	0.00
	12,300.00	90.30	179.61	10,317.58	6,638.58	1,909.17	-1,913.54	-635.24	454,656.87	768,148.62	32.24779724	-103.59968510	0.00	0.00	0.00
	12,400.00	90.30	179.61	10,317.06	6,638.06	2,009.17	-2,013.53	-634.56	454,556.87	768,149.31	32.24752238	-103.59968509	0.00	0.00	0.00
	12,500.00	90.30	179.61	10,316.54	6,637.54	2,109.17	-2,113.53	-633.87	454,456.88	768,149.99	32.24724752	-103.59968509	0.00	0.00	0.00
	12,600.00	90.30	179.61	10,316.02	6,637.02	2,209.17	-2,213.53	-633.19	454,356.89	768,150.67	32.24697266	-103.59968509	0.00	0.00	0.00
	12,700.00	90.30	179.61	10,315.50	6,636.50	2,309.16	-2,313.52	-632.50	454,256.90	768,151.36	32.24669780	-103.59968508	0.00	0.00	0.00
	12,800.00	90.30	179.61	10,314.99	6,635.99	2,409.16	-2,413.52	-631.82	454,156.90	768,152.04	32.24642294	-103.59968508	0.00	0.00	0.00
	12,900.00	90.30	179.61	10,314.47	6,635.47	2,509.16	-2,513.52	-631.13	454,056.91	768,152.73	32.24614808	-103.59968507	0.00	0.00	0.00
	13,000.00	90.30	179.61	10,313.95	6,634.95	2,609.16	-2,613.51	-630.45	453,956.92	768,153.41	32.24587322	-103.59968507	0.00	0.00	0.00
	13,100.00	90.30	179.61	10,313.43	6,634.43	2,709.16	-2,713.51	-629.76	453,856.92	768,154.10	32.24559836	-103.59968507	0.00	0.00	0.00
	13,200.00	90.30	179.61	10,312.91	6,633.91	2,809.16	-2,813.50	-629.07	453,756.93	768,154.78	32.24532350	-103.59968506	0.00	0.00	0.00
	13,300.00	90.30	179.61	10,312.40	6,633.40	2,909.16	-2,913.50	-628.40	453,656.94	768,155.47	32.24504864	-103.59968506	0.00	0.00	0.00
	13,400.00	90.30	179.61	10,311.88	6,632.88	3,009.15	-3,013.50	-627.71	453,556.94	768,156.15	32.24477378	-103.59968505	0.00	0.00	0.00
	13,500.00	90.30	179.61	10,311.36	6,632.36	3,109.15	-3,113.49	-627.03	453,456.95	768,156.83	32.24449892	-103.59968505	0.00	0.00	0.00
	13,600.00	90.30	179.61	10,310.84	6,631.84	3,209.15	-3,213.49	-626.34	453,356.96	768,157.52	32.24422406	-103.59968504	0.00	0.00	0.00
	13,700.00	90.30	179.61	10,310.32	6,631.32	3,309.15	-3,313.49	-625.66	453,256.97	768,158.20	32.24394920	-103.59968504	0.00	0.00	0.00
	13,800.00	90.30	179.61	10,309.81	6,630.81	3,409.15	-3,413.48	-624.97	453,156.97	768,158.89	32.24367433	-103.59968504	0.00	0.00	0.00
	13,900.00	90.30	179.61	10,309.29	6,630.29	3,509.15	-3,513.48	-624.28	453,056.98	768,159.57	32.24339947	-103.59968503	0.00	0.00	0.00
	14,000.00	90.30	179.61	10,308.77	6,629.77	3,609.15	-3,613.47	-623.60	452,956.99	768,160.26	32.24312461	-103.59968503	0.00	0.00	0.00
	14,100.00	90.30	179.61	10,308.25	6,629.25	3,709.15	-3,713.47	-622.92	452,856.99	768,160.94	32.24284975	-103.59968502	0.00	0.00	0.00
	14,200.00	90.30	179.61	10,307.73	6,628.73	3,809.14	-3,813.47	-622.24	452,757.00	768,161.63	32.24257489	-103.59968502	0.00	0.00	0.00
	14,300.00	90.30	179.61	10,307.21	6,628.21	3,909.14	-3,913.46	-621.55	452,657.01	768,162.31	32.24230003	-103.59968501	0.00	0.00	0.00
	14,400.00	90.30	179.61	10,306.70	6,627.70	4,009.14	-4,013.46	-620.87	452,557.01	768,162.99	32.24202517	-103.59968501			

Comments	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	TVDSS (ft)	VSEC (ft)	NS (ft)	EW (ft)	Northing (ftUS)	Easting (ftUS)	Latitude (°)	Longitude (°)	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)
Survey Error Model:	ISCWSA Rev 4 *** 3-D 95 % Confidence 2.7955 sigma														
Survey Program:															
Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Expected Max Inclination (deg)	Survey Tool Code	Vendor / Tool	Borehole / Survey					
	1	0.000	9,800.000	1/100.000	1.5 – 12.25 – 8.75	3.375 – 9.625 – 7		A001Mb_MWD		Tres Equis 5-8 State Com 151H / Coterra Tres Equ					
	1	9,800.000	20,518.186	1/100.000	8.75 – 6	7 – 5		A008Mb_MWD+IFR1+MS		Tres Equis 5-8 State Com 151H / Coterra Tres Equ					
EOU Geometry:															
End MD (ft)	Hole Size (in)			Casing Size (in)			Name								
1,364.900	17.500			13.375											
4,998.900	12.250			9.625											
11,815.900	8.750			7.000											
20,518.186	6.000			5.000											

1. Geological Formations

TVD of target 10275

Pilot Hole TD N/A

MD at TD 20518

Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	1247	N/A	
Top of Salt	1764	N/A	
Base of Salt/Lamar	5085	N/A	
Top Delaware Sands/Bell Canyon	5135	N/A	
Cherry Canyon	6419	N/A	
Brushy Canyon	7483	N/A	
Bone Spring Lime	9018	N/A	
Leonard	9208	N/A	
Avalon	9425	N/A	
1st Bone Spring Sand	10130	Hydrocarbons	
2nd Bone Spring Sand	10895	Hydrocarbons	
3rd Bone Spring Carbonate	11280	Hydrocarbons	
2nd Bone Spring Sand - Target	11518	Hydrocarbons	

2. Casing Program

Hole Size	Casing Depth From	Casing Depth To	Setting Depth TVD	Casing Size	Weight (lb/ft)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17 1/2	0	1372	1372	13-3/8"	48.00	H-40	ST&C	1.25	2.91	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	9817	9817	5-1/2"	20.00	P-110	BT&C	2.42	2.69	3.12
8 3/4	9817	20518	10275	5-1/2"	20.00	P-110	BT&C	2.31	2.57	69.98
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 151H

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

3. Cementing Program

Casing	# Sk	Wt. lb/gal	Yld ft ³ /sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	665	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	178	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	961	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	292	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	562	10.80	2.35	9.60	17:43	Lead: Tuned Light I Class H
	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	X	
			Double Ram		
			Other		
8 3/4	13 5/8	10M	Annular	5M	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

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

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 1372'	Fresh Water	7.83 - 8.33	28	N/C
1372' to 5115'	Brine Water	9.80 - 10.30	30-32	N/C
5115' to 20518'	Oil Based Mud	8.50 - 9.00	50-70	N/C

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

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

6. Logging and Testing Procedures

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

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

7. Drilling Conditions

Condition	
BH Pressure at deepest TVD	4808 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 151H	NENW Sec 5 T24S, R33E	327FNL/ 1638FWL	2211	4643	4176	

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 151H		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.

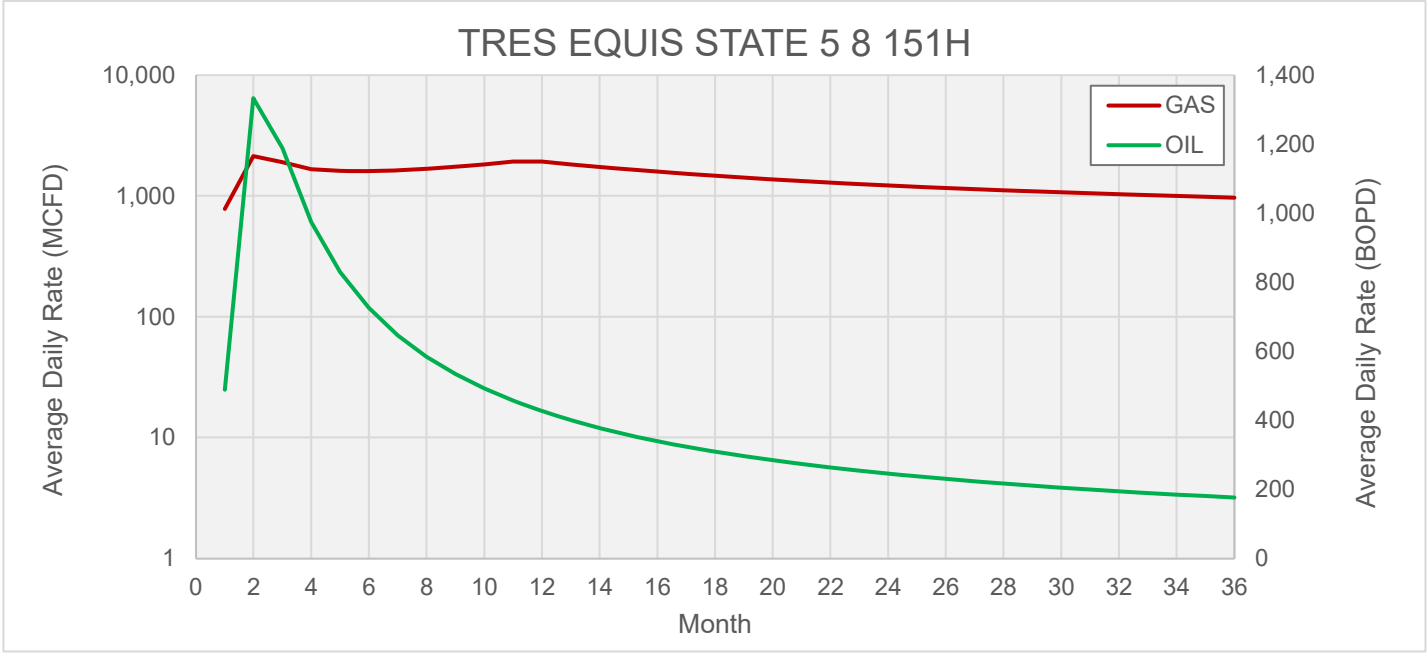
Signature:	<i>Shelly Bowen</i>
Printed Name:	Shelly Bowen
Title:	Sr. Regulatory Analyst
E-mail Address:	shelly.bowen@coterra.com
Date:	10/7/25
Phone:	432/620-1644
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

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 151H	TRES EQUIS STATE 5 8 151H
Labels	GAS MCFD	OIL BOPD
1	782	489
2	2,133	1,333
3	1,901	1,188
4	1,662	974
5	1,612	830
6	1,604	726
7	1,626	646
8	1,672	584
9	1,738	534
10	1,823	492
11	1,926	457
12	1,927	427
13	1,824	400
14	1,734	378
15	1,655	358
16	1,585	340
17	1,522	324
18	1,465	309
19	1,415	296
20	1,368	284
21	1,326	273
22	1,288	263
23	1,252	254
24	1,220	245
25	1,190	237
26	1,162	230
27	1,136	223
28	1,112	216
29	1,089	210
30	1,068	205
31	1,048	199
32	1,030	194
33	1,012	189
34	996	185
35	980	181
36	966	176

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 151H
OGRID No. 215099	Operator Name CIMAREX ENERGY CO.	Ground Level Elevation 3656.0'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL C	Section 5	Township 24S	Range 33E	Lot 3	Ft. from N/S 327 NORTH	Ft. from E/W 1638 WEST	Latitude (NAD 83) 32.253045°	Longitude (NAD 83) -103.597588°	County LEA
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Bottom Hole Location

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.225209°	Longitude (NAD 83) -103.599685°	County LEA
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Dedicated Acres 319.82	Infill or Defining Well Infill	Defining Well API 30-025-53706	Overlapping Spacing Unit (Y/N) N	Consolidation Code C
Order Numbers. Tres Equis 351H Com Agreement - NMSLO		Well setbacks are under Common Ownership: ☒ Yes ☐ No		

Kick Off Point (KOP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.253673°	Longitude (NAD 83) -103.599682°	County LEA
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First Take Point (FTP)

UL D	Section 5	Township 24S	Range 33E	Lot 4	Ft. from N/S 100 NORTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.253673°	Longitude (NAD 83) -103.599682°	County LEA
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Last Take Point (LTP)

UL M	Section 8	Township 24S	Range 33E	Lot	Ft. from N/S 100 SOUTH	Ft. from E/W 990 WEST	Latitude (NAD 83) 32.225209°	Longitude (NAD 83) -103.599685°	County LEA
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3656.0
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OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Shelly Bowen</i> Signature _____ Date 10/7/2025 Shelly Bowen Printed Name shelly.bowen@coterra.com Email Address	SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from the field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor 23782 September 16, 2025 Certificate Number Date of Survey
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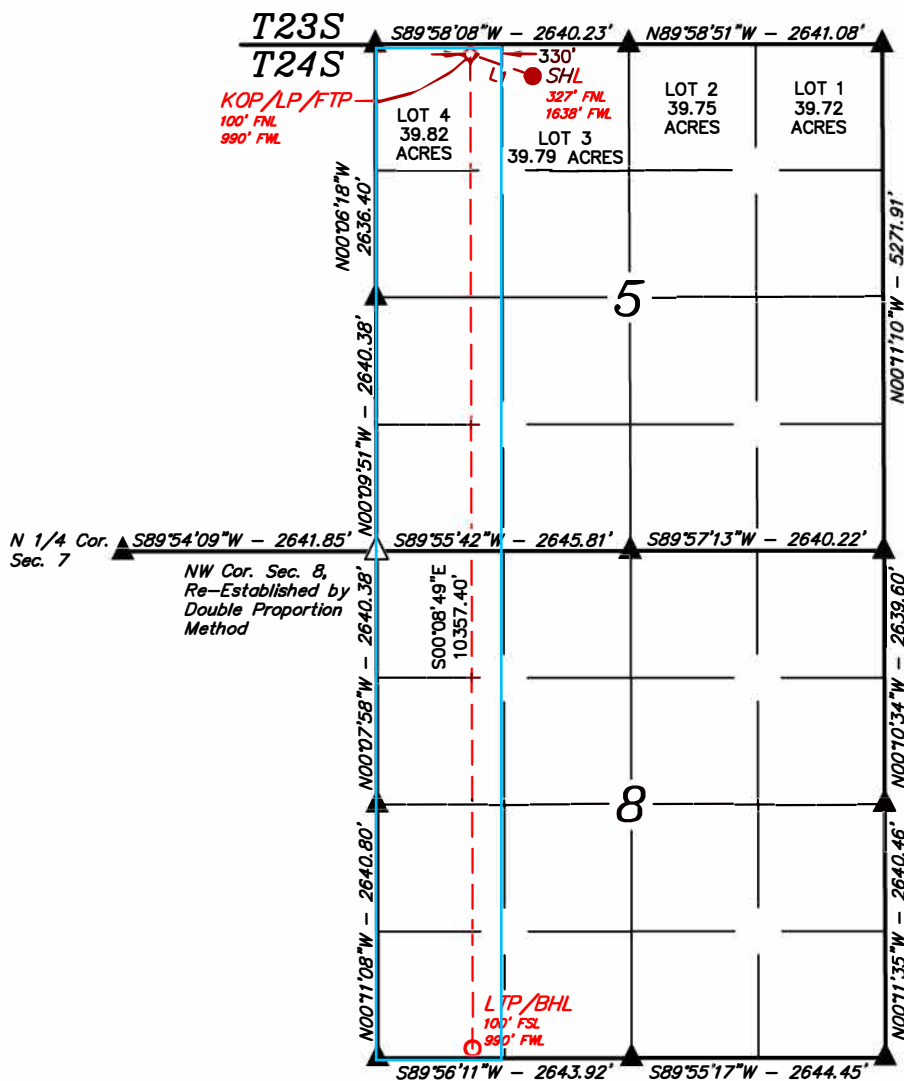
Note: No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

Property Name TRES EQUIS 5 8 STATE COM	Well Number 151H	Drawn By T.I.R. 09-25-25	Revised By
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- = SURFACE HOLE LOCATION
 ◆ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
 ○ = LAST TAKE POINT/BOTTOM HOLE LOCATION
 ▲ = SECTION CORNER LOCATED
 △ = SECTION CORNER RE-ESTABLISHED.
 (Not Set on Ground.)

NOTE:

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N70°41'35"W	686.71'

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.96" (32.253045°)	
LONGITUDE = -103°35'51.32" (-103.597588°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°15'10.52" (32.252921°)	
LONGITUDE = -103°35'49.59" (-103.597108°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456570.34' E: 768783.84'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456511.25' E: 727600.08'	

NAD 83 (KOP/LP/FTP)	
LATITUDE = 32°15'13.22" (32.253673°)	
LONGITUDE = -103°35'58.86" (-103.599682°)	
NAD 27 (KOP/LP/FTP)	
LATITUDE = 32°15'12.78" (32.253550°)	
LONGITUDE = -103°35'57.13" (-103.599202°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 456794.63' E: 768134.92'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 456735.53' E: 726951.16'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°13'30.75" (32.225209°)	
LONGITUDE = -103°35'58.86" (-103.599685°)	
NAD 27 (LTP/BHL)	
LATITUDE = 32°13'30.31" (32.225085°)	
LONGITUDE = -103°35'57.14" (-103.599206°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 446439.26' E: 768204.87'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 446380.42' E: 727020.66'	