AFMSS

U.S. Department of the Interior
Bureau of Land Management

Application for Permit to Drill

APD Package Report

Date Printed:

APD ID:	Well Status:
APD Received Date:	Well Name:
Operator:	Well Number:

APD Package Report Contents

- Form 3160-3 : Error Generating Form

- Operator Certification Report

- Application Report
- Application Attachments
  -- Well Plat: 1 file(s)

- Drilling Plan Report
- Drilling Plan Attachments
  -- Blowout Prevention Choke Diagram Attachment: 4 file(s)
  -- Blowout Prevention BOP Diagram Attachment: 1 file(s)
  -- Casing Design Assumptions and Worksheet(s): 1 file(s)
  -- Hydrogen sulfide drilling operations plan: 1 file(s)
  -- Proposed horizontal/directional/multi-lateral plan submission: 5 file(s)
  -- Other Facets: 2 file(s)
  -- Other Variances: 2 file(s)

- SUPO Report
- SUPO Attachments
  -- Existing Road Map: 1 file(s)
  -- Attach Well map: 1 file(s)
  -- Production Facilities map: 4 file(s)
  -- Water source and transportation map: 1 file(s)
  -- Construction Materials source location attachment: 1 file(s)
  -- Well Site Layout Diagram: 3 file(s)
  -- Recontouring attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report

- Bond Attachments
  -- None

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Operator Certification Data Report

03/18/2026

Operator

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

NAME: CRYSTAL DENSON **Signed on:** 03/09/2026

Title: Regulatory Analyst

Street Address: 6001 DEAUVILLE BLVD SUITE 300N

City: MIDLAND **State:** TX **Zip:** 76706

Phone: (432)620-1644

Email address: CRYSTAL.DENSON@COTERRA.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Application Data
03/18/2026

APD ID: 10400109583
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 17H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400109583
Tie to previous NOS? N
Submission Date: 01/19/2026
BLM Office: Carlsbad
User: CRYSTAL DENSON
Title: Regulatory Analyst
Federal/Indian APD: FED
Is the first lease penetrated for production Federal or Indian? FED
Lease number: NMNM94076
Lease Acres:
Surface access agreement in place?
Allotted?
Reservation:
Agreement in place? NO
Federal or Indian agreement:
Agreement number:
Agreement name:
Keep application confidential? Y
Permitting Agent? NO
APD Operator: COTERRA ENERGY OPERATING CO
Operator letter of

Operator Info

Operator Organization Name: COTERRA ENERGY OPERATING CO
Operator Address: 3001 DEAUVILLE BLVD SUITE 300 N
Zip: 79705
Operator PO Box:
Operator City: MIDLAND
State: TX
Operator Phone: (432)620-1642
Operator Internet Address:

Section 2 - Well Information

Well in Master Development Plan? NO
Master Development Plan name:
Well in Master SUPO? NO
Master SUPO name:
Well in Master Drilling Plan? NO
Master Drilling Plan name:
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 17H
Field/Pool or Exploratory? Field and Pool
Field Name: Wildcat G-04 S252623M
Pool Name: Bone Spring

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Is the proposed well in an area containing other mineral resources? NATURAL GAS,OIL

Is the proposed well in a Helium production area? N **Use Existing Well Pad?** N **New surface disturbance?**

Type of Well Pad: MULTIPLE WELL **Multiple Well Pad Name:** Pintail 23-26-35 Federal Com **Number:** E2W2

Well Class: HORIZONTAL **Number of Legs:** 1

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 17 Miles **Distance to nearest well:** 20 FT **Distance to lease line:** 100 FT

Reservoir well spacing assigned acres Measurement: 960 Acres

Well plat: PINTAIL_23_26_35_FEDERAL_COM_C102_17H_01062026_20260114135008.pdf

Well work start Date: 03/01/2025 **Duration:** 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83 **Vertical Datum:** NAVD88

Survey number: **Reference Datum:** GROUND LEVEL

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
SHL Leg #1	289	FNL	1939	FWL	25S	26E	23	Aliquot NENW	32.121531	-104.265747	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	3300			Y
KOP Leg #1	100	FNL	1600	FWL	25S	26E	23	Aliquot NENW	32.122316	-104.266844	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3777	7093	7077	N
PPP Leg #1-1	100	FNL	1600	FWL	25S	26E	23	Aliquot NENW	32.122316	-104.266844	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3777	7093	7077	N

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Wellbore	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD	Will this well produce from this
PPP Leg #1-2	2642	FNL	1576	FWL	25S	26E	23	Aliquot NESW	32.115328	-104.266901	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 19423	-4369	8611	7669	Y
PPP Leg #1-3	0	FNL	1551	FWL	25S	26E	26	Aliquot NENW	32.108065	-104.266959	EDDY	NEW MEXICO	NEW MEXICO	F	FEE	-4366	12307	7666	N
PPP Leg #1-4	2642	FNL	1558	FWL	25S	26E	26	Aliquot NESW	32.100802	-104.267018	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-4366	13257	7666	Y
PPP Leg #1-5	0	FNL	1568	FWL	25S	26E	35	Aliquot NENW	32.09354	-104.267076	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 26870	-4365	13957	7665	Y
EXIT Leg #1	100	FSL	1600	FWL	25S	26E	35	Aliquot SESW	32.079297	-104.267191	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 26870	-4359	23092	7659	Y
BHL Leg #1	100	FSL	1600	FWL	25S	26E	35	Aliquot SESW	32.079297	-104.267191	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 26870	-4359	23092	7659	Y

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 97916	Pool Name Wildcat G-04 S252623M; BONE SPRING
Property Code	Property Name PINTAIL 23-26-35 FEDERAL COM	Well Number 17H
OGRID No. 162683	Operator Name CIMAREX ENERGY CO. OF COLORADO	Ground Level Elevation 3,300.2'

Surface Owner: ☐ State ☑ Fee ☐ Tribal ☑ Federal Mineral Owner: ☐ State ☑ Fee ☐ Tribal ☑ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		389 NORTH	1,939 WEST	32.121531°	-104.265747°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	35	25S	26E		100 SOUTH	1,600 WEST	32.079297°	-104.267191°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
960	Infill Well	Pintail 23-26-35 Fed Com 16H	Y	F

Order Numbers. Pending Well setbacks are under Common Ownership: ☑ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		100 NORTH	1,600 WEST	32.122316°	-104.266844°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		100 NORTH	1,600 WEST	32.122316°	-104.266844°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	35	25S	26E		100 SOUTH	1,600 WEST	32.079297°	-104.267191°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
N/A	☑ Horizontal ☐ Vertical	3,300.2'

OPERATOR CERTIFICATIONS

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.

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.

Crystal Denson 1/6/2026

Signature Date

Crystal Denson

Printed Name

Crystal. Denson@coterra.com

Email Address

SURVEYOR CERTIFICATIONS

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.

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 10-23-25

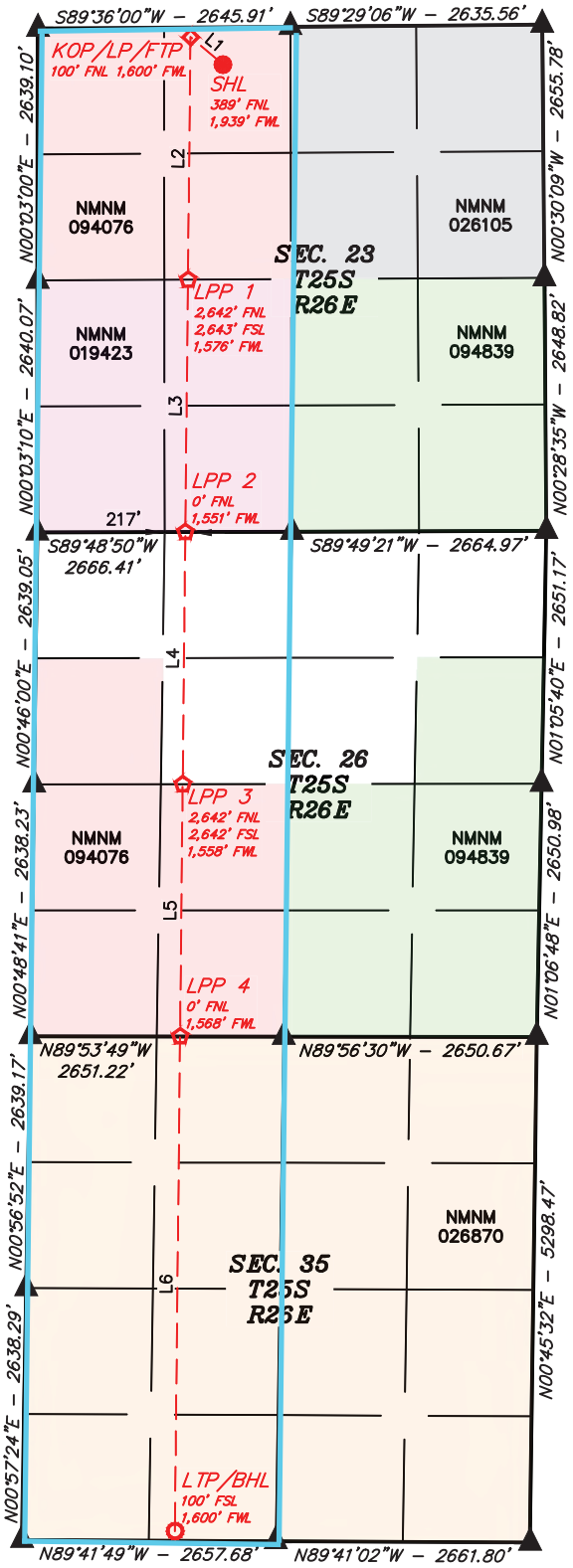
Signature and Seal of Professional Surveyor

23782 October 8, 2025

Certificate Number Date of Survey

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

Property Name	Well Number	Drawn By	Revised By
PINTAIL 23-26-35 FEDERAL COM	17H	L.T.T. 10-23-25	



● = SURFACE HOLE LOCATION
◇ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
⬠ = LEASE PENETRATION POINT
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED

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)
- Colored areas represent Federal oil and gas leases.

LINE TABLE

LINE	DIRECTION	LENGTH
L1	N49°44'46"W	443.73'
L2	S00°35'52"W	2542.81'
L3	S00°35'52"W	2642.77'
L4	S00°35'52"W	2642.52'
L5	S00°35'52"W	2642.41'
L6	S00°35'52"W	5182.67'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.51" (32.121531°)
LONGITUDE = -104°15'56.69" (-104.265747°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.08" (32.121411°)
LONGITUDE = -104°15'54.90" (-104.265249°)
STATE PLANE NAD 83 (N.M. EAST)
N: 407955.65' E: 562260.72'
STATE PLANE NAD 27 (N.M. EAST)
N: 407898.51' E: 521077.79'
NAD 83 (KOP/LP/FTP)
LATITUDE = 32°07'20.34" (32.122316°)
LONGITUDE = -104°16'00.64" (-104.266844°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°07'19.91" (32.122196°)
LONGITUDE = -104°15'58.85" (-104.266346°)
STATE PLANE NAD 83 (N.M. EAST)
N: 408240.89' E: 561920.96'
STATE PLANE NAD 27 (N.M. EAST)
N: 408183.76' E: 520738.03'
NAD 83 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'55.18" (32.115328°)
LONGITUDE = -104°16'00.84" (-104.266901°)
NAD 27 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'54.75" (32.115208°)
LONGITUDE = -104°15'59.05" (-104.266403°)
STATE PLANE NAD 83 (N.M. EAST)
N: 405698.74' E: 561905.05'
STATE PLANE NAD 27 (N.M. EAST)
N: 405641.65' E: 520722.09'
NAD 83 (LEASE PENETRATION POINT 2)
LATITUDE = 32°06'29.03" (32.108065°)
LONGITUDE = -104°16'01.05" (-104.266959°)
NAD 27 (LEASE PENETRATION POINT 2)
LATITUDE = 32°06'28.60" (32.107944°)
LONGITUDE = -104°15'59.26" (-104.266462°)
STATE PLANE NAD 83 (N.M. EAST)
N: 403056.66' E: 561888.52'
STATE PLANE NAD 27 (N.M. EAST)
N: 402999.62' E: 520705.52'
NAD 83 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'02.89" (32.100802°)
LONGITUDE = -104°16'01.26" (-104.267018°)
NAD 27 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'02.46" (32.100682°)
LONGITUDE = -104°15'59.47" (-104.266521°)
STATE PLANE NAD 83 (N.M. EAST)
N: 400414.82' E: 561871.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 400357.83' E: 520688.95'
NAD 83 (LEASE PENETRATION POINT 4)
LATITUDE = 32°05'36.75" (32.093540°)
LONGITUDE = -104°16'01.48" (-104.267076°)
NAD 27 (LEASE PENETRATION POINT 4)
LATITUDE = 32°05'36.31" (32.093420°)
LONGITUDE = -104°15'59.69" (-104.266579°)
STATE PLANE NAD 83 (N.M. EAST)
N: 397773.09' E: 561855.46'
STATE PLANE NAD 27 (N.M. EAST)
N: 397716.15' E: 520672.38'
NAD 83 (LTP/BHL)
LATITUDE = 32°04'45.47" (32.079297°)
LONGITUDE = -104°16'01.89" (-104.267191°)
NAD 27 (LTP/BHL)
LATITUDE = 32°04'45.04" (32.079177°)
LONGITUDE = -104°16'00.10" (-104.266695°)
STATE PLANE NAD 83 (N.M. EAST)
N: 392591.77' E: 561823.03'
STATE PLANE NAD 27 (N.M. EAST)
N: 392534.92' E: 520639.87'

Sheet 2 of 2

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Drilling Plan Data Report
03/18/2026

APD ID: 10400109583
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 17H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical	Measured Depth	Lithologies	Mineral Resources	Producing Formatio
17672304	RUSTLER	-1575	438	438	ANHYDRITE, SANDSTONE	USEABLE WATER	N
17672305	TOP SALT	-2661	1086	1086	ANHYDRITE	NONE	N
17672306	BASE OF SALT	-3251	1676	1676	ANHYDRITE	NONE	N
17672307	BASAL ANHYDRITE	-3464	1889	1889	ANHYDRITE	NONE	N
17672308	LAMAR	-3478	1903	1903	SANDSTONE	NONE	N
17672309	BELL CANYON	-3601	2026	2026	SANDSTONE	NONE	N
17672310	CHERRY CANYON	-4276	2701	2701	SANDSTONE	NONE	N
17672311	BRUSHY CANYON	-5392	3817	3817	SANDSTONE	NONE	N
17672312	BONE SPRING LIME	-7069	5494	5494	LIMESTONE	NONE	N
17672314	BONE SPRING 1ST	-7968	6393	6393	SANDSTONE	NATURAL GAS, OIL	Y
17672315	BONE SPRING 2ND	-8494	6919	6919	SHALE	NATURAL GAS, OIL	Y
17672316	BONE SPRING 3RD	-8879	7304	7304	SANDSTONE	NATURAL GAS, OIL	Y
17672317	BONE SPRING 3RD	-9244	7669	7669	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Pressure Rating (PSI): 10M **Rating Depth:** 23091

Equipment: A BOP consisting of three rams, including one blind ram and two pipe rams and one annular preventer. An accumulator that meets the requirements in Onshore Order #2 for the pressure rating of the BOP stack. A rotating head may be installed as needed. A Kelly clock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor.
Requesting Variance? YES

Variance request: See attached.

Testing Procedure: A multi-bowl wellhead will be utilized and will be tested per 43 CFR 3172 after the installation on the surface casing. The testing interval shall be for 30 days. Whenever any seal subject to pressure is broken, a full BOPE test shall be performed.
Choke Diagram Attachment:

COTERRA_10M_MBU_3T_CFL_13.38_X_9.58_X_5.5_HBE1215DQ_20260107134050.pdf

CHOKE_HOSE_M15486_20260107134051.pdf

10M_BOPE_BLM_SUBMISSION_REV.0_20260107134051.pdf

COTERRA_10K_PROD_TREE_20260107134051.pdf

BOP Diagram Attachment:

10M_BOP_DIAGRAM_20260107133939.pdf

Section 3 - Casing

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N	0	650	0	650	3300	2650	650	H-40	48	ST&C	2.63	6.14	BUOY	10.32	BUOY	10.32
2	INTERMEDIATE	12.25	9.625	NEW	API	N	0	1900	0	1900	3288	1400	1900	J-55	36	LT&C	2.04	3.56	BUOY	6.62	BUOY	6.62
3	PRODUCTION	7.875	5.5	NEW	API	N	0	23091	0	7093	3288	-3793	23091	P-110	20	BUTT	2.93	3.27	BUOY	56.63	BUOY	56.63

Casing Attachments

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Casing Attachments

Casing ID: 1 **String** SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing ID: 2 **String** INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Pintail_17H_Casing_Assumptions_20260114164753.pdf

Casing ID: 3 **String** PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Section 4 - Cement

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	350	212	1.72	13.5	365	38	Class C	Bentonite
SURFACE	Tail		350	650	195	1.34	14.8	261	38	Class C	LCM
INTERMEDIATE	Lead		0	1600	348	1.88	12.9	654	54	35:65 Poz C	Salt + Bentonite
INTERMEDIATE	Tail		1600	1900	111	1.34	14.8	150	54	Class C	LCM
PRODUCTION	Lead		1700	21815	512	3.64	10.3	1864	25	Tuned Light	LCM
PRODUCTION	Tail		21815	22815	3200	1.3	14.2	4160	25	50:50 Poz C	Salt + Bentonite + Fluid Loss + Dispersant + SMS

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with 43 CFR 3172:

Diagram of the equipment for the circulating system in accordance with 43 CFR 3172:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials will be kept on location at all times in order to combat lost circulation or unexpected kicks. In order to run DSTs, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
0	650	OTHER : Fresh water	7.83	8.33							
650	1900	OTHER : Brine water	9.5	10							

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Top Depth	Bottom Depth	Mud Type	Min Weight (lbs/gal)	Max Weight (lbs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	PH	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1900	23091	OIL-BASED MUD	9	9.5							

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

No logs planned, this is an offset well. Logs will be run on the 19H

List of open and cased hole logs run in the well:

DIRECTIONAL SURVEY,

Coring operation description for the well:

N/A

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 3783 **Anticipated Surface Pressure:** 2095

Anticipated Bottom Hole Temperature(F): 149

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations

H2S_PLAN_REV.0_20260108072231.pdf

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

WELL_CONTROL_PLAN_REV.0_20260108072349.pdf
Pintail_23_26_35_Federal_Com_17H_Plan__1_Plot_20260116143414.pdf
Pintail_23_26_35_Federal_Com_17H_Plan__1_20260116143414.pdf
Pintail_23_26_35_Federal_Com_17H_Plan__1_AC_Report_20260116143415.pdf
Pintail_17H_Drilling_Plans_New_Mexico_20260119084704.pdf

Other proposed operations facets description:

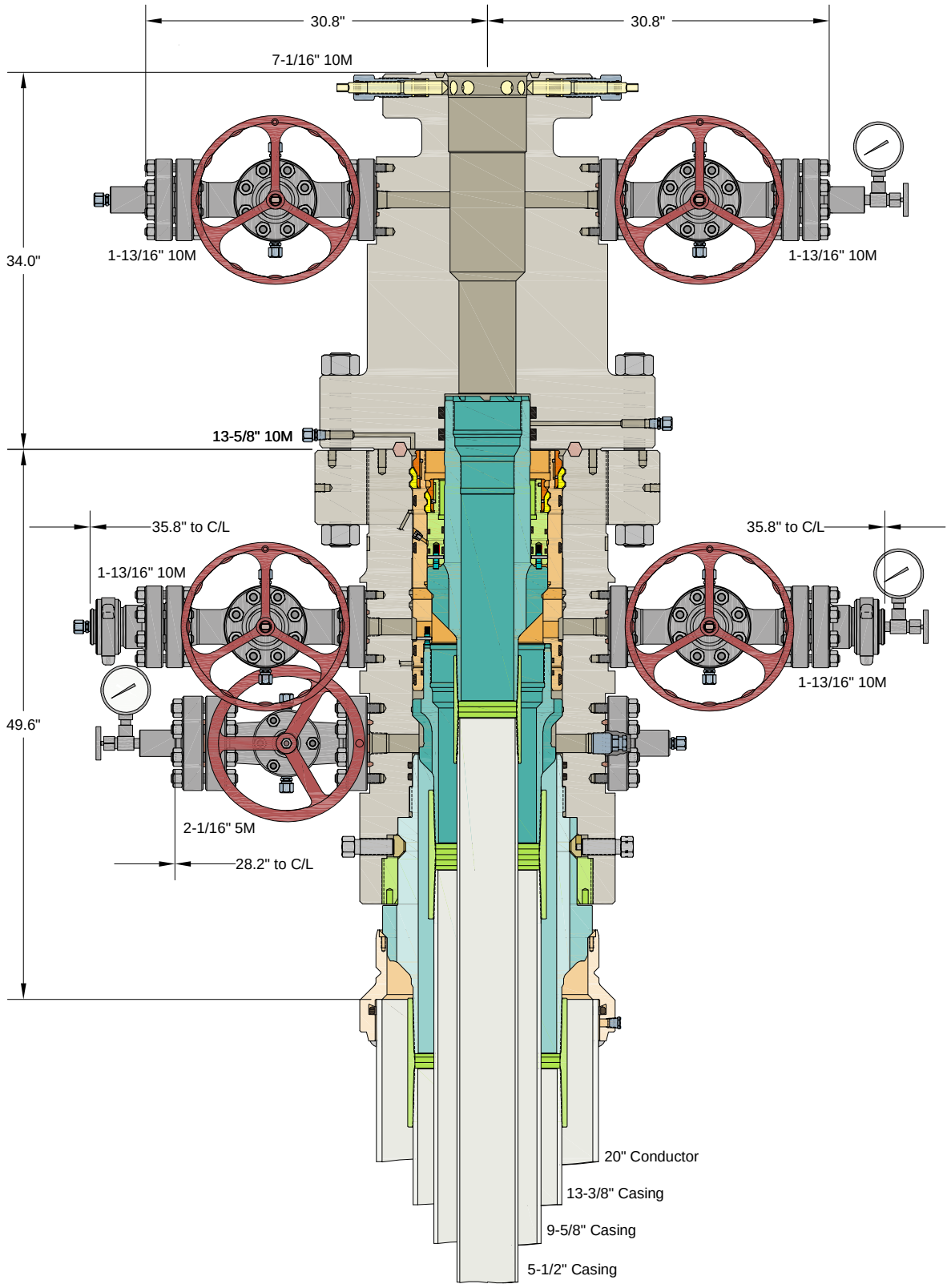
Other proposed operations facets attachment:

PINTAIL_23_26_35_FED_COM_Rig_Layout_Plat_20260108100955.pdf
Pintail_17H_Natural_Gas_Plan_Cimarex_20260126200730.pdf

Other Variance request(s)?: Y

Other Variance attachment:

CHOKE_HOSE_M15486_20260108101031.pdf
NEW_MEXICO_STANDARD_VARIANCES_REV.1_20260108101040.pdf



ALL DIMENSIONS APPROXIMAT

CACTUS WELLHEAD LLC	CIMAREX HOBBS, NM
20" x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL Wellhead Sys. With 13-5/8" 10M x 7-1/16" 10M CTH-DBLHPS Tubing Head And 9-5/8" & 5-1/2" Fluted Mandrel Casing Hangers	DRAWN VJK 01MAY24 APPRV DRAWING NO. HBE0001215

AustinHOSE

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×35ft（10.67m）	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3rd edition
Temperature Range	-29℃～+121℃	Inspection date	2024.09.03

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	16C-0403

Approver	Jane C	Auditor	Alice D	Inspector	Leo W

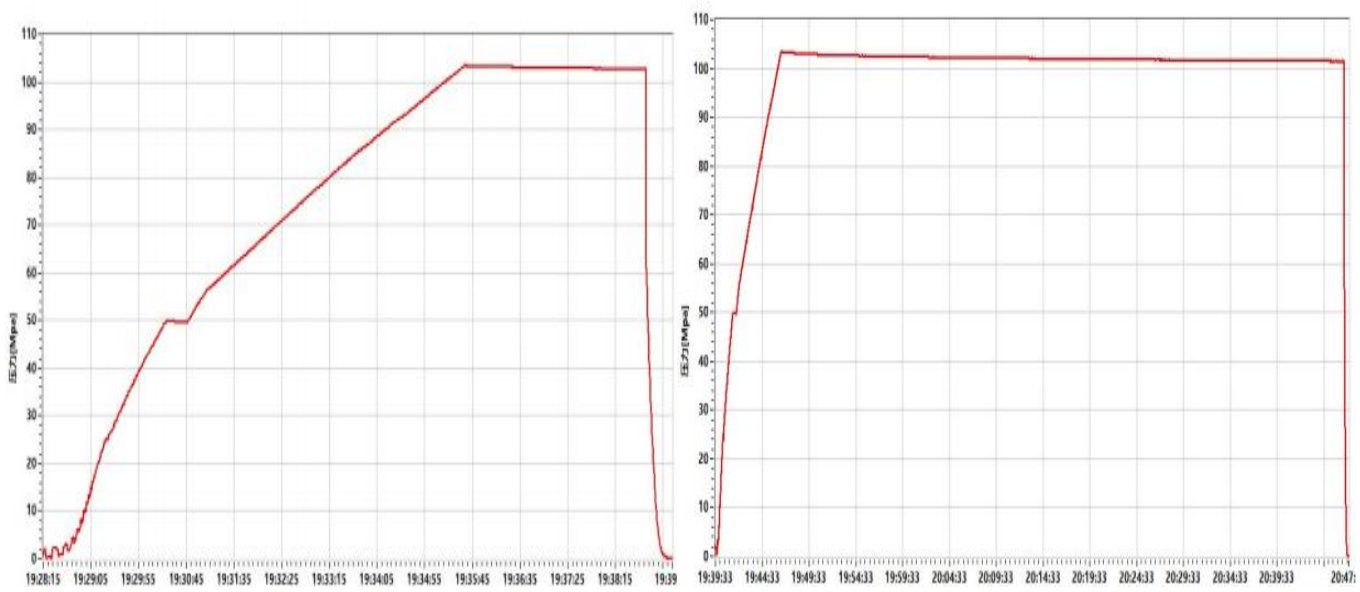
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28 №: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×35ft（10.67m）	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leakage.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		

Graph of pressure testing：



Conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition 16C-0403				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD

AustinHOSE

CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name：Choke And Kill Hose

Product Specification：3″×10000psi×35ft（10.67m）

Serial Number：VTC-7660257

customer number：PO890145-001

End Connections: 4-1/16″×10000psi Integral flange for sour gas service

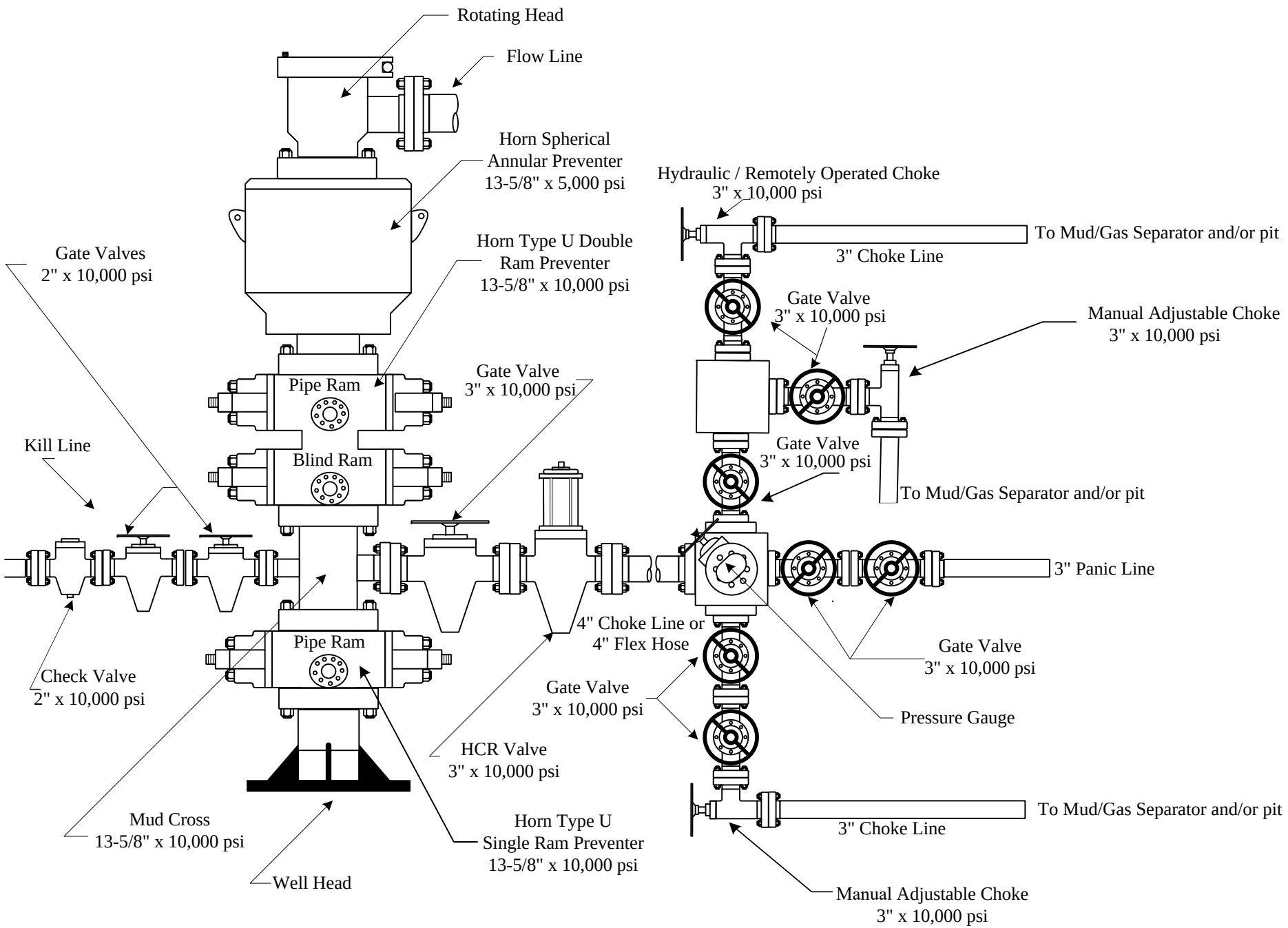
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

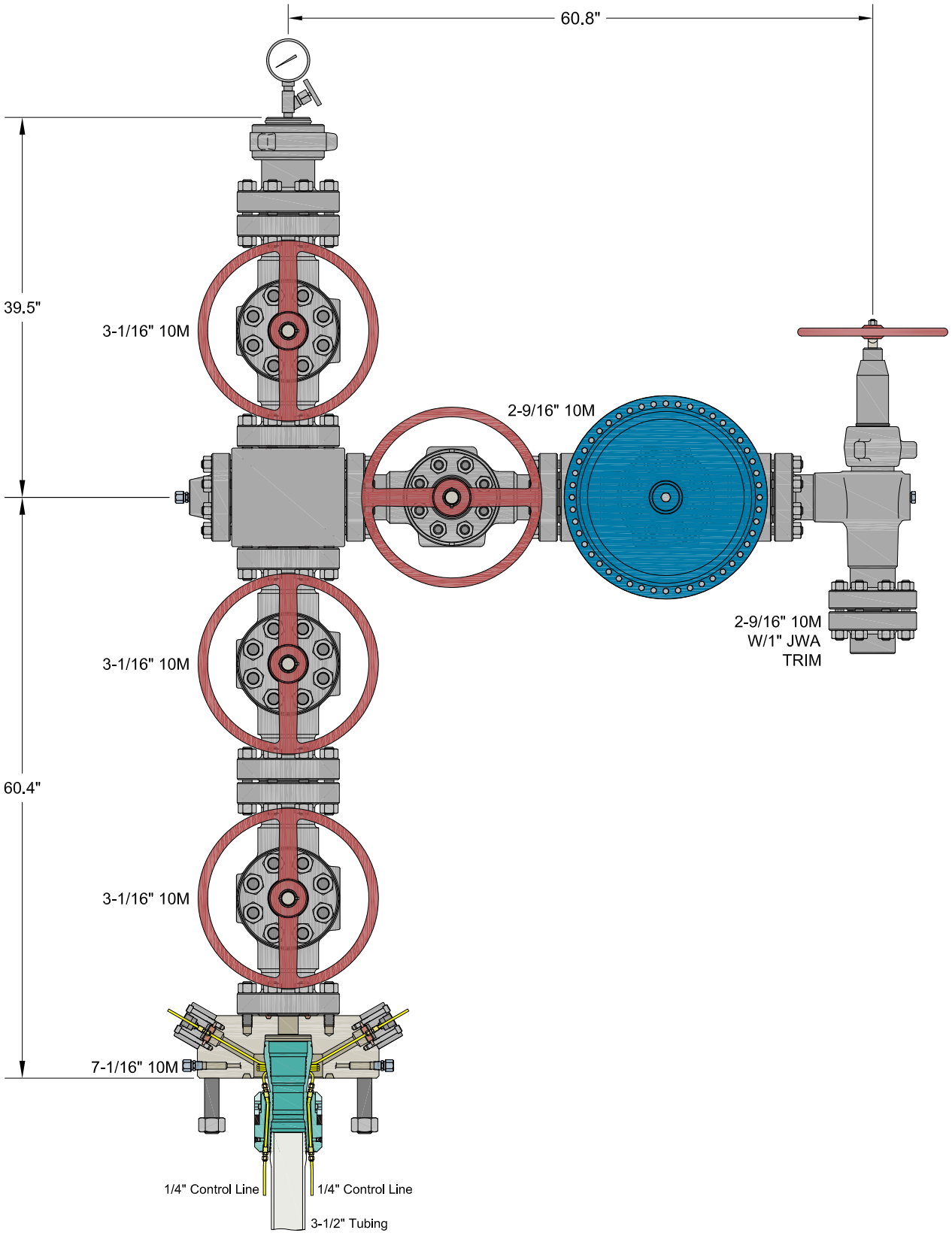
QC Manager： Jane C Date:Sep 3, 2024

16C-0403

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	LETONE

COTERRA





ALL DIMENSIONS APPROXIMATE

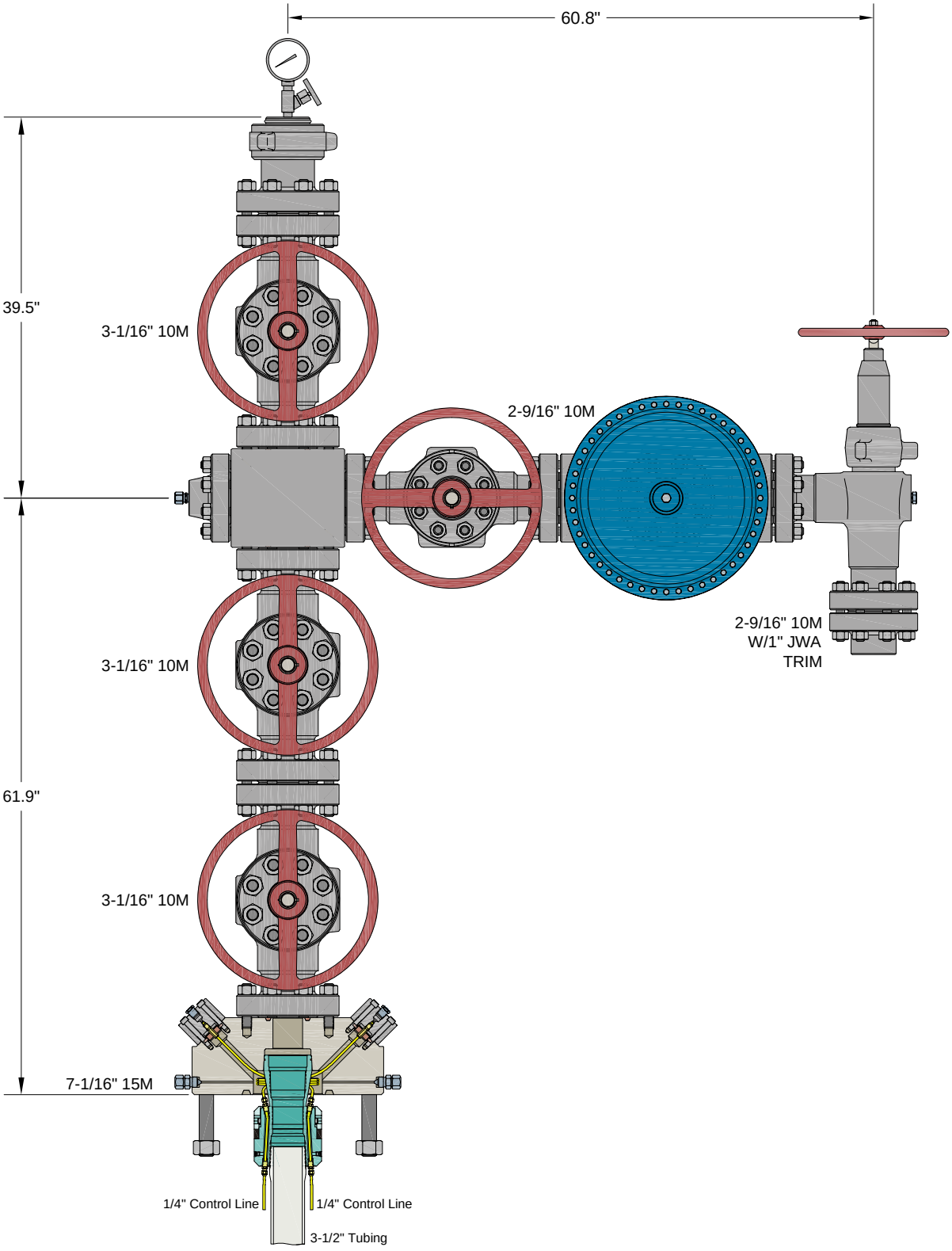
CACTUS WELLHEAD LLC

CIMAREX
HOBBS, NM

7-1/16" 10M x 3-1/16" x 2-9/16" 10M Production Tree Assembly
With 7-1/16" 10M x 3-1/16" 10M T40-CCL Tubing Head Adapter
And 7-1/16" 3-1/2" T40-CCL Tubing Hanger

DRAWN	VJK	05SEP23
APPRV		

DRAWING NO. HBE0001018



ALL DIMENSIONS APPROXIMAT

CACTUS WELLHEAD LLC	CIMAREX HOBBS, NM	
7-1/16" 15M x 3-1/16" x 2-9/16" 10M Production Tree Assembly With 7-1/16" 15M x 3-1/16" 10M T40-CCL Tubing Head Adapter And 7-1/16" 3-1/2" T40-CCL Tubing Hanger	DRAWN	VJK 13DEC23
	APPRV	
	DRAWING NO.	HBE0001018

Cactus

Quotation

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

Bill To: 7050

CIMAREX
ATTN: DAVID SHAW
202 S CHEYENNE AVENUE SUITE 1000
TULSA OK 74103
US

Ship To: 1016

2023 PRICING REVIEW
202 S Cheyenne Ave Ste 1000
Tulsa OK 74103-3001
US

	Quantity	Price	Ext Price

CIMAREX

HOBBS, NM

PRODUCTION TREE ASSEMBLY
7-1/16" 10M X 3-1/16" 10M X 2-9/16" 10M
OPTIONAL 15M ADAPTER

QUOTATION SUMMARY:

- PRODUCTION TREE ASSEMBLY - $49,338.02

CACTUS CONTACT:
RILEY STAFFORD / MIKE SPINKS
OFFICE: 405.708.7217 (RILEY) / 713.396.5762 (MIKE)
MOBILE: 405.445.2222 (RILEY) / 832.691.7724 (MIKE)
EMAIL: riley.stafford@cactuswellhead.com / mike.spinks@cactuswellhead.com

DUE TO VOLATILITY IN THE STEEL MARKET, PRICING FOR ITEMS MADE FROM NICKEL ALLOYS (EX. 410SS, 17-4PHSS, INCONEL, ETC.) WILL BE VALID FOR TWO WEEKS. CW WILL REVIEW AND ADJUST, IF NECESSARY, AT ORDER PLACEMENT.

PREMIUM THREADED CASING HANGERS/RUNNING TOOLS & CUSTOMER SPECIFIC EQUIPMENT ARE NON-CANCELABLE AND MAY REQUIRE A PURCHASE ORDER (PO) PRIOR TO MANUFACTURING.

SUPPLY CHAIN PRICING IS BASED UPON A 135 DAY DELIVERY ARO. EXPEDITED PRICING CAN BE PROVIDED UPON REQUEST. PRICES ARE F.O.B. CACTUS BOSSIER CITY, LA. THE FOLLOWING QUOTATION DOES NOT INCLUDE APPLICABLE MILEAGE AND SERVICE CHARGES THAT MAY BE CHARGED AT TIME OF INVOICING.

Cactus

Quotation

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

		Quantity	Price	Ext Price
	PRODUCTION TREE ASSEMBLY			
1	124314P2	1.00	4,830.00	4,830.00
	ADPT,TBGHD,CW,T40-CCL,7-1/16 10M STD X 3-1/16 10M STD,W/TWO #14 DHCV W/1/4 LP INLETS,10000 PSI MAX WP,TEMP PU,MATL EE,PSL2,PR2			
2	120242MV	1.00	4,343.00	4,343.00
	VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)			
3	120242MV	1.00	4,343.00	4,343.00
	VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)			
4	128365	1.00	2,650.00	2,650.00
	CRSS,STD,AOZE,3-1/16 10M X 2-9/16 10M,6A-LU-EE-3			
5	120242MV	1.00	4,343.00	4,343.00
	VLV,CW,SB100,3-1/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL3 PR1) QPQ TRIM, API 6A PR1 SECTION 10.5.2 (BORE VENT HOLE)			
6	142800	1.00	1,270.00	1,270.00
	TREECAP,NEWAY,BHTA,B15A,3-1/16 10M X 3-1/2 EU ILT,W/1/2 NPT & 3.06 MIN BORE,MONOGRAMMED,TEMP PU,MATL EE,PSL2			
7	BX154	5.00	10.44	52.20
	RING GASKET,BX154,3-1/16 10/15/20M			
8	780077-20E1	16.00	19.83	317.28
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,1-8UNC X 7,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING			
9	132879	1.00	495.00	495.00
	FLG,BLIND,AOZE,3-1/16 10M X 1/2 NPT,W/HUB,TEMP LU,MATL EE,PSL3			
10	100048	1.00	59.74	59.74
	FTG,GRS,VENTED CAP,1/2 NPT,4140 -50F W/ELECTROLESS NICKEL COATING NACE,K-MONEL BALL,INCONEL X-750 SPRING			
11	115900MV	1.00	3,285.00	3,285.00
	VLV,CW,SB100,2-9/16 10M FE BB/EE-0,5 (API 6A LU BB/EE-0,5 PSL2 PR2) QPQ TRIM, API 6A PR2 ANNEX F (BORE VENT HOLE)			
12	128567	1.00	8,292.00	8,292.00
	VLV/ACT,OMNI,FS-R,2-9/16 10M FE EE HF C/W MODEL DX-18 DIAPHRAGM PNEUMATIC ACTUATOR, FORGED BODY, REVERSE ACTING SLAB GATE, FLOATING SEATS & DIRECTIONAL FLOW BODY BUSHING (FLOW FROM RIGHT TO LEFT): MAT'L CLASS EE, HARDFACE TRIM, TEMP PU (-20 TO 250 F), PSL-2, PR-2; ACTUATOR: MATERIAL CLASS BB, TEMP P (-20F TO 180F) PR-2 (FC TYPE) W/MANUAL OVERRIDE,ACTUATOR REQUIRES 112 PSI TO OPEN AT FULL 10,000 PSI			
13	130652	1.00	7,500.00	7,500.00
	CHOKE,ADJ,HOE,H2,2-9/16 10M FE X FE ALLOY BDY,3" NOMINAL,W/ 2" SSTC TRIM,H2S SERVICE,API MONOGRAMMED,PSL-2 PR-2 TEMP-PU MATL-EE-1.5			
14	120734	1.00	399.00	399.00
	FLG,COMP,AOZE,2-9/16 10M X 2-7/8 EU,5000 PSI MAX WP,TEMP LU,PSL3,PR1			

Cactus

Quotation

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

			Quantity	Price	Ext Price
15	BX153		5.00	11.54	57.70
	RING GASKET,BX153,2-9/16 10/15/20M				
16	780067-20E1		24.00	14.70	352.80
	STUD,ALL-THD W/2 HVY HEX NUTS,BLK,7/8-9UNC X 6-1/2,API 20E BSL-1 ASTM A193 GR B7 ALL THREAD STUD W/2 API 20E BSL-1 ASTM A194 GR 2H HEAVY HEX NUTS,NO PLATING				
17	135166		1.00	4,490.00	4,490.00
	TBGHGR,CW,T40-CCL,7-1/16 X 3-1/2 EU API MOD BOX BTM X 3-1/2 EU BOX TOP,W/3 HBPV THD,W/ TWO 1/4 CCL & DOVETAIL SEAL,CF 124316P2,10000 PSI MAX WP,17-4PH SS,TEMP PU,MATL FF-0,5,PSL2,PR2				
18	BX156		1.00	62.48	62.48
	RING GASKET,BX156,7-1/16 10/15/20M				
19	NVS		1.00	61.16	61.16
	NEEDLE VALVE,MFS,1/2 NPT MXF,10M PSI WP,CARBON STEEL BODY, 304/316SS STEM, TFE PACKING (NON-NACE)				
20	PG10M		1.00	58.24	58.24
	PRESSURE GAUGE,10M,4-1/2 FACE, LIQUID FILLED,1/2 NPT				
21	PRO	Prorata Freight	0.75	2,768.56	2,076.42
					49,338.02

OPTIONAL 15M ADAPTER

22	124999P2		0.00	7,423.00	0.00
	ADPT,TBGHD,CW,T40-CCL,7-1/16 15M STD X 3-1/16 10M STD,W/TWO #14 DHCV W/1/4 NPT INLET,10000 PSI MAX WP,TEMP PU,MAT'L EE,PSL2,PR2				
					0.00

For Acceptance of this Quotation
Please Contact Ph: 713-626-8800
sales@cactuswellhead.com

Matl:	47,261.60
Labor:	0.00
Misc:	2,076.42
Sales Tax:	0.00
Total:	49,338.02

Cactus

Quotation

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

CACTUS WELLHEAD, LLC PURCHASE TERMS AND CONDITIONS

1. **ACCEPTANCE**: Acceptance of Cactus Wellhead, LLC (herein: Company) Purchase Terms and Conditions (herein: CACTUS Purchase Terms) shall be deemed effective upon shipment of the Products and/or rendering of Services which are the subject of an order by Customer (defined as the party purchasing CACTUS Products and or Services referred on the invoice). Any proposal made by Customer for additional or different terms and conditions or any attempt by Customer to vary in any degree any of the terms and conditions of CACTUS Purchase Terms is hereby rejected.

2. **PRICING**. Each Product and Service shall be invoiced at (and Customer shall pay) the respective price shown on the reverse side hereof, or if no price is shown on the reverse side hereof, at the price shown in the current price list of Company. In addition, Customer shall pay any and all additional charges for mileage, transportation, freight, packing and other related charges, as well as any federal, state or local tax, excise, or charge applicable on the sale, transportation, or use of Products and Services, unless otherwise specified.

3. **TERMS OF PAYMENT**. Customer agrees to pay Company any and all payments due on or before thirty (30) days from invoice date at the designated address of Company. Amounts unpaid after such thirty (30) day period shall bear interest at the lesser of (i) one and one-half percent (1½%) per month or (ii) the maximum rate allowed by law. Customer shall also pay any and all of Company's attorney's fees and court costs if any amounts hereunder are collected by an attorney or through legal proceedings. Company reserves the right, among other remedies, either to terminate this agreement or to suspend further deliveries upon failure of Customer to make any payment as provided herein.

4. **LIMITED WARRANTY**. COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE MERCHANTABILITY, FITNESS FOR PURPOSE, DESCRIPTION, QUALITY, PRODUCTIVENESS, ACCURACY OR ANY OTHER MATTER WITH RESPECT TO PRODUCTS OR SERVICES, ALL SUCH WARRANTIES BEING HEREBY SPECIFICALLY AND EXPRESSLY DISCLAIMED BY COMPANY. COMPANY MAY OFFER TECHNICAL ADVICE OR ASSISTANCE WITH REGARD TO THE PRODUCTS AND SERVICES BASED ON LABORATORY AND/OR FIELD EXPERIENCE AND CUSTOMER UNDERSTANDS AND AGREES THAT SUCH ADVICE REPRESENTS ONLY GOOD FAITH OPINIONS AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE. THE SOLE AND EXPRESS WARRANTY PROVIDED BY COMPANY IS TO WARRANT THAT THE PRODUCTS SOLD AS LISTED ON THE REVERSE SIDE HEREOF COMPLY WITH COMPANY'S SOLE SPECIFICATION AT THE DATE AND TIME OF MANUFACTURE. COMPANY MAKES NO WARRANTY THAT SUCH PRODUCTS SHALL MEET SUCH SPECIFICATION AT ANY TIME AFTER SHIPMENT OF PRODUCTS. USE OF SUCH PRODUCTS IS SPECIFICALLY NOT WARRANTED.

5. **REMEDY**. The exclusive remedy for this warranty for Products shall be limited to, in Company's sole discretion and judgment, the replacement of defective part(s), F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer), or repair of defective part(s). . The exclusive remedy for this warranty for Services shall be limited to the repeat of Services performed F.O.B. Company's plant (transportation, redesign, dismantling, disposal of material and installation are not included and shall be borne and paid for by Customer). Any such repeat of Services or replacement or repair of Products shall not include any materials not sold by Company hereunder, and specifically excludes any obligation by Company related to other property of the Customer or any property of third parties. Provided, however, Company may in its sole discretion, decide to instead give Customer credit memorandum for the amounts already paid by Customer to Company for such Product or Service. IN ANY EVENT AND NOTWITHSTANDING THE LANGUAGE TO THE CONTRARY HEREIN, CUSTOMER ACKNOWLEDGES THAT ANY CLAIM IT MAY HAVE ARISING OUT OF OR IN CONNECTION WITH ANY ORIGINAL PRODUCTS AND SERVICES, ANY REPLACEMENT PRODUCTS OR REPEAT OF SERVICES AND THESE CACTUS PURCHASE TERMS SHALL BE LIMITED TO AND NOT EXCEED THE AMOUNT CUSTOMER HAS ACTUALLY PAID TO COMPANY FOR SUCH PRODUCTS AND/OR SERVICES PURSUANT HERETO. If Customer fails to make any such claim within thirty (30) days after completion of Service or delivery of Products, Customer hereby waives (to the extent permitted by applicable law) any and all claims it may or does have with respect to such Products and Services. Unless Customer is an authorized reseller of Company, Company's liability in connection with Products and Services shall extend only to Customer. CUSTOMER HEREBY INDEMNIFIES AND HOLDS COMPANY (AND ITS AGENTS, REPRESENTATIVES, OFFICERS DIRECTORS AND EMPLOYEES) HARMLESS FOR ANY LOSS, EXPENSE OR DAMAGE (WHETHER OF CUSTOMER OR OF ANY THIRD PARTY) ARISING FROM OR IN CONNECTION WITH PRODUCTS AND SERVICES, INCLUDING WITHOUT LIMITATION ANY FAILURE OF SUCH PRODUCTS AND SERVICES TO CONFORM TO CUSTOMER'S ORDER OR SPECIFICATION OR ANY OTHER STANDARD, OR ANY NEGLIGENCE OR BREACH OF WARRANTY BY COMPANY WITH RESPECT TO ANYTHING DONE OR FAILED TO HAVE BEEN DONE BY COMPANY, IF AND TO THE EXTENT THAT SUCH LOSS, EXPENSE OR DAMAGE EXCEEDS THE AMOUNT CUSTOMER HAS ACTUALLY PAID COMPANY PURSUANT HERETO FOR SUCH PRODUCTS OR SERVICES.

6. **INSPECTION**. The results of any inspection or testing reported by the Company to Customer represents only good faith opinions and are not to be construed as warranties or guarantees of the quality, classification, merchantability, fitness for purpose, condition, or liability of any equipment or material that has been inspected or tested by the Company.

7. **INSURANCE**. Each party agrees to maintain comprehensive general liability insurance in the amount of $1,000,000 each occurrence, $2,000,000 general aggregate, and Workers Compensation insurance per statutory requirements providing coverage for the indemnity obligations in this agreement. The Company (and such of its affiliates as it shall designate) including their officers, directors, members, shareholders, partners, joint ventures, employees, agents and representatives shall be named as additional insureds under the policies of Customer on a primary basis to the extent of its indemnification obligations set forth in these CACTUS Purchase Terms, and the policies shall also provide a waiver of subrogation rights in favor of the Company (and such of its affiliates as it shall designate) and their officers, directors, members, shareholders, employees, agents and representatives. The provisions of this Section 7 shall apply and the obligation to maintain insurance of each party in the coverages and amounts set forth herein shall remain in force regardless and independent of the validity or enforceability of the indemnity provisions of Section 8, below; the obligation to obtain insurance is a separate and independent obligation. If the insurance required herein is more or less than allowed by prevailing law, the indemnity obligations in Section 8 below shall be effective only to the maximum extent permitted under applicable law.

8. **INDEMNIFICATION**. The following indemnifications and releases of liability will apply to any Products or Services provided under this contract. COMPANY AND CUSTOMER EXPRESSLY AGREE THAT, TO THE EXTENT REQUIRED BY APPLICABLE LAW TO BE EFFECTIVE, THE INDEMNITIES AND DISCLAIMERS OF WARRANTIES CONTAINED HEREIN ARE "CONSPICUOUS."

A. **Customer Indemnity Obligations**. Customer hereby releases Company from any liability for, and shall protect, defend, indemnify, and hold harmless Company, its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, insurers, and consultants (specifically excluding any member of Customer Group) of all of the foregoing, and its and their respective successors, heirs and assigns ("Company Group") from and against all costs (including the payment of reasonable attorneys' fees), losses, liabilities, demands, causes of action, damages, or claims of every type and character ("Claims"), arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of Customer its parents, affiliates, subsidiaries, partners, joint owners, joint ventures, and its contractors and subcontractors of any tier, and the officers, directors, agents, representatives, employees, customers, insurers, invitees and consultants of all of the foregoing, and its and their respective successors, heirs and assigns ("Customer Group"), or (ii) loss of or damage to any property of any member of Customer Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.

B. **Company Indemnity Obligations**. Company hereby releases Customer from any liability for, and shall protect, defend, indemnify, and hold harmless Customer from and against all Claims arising out of or resulting from or related, directly or indirectly, to (i) injury to, illness or death of any member of Company Group, or (ii) loss of or damage to any property of any member of Company Group, REGARDLESS OF THE CAUSE OF SUCH CLAIMS, INCLUDING THE NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF CUSTOMER GROUP, BUT NOT IN THE CASE OF GROSS NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY MEMBER OF COMPANY GROUP.

C. **Third Party Claims**. Notwithstanding the foregoing, to the extent of its negligence, Company and Customer shall each indemnify, defend and hold harmless from and against all Claims, of every type and character, which are asserted by third parties for bodily injury, death or loss or destruction of property or interests in property in any manner caused by, directly or indirectly resulting from, incident to, connected with or arising out of the work to be performed, Services to be rendered or Products or materials furnished to Customer. When personal injury, death or loss of or damage to property is the result of joint or concurrent negligence of Customer and Company, the indemnitor's duty of indemnification shall be in proportion to its allocable share of such negligence.

D. **Pollution**. Company agrees that it shall be totally responsible for, and shall protect, defend and indemnify, Customer for all losses, damages, claims, demands, costs, charges, and other expenses, including attorneys' fees, for any and all waste and/or hazardous substances which are in Company Group's exclusive possession and control and directly associated with Company Group's equipment and facilities, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF CUSTOMER GROUP. Customer shall assume all responsibility for, including control and removal of, and shall protect, defend and indemnify Company Group from and against all Claims arising directly or indirectly from all other pollution or contamination which may occur during the conduct of operations hereunder, including, but not limited to, that which may result from fire, blowout, cratering, seepage or any other uncontrolled flow of oil, gas, water or other substance, EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF COMPANY GROUP.

E. **Wild Well**. Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group for any damages, expenses, losses, fines, penalties, costs, expert fees and attorneys' fees arising out of a fire, blow out, cratering, seepage or wild well, including regaining control thereof, debris removal and property restoration and remediation. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.

F. **Underground Damage**. Customer shall release Company Group of any liability for, and shall protect, defend and indemnify Company Group from and against any and all claims, liability and expenses resulting from operations related to the work under this agreement on account of injury to, destruction of, or loss or impairment of any property right in or to oil, gas or other mineral substance or water, if at the time of the act or omission causing such injury, destruction, loss or impairment said substance and not been reduced to physical possession above the surface of the earth, and for any loss or damage to any formation, strata, or reservoir beneath the surface of the earth. THIS INDEMNITY APPLIES EVEN IF THE LOSSES, DAMAGES, CLAIMS, DEMANDS, COSTS, FEES, AND EXPENSES ARE CAUSED NEGLIGENCE (WHETHER SOLE, JOINT OR CONCURRENT, ACTIVE OR PASSIVE, ORDINARY OR GROSS) STRICT LIABILITY, OR ANY OTHER LEGAL FAULT OR RESPONSIBILITY OF ANY MEMBER OF COMPANY GROUP.

G. The foregoing indemnities set forth in these CACTUS Purchase Terms are intended to be enforceable against the parties hereto in accordance with the express terms and scope hereof notwithstanding Texas' Express Negligence Rule or any similar directive that would prohibit or otherwise limit indemnities because of the negligence (whether sole, concurrent, active or passive, ordinary or gross) or other fault or strict liability of Company or Customer.

H. If a claim is asserted against one of the parties to this agreement which may give rise to a claim for indemnity against the other party hereto, the party against whom the claim is first asserted must notify the potential indemnitor in writing and give the potential indemnitor the right to defend or assist in the defense of the claim.

9. **RISK OF LOSS**.

A. Title and risk of loss shall pass to Customer upon delivery as specified in Article 11. Customer's receipt of any material delivered hereunder shall be an unqualified acceptance of, and a waiver by Customer of any and all claims with respect to, such material unless Customer gives Company written notice of claim within thirty (30) days after such receipt. Notwithstanding the foregoing, installation or use of materials or equipment shall unequivocally constitute irrevocable acceptance of said materials. Customer assumes all risk and liability for the results obtained by the use of any material or Products delivered hereunder in work performed by on behalf of Customer or in combination with other or substances. No claim of any kind, whether as to material delivered or for non-delivery of material, and whether or not based on negligence, shall be greater in amount than the purchase price of the

Cactus

Quotation

Hobbs, NM
4120 W Carlsbad Hwy
Hobbs NM 88240
Phone: 817-682-8336

Quote Number : HBE0001018

Date: 09/08/2023

Valid For 30 Days

material in respect of which such claim is made.

B. For Services, Company shall not be liable for loss or deterioration of any equipment and material of Customer under Company's control or stored on Company's premises after Company has completed its work if such loss or deterioration results from atmospheric condition, Act of God or other occurrence not within the reasonable control of Company.

10. **TERMINATION**. Company reserves the right to terminate the order at issue, or any part hereof, solely for its convenience at any time without cause with notice to Customer. Company shall have the right to cancel any unfilled order without notice to Customer in the event that Customer becomes insolvent, adjudicated bankrupt, petitions for or consents to any relief under any bankruptcy reorganization statute, violates a term of these CACTUS Purchase Terms, or is unable to meet its financial obligations in the normal course of business. In the event of such termination, Company shall immediately stop all work hereunder. Prior to delivery, Customer may terminate this order without cause upon thirty (30) day notice in writing to Company. In the event of such termination, Company at its sole option shall cease work up to thirty (30) days after such notice. Upon the cessation of work, Customer agrees to pay Company a reasonable termination charge consisting of a percentage of the Invoice price, such percentage to reflect the value of the Products, Services or work in progress completed upon the cessation of work. Customer shall also pay promptly to Company any costs incurred due to paying and settling claims of Company's vendors or subcontractors arising out of the termination of the order by Customer.

11. **DELIVERY**. Unless different terms are provided on the face of this order, all items are sold FOB Company's manufacturing facility in Bossier City, LA., and Customer shall bear the cost of transportation to any other named destination. Upon notification of Company of delivery, Customer shall become liable and shall bear all risk of loss associated with the Products at issues regardless of whether the Products are at a location controlled by Company and whether or not caused by the negligence of Company. In the case of Customer pick-up, the truck furnished by Customer is the destination and Company's obligations regarding shipments are fulfilled when the Products are loaded on the truck. Items to be shipped to any other destination outside of the United States are sold FOB port of shipment (Customer will deliver and bear the cost of transportation to the named port and will bear the cost of transportation thereafter to the final destination). The means of shipment and carrier to the point at which Company's liability for transportation costs ceases shall be chosen by Company. Excess packing, marking, shipping, and transportation charges resulting from compliance with Customer's request shall be for Customer's account. Unless otherwise agreed in writing, delivery time is not of the essence.

12. **RETURNS/REFUND**. Within ninety (90) days of delivery, Customer has the option to return any non-defective Products (any Products found to be defective will be subject to the warranty and remedies expressed in paragraphs four (4) and five (5) above). Customer shall bear all costs of shipment and/or transportation for such return and risk of loss for the returned Products shall remain with Customer until re-delivered to Company's Yard. Customer shall receive a full refund for any returns, less a twenty percent (20%) restocking fee. Company at all times reserves the right to designate certain Products as non-refundable in Company's Sales Quote or Sales Order. In addition, any made-to-order , special order, and/or Product manufactured to Customer specifications are NOT returnable.

13. **DELAYS**. If a specific shipping date is either not given or is estimated only, and is not promised on the face of this order or in a separate writing signed by Company, Company will not be responsible for delays in filling this order nor liable for any loss or damages resulting from such delays. If a specific shipping date is promised, Company will not be liable for delays resulting from causes beyond Company's control, including without limitation accidents to machinery, fire, flood, act of God or other casualty, vendor delays, labor disputes, labor shortages, lack of transportation facilities, priorities required by, requested by, or granted for the benefit of any governmental agency, or restrictions imposed by law or governmental regulation.

14. **LIMITATION OF DAMAGES**. Notwithstanding any other provision contained herein, Company shall not be liable to Customer Group or any third party for consequential (whether direct or indirect damages), indirect, incidental, special or punitive damages, howsoever arising, including, but not limited to loss of profits (whether direct or indirect damages), revenues, production or business opportunities, WHETHER OR NOT SUCH LOSSES ARE THE RESULT IN WHOLE OR IN PART FROM THE NEGLIGENCE (WHETHER SOLE, JOINT, CONCURRENT OR COMPARATIVE, ACTIVE OR PASSIVE, ORDINARY OR GROSS) OF COMPANY GROUP, OR ANY DEFECT IN THE PREMISES, PRE-EXISTING CONDITIONS, PATENT OR LATENT, BREACH OF STATUTORY DUTY, STRICT LIABILITY OR ANY OTHER THEORY OF LEGAL LIABILITY OF COMPANY GROUP (EXCLUDING ONLY LOSSES CAUSED BY THE WILLFUL MISCONDUCT OF COMPANY GROUP).

15. **SECURITY INTEREST**. Customer grants Company, and Company reserves, a security interest, covering all Customer's obligations under these terms (including any liability for breach of Customer's obligations), and applying to all of Customer's right, title, and interest in the Leased Equipment, together with all accessions thereto and any proceeds that may arise in connection with the sale or disposition thereof. Customer shall cooperate with Company in the filing of Financing Statements to perfect such security interest. Furthermore, Customer authorizes Company to execute and file Financing Statements without Customer's signature in any jurisdiction in which such procedure is authorized. Customer warrants, covenants and agrees that it will not, without prior written consent of Company, sell, contract to sell, lease, encumber, or dispose of the Leased Equipment or any interest in it until all obligations secured by this security interest have been fully satisfied.

16. **PATENT AND INTELLECTUAL PROPERTY**. The sale of any Products hereunder does not convey any intellectual property license by implication, estoppel or otherwise regarding the Products. Company retains the copyright in all documents, catalogs and plans supplied to Customer pursuant to or ancillary to the contract. Unless otherwise agreed in writing, Customer shall obtain no intellectual property interest in any Company Product.

17. **TAXES**. Unless otherwise specifically provided for herein, Customer shall be liable for all federal, state, or local taxes or import duties assessed by any governmental entity of any jurisdiction in connection with the Products or Services furnished hereunder.

18. **DECEPTIVE TRADE PRACTICES**. Customer acknowledges the application of Section 17.45(4) of the Texas Deceptive Trade Practices Act (Texas Business Commission Code §17.41 et. seq.) (the "Act") to any transaction contemplated hereby and represents that it is not a "consumer" for the purposes of the Act.

19. **NO WAIVER**. Failure to enforce any or all of the provisions in these CACTUS Purchase Terms in any particular instance shall not constitute or be deemed to constitute a waiver of or preclude subsequent enforcement of the same provision or any other provision of these CACTUS Purchase Terms. Should any provision of these CACTUS Purchase Terms be declared invalid or unenforceable all other provisions of these CACTUS Purchase Terms shall remain in full force and effect.

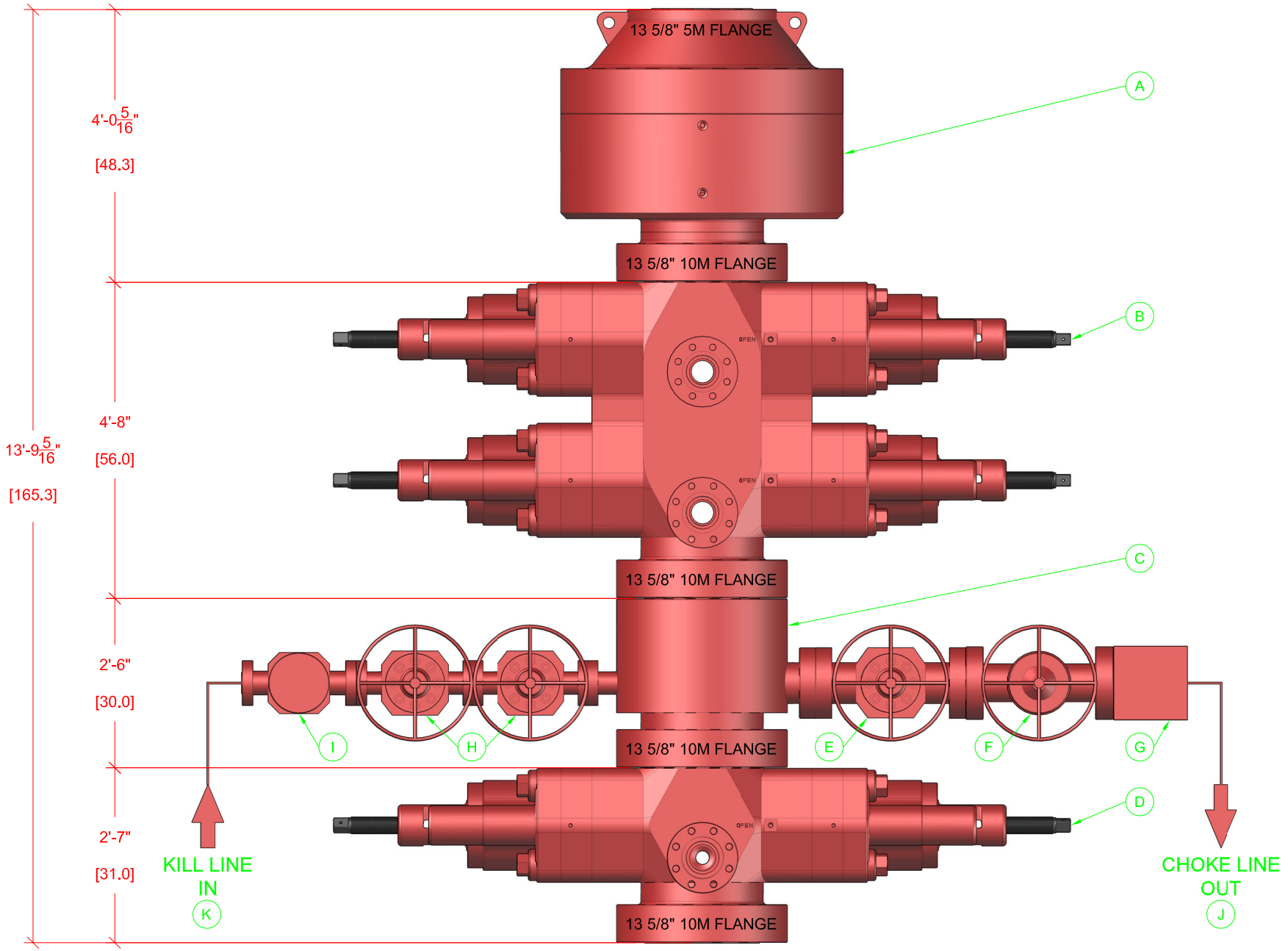
20. **CHOICE OF LAW**. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND SHALL BE PERFORMABLE IN HARRIS COUNTY, TEXAS. WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPALS AND WAIVER OF SAME, EACH PARTY HERETO SUBMITS TO THE JURISDICTION OF THE COURTS OF THE STATE OF TEXAS IN HARRIS COUNTY, TEXAS AND THE FEDERAL COURTS IN AND FOR THE SOUTHERN DISTRICT OF TEXAS SITTING IN HOUSTON, TEXAS IN CONNECTION WITH ANY DISPUTE ARISING UNDER THIS AGREEMENT OR ANY DOCUMENT OR INSTRUMENT ENTERED INTO IN CONNECTION HEREWITH.

21. **AUTHORITY**. Customer warrants and represents that the individual receiving this order at issue on behalf of Customer has the authority to enter into these CACTUS Purchase Terms on behalf of Customer, and that upon receipt these CACTUS Purchase Terms shall be binding upon Customer.

22. **FORCE MAJEURE**. If Company is unable to carry out its obligations hereunder by reason of force majeure, then upon Company's giving of notice and reasonably full particulars of such force majeure in writing to Customer, Company's obligations that are affected by force majeure shall be suspended during the continuance of the force majeure and Company shall not be liable to Customer for any damages incurred by the Customer as a result thereof.

23. **CONFIDENTIALITY**. Customer acknowledges the highly secret and valuable nature of all proprietary inventions, methods, processes, designs, know-how, and trade secrets embodied in the Company's equipment, Products and Services and its components (hereinafter referred to as "Confidential Data"). Accordingly, Customer agrees not to disclose or use any Confidential Data. Customer further agrees to take any and all necessary precautions to prevent disclosure of the Confidential Data associated with the Company's equipment, Products and Services and components thereof to persons other than those employees of Customer for whom such disclosure is necessary for performance of the work hereunder.

24. **COMPLIANCE**. Customer expressly agrees to comply with and abide by, all of the laws of the United States and of the State of Texas, including, but not limited to, OSHA, EPA and all rules and regulations now existing or that may be hereafter promulgated under and in accordance with any such law or laws, and hereby agrees to indemnify and hold Company harmless from any and all claims, demands, or damages incurred by Company arising from Customer's failure to comply with all laws and governmental regulations. The indemnities in this paragraph shall be in addition to any other indemnity obligations between Customer and Company, including any other indemnity obligations contained herein.



BOP EQUIPMENT INFORMATION

DESCRIPTION	MODEL	QTY
ANNULAR BOP	13 5/8" 5M	1
DOUBLE RAM BOP	13 5/8" 10M TYPE-U	1
MUD CROSS	13 5/8" 10M	1
SINGLE RAM BOP	13 5/8" 10M TYPE-U	1
GATE VALVE	4 1/16" 10M FC MANUAL	1
HCR VALVE	4 1/16" 10M HCR	1

ITEM	DESCRIPTION	MODEL	QTY
G	STUDDED BLOCK	4 1/16" 10M	1
H	GATE VALE	2 1/16" 10M FC MANUAL	2
I	CHECK VALVE	2 1/16" 10M	1
J	CHOKE HOSE	4 1/16" 10M	1
K	KILL HOSE	2 1/16" 10M	1
L			

1. Geological Formations

TVD of target 7,659
MD at TD 23,091

Pilot Hole TD N/A
Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	438	N/A	
Top of Salt	1086	N/A	
Base of Salt	1676	N/A	
Anhydrite	1889	N/A	
Lamar	1903	N/A	
Bell Canyon	2026	N/A	
Cherry Canyon	2701	N/A	
Brushy Canyon	3817	N/A	
Bone Spring Lime	5494	N/A	
Leonard Shale	5657	N/A	
1st Bone Spring Sand	6393	N/A	
2nd Bone Spring Sand	6919	N/A	
3rd Bone Spring Carb	7304	Hydrocarbons	
3rd Bone Spring Carb - Target	7669	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	650	650	13-3/8"	48.00	H-40/J-55 Hybrid	ST&C	2.63	6.14	10.32
12 1/4	0	1900	1900	9-5/8"	36.00	J-55	LT&C	2.04	3.56	6.62
7 7/8	0	7093	7093	5-1/2"	[redacted]					
7 7/8	7093	23091	7659	5-1/2"	20.00	P-110	BT&C	2.93	3.27	56.63
					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

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

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 tmie
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.

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 (SO_2). 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	Kermit	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

Well Control Plan

Warning Signs of a Kick

If a kick is ever suspected, perform flow check.

While Drilling:

1. Drilling break or increase in penetration rate
2. Increase of flow
3. Pit gain
4. Flow without pumping
5. Circulating pressure decrease and/or spm increase
6. Increase in gas cutting at the shakers
7. Decrease in cuttings at shakers

While Tripping:

1. Hole not taking the proper fill on trip out of hole
2. Hole returns too much mud on trip in hole
3. Flow without pumping

While Out of the Hole:

1. Flow
2. Pit gain

Well Control Procedures with Diverter

A TIW valve in the open position must be on the rig floor at all times.

If rotating head is installed:

1. Perform flow check.
2. If well is flowing, divert flow down flow line and through separator, before returning across shakers.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.

4. If well becomes uncontrollable, close annular, which will open HCR to divert flow away from rig.

If rotating head is not installed:

1. Perform flow check.
2. If well is flowing uncontrollably, close annular, which will open HCR to divert flow away from rig.
3. Swap to 10 ppg brine and circulate around. Notify superintendent.
4. After 10 ppg is circulated around shut pumps off and perform flow check.

Well Control Procedures

Coterra follows a hard shut-in procedure. Choke will be in the closed position.

General Well Control

1. If in doubt, secure the well first, then inform your supervisor.
2. Never wait for approval to shut in the well.
3. Verify that the mud pump is off before you close the BOP.
4. Always check and verify the well is properly secured after shut in.
5. Always install TIW valve in the open position.
6. If TIW valve is installed and then closed, apply estimated DP shut-in pressure above valve before opening.
7. The weak link in the mud system and mud lines is the pressure relief valve or pop off valve on the mud pump.
8. Keep the TIW valve wrench in a designated location on the rig floor and in the open position.
9. Use a drill string float above the bit. Don't perforate or disable the float.
10. 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.

Hard Shut-In

1. Remote choke is closed.
2. Stop pumping and space out.
3. Check for flow.
4. To shut in, close annular or pipe ram if no annular is present.
5. Open the HCR valve.
6. Check systems, bump float. Record Initial Shut in Drill pipe pressure and Initial shut in casing pressure.

Flow Check when on Bottom

1. Alert crew & stop rotating
2. Pick up and space out
3. Shut down pumps
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Drilling

1. After flow has been detected via flow check, kill pumps, shut in well and open HCR
2. Verify well is shut-in and flow has stopped
3. Notify supervisory personnel
4. Record data
5. Begin go forward planning

Flow Check while Tripping

1. Alert crew & pick up / space out
2. Stop pipe movement. Set slips with tool joint accessible at rotary table
3. Install open TIW safety valve and close valve
4. Observe well for flow
5. Shut-in if flowing

Shutting in while Tripping

1. Install open TIW safety valve and close valve
2. Shut-in the well
3. Verify well is shut-in and flow has stopped
4. Install IBOP
5. Notify supervisory personnel
6. Record data; SICP, shut-in time, kick depth, and pit gain
7. Begin go forward planning

Shutting in while Out of Hole

1. Sound alarm
2. Shut-in well: close blind rams.
3. Verify well is shut-in and monitor pressures.
4. Notify supervisory personnel
5. Record data; SICP, shut-in time, kick depth, and pit gain
6. Begin go forward planning

Information to Record while Shut-In

1. Shut in drill pipe pressure every 5 minutes

2. Shut in casing pressure every 5 minutes
3. Pit gain
4. Total volume in pit system
5. Mud weight in suction pit
6. Current depth
7. Total depth
8. Time the well is shut in

H2S with Annular Diverter:

1. Kill Pumps, close annular, which will open HCR, to divert flow away from rig.
2. Muster and take head count.
3. Call ASSI to check location for H2S. Call Coterra superintendent.
4. After ASSI has checked for H2S the path forward will be decided from Coterra superintendent.

H2S with BOP's:

1. Kill pumps
2. Shut in annular with HCR open and chokes closed.
3. Muster and take head count.
4. Call ASSI to check location for H2S. Call Coterra superintendent.
5. After ASSI has checked for H2S. discuss path forward with Coterra superintendent

Procedure for Closing Blind Rams

- Open HCR valve (visually check that the HCR valve is open – stem in the valve is open, stem out the valve is closed).
- Verify all circulating pumps are off (mud pumps, trip tank pump, etc.)
- Ensure that the hydraulic choke is in the closed position.
- Close the blind rams and place the "blind rams closed, bleed pressure and remove hole cover before opening" sign on the console.
- Monitor the shut in casing pressure gauge periodically while the blinds are closed to ensure that wellbore pressure isn't building. If pressure build up is observed, monitor the shut in casing pressure more frequently & document. Notify rig management and Coterra representative of the pressure build up.
- Ensure that the inner bushings are locked into the master bushings if applicable.
- Install hole cover.

Procedure for Opening Blind Rams

- Make sure choke manifold is aligned correctly.
- Open the hydraulic choke to bleed any trapped pressure that may be under the blind rams. (Even if the casing pressure gauge is reading zero).

- Confirm that no flow is discharging into the trip tank or possum bellies of the shale shaker (wherever the separator is discharging into).
- Remove hole cover.
- Confirm that the inner bushing are locked into the master bushings if applicable.
- Clear all personnel from the rig floor.
- Remove sign and open blind rams.
- Return the BOPE to its original operating alignment.

BOP Drills

- Drilling crews should conduct BOP drills weekly from BOP nipple up to TD for reaction time to properly simulate securing the well. Record BOP drills on that day's report.
- Standard precautions such as checking the accumulator for proper working pressure, function testing rams, and recording slow pump rates are performed on a daily basis or on trips..
- All supervisory personnel onsite need to be properly trained and currently hold certification from an approved blowout prevention school. Any deviation from this needs to be discussed prior to spud.
- Drillers should always notify the tool pusher and the drilling foreman before performing a blowout drill.

Choke Manifold Freeze Prevention

- When possible, blow out the choke & kill lines as well as the choke manifold with rig air to remove water based fluids.
- When clear water is being placed into the choke & kill line as well as the choke manifold, make sure that the water has a mixture of 30% methanol added.
- When applicable, choke & kill lines as well as choke manifold needs to be pumped through with the rig pump by the driller to ensure that the lines aren't plugged with settling barite or solids.

COTERRA

Coterra Energy

Site: Pintail 23-26-35 Federal Com
Well: Pintail 23-26-35 Federal Com 17H
Wellbore: OH
Design: Plan 1
Rig: Rig

PROJECT DETAILS: Eddy County, NM (NAD 83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

total

Azimuths to Grid North
True North: -0.04°
Magnetic North: 6.63°

Magnetic Field
Strength: 47050.9nT
Dip Angle: 59.57°
Date: 1/31/2026
Model: HDGM2026

To convert a Magnetic Direction to a Grid Direction, Add 6.63°

SHL

389' FNL, 1939' FWL
RKB Elevation: 3300.2' GL + 23 @ 3323.20usft (Rig)

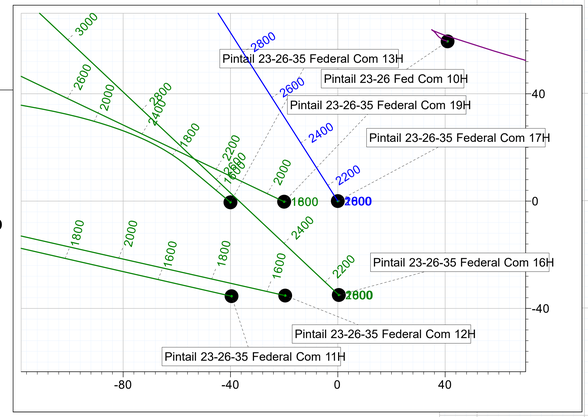
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	407955.65	562260.72	32.1215311	-104.2657472	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
2286.12	5.72	327.50	2285.64	12.04	-7.67	2.00	327.50	-11.99	Start hold at 2286.12 MD
5430.50	5.72	327.50	5414.36	276.46	-176.13	0.00	0.00	-275.35	Start Drop -2.00
5716.62	0.00	0.00	5700.00	288.50	-183.80	2.00	180.00	-287.34	Start hold at 5716.62 MD
7093.14	0.00	0.00	7076.52	288.50	-183.80	0.00	0.00	-287.34	KOP - Start 10.00°/100' DLS
7843.14	75.00	189.70	7629.95	-130.09	-255.35	10.00	189.70	131.70	75° Inc - 7843.14' MD/7629.95' TVD
8143.94	90.04	189.70	7669.00	-423.23	-305.46	5.00	0.00	425.14	LP - 8143.94' MD
8610.87	90.04	180.36	7668.68	-887.84	-346.36	2.00	-90.01	890.00	Start hold at 8610.87 MD
12057.20	90.04	180.36	7666.38	-4334.10	-368.10	0.00	0.00	4336.33	Start DLS 2.00 TFO -89.98
12307.27	90.04	175.36	7666.21	-4583.92	-358.77	2.00	-89.98	4586.09	Start hold at 12307.27 MD
12757.27	90.04	175.36	7665.89	-5032.45	-322.37	0.00	0.00	5034.37	Start Turn 2.00
13257.27	90.04	185.36	7665.54	-5531.80	-325.50	2.00	90.00	5533.74	Start hold at 13257.27 MD
13707.27	90.04	185.36	7665.23	-5979.84	-367.54	0.00	0.00	5982.03	Start DLS 2.00 TFO -90.02
13957.18	90.04	180.36	7665.06	-6229.35	-380.01	2.00	-90.02	6231.62	Start hold at 13957.18 MD
23091.89	90.04	180.36	7659.00	-15363.88	-437.69	0.00	0.00	15366.33	TD - 23091.89' MD

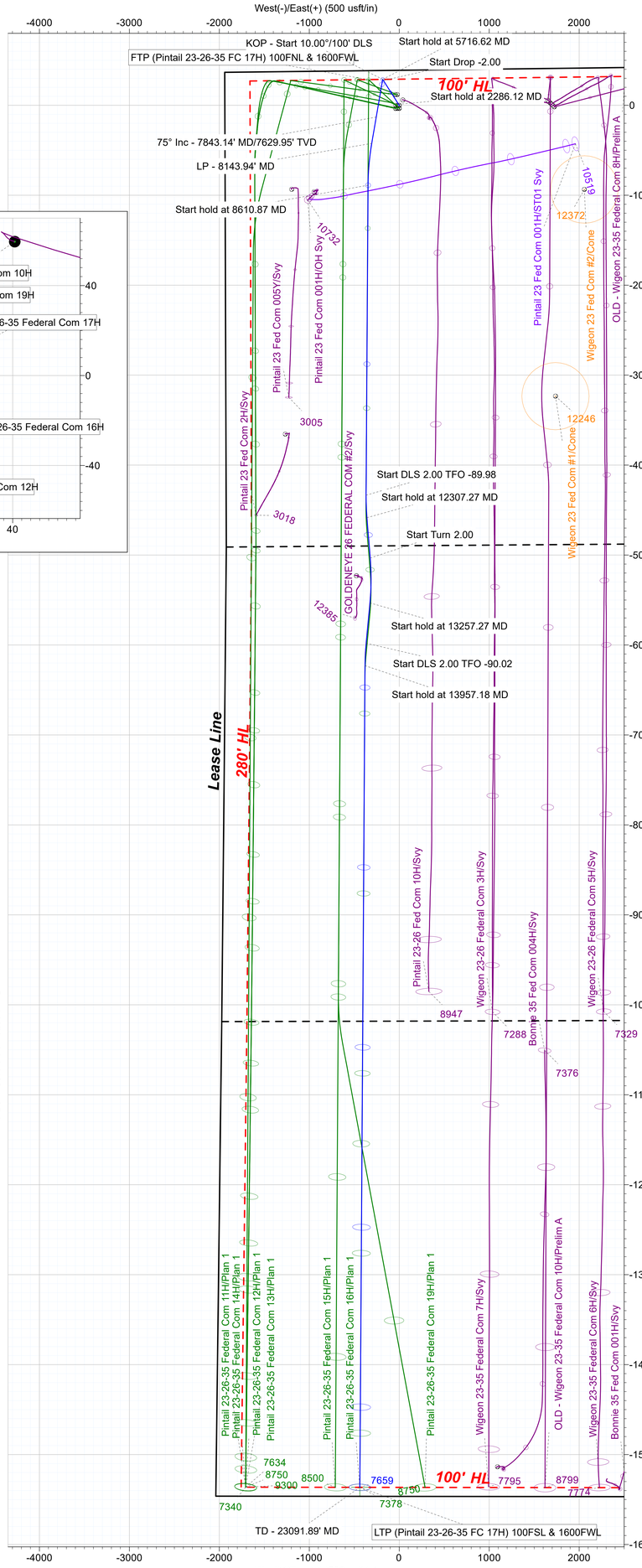
Formations

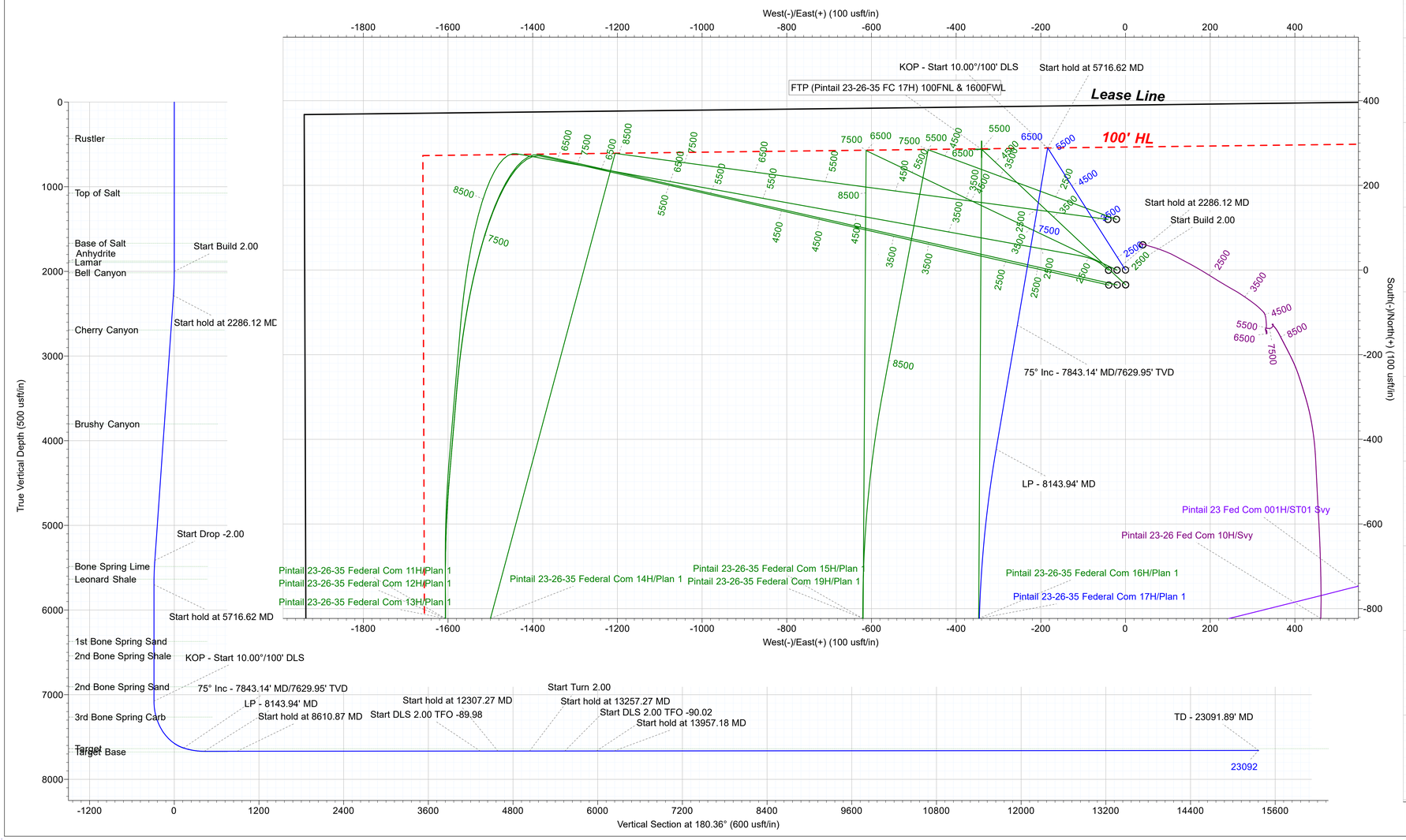
TVDPath	MDPath	Formation
430.88	430.88	Rustler
1075.75	1075.75	Top of Salt
1667.55	1667.55	Base of Salt
1879.23	1879.23	Anhydrite
1893.28	1893.28	Lamar
2016.68	2016.68	Bell Canyon
2692.19	2694.71	Cherry Canyon
3803.04	3811.12	Brushy Canyon
5486.08	5502.50	Bone Spring Lime
5635.88	5652.50	Leonard Shale
6371.52	6388.14	1st Bone Spring Sand
6542.17	6558.79	2nd Bone Spring Shale
6907.39	6924.01	2nd Bone Spring Sand
7264.83	7285.01	3rd Bone Spring Carb
7637.64	7874.44	Target



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (Pintail 23-26-35 FC 17H) 100FNL & 1600FWL	7076.52	285.24	-339.76	408240.89	561920.96	32.1223158	-104.2668441
LTP (Pintail 23-26-35 FC 17H) 100FSL & 1600FWL	7659.00	-15363.88	-437.69	392591.77	561823.03	32.0792972	-104.2671915





Coterra Energy

Eddy County, NM (NAD 83)
Pintail 23-26-35 Federal Com
Pintail 23-26-35 Federal Com 17H

389' FNL, 1939' FWL

OH

Plan: Plan 1

Total Directional
"Driven by TOTAL performance"
total

Standard Plan Report

09 January, 2026

Total Report Version 1.80

COMPASS 5000.16 Build 97

ATTENTION
All annotation callouts related to distances are uncertified and are approximated footages using available software and measurement tools. They should not be mistaken as an official record, which can only be obtained via a certified land surveyor.

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Project Eddy County, NM (NAD 83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Pintail 23-26-35 Federal Com

Site Position:		**Northing:**	407,920.21 usft	**Latitude:**	32.1214338
From:	Map	**Easting:**	562,221.12 usft	**Longitude:**	-104.2658752
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Pintail 23-26-35 Federal Com 17H

Well Position	**+N/-S**	0.00 usft	**Northing:**	407,955.65 usft	**Latitude:**	32.1215311
	+E/-W	0.00 usft	**Easting:**	562,260.72 usft	**Longitude:**	-104.2657472
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,300.20 usft
Grid Convergence:		0.04 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2026	1/31/2026	6.67	59.57	47,050.90000000

Design Plan 1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	180.36

Survey Tool Program **Date** 1/9/2026

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	23,091.89	Plan 1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Plan Summary

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,286.12	5.72	327.50	2,285.64	12.04	-7.67	2.00	2.00	0.00	327.50	
5,430.50	5.72	327.50	5,414.36	276.46	-176.13	0.00	0.00	0.00	0.00	
5,716.62	0.00	0.00	5,700.00	288.50	-183.80	2.00	-2.00	0.00	180.00	
7,093.14	0.00	0.00	7,076.52	288.50	-183.80	0.00	0.00	0.00	0.00	
7,843.14	75.00	189.70	7,629.95	-130.09	-255.35	10.00	10.00	0.00	189.70	
8,143.94	90.04	189.70	7,669.00	-423.23	-305.46	5.00	5.00	0.00	0.00	
8,610.87	90.04	180.36	7,668.68	-887.84	-346.36	2.00	0.00	-2.00	-90.01	
12,057.20	90.04	180.36	7,666.38	-4,334.10	-368.10	0.00	0.00	0.00	0.00	
12,307.27	90.04	175.36	7,666.21	-4,583.92	-358.77	2.00	0.00	-2.00	-89.98	
12,757.27	90.04	175.36	7,665.89	-5,032.45	-322.37	0.00	0.00	0.00	0.00	
13,257.27	90.04	185.36	7,665.54	-5,531.80	-325.50	2.00	0.00	2.00	90.00	
13,707.27	90.04	185.36	7,665.23	-5,979.84	-367.54	0.00	0.00	0.00	0.00	
13,957.18	90.04	180.36	7,665.06	-6,229.36	-380.01	2.00	0.00	-2.00	-90.02	
23,091.89	90.04	180.36	7,659.00	-15,363.88	-437.69	0.00	0.00	0.00	0.00	

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
430.88	0.00	0.00	430.88	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Rustler													
500.00	0.00	0.00	500.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,075.75	0.00	0.00	1,075.75	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Top of Salt													
1,100.00	0.00	0.00	1,100.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,600.00	0.00	0.00	1,600.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,667.55	0.00	0.00	1,667.55	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Base of Salt													
1,700.00	0.00	0.00	1,700.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
1,879.23	0.00	0.00	1,879.23	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Anhydrite													
1,893.28	0.00	0.00	1,893.28	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Lamar													
1,900.00	0.00	0.00	1,900.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	407,955.65	562,260.72	32.1215311	-104.2657472	0.00	0.00	0.00	0.00
Start Build 2.00													
2,016.68	0.33	327.50	2,016.68	0.04	-0.03	407,955.69	562,260.69	32.1215312	-104.2657472	-0.04	2.00	2.00	0.00
Bell Canyon													
2,100.00	2.00	327.50	2,099.98	1.47	-0.94	407,957.12	562,259.78	32.1215352	-104.2657502	-1.47	2.00	2.00	0.00
2,200.00	4.00	327.50	2,199.84	5.89	-3.75	407,961.54	562,256.97	32.1215473	-104.2657593	-5.86	2.00	2.00	0.00
2,286.12	5.72	327.50	2,285.64	12.04	-7.67	407,967.69	562,253.05	32.1215642	-104.2657719	-11.99	2.00	2.00	0.00
Start hold at 2286.12 MD													
2,300.00	5.72	327.50	2,299.46	13.21	-8.41	407,968.86	562,252.31	32.1215674	-104.2657743	-13.15	0.00	0.00	0.00
2,400.00	5.72	327.50	2,398.96	21.62	-13.77	407,977.27	562,246.95	32.1215906	-104.2657916	-21.53	0.00	0.00	0.00
2,500.00	5.72	327.50	2,498.46	30.03	-19.13	407,985.68	562,241.59	32.1216137	-104.2658089	-29.91	0.00	0.00	0.00
2,600.00	5.72	327.50	2,597.96	38.44	-24.49	407,994.09	562,236.23	32.1216368	-104.2658262	-38.28	0.00	0.00	0.00
2,694.71	5.72	327.50	2,692.19	46.40	-29.56	408,002.05	562,231.16	32.1216587	-104.2658426	-46.21	0.00	0.00	0.00
Cherry Canyon													
2,700.00	5.72	327.50	2,697.46	46.84	-29.84	408,002.49	562,230.88	32.1216599	-104.2658435	-46.66	0.00	0.00	0.00
2,800.00	5.72	327.50	2,796.96	55.25	-35.20	408,010.90	562,225.52	32.1216831	-104.2658608	-55.03	0.00	0.00	0.00
2,900.00	5.72	327.50	2,896.47	63.66	-40.56	408,019.31	562,220.16	32.1217062	-104.2658781	-63.41	0.00	0.00	0.00
3,000.00	5.72	327.50	2,995.97	72.07	-45.92	408,027.72	562,214.80	32.1217293	-104.2658953	-71.78	0.00	0.00	0.00
3,100.00	5.72	327.50	3,095.47	80.48	-51.27	408,036.13	562,209.45	32.1217525	-104.2659126	-80.16	0.00	0.00	0.00
3,200.00	5.72	327.50	3,194.97	88.89	-56.63	408,044.54	562,204.09	32.1217756	-104.2659299	-88.53	0.00	0.00	0.00
3,300.00	5.72	327.50	3,294.47	97.30	-61.99	408,052.95	562,198.73	32.1217987	-104.2659472	-96.91	0.00	0.00	0.00
3,400.00	5.72	327.50	3,393.97	105.71	-67.35	408,061.36	562,193.37	32.1218218	-104.2659645	-105.28	0.00	0.00	0.00
3,500.00	5.72	327.50	3,493.48	114.12	-72.70	408,069.77	562,188.02	32.1218450	-104.2659818	-113.66	0.00	0.00	0.00
3,600.00	5.72	327.50	3,592.98	122.53	-78.06	408,078.18	562,182.66	32.1218681	-104.2659991	-122.04	0.00	0.00	0.00
3,700.00	5.72	327.50	3,692.48	130.94	-83.42	408,086.59	562,177.30	32.1218912	-104.2660164	-130.41	0.00	0.00	0.00
3,800.00	5.72	327.50	3,791.98	139.35	-88.78	408,095.00	562,171.94	32.1219143	-104.2660336	-138.79	0.00	0.00	0.00
3,811.12	5.72	327.50	3,803.04	140.28	-89.37	408,095.93	562,171.35	32.1219169	-104.2660356	-139.72	0.00	0.00	0.00
Brushy Canyon													
3,900.00	5.72	327.50	3,891.48	147.76	-94.13	408,103.41	562,166.59	32.1219375	-104.2660509	-147.16	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,000.00	5.72	327.50	3,990.98	156.17	-99.49	408,111.82	562,161.23	32.1219606	-104.2660682	-155.54	0.00	0.00	0.00
4,100.00	5.72	327.50	4,090.49	164.57	-104.85	408,120.22	562,155.87	32.1219837	-104.2660855	-163.91	0.00	0.00	0.00
4,200.00	5.72	327.50	4,189.99	172.98	-110.21	408,128.63	562,150.51	32.1220068	-104.2661028	-172.29	0.00	0.00	0.00
4,300.00	5.72	327.50	4,289.49	181.39	-115.56	408,137.04	562,145.16	32.1220300	-104.2661201	-180.66	0.00	0.00	0.00
4,400.00	5.72	327.50	4,388.99	189.80	-120.92	408,145.45	562,139.80	32.1220531	-104.2661374	-189.04	0.00	0.00	0.00
4,500.00	5.72	327.50	4,488.49	198.21	-126.28	408,153.86	562,134.44	32.1220762	-104.2661547	-197.41	0.00	0.00	0.00
4,600.00	5.72	327.50	4,587.99	206.62	-131.64	408,162.27	562,129.08	32.1220993	-104.2661720	-205.79	0.00	0.00	0.00
4,700.00	5.72	327.50	4,687.50	215.03	-136.99	408,170.68	562,123.73	32.1221225	-104.2661892	-214.16	0.00	0.00	0.00
4,800.00	5.72	327.50	4,787.00	223.44	-142.35	408,179.09	562,118.37	32.1221456	-104.2662065	-222.54	0.00	0.00	0.00
4,900.00	5.72	327.50	4,886.50	231.85	-147.71	408,187.50	562,113.01	32.1221687	-104.2662238	-230.92	0.00	0.00	0.00
5,000.00	5.72	327.50	4,986.00	240.26	-153.07	408,195.91	562,107.65	32.1221918	-104.2662411	-239.29	0.00	0.00	0.00
5,100.00	5.72	327.50	5,085.50	248.67	-158.42	408,204.32	562,102.30	32.1222150	-104.2662584	-247.67	0.00	0.00	0.00
5,200.00	5.72	327.50	5,185.00	257.08	-163.78	408,212.73	562,096.94	32.1222381	-104.2662757	-256.04	0.00	0.00	0.00
5,300.00	5.72	327.50	5,284.51	265.49	-169.14	408,221.14	562,091.58	32.1222612	-104.2662930	-264.42	0.00	0.00	0.00
5,400.00	5.72	327.50	5,384.01	273.89	-174.50	408,229.54	562,086.22	32.1222843	-104.2663103	-272.79	0.00	0.00	0.00
5,430.50	5.72	327.50	5,414.36	276.46	-176.13	408,232.11	562,084.59	32.1222914	-104.2663155	-275.35	0.00	0.00	0.00
Start Drop -2.00													
5,500.00	4.33	327.50	5,483.59	281.60	-179.40	408,237.25	562,081.32	32.1223055	-104.2663261	-280.46	2.00	-2.00	0.00
5,502.50	4.28	327.50	5,486.08	281.75	-179.50	408,237.40	562,081.22	32.1223060	-104.2663264	-280.62	2.00	-2.00	0.00
Bone Spring Lime													
5,600.00	2.33	327.50	5,583.41	286.50	-182.52	408,242.15	562,078.20	32.1223190	-104.2663362	-285.35	2.00	-2.00	0.00
5,652.50	1.28	327.50	5,635.88	287.89	-183.41	408,243.54	562,077.31	32.1223228	-104.2663391	-286.74	2.00	-2.00	0.00
Leonard Shale													
5,700.00	0.33	327.50	5,683.38	288.46	-183.77	408,244.11	562,076.95	32.1223244	-104.2663402	-287.30	2.00	-2.00	0.00
5,716.62	0.00	0.00	5,700.00	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	2.00	-2.00	0.00
Start hold at 5716.62 MD													
5,800.00	0.00	0.00	5,783.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
5,900.00	0.00	0.00	5,883.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,000.00	0.00	0.00	5,983.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,100.00	0.00	0.00	6,083.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,200.00	0.00	0.00	6,183.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,300.00	0.00	0.00	6,283.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,388.14	0.00	0.00	6,371.52	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
1st Bone Spring Sand													
6,400.00	0.00	0.00	6,383.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,500.00	0.00	0.00	6,483.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,558.79	0.00	0.00	6,542.17	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
2nd Bone Spring Shale													

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,600.00	0.00	0.00	6,583.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,700.00	0.00	0.00	6,683.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,800.00	0.00	0.00	6,783.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,900.00	0.00	0.00	6,883.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
6,924.01	0.00	0.00	6,907.39	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
2nd Bone Spring Sand													
7,000.00	0.00	0.00	6,983.38	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
7,093.14	0.00	0.00	7,076.52	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
KOP - Start 10.00°/100' DLS													
7,093.32	0.00	189.70	7,076.70	288.50	-183.80	408,244.15	562,076.92	32.1223245	-104.2663403	-287.34	0.00	0.00	0.00
FTP (Pintail 23-26-35 FC 17H) 100FNL & 1600FWL													
7,100.00	0.69	189.70	7,083.38	288.46	-183.81	408,244.11	562,076.91	32.1223244	-104.2663403	-287.30	10.26	10.26	0.00
7,150.00	5.69	189.70	7,133.29	285.72	-184.27	408,241.37	562,076.45	32.1223169	-104.2663418	-284.56	10.00	10.00	0.00
7,200.00	10.69	189.70	7,182.76	278.71	-185.47	408,234.36	562,075.25	32.1222976	-104.2663457	-277.54	10.00	10.00	0.00
7,250.00	15.69	189.70	7,231.43	267.47	-187.40	408,223.12	562,073.32	32.1222667	-104.2663520	-266.28	10.00	10.00	0.00
7,285.02	19.19	189.70	7,264.83	257.13	-189.16	408,212.78	562,071.56	32.1222383	-104.2663577	-255.93	10.00	10.00	0.00
3rd Bone Spring Carb													
7,300.00	20.69	189.70	7,278.91	252.09	-190.02	408,207.74	562,070.70	32.1222244	-104.2663605	-250.89	10.00	10.00	0.00
7,350.00	25.69	189.70	7,324.86	232.69	-193.34	408,188.34	562,067.38	32.1221711	-104.2663712	-231.47	10.00	10.00	0.00
7,400.00	30.69	189.70	7,368.92	209.42	-197.32	408,165.07	562,063.40	32.1221071	-104.2663841	-208.18	10.00	10.00	0.00
7,450.00	35.69	189.70	7,410.75	182.45	-201.93	408,138.10	562,058.79	32.1220330	-104.2663991	-181.18	10.00	10.00	0.00
7,500.00	40.69	189.70	7,450.04	151.99	-207.13	408,107.64	562,053.59	32.1219493	-104.2664159	-150.69	10.00	10.00	0.00
7,550.00	45.69	189.70	7,486.48	118.27	-212.90	408,073.92	562,047.82	32.1218566	-104.2664346	-116.93	10.00	10.00	0.00
7,600.00	50.69	189.70	7,519.81	81.55	-219.17	408,037.20	562,041.55	32.1217557	-104.2664550	-80.17	10.00	10.00	0.00
7,650.00	55.69	189.70	7,549.76	42.11	-225.92	407,997.76	562,034.80	32.1216473	-104.2664768	-40.69	10.00	10.00	0.00
7,700.00	60.69	189.70	7,576.11	0.24	-233.07	407,955.89	562,027.65	32.1215322	-104.2665000	1.22	10.00	10.00	0.00
7,750.00	65.69	189.70	7,598.66	-43.73	-240.59	407,911.92	562,020.13	32.1214113	-104.2665244	45.24	10.00	10.00	0.00
7,800.00	70.69	189.70	7,617.23	-89.47	-248.41	407,866.18	562,012.31	32.1212856	-104.2665498	91.03	10.00	10.00	0.00
7,843.14	75.00	189.70	7,629.95	-130.09	-255.35	407,825.56	562,005.37	32.1211739	-104.2665723	131.70	10.00	10.00	0.00
75° Inc - 7843.14' MD/7629.95' TVD													
7,874.44	76.57	189.70	7,637.64	-160.00	-260.46	407,795.65	562,000.26	32.1210917	-104.2665888	161.64	5.00	5.00	0.00
Target													
7,900.00	77.84	189.70	7,643.30	-184.57	-264.66	407,771.08	561,996.06	32.1210242	-104.2666024	186.23	5.00	5.00	0.00
8,000.00	82.84	189.70	7,660.07	-281.71	-281.27	407,673.94	561,979.45	32.1207572	-104.2666563	283.47	5.00	5.00	0.00
8,100.00	87.84	189.70	7,668.19	-379.93	-298.06	407,575.72	561,962.66	32.1204872	-104.2667107	381.79	5.00	5.00	0.00
8,143.94	90.04	189.70	7,669.00	-423.23	-305.46	407,532.42	561,955.26	32.1203682	-104.2667347	425.14	5.00	5.00	0.00
LP - 8143.94' MD													
8,200.00	90.04	188.58	7,668.96	-478.57	-314.36	407,477.08	561,946.36	32.1202161	-104.2667636	480.54	2.00	0.00	-2.00
8,300.00	90.04	186.58	7,668.89	-577.70	-327.55	407,377.95	561,933.17	32.1199436	-104.2668064	579.74	2.00	0.00	-2.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,400.00	90.04	184.58	7,668.82	-677.22	-337.27	407,278.43	561,923.45	32.1196701	-104.2668380	679.32	2.00	0.00	-2.00
8,500.00	90.04	182.58	7,668.76	-777.02	-343.51	407,178.63	561,917.21	32.1193957	-104.2668583	779.16	2.00	0.00	-2.00
8,600.00	90.04	180.58	7,668.69	-876.97	-346.27	407,078.68	561,914.45	32.1191210	-104.2668674	879.13	2.00	0.00	-2.00
8,610.87	90.04	180.36	7,668.68	-887.84	-346.36	407,067.81	561,914.36	32.1190911	-104.2668677	890.00	2.00	0.00	-2.00
Start hold at 8610.87 MD													
8,700.00	90.04	180.36	7,668.62	-976.97	-346.92	406,978.68	561,913.80	32.1188461	-104.2668697	979.13	0.00	0.00	0.00
8,800.00	90.04	180.36	7,668.55	-1,076.97	-347.55	406,878.68	561,913.17	32.1185712	-104.2668720	1,079.13	0.00	0.00	0.00
8,900.00	90.04	180.36	7,668.49	-1,176.97	-348.18	406,778.68	561,912.54	32.1182963	-104.2668742	1,179.13	0.00	0.00	0.00
9,000.00	90.04	180.36	7,668.42	-1,276.97	-348.81	406,678.68	561,911.91	32.1180214	-104.2668764	1,279.13	0.00	0.00	0.00
9,100.00	90.04	180.36	7,668.35	-1,376.96	-349.44	406,578.69	561,911.28	32.1177465	-104.2668787	1,379.13	0.00	0.00	0.00
9,200.00	90.04	180.36	7,668.29	-1,476.96	-350.07	406,478.69	561,910.65	32.1174716	-104.2668809	1,479.13	0.00	0.00	0.00
9,300.00	90.04	180.36	7,668.22	-1,576.96	-350.71	406,378.69	561,910.01	32.1171967	-104.2668832	1,579.13	0.00	0.00	0.00
9,400.00	90.04	180.36	7,668.15	-1,676.96	-351.34	406,278.69	561,909.38	32.1169218	-104.2668854	1,679.13	0.00	0.00	0.00
9,500.00	90.04	180.36	7,668.09	-1,776.96	-351.97	406,178.69	561,908.75	32.1166470	-104.2668876	1,779.13	0.00	0.00	0.00
9,600.00	90.04	180.36	7,668.02	-1,876.95	-352.60	406,078.70	561,908.12	32.1163721	-104.2668899	1,879.13	0.00	0.00	0.00
9,700.00	90.04	180.36	7,667.95	-1,976.95	-353.23	405,978.70	561,907.49	32.1160972	-104.2668921	1,979.13	0.00	0.00	0.00
9,800.00	90.04	180.36	7,667.89	-2,076.95	-353.86	405,878.70	561,906.86	32.1158223	-104.2668943	2,079.13	0.00	0.00	0.00
9,900.00	90.04	180.36	7,667.82	-2,176.95	-354.49	405,778.70	561,906.23	32.1155474	-104.2668966	2,179.13	0.00	0.00	0.00
10,000.00	90.04	180.36	7,667.75	-2,276.95	-355.12	405,678.70	561,905.60	32.1152725	-104.2668988	2,279.13	0.00	0.00	0.00
10,100.00	90.04	180.36	7,667.69	-2,376.94	-355.75	405,578.71	561,904.97	32.1149976	-104.2669010	2,379.13	0.00	0.00	0.00
10,200.00	90.04	180.36	7,667.62	-2,476.94	-356.38	405,478.71	561,904.34	32.1147227	-104.2669033	2,479.13	0.00	0.00	0.00
10,300.00	90.04	180.36	7,667.55	-2,576.94	-357.01	405,378.71	561,903.71	32.1144479	-104.2669055	2,579.13	0.00	0.00	0.00
10,400.00	90.04	180.36	7,667.48	-2,676.94	-357.65	405,278.71	561,903.07	32.1141730	-104.2669078	2,679.13	0.00	0.00	0.00
10,500.00	90.04	180.36	7,667.42	-2,776.94	-358.28	405,178.71	561,902.44	32.1138981	-104.2669100	2,779.13	0.00	0.00	0.00
10,600.00	90.04	180.36	7,667.35	-2,876.93	-358.91	405,078.72	561,901.81	32.1136232	-104.2669122	2,879.13	0.00	0.00	0.00
10,700.00	90.04	180.36	7,667.28	-2,976.93	-359.54	404,978.72	561,901.18	32.1133483	-104.2669145	2,979.13	0.00	0.00	0.00
10,800.00	90.04	180.36	7,667.22	-3,076.93	-360.17	404,878.72	561,900.55	32.1130734	-104.2669167	3,079.13	0.00	0.00	0.00
10,900.00	90.04	180.36	7,667.15	-3,176.93	-360.80	404,778.72	561,899.92	32.1127985	-104.2669189	3,179.13	0.00	0.00	0.00
11,000.00	90.04	180.36	7,667.08	-3,276.93	-361.43	404,678.72	561,899.29	32.1125236	-104.2669212	3,279.13	0.00	0.00	0.00
11,100.00	90.04	180.36	7,667.02	-3,376.92	-362.06	404,578.73	561,898.66	32.1122487	-104.2669234	3,379.13	0.00	0.00	0.00
11,200.00	90.04	180.36	7,666.95	-3,476.92	-362.69	404,478.73	561,898.03	32.1119739	-104.2669257	3,479.13	0.00	0.00	0.00
11,300.00	90.04	180.36	7,666.88	-3,576.92	-363.32	404,378.73	561,897.40	32.1116990	-104.2669279	3,579.13	0.00	0.00	0.00
11,400.00	90.04	180.36	7,666.82	-3,676.92	-363.95	404,278.73	561,896.77	32.1114241	-104.2669301	3,679.13	0.00	0.00	0.00
11,500.00	90.04	180.36	7,666.75	-3,776.92	-364.59	404,178.73	561,896.13	32.1111492	-104.2669324	3,779.13	0.00	0.00	0.00
11,600.00	90.04	180.36	7,666.68	-3,876.91	-365.22	404,078.74	561,895.50	32.1108743	-104.2669346	3,879.13	0.00	0.00	0.00
11,700.00	90.04	180.36	7,666.62	-3,976.91	-365.85	403,978.74	561,894.87	32.1105994	-104.2669368	3,979.13	0.00	0.00	0.00
11,800.00	90.04	180.36	7,666.55	-4,076.91	-366.48	403,878.74	561,894.24	32.1103245	-104.2669391	4,079.13	0.00	0.00	0.00
11,900.00	90.04	180.36	7,666.48	-4,176.91	-367.11	403,778.74	561,893.61	32.1100496	-104.2669413	4,179.13	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,000.00	90.04	180.36	7,666.41	-4,276.91	-367.74	403,678.74	561,892.98	32.1097747	-104.2669435	4,279.13	0.00	0.00	0.00
12,057.20	90.04	180.36	7,666.38	-4,334.10	-368.10	403,621.55	561,892.62	32.1096175	-104.2669448	4,336.33	0.00	0.00	0.00
Start DLS 2.00 TFO -89.98													
12,100.00	90.04	179.51	7,666.35	-4,376.90	-368.05	403,578.75	561,892.67	32.1094999	-104.2669448	4,379.13	2.00	0.00	-2.00
12,200.00	90.04	177.51	7,666.28	-4,476.86	-365.44	403,478.79	561,895.28	32.1092251	-104.2669365	4,479.07	2.00	0.00	-2.00
12,307.27	90.04	175.36	7,666.21	-4,583.92	-358.77	403,371.73	561,901.95	32.1089308	-104.2669152	4,586.09	2.00	0.00	-2.00
Start hold at 12307.27 MD													
12,400.00	90.04	175.36	7,666.14	-4,676.35	-351.27	403,279.30	561,909.45	32.1086767	-104.2668911	4,678.46	0.00	0.00	0.00
12,500.00	90.04	175.36	7,666.07	-4,776.02	-343.18	403,179.63	561,917.54	32.1084027	-104.2668652	4,778.08	0.00	0.00	0.00
12,600.00	90.04	175.36	7,666.00	-4,875.69	-335.09	403,079.96	561,925.63	32.1081287	-104.2668393	4,877.70	0.00	0.00	0.00
12,700.00	90.04	175.36	7,665.93	-4,975.36	-327.00	402,980.29	561,933.72	32.1078546	-104.2668134	4,977.32	0.00	0.00	0.00
12,757.27	90.04	175.36	7,665.89	-5,032.45	-322.37	402,923.20	561,938.35	32.1076977	-104.2667985	5,034.37	0.00	0.00	0.00
Start Turn 2.00													
12,800.00	90.04	176.21	7,665.86	-5,075.06	-319.23	402,880.59	561,941.49	32.1075806	-104.2667885	5,076.97	2.00	0.00	2.00
12,900.00	90.04	178.21	7,665.79	-5,174.94	-314.37	402,780.71	561,946.35	32.1073060	-104.2667730	5,176.81	2.00	0.00	2.00
13,000.00	90.04	180.21	7,665.72	-5,274.92	-313.00	402,680.73	561,947.72	32.1070311	-104.2667687	5,276.78	2.00	0.00	2.00
13,100.00	90.04	182.21	7,665.65	-5,374.89	-315.12	402,580.76	561,945.60	32.1067563	-104.2667758	5,376.77	2.00	0.00	2.00
13,200.00	90.04	184.21	7,665.58	-5,474.73	-320.72	402,480.92	561,940.00	32.1064819	-104.2667941	5,476.64	2.00	0.00	2.00
13,257.27	90.04	185.36	7,665.54	-5,531.80	-325.50	402,423.85	561,935.22	32.1063250	-104.2668096	5,533.74	2.00	0.00	2.00
Start hold at 13257.27 MD													
13,300.00	90.04	185.36	7,665.51	-5,574.34	-329.49	402,381.31	561,931.23	32.1062081	-104.2668226	5,576.30	0.00	0.00	0.00
13,400.00	90.04	185.36	7,665.44	-5,673.91	-338.84	402,281.74	561,921.88	32.1059344	-104.2668530	5,675.92	0.00	0.00	0.00
13,500.00	90.04	185.36	7,665.37	-5,773.47	-348.18	402,182.18	561,912.54	32.1056607	-104.2668833	5,775.54	0.00	0.00	0.00
13,600.00	90.04	185.36	7,665.30	-5,873.03	-357.52	402,082.62	561,903.20	32.1053870	-104.2669137	5,875.16	0.00	0.00	0.00
13,707.27	90.04	185.36	7,665.23	-5,979.84	-367.54	401,975.81	561,893.18	32.1050935	-104.2669463	5,982.03	0.00	0.00	0.00
Start DLS 2.00 TFO -90.02													
13,800.00	90.04	183.51	7,665.16	-6,072.28	-374.71	401,883.37	561,886.01	32.1048393	-104.2669696	6,074.52	2.00	0.00	-2.00
13,900.00	90.04	181.51	7,665.09	-6,172.18	-379.08	401,783.47	561,881.64	32.1045647	-104.2669839	6,174.44	2.00	0.00	-2.00
13,957.18	90.04	180.36	7,665.06	-6,229.36	-380.01	401,726.30	561,880.71	32.1044076	-104.2669871	6,231.62	2.00	0.00	-2.00
Start hold at 13957.18 MD													
14,000.00	90.04	180.36	7,665.03	-6,272.17	-380.28	401,683.48	561,880.44	32.1042899	-104.2669880	6,274.44	0.00	0.00	0.00
14,100.00	90.04	180.36	7,664.96	-6,372.17	-380.91	401,583.48	561,879.81	32.1040150	-104.2669903	6,374.44	0.00	0.00	0.00
14,200.00	90.04	180.36	7,664.90	-6,472.17	-381.54	401,483.48	561,879.18	32.1037401	-104.2669925	6,474.44	0.00	0.00	0.00
14,300.00	90.04	180.36	7,664.83	-6,572.17	-382.17	401,383.48	561,878.55	32.1034652	-104.2669947	6,574.44	0.00	0.00	0.00
14,400.00	90.04	180.36	7,664.76	-6,672.16	-382.81	401,283.49	561,877.91	32.1031903	-104.2669970	6,674.44	0.00	0.00	0.00
14,500.00	90.04	180.36	7,664.70	-6,772.16	-383.44	401,183.49	561,877.28	32.1029154	-104.2669992	6,774.44	0.00	0.00	0.00
14,600.00	90.04	180.36	7,664.63	-6,872.16	-384.07	401,083.49	561,876.65	32.1026405	-104.2670014	6,874.44	0.00	0.00	0.00
14,700.00	90.04	180.36	7,664.56	-6,972.16	-384.70	400,983.49	561,876.02	32.1023656	-104.2670037	6,974.44	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,800.00	90.04	180.36	7,664.50	-7,072.16	-385.33	400,883.49	561,875.39	32.1020908	-104.2670059	7,074.44	0.00	0.00	0.00
14,900.00	90.04	180.36	7,664.43	-7,172.15	-385.96	400,783.50	561,874.76	32.1018159	-104.2670082	7,174.44	0.00	0.00	0.00
15,000.00	90.04	180.36	7,664.37	-7,272.15	-386.59	400,683.50	561,874.13	32.1015410	-104.2670104	7,274.44	0.00	0.00	0.00
15,100.00	90.04	180.36	7,664.30	-7,372.15	-387.23	400,583.50	561,873.49	32.1012661	-104.2670126	7,374.44	0.00	0.00	0.00
15,200.00	90.04	180.36	7,664.23	-7,472.15	-387.86	400,483.50	561,872.86	32.1009912	-104.2670149	7,474.44	0.00	0.00	0.00
15,300.00	90.04	180.36	7,664.17	-7,572.15	-388.49	400,383.50	561,872.23	32.1007163	-104.2670171	7,574.44	0.00	0.00	0.00
15,400.00	90.04	180.36	7,664.10	-7,672.14	-389.12	400,283.51	561,871.60	32.1004414	-104.2670193	7,674.44	0.00	0.00	0.00
15,500.00	90.04	180.36	7,664.03	-7,772.14	-389.75	400,183.51	561,870.97	32.1001665	-104.2670216	7,774.44	0.00	0.00	0.00
15,600.00	90.04	180.36	7,663.97	-7,872.14	-390.38	400,083.51	561,870.34	32.0998916	-104.2670238	7,874.44	0.00	0.00	0.00
15,700.00	90.04	180.36	7,663.90	-7,972.14	-391.01	399,983.51	561,869.71	32.0996167	-104.2670261	7,974.44	0.00	0.00	0.00
15,800.00	90.04	180.36	7,663.83	-8,072.14	-391.65	399,883.51	561,869.07	32.0993419	-104.2670283	8,074.44	0.00	0.00	0.00
15,900.00	90.04	180.36	7,663.77	-8,172.13	-392.28	399,783.52	561,868.44	32.0990670	-104.2670305	8,174.44	0.00	0.00	0.00
16,000.00	90.04	180.36	7,663.70	-8,272.13	-392.91	399,683.52	561,867.81	32.0987921	-104.2670328	8,274.44	0.00	0.00	0.00
16,100.00	90.04	180.36	7,663.64	-8,372.13	-393.54	399,583.52	561,867.18	32.0985172	-104.2670350	8,374.44	0.00	0.00	0.00
16,200.00	90.04	180.36	7,663.57	-8,472.13	-394.17	399,483.52	561,866.55	32.0982423	-104.2670372	8,474.44	0.00	0.00	0.00
16,300.00	90.04	180.36	7,663.50	-8,572.13	-394.80	399,383.52	561,865.92	32.0979674	-104.2670395	8,574.44	0.00	0.00	0.00
16,400.00	90.04	180.36	7,663.44	-8,672.12	-395.43	399,283.53	561,865.29	32.0976925	-104.2670417	8,674.44	0.00	0.00	0.00
16,500.00	90.04	180.36	7,663.37	-8,772.12	-396.07	399,183.53	561,864.65	32.0974176	-104.2670440	8,774.44	0.00	0.00	0.00
16,600.00	90.04	180.36	7,663.30	-8,872.12	-396.70	399,083.53	561,864.02	32.0971427	-104.2670462	8,874.44	0.00	0.00	0.00
16,700.00	90.04	180.36	7,663.24	-8,972.12	-397.33	398,983.53	561,863.39	32.0968679	-104.2670484	8,974.44	0.00	0.00	0.00
16,800.00	90.04	180.36	7,663.17	-9,072.12	-397.96	398,883.53	561,862.76	32.0965930	-104.2670507	9,074.44	0.00	0.00	0.00
16,900.00	90.04	180.36	7,663.11	-9,172.11	-398.59	398,783.54	561,862.13	32.0963181	-104.2670529	9,174.44	0.00	0.00	0.00
17,000.00	90.04	180.36	7,663.04	-9,272.11	-399.22	398,683.54	561,861.50	32.0960432	-104.2670551	9,274.44	0.00	0.00	0.00
17,100.00	90.04	180.36	7,662.97	-9,372.11	-399.85	398,583.54	561,860.87	32.0957683	-104.2670574	9,374.44	0.00	0.00	0.00
17,200.00	90.04	180.36	7,662.91	-9,472.11	-400.49	398,483.54	561,860.23	32.0954934	-104.2670596	9,474.44	0.00	0.00	0.00
17,300.00	90.04	180.36	7,662.84	-9,572.11	-401.12	398,383.54	561,859.60	32.0952185	-104.2670619	9,574.44	0.00	0.00	0.00
17,400.00	90.04	180.36	7,662.77	-9,672.10	-401.75	398,283.55	561,858.97	32.0949436	-104.2670641	9,674.44	0.00	0.00	0.00
17,500.00	90.04	180.36	7,662.71	-9,772.10	-402.38	398,183.55	561,858.34	32.0946687	-104.2670663	9,774.44	0.00	0.00	0.00
17,600.00	90.04	180.36	7,662.64	-9,872.10	-403.01	398,083.55	561,857.71	32.0943938	-104.2670686	9,874.44	0.00	0.00	0.00
17,700.00	90.04	180.36	7,662.58	-9,972.10	-403.64	397,983.55	561,857.08	32.0941190	-104.2670708	9,974.44	0.00	0.00	0.00
17,800.00	90.04	180.36	7,662.51	-10,072.10	-404.27	397,883.55	561,856.45	32.0938441	-104.2670730	10,074.44	0.00	0.00	0.00
17,900.00	90.04	180.36	7,662.44	-10,172.09	-404.91	397,783.56	561,855.81	32.0935692	-104.2670753	10,174.44	0.00	0.00	0.00
18,000.00	90.04	180.36	7,662.38	-10,272.09	-405.54	397,683.56	561,855.18	32.0932943	-104.2670775	10,274.44	0.00	0.00	0.00
18,100.00	90.04	180.36	7,662.31	-10,372.09	-406.17	397,583.56	561,854.55	32.0930194	-104.2670798	10,374.44	0.00	0.00	0.00
18,200.00	90.04	180.36	7,662.24	-10,472.09	-406.80	397,483.56	561,853.92	32.0927445	-104.2670820	10,474.44	0.00	0.00	0.00
18,300.00	90.04	180.36	7,662.18	-10,572.09	-407.43	397,383.56	561,853.29	32.0924696	-104.2670842	10,574.44	0.00	0.00	0.00
18,400.00	90.04	180.36	7,662.11	-10,672.08	-408.06	397,283.57	561,852.66	32.0921947	-104.2670865	10,674.44	0.00	0.00	0.00
18,500.00	90.04	180.36	7,662.04	-10,772.08	-408.69	397,183.57	561,852.03	32.0919198	-104.2670887	10,774.44	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Map Coordinates Northing (usft)	Easting (usft)	Geo Coordinates Latitude (°)	Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,600.00	90.04	180.36	7,661.98	-10,872.08	-409.33	397,083.57	561,851.39	32.0916450	-104.2670909	10,874.44	0.00	0.00	0.00
18,700.00	90.04	180.36	7,661.91	-10,972.08	-409.96	396,983.57	561,850.76	32.0913701	-104.2670932	10,974.44	0.00	0.00	0.00
18,800.00	90.04	180.36	7,661.85	-11,072.08	-410.59	396,883.57	561,850.13	32.0910952	-104.2670954	11,074.44	0.00	0.00	0.00
18,900.00	90.04	180.36	7,661.78	-11,172.07	-411.22	396,783.58	561,849.50	32.0908203	-104.2670977	11,174.44	0.00	0.00	0.00
19,000.00	90.04	180.36	7,661.71	-11,272.07	-411.85	396,683.58	561,848.87	32.0905454	-104.2670999	11,274.44	0.00	0.00	0.00
19,100.00	90.04	180.36	7,661.65	-11,372.07	-412.48	396,583.58	561,848.24	32.0902705	-104.2671021	11,374.44	0.00	0.00	0.00
19,200.00	90.04	180.36	7,661.58	-11,472.07	-413.11	396,483.58	561,847.61	32.0899956	-104.2671044	11,474.44	0.00	0.00	0.00
19,300.00	90.04	180.36	7,661.51	-11,572.07	-413.75	396,383.58	561,846.97	32.0897207	-104.2671066	11,574.44	0.00	0.00	0.00
19,400.00	90.04	180.36	7,661.45	-11,672.06	-414.38	396,283.59	561,846.34	32.0894458	-104.2671088	11,674.44	0.00	0.00	0.00
19,500.00	90.04	180.36	7,661.38	-11,772.06	-415.01	396,183.59	561,845.71	32.0891709	-104.2671111	11,774.44	0.00	0.00	0.00
19,600.00	90.04	180.36	7,661.32	-11,872.06	-415.64	396,083.59	561,845.08	32.0888961	-104.2671133	11,874.44	0.00	0.00	0.00
19,700.00	90.04	180.36	7,661.25	-11,972.06	-416.27	395,983.59	561,844.45	32.0886212	-104.2671156	11,974.44	0.00	0.00	0.00
19,800.00	90.04	180.36	7,661.18	-12,072.06	-416.90	395,883.60	561,843.82	32.0883463	-104.2671178	12,074.44	0.00	0.00	0.00
19,900.00	90.04	180.36	7,661.12	-12,172.05	-417.53	395,783.60	561,843.19	32.0880714	-104.2671200	12,174.44	0.00	0.00	0.00
20,000.00	90.04	180.36	7,661.05	-12,272.05	-418.17	395,683.60	561,842.55	32.0877965	-104.2671223	12,274.44	0.00	0.00	0.00
20,100.00	90.04	180.36	7,660.98	-12,372.05	-418.80	395,583.60	561,841.92	32.0875216	-104.2671245	12,374.44	0.00	0.00	0.00
20,200.00	90.04	180.36	7,660.92	-12,472.05	-419.43	395,483.60	561,841.29	32.0872467	-104.2671267	12,474.44	0.00	0.00	0.00
20,300.00	90.04	180.36	7,660.85	-12,572.05	-420.06	395,383.61	561,840.66	32.0869718	-104.2671290	12,574.44	0.00	0.00	0.00
20,400.00	90.04	180.36	7,660.78	-12,672.04	-420.69	395,283.61	561,840.03	32.0866969	-104.2671312	12,674.44	0.00	0.00	0.00
20,500.00	90.04	180.36	7,660.72	-12,772.04	-421.32	395,183.61	561,839.40	32.0864220	-104.2671335	12,774.44	0.00	0.00	0.00
20,600.00	90.04	180.36	7,660.65	-12,872.04	-421.95	395,083.61	561,838.77	32.0861472	-104.2671357	12,874.44	0.00	0.00	0.00
20,700.00	90.04	180.36	7,660.59	-12,972.04	-422.59	394,983.61	561,838.13	32.0858723	-104.2671379	12,974.44	0.00	0.00	0.00
20,800.00	90.04	180.36	7,660.52	-13,072.04	-423.22	394,883.62	561,837.50	32.0855974	-104.2671402	13,074.44	0.00	0.00	0.00
20,900.00	90.04	180.36	7,660.45	-13,172.03	-423.85	394,783.62	561,836.87	32.0853225	-104.2671424	13,174.44	0.00	0.00	0.00
21,000.00	90.04	180.36	7,660.39	-13,272.03	-424.48	394,683.62	561,836.24	32.0850476	-104.2671446	13,274.44	0.00	0.00	0.00
21,100.00	90.04	180.36	7,660.32	-13,372.03	-425.11	394,583.62	561,835.61	32.0847727	-104.2671469	13,374.44	0.00	0.00	0.00
21,200.00	90.04	180.36	7,660.25	-13,472.03	-425.74	394,483.62	561,834.98	32.0844978	-104.2671491	13,474.44	0.00	0.00	0.00
21,300.00	90.04	180.36	7,660.19	-13,572.03	-426.38	394,383.63	561,834.34	32.0842229	-104.2671514	13,574.44	0.00	0.00	0.00
21,400.00	90.04	180.36	7,660.12	-13,672.02	-427.01	394,283.63	561,833.71	32.0839480	-104.2671536	13,674.44	0.00	0.00	0.00
21,500.00	90.04	180.36	7,660.06	-13,772.02	-427.64	394,183.63	561,833.08	32.0836731	-104.2671558	13,774.44	0.00	0.00	0.00
21,600.00	90.04	180.36	7,659.99	-13,872.02	-428.27	394,083.63	561,832.45	32.0833983	-104.2671581	13,874.44	0.00	0.00	0.00
21,700.00	90.04	180.36	7,659.92	-13,972.02	-428.90	393,983.63	561,831.82	32.0831234	-104.2671603	13,974.44	0.00	0.00	0.00
21,800.00	90.04	180.36	7,659.86	-14,072.01	-429.53	393,883.64	561,831.19	32.0828485	-104.2671625	14,074.44	0.00	0.00	0.00
21,900.00	90.04	180.36	7,659.79	-14,172.01	-430.16	393,783.64	561,830.56	32.0825736	-104.2671648	14,174.44	0.00	0.00	0.00
22,000.00	90.04	180.36	7,659.72	-14,272.01	-430.80	393,683.64	561,829.92	32.0822987	-104.2671670	14,274.44	0.00	0.00	0.00
22,100.00	90.04	180.36	7,659.66	-14,372.01	-431.43	393,583.64	561,829.29	32.0820238	-104.2671692	14,374.44	0.00	0.00	0.00
22,200.00	90.04	180.36	7,659.59	-14,472.01	-432.06	393,483.64	561,828.66	32.0817489	-104.2671715	14,474.44	0.00	0.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22,300.00	90.04	180.36	7,659.53	-14,572.00	-432.69	393,383.65	561,828.03	32.0814740	-104.2671737	14,574.44	0.00	0.00	0.00
22,400.00	90.04	180.36	7,659.46	-14,672.00	-433.32	393,283.65	561,827.40	32.0811991	-104.2671760	14,674.44	0.00	0.00	0.00
22,500.00	90.04	180.36	7,659.39	-14,772.00	-433.95	393,183.65	561,826.77	32.0809242	-104.2671782	14,774.44	0.00	0.00	0.00
22,600.00	90.04	180.36	7,659.33	-14,872.00	-434.58	393,083.65	561,826.14	32.0806494	-104.2671804	14,874.44	0.00	0.00	0.00
22,700.00	90.04	180.36	7,659.26	-14,972.00	-435.22	392,983.65	561,825.50	32.0803745	-104.2671827	14,974.44	0.00	0.00	0.00
22,800.00	90.04	180.36	7,659.19	-15,071.99	-435.85	392,883.66	561,824.87	32.0800996	-104.2671849	15,074.44	0.00	0.00	0.00
22,900.00	90.04	180.36	7,659.13	-15,171.99	-436.48	392,783.66	561,824.24	32.0798247	-104.2671871	15,174.44	0.00	0.00	0.00
23,000.00	90.04	180.36	7,659.06	-15,271.99	-437.11	392,683.66	561,823.61	32.0795498	-104.2671894	15,274.44	0.00	0.00	0.00
23,091.89	90.04	180.36	7,659.00	-15,363.88	-437.69	392,591.77	561,823.03	32.0792972	-104.2671914	15,366.33	0.00	0.00	0.00
TD - 23091.89' MD - LTP (Pintail 23-26-35 FC 17H) 100FSL & 1600FWL													

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Pintail 23-26-35 - plan misses target center by 155.99usft at 7093.14usft MD (7076.52 TVD, 288.50 N, -183.80 E) - Point	0.00	0.00	7,076.52	285.24	-339.76	408,240.89	561,920.96	32.1223158	-104.2668441
LTP (Pintail 23-26-35 - plan hits target center - Point	0.00	0.00	7,659.00	-15,363.88	-437.69	392,591.77	561,823.03	32.0792972	-104.2671914

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
430.88	430.88	Rustler			
1,075.75	1,075.75	Top of Salt			
1,667.55	1,667.55	Base of Salt			
1,879.23	1,879.23	Anhydrite			
1,893.28	1,893.28	Lamar			
2,016.68	2,016.68	Bell Canyon			
2,694.71	2,692.19	Cherry Canyon			
3,811.12	3,803.04	Brushy Canyon			
5,502.50	5,486.08	Bone Spring Lime			
5,652.50	5,635.88	Leonard Shale			
6,388.14	6,371.52	1st Bone Spring Sand			
6,558.79	6,542.17	2nd Bone Spring Shale			
6,924.01	6,907.39	2nd Bone Spring Sand			
7,285.02	7,264.83	3rd Bone Spring Carb			
7,874.44	7,637.64	Target			

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Well:	Pintail 23-26-35 Federal Com 17H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2000	2000	0	0	Start Build 2.00
2286	2286	12	-8	Start hold at 2286.12 MD
5431	5414	276	-176	Start Drop -2.00
5717	5700	289	-184	Start hold at 5716.62 MD
7093	7077	289	-184	KOP - Start 10.00°/100' DLS
7843	7630	-130	-255	75° Inc - 7843.14' MD/7629.95' TVD
8144	7669	-423	-305	LP - 8143.94' MD
8611	7669	-888	-346	Start hold at 8610.87 MD
12,057	7666	-4334	-368	Start DLS 2.00 TFO -89.98
12,307	7666	-4584	-359	Start hold at 12307.27 MD
12,757	7666	-5032	-322	Start Turn 2.00
13,257	7666	-5532	-326	Start hold at 13257.27 MD
13,707	7665	-5980	-368	Start DLS 2.00 TFO -90.02
13,957	7665	-6229	-380	Start hold at 13957.18 MD
23,092	7659	-15,364	-438	TD - 23091.89' MD

Checked By: _____ Approved By: _____ Date: _____

COMPANY Coterra Energy
FIELD Eddy County, NM (NAD 83)
SITE Pintail 23-26-35 Federal Com
WELL Pintail 23-26-35 Federal Com 17H
WELLPATH OH
DESIGN Plan 1
DEPTHUNT (usft)

WELL INFO
MAP DATUM North American Datum 1983
MAP SYSTE US State Plane 1983
MAP ZONE New Mexico Eastern Zone
WELL LAT 32.121531
WELL LON -104.26575
WELL EW M 562260.72
WELL NS M 407955.65
CONVERGE 0.04
MAGMODEL HDGM2026
DECLINATIC 6.67
NORTH REF Grid
GROUND EL 3300.2
KB ELEVN 3323.2
VS AZI 180.36

SURVEY PROGRAM
1 0.00 - 23091.89 PLAN 1 : MWD+IFR1+MS

SURVEY LIST

Measured De MD	Inclination INC	Azimuth AZI	Course Leng CL	True Vertical TVD	SubSea TVD SSTVD	Local N/-S NS
0.00	0.00	0.00	0.00	0.00	3323.20	0.00
100.00	0.00	0.00	100.00	100.00	3223.20	0.00
200.00	0.00	0.00	100.00	200.00	3123.20	0.00
300.00	0.00	0.00	100.00	300.00	3023.20	0.00
400.00	0.00	0.00	100.00	400.00	2923.20	0.00
500.00	0.00	0.00	100.00	500.00	2823.20	0.00
600.00	0.00	0.00	100.00	600.00	2723.20	0.00
700.00	0.00	0.00	100.00	700.00	2623.20	0.00
800.00	0.00	0.00	100.00	800.00	2523.20	0.00
900.00	0.00	0.00	100.00	900.00	2423.20	0.00
1000.00	0.00	0.00	100.00	1000.00	2323.20	0.00
1100.00	0.00	0.00	100.00	1100.00	2223.20	0.00
1200.00	0.00	0.00	100.00	1200.00	2123.20	0.00
1300.00	0.00	0.00	100.00	1300.00	2023.20	0.00
1400.00	0.00	0.00	100.00	1400.00	1923.20	0.00
1500.00	0.00	0.00	100.00	1500.00	1823.20	0.00

1600.00	0.00	0.00	100.00	1600.00	1723.20	0.00
1700.00	0.00	0.00	100.00	1700.00	1623.20	0.00
1800.00	0.00	0.00	100.00	1800.00	1523.20	0.00
1900.00	0.00	0.00	100.00	1900.00	1423.20	0.00
2000.00	0.00	0.00	100.00	2000.00	1323.20	0.00
2100.00	2.00	327.50	100.00	2099.98	1223.22	1.47
2200.00	4.00	327.50	100.00	2199.84	1123.36	5.89
2286.12	5.72	327.50	86.12	2285.64	1037.56	12.04
2300.00	5.72	327.50	13.88	2299.46	1023.75	13.21
2400.00	5.72	327.50	100.00	2398.96	924.24	21.62
2500.00	5.72	327.50	100.00	2498.46	824.74	30.03
2600.00	5.72	327.50	100.00	2597.96	725.24	38.44
2700.00	5.72	327.50	100.00	2697.46	625.74	46.85
2800.00	5.72	327.50	100.00	2796.96	526.24	55.25
2900.00	5.72	327.50	100.00	2896.47	426.74	63.66
3000.00	5.72	327.50	100.00	2995.97	327.23	72.07
3100.00	5.72	327.50	100.00	3095.47	227.73	80.48
3200.00	5.72	327.50	100.00	3194.97	128.23	88.89
3300.00	5.72	327.50	100.00	3294.47	28.73	97.30
3400.00	5.72	327.50	100.00	3393.97	-70.77	105.71
3500.00	5.72	327.50	100.00	3493.48	-170.28	114.12
3600.00	5.72	327.50	100.00	3592.98	-269.78	122.53
3700.00	5.72	327.50	100.00	3692.48	-369.28	130.94
3800.00	5.72	327.50	100.00	3791.98	-468.78	139.35
3900.00	5.72	327.50	100.00	3891.48	-568.28	147.76
4000.00	5.72	327.50	100.00	3990.98	-667.78	156.17
4100.00	5.72	327.50	100.00	4090.49	-767.29	164.57
4200.00	5.72	327.50	100.00	4189.99	-866.79	172.98
4300.00	5.72	327.50	100.00	4289.49	-966.29	181.39
4400.00	5.72	327.50	100.00	4388.99	-1065.79	189.80
4500.00	5.72	327.50	100.00	4488.49	-1165.29	198.21
4600.00	5.72	327.50	100.00	4587.99	-1264.79	206.62
4700.00	5.72	327.50	100.00	4687.50	-1364.30	215.03
4800.00	5.72	327.50	100.00	4787.00	-1463.80	223.44
4900.00	5.72	327.50	100.00	4886.50	-1563.30	231.85
5000.00	5.72	327.50	100.00	4986.00	-1662.80	240.26
5100.00	5.72	327.50	100.00	5085.50	-1762.30	248.67
5200.00	5.72	327.50	100.00	5185.00	-1861.80	257.08
5300.00	5.72	327.50	100.00	5284.51	-1961.31	265.49
5400.00	5.72	327.50	100.00	5384.01	-2060.81	273.90
5430.50	5.72	327.50	30.50	5414.36	-2091.16	276.46
5500.00	4.33	327.50	69.50	5483.59	-2160.39	281.60
5600.00	2.33	327.50	100.00	5583.41	-2260.21	286.50
5700.00	0.33	327.50	100.00	5683.38	-2360.18	288.46
5716.62	0.00	0.00	16.62	5700.00	-2376.80	288.50
5800.00	0.00	0.00	83.38	5783.38	-2460.18	288.50

5900.00	0.00	0.00	100.00	5883.38	-2560.18	288.50
6000.00	0.00	0.00	100.00	5983.38	-2660.18	288.50
6100.00	0.00	0.00	100.00	6083.38	-2760.18	288.50
6200.00	0.00	0.00	100.00	6183.38	-2860.18	288.50
6300.00	0.00	0.00	100.00	6283.38	-2960.18	288.50
6400.00	0.00	0.00	100.00	6383.38	-3060.18	288.50
6500.00	0.00	0.00	100.00	6483.38	-3160.18	288.50
6600.00	0.00	0.00	100.00	6583.38	-3260.18	288.50
6700.00	0.00	0.00	100.00	6683.38	-3360.18	288.50
6800.00	0.00	0.00	100.00	6783.38	-3460.18	288.50
6900.00	0.00	0.00	100.00	6883.38	-3560.18	288.50
7000.00	0.00	0.00	100.00	6983.38	-3660.18	288.50
7093.14	0.00	0.00	93.14	7076.52	-3753.32	288.50
7100.00	0.69	189.70	6.86	7083.38	-3760.18	288.46
7150.00	5.69	189.70	50.00	7133.29	-3810.09	285.72
7200.00	10.69	189.70	50.00	7182.76	-3859.56	278.71
7250.00	15.69	189.70	50.00	7231.43	-3908.23	267.47
7300.00	20.69	189.70	50.00	7278.92	-3955.72	252.09
7350.00	25.69	189.70	50.00	7324.86	-4001.66	232.69
7400.00	30.69	189.70	50.00	7368.92	-4045.72	209.42
7450.00	35.69	189.70	50.00	7410.75	-4087.55	182.45
7500.00	40.69	189.70	50.00	7450.04	-4126.84	151.99
7550.00	45.69	189.70	50.00	7486.48	-4163.28	118.27
7600.00	50.69	189.70	50.00	7519.81	-4196.61	81.55
7650.00	55.69	189.70	50.00	7549.76	-4226.56	42.11
7700.00	60.69	189.70	50.00	7576.11	-4252.91	0.24
7750.00	65.69	189.70	50.00	7598.66	-4275.46	-43.73
7800.00	70.69	189.70	50.00	7617.23	-4294.03	-89.47
7843.14	75.00	189.70	43.14	7629.96	-4306.76	-130.09
7900.00	77.84	189.70	56.86	7643.30	-4320.10	-184.57
8000.00	82.84	189.70	100.00	7660.07	-4336.87	-281.71
8100.00	87.84	189.70	100.00	7668.19	-4344.99	-379.93
8143.94	90.04	189.70	43.94	7669.00	-4345.80	-423.23
8200.00	90.04	188.58	56.06	7668.96	-4345.76	-478.57
8300.00	90.04	186.58	100.00	7668.89	-4345.69	-577.70
8400.00	90.04	184.58	100.00	7668.82	-4345.62	-677.22
8500.00	90.04	182.58	100.00	7668.76	-4345.56	-777.02
8600.00	90.04	180.58	100.00	7668.69	-4345.49	-876.97
8610.87	90.04	180.36	10.87	7668.68	-4345.48	-887.84
8700.00	90.04	180.36	89.13	7668.62	-4345.42	-976.97
8800.00	90.04	180.36	100.00	7668.55	-4345.35	-1076.97
8900.00	90.04	180.36	100.00	7668.49	-4345.29	-1176.97
9000.00	90.04	180.36	100.00	7668.42	-4345.22	-1276.97
9100.00	90.04	180.36	100.00	7668.35	-4345.15	-1376.96
9200.00	90.04	180.36	100.00	7668.29	-4345.09	-1476.96
9300.00	90.04	180.36	100.00	7668.22	-4345.02	-1576.96

9400.00	90.04	180.36	100.00	7668.15	-4344.95	-1676.96
9500.00	90.04	180.36	100.00	7668.09	-4344.89	-1776.96
9600.00	90.04	180.36	100.00	7668.02	-4344.82	-1876.95
9700.00	90.04	180.36	100.00	7667.95	-4344.75	-1976.95
9800.00	90.04	180.36	100.00	7667.89	-4344.69	-2076.95
9900.00	90.04	180.36	100.00	7667.82	-4344.62	-2176.95
10000.00	90.04	180.36	100.00	7667.75	-4344.55	-2276.95
10100.00	90.04	180.36	100.00	7667.69	-4344.49	-2376.94
10200.00	90.04	180.36	100.00	7667.62	-4344.42	-2476.94
10300.00	90.04	180.36	100.00	7667.55	-4344.35	-2576.94
10400.00	90.04	180.36	100.00	7667.48	-4344.28	-2676.94
10500.00	90.04	180.36	100.00	7667.42	-4344.22	-2776.94
10600.00	90.04	180.36	100.00	7667.35	-4344.15	-2876.93
10700.00	90.04	180.36	100.00	7667.28	-4344.08	-2976.93
10800.00	90.04	180.36	100.00	7667.22	-4344.02	-3076.93
10900.00	90.04	180.36	100.00	7667.15	-4343.95	-3176.93
11000.00	90.04	180.36	100.00	7667.08	-4343.88	-3276.93
11100.00	90.04	180.36	100.00	7667.02	-4343.82	-3376.92
11200.00	90.04	180.36	100.00	7666.95	-4343.75	-3476.92
11300.00	90.04	180.36	100.00	7666.88	-4343.68	-3576.92
11400.00	90.04	180.36	100.00	7666.82	-4343.62	-3676.92
11500.00	90.04	180.36	100.00	7666.75	-4343.55	-3776.92
11600.00	90.04	180.36	100.00	7666.68	-4343.48	-3876.91
11700.00	90.04	180.36	100.00	7666.62	-4343.42	-3976.91
11800.00	90.04	180.36	100.00	7666.55	-4343.35	-4076.91
11900.00	90.04	180.36	100.00	7666.48	-4343.28	-4176.91
12000.00	90.04	180.36	100.00	7666.41	-4343.21	-4276.91
12057.20	90.04	180.36	57.20	7666.38	-4343.18	-4334.10
12100.00	90.04	179.51	42.80	7666.35	-4343.15	-4376.90
12200.00	90.04	177.51	100.00	7666.28	-4343.08	-4476.87
12307.27	90.04	175.36	107.27	7666.21	-4343.01	-4583.92
12400.00	90.04	175.36	92.73	7666.14	-4342.94	-4676.35
12500.00	90.04	175.36	100.00	7666.07	-4342.87	-4776.02
12600.00	90.04	175.36	100.00	7666.00	-4342.80	-4875.69
12700.00	90.04	175.36	100.00	7665.93	-4342.73	-4975.36
12757.27	90.04	175.36	57.27	7665.89	-4342.69	-5032.45
12800.00	90.04	176.22	42.73	7665.86	-4342.66	-5075.06
12900.00	90.04	178.22	100.00	7665.79	-4342.59	-5174.94
13000.00	90.04	180.22	100.00	7665.72	-4342.52	-5274.92
13100.00	90.04	182.22	100.00	7665.65	-4342.45	-5374.89
13200.00	90.04	184.22	100.00	7665.58	-4342.38	-5474.73
13257.27	90.04	185.36	57.27	7665.54	-4342.34	-5531.80
13300.00	90.04	185.36	42.73	7665.51	-4342.31	-5574.34
13400.00	90.04	185.36	100.00	7665.44	-4342.24	-5673.91
13500.00	90.04	185.36	100.00	7665.37	-4342.17	-5773.47
13600.00	90.04	185.36	100.00	7665.30	-4342.10	-5873.03

13707.27	90.04	185.36	107.27	7665.23	-4342.03	-5979.84
13800.00	90.04	183.51	92.73	7665.16	-4341.96	-6072.28
13900.00	90.04	181.51	100.00	7665.10	-4341.90	-6172.18
13957.18	90.04	180.36	57.18	7665.06	-4341.86	-6229.36
14000.00	90.04	180.36	42.82	7665.03	-4341.83	-6272.17
14100.00	90.04	180.36	100.00	7664.96	-4341.76	-6372.17
14200.00	90.04	180.36	100.00	7664.90	-4341.70	-6472.17
14300.00	90.04	180.36	100.00	7664.83	-4341.63	-6572.17
14400.00	90.04	180.36	100.00	7664.76	-4341.56	-6672.16
14500.00	90.04	180.36	100.00	7664.70	-4341.50	-6772.16
14600.00	90.04	180.36	100.00	7664.63	-4341.43	-6872.16
14700.00	90.04	180.36	100.00	7664.56	-4341.36	-6972.16
14800.00	90.04	180.36	100.00	7664.50	-4341.30	-7072.16
14900.00	90.04	180.36	100.00	7664.43	-4341.23	-7172.15
15000.00	90.04	180.36	100.00	7664.37	-4341.17	-7272.15
15100.00	90.04	180.36	100.00	7664.30	-4341.10	-7372.15
15200.00	90.04	180.36	100.00	7664.23	-4341.03	-7472.15
15300.00	90.04	180.36	100.00	7664.17	-4340.97	-7572.15
15400.00	90.04	180.36	100.00	7664.10	-4340.90	-7672.14
15500.00	90.04	180.36	100.00	7664.03	-4340.83	-7772.14
15600.00	90.04	180.36	100.00	7663.97	-4340.77	-7872.14
15700.00	90.04	180.36	100.00	7663.90	-4340.70	-7972.14
15800.00	90.04	180.36	100.00	7663.84	-4340.64	-8072.14
15900.00	90.04	180.36	100.00	7663.77	-4340.57	-8172.13
16000.00	90.04	180.36	100.00	7663.70	-4340.50	-8272.13
16100.00	90.04	180.36	100.00	7663.64	-4340.44	-8372.13
16200.00	90.04	180.36	100.00	7663.57	-4340.37	-8472.13
16300.00	90.04	180.36	100.00	7663.50	-4340.30	-8572.13
16400.00	90.04	180.36	100.00	7663.44	-4340.24	-8672.12
16500.00	90.04	180.36	100.00	7663.37	-4340.17	-8772.12
16600.00	90.04	180.36	100.00	7663.30	-4340.10	-8872.12
16700.00	90.04	180.36	100.00	7663.24	-4340.04	-8972.12
16800.00	90.04	180.36	100.00	7663.17	-4339.97	-9072.12
16900.00	90.04	180.36	100.00	7663.11	-4339.91	-9172.11
17000.00	90.04	180.36	100.00	7663.04	-4339.84	-9272.11
17100.00	90.04	180.36	100.00	7662.97	-4339.77	-9372.11
17200.00	90.04	180.36	100.00	7662.91	-4339.71	-9472.11
17300.00	90.04	180.36	100.00	7662.84	-4339.64	-9572.11
17400.00	90.04	180.36	100.00	7662.77	-4339.57	-9672.10
17500.00	90.04	180.36	100.00	7662.71	-4339.51	-9772.10
17600.00	90.04	180.36	100.00	7662.64	-4339.44	-9872.10
17700.00	90.04	180.36	100.00	7662.58	-4339.38	-9972.10
17800.00	90.04	180.36	100.00	7662.51	-4339.31	-10072.10
17900.00	90.04	180.36	100.00	7662.44	-4339.24	-10172.09
18000.00	90.04	180.36	100.00	7662.38	-4339.18	-10272.09
18100.00	90.04	180.36	100.00	7662.31	-4339.11	-10372.09

18200.00	90.04	180.36	100.00	7662.24	-4339.04	-10472.09
18300.00	90.04	180.36	100.00	7662.18	-4338.98	-10572.09
18400.00	90.04	180.36	100.00	7662.11	-4338.91	-10672.08
18500.00	90.04	180.36	100.00	7662.05	-4338.85	-10772.08
18600.00	90.04	180.36	100.00	7661.98	-4338.78	-10872.08
18700.00	90.04	180.36	100.00	7661.91	-4338.71	-10972.08
18800.00	90.04	180.36	100.00	7661.85	-4338.65	-11072.08
18900.00	90.04	180.36	100.00	7661.78	-4338.58	-11172.07
19000.00	90.04	180.36	100.00	7661.71	-4338.51	-11272.07
19100.00	90.04	180.36	100.00	7661.65	-4338.45	-11372.07
19200.00	90.04	180.36	100.00	7661.58	-4338.38	-11472.07
19300.00	90.04	180.36	100.00	7661.51	-4338.31	-11572.07
19400.00	90.04	180.36	100.00	7661.45	-4338.25	-11672.06
19500.00	90.04	180.36	100.00	7661.38	-4338.18	-11772.06
19600.00	90.04	180.36	100.00	7661.32	-4338.12	-11872.06
19700.00	90.04	180.36	100.00	7661.25	-4338.05	-11972.06
19800.00	90.04	180.36	100.00	7661.18	-4337.98	-12072.06
19900.00	90.04	180.36	100.00	7661.12	-4337.92	-12172.05
20000.00	90.04	180.36	100.00	7661.05	-4337.85	-12272.05
20100.00	90.04	180.36	100.00	7660.98	-4337.78	-12372.05
20200.00	90.04	180.36	100.00	7660.92	-4337.72	-12472.05
20300.00	90.04	180.36	100.00	7660.85	-4337.65	-12572.05
20400.00	90.04	180.36	100.00	7660.79	-4337.59	-12672.04
20500.00	90.04	180.36	100.00	7660.72	-4337.52	-12772.04
20600.00	90.04	180.36	100.00	7660.65	-4337.45	-12872.04
20700.00	90.04	180.36	100.00	7660.59	-4337.39	-12972.04
20800.00	90.04	180.36	100.00	7660.52	-4337.32	-13072.04
20900.00	90.04	180.36	100.00	7660.45	-4337.25	-13172.03
21000.00	90.04	180.36	100.00	7660.39	-4337.19	-13272.03
21100.00	90.04	180.36	100.00	7660.32	-4337.12	-13372.03
21200.00	90.04	180.36	100.00	7660.25	-4337.05	-13472.03
21300.00	90.04	180.36	100.00	7660.19	-4336.99	-13572.03
21400.00	90.04	180.36	100.00	7660.12	-4336.92	-13672.02
21500.00	90.04	180.36	100.00	7660.06	-4336.86	-13772.02
21600.00	90.04	180.36	100.00	7659.99	-4336.79	-13872.02
21700.00	90.04	180.36	100.00	7659.92	-4336.72	-13972.02
21800.00	90.04	180.36	100.00	7659.86	-4336.66	-14072.02
21900.00	90.04	180.36	100.00	7659.79	-4336.59	-14172.01
22000.00	90.04	180.36	100.00	7659.72	-4336.52	-14272.01
22100.00	90.04	180.36	100.00	7659.66	-4336.46	-14372.01
22200.00	90.04	180.36	100.00	7659.59	-4336.39	-14472.01
22300.00	90.04	180.36	100.00	7659.53	-4336.33	-14572.01
22400.00	90.04	180.36	100.00	7659.46	-4336.26	-14672.00
22500.00	90.04	180.36	100.00	7659.39	-4336.19	-14772.00
22600.00	90.04	180.36	100.00	7659.33	-4336.13	-14872.00
22700.00	90.04	180.36	100.00	7659.26	-4336.06	-14972.00

22800.00	90.04	180.36	100.00	7659.19	-4335.99	-15072.00
22900.00	90.04	180.36	100.00	7659.13	-4335.93	-15171.99
23000.00	90.04	180.36	100.00	7659.06	-4335.86	-15271.99
23091.89	90.04	180.36	91.89	7659.00	-4335.80	-15363.88

Local E/-W	Easting	Northing	Latitude	Longitude	Dogleg Seve	Build Rate
EW	X	Y	LAT	LON	DLS	BLD
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00

0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
0.00	562260.72	407955.65	32.121531	-104.265747	0.00	0.00
-0.94	562259.78	407957.12	32.121535	-104.265750	2.00	2.00
-3.75	562256.97	407961.54	32.121547	-104.265759	2.00	2.00
-7.67	562253.05	407967.69	32.121564	-104.265772	2.00	2.00
-8.41	562252.31	407968.86	32.121567	-104.265774	0.00	0.00
-13.77	562246.95	407977.27	32.121591	-104.265792	0.00	0.00
-19.13	562241.59	407985.68	32.121614	-104.265809	0.00	0.00
-24.49	562236.23	407994.09	32.121637	-104.265826	0.00	0.00
-29.84	562230.88	408002.50	32.121660	-104.265843	0.00	0.00
-35.20	562225.52	408010.90	32.121683	-104.265861	0.00	0.00
-40.56	562220.16	408019.31	32.121706	-104.265878	0.00	0.00
-45.92	562214.80	408027.72	32.121729	-104.265895	0.00	0.00
-51.27	562209.45	408036.13	32.121752	-104.265913	0.00	0.00
-56.63	562204.09	408044.54	32.121776	-104.265930	0.00	0.00
-61.99	562198.73	408052.95	32.121799	-104.265947	0.00	0.00
-67.35	562193.37	408061.36	32.121822	-104.265965	0.00	0.00
-72.70	562188.02	408069.77	32.121845	-104.265982	0.00	0.00
-78.06	562182.66	408078.18	32.121868	-104.265999	0.00	0.00
-83.42	562177.30	408086.59	32.121891	-104.266016	0.00	0.00
-88.78	562171.94	408095.00	32.121914	-104.266034	0.00	0.00
-94.13	562166.59	408103.41	32.121937	-104.266051	0.00	0.00
-99.49	562161.23	408111.82	32.121961	-104.266068	0.00	0.00
-104.85	562155.87	408120.22	32.121984	-104.266086	0.00	0.00
-110.21	562150.51	408128.63	32.122007	-104.266103	0.00	0.00
-115.56	562145.16	408137.04	32.122030	-104.266120	0.00	0.00
-120.92	562139.80	408145.45	32.122053	-104.266137	0.00	0.00
-126.28	562134.44	408153.86	32.122076	-104.266155	0.00	0.00
-131.64	562129.08	408162.27	32.122099	-104.266172	0.00	0.00
-136.99	562123.73	408170.68	32.122122	-104.266189	0.00	0.00
-142.35	562118.37	408179.09	32.122146	-104.266207	0.00	0.00
-147.71	562113.01	408187.50	32.122169	-104.266224	0.00	0.00
-153.07	562107.66	408195.91	32.122192	-104.266241	0.00	0.00
-158.42	562102.30	408204.32	32.122215	-104.266258	0.00	0.00
-163.78	562096.94	408212.73	32.122238	-104.266276	0.00	0.00
-169.14	562091.58	408221.14	32.122261	-104.266293	0.00	0.00
-174.50	562086.23	408229.55	32.122284	-104.266310	0.00	0.00
-176.13	562084.59	408232.11	32.122291	-104.266316	0.00	0.00
-179.40	562081.32	408237.25	32.122305	-104.266326	2.00	-2.00
-182.53	562078.20	408242.15	32.122319	-104.266336	2.00	-2.00
-183.77	562076.95	408244.11	32.122324	-104.266340	2.00	-2.00
-183.80	562076.92	408244.15	32.122324	-104.266340	2.00	-2.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00

-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.80	562076.92	408244.15	32.122324	-104.266340	0.00	0.00
-183.81	562076.91	408244.11	32.122324	-104.266340	10.00	10.00
-184.28	562076.45	408241.37	32.122317	-104.266342	10.00	10.00
-185.47	562075.25	408234.36	32.122298	-104.266346	10.00	10.00
-187.40	562073.33	408223.12	32.122267	-104.266352	10.00	10.00
-190.02	562070.70	408207.74	32.122224	-104.266360	10.00	10.00
-193.34	562067.38	408188.34	32.122171	-104.266371	10.00	10.00
-197.32	562063.40	408165.07	32.122107	-104.266384	10.00	10.00
-201.93	562058.79	408138.10	32.122033	-104.266399	10.00	10.00
-207.13	562053.59	408107.64	32.121949	-104.266416	10.00	10.00
-212.90	562047.82	408073.92	32.121857	-104.266435	10.00	10.00
-219.17	562041.55	408037.20	32.121756	-104.266455	10.00	10.00
-225.92	562034.80	407997.76	32.121647	-104.266477	10.00	10.00
-233.07	562027.65	407955.89	32.121532	-104.266500	10.00	10.00
-240.59	562020.13	407911.92	32.121411	-104.266524	10.00	10.00
-248.41	562012.31	407866.18	32.121286	-104.266550	10.00	10.00
-255.35	562005.37	407825.56	32.121174	-104.266572	10.00	10.00
-264.66	561996.06	407771.08	32.121024	-104.266602	5.00	5.00
-281.27	561979.45	407673.94	32.120757	-104.266656	5.00	5.00
-298.06	561962.66	407575.73	32.120487	-104.266711	5.00	5.00
-305.46	561955.26	407532.42	32.120368	-104.266735	5.00	5.00
-314.36	561946.36	407477.08	32.120216	-104.266764	2.00	0.00
-327.55	561933.17	407377.95	32.119944	-104.266806	2.00	0.00
-337.27	561923.45	407278.43	32.119670	-104.266838	2.00	0.00
-343.51	561917.21	407178.63	32.119396	-104.266858	2.00	0.00
-346.27	561914.45	407078.68	32.119121	-104.266867	2.00	0.00
-346.36	561914.36	407067.81	32.119091	-104.266868	2.00	0.00
-346.92	561913.80	406978.68	32.118846	-104.266870	0.00	0.00
-347.55	561913.17	406878.68	32.118571	-104.266872	0.00	0.00
-348.18	561912.54	406778.68	32.118296	-104.266874	0.00	0.00
-348.81	561911.91	406678.68	32.118021	-104.266876	0.00	0.00
-349.44	561911.28	406578.69	32.117746	-104.266879	0.00	0.00
-350.07	561910.65	406478.69	32.117472	-104.266881	0.00	0.00
-350.71	561910.02	406378.69	32.117197	-104.266883	0.00	0.00

-351.34	561909.38	406278.69	32.116922	-104.266885	0.00	0.00
-351.97	561908.75	406178.69	32.116647	-104.266888	0.00	0.00
-352.60	561908.12	406078.70	32.116372	-104.266890	0.00	0.00
-353.23	561907.49	405978.70	32.116097	-104.266892	0.00	0.00
-353.86	561906.86	405878.70	32.115822	-104.266894	0.00	0.00
-354.49	561906.23	405778.70	32.115547	-104.266897	0.00	0.00
-355.12	561905.60	405678.70	32.115272	-104.266899	0.00	0.00
-355.75	561904.97	405578.71	32.114998	-104.266901	0.00	0.00
-356.38	561904.34	405478.71	32.114723	-104.266903	0.00	0.00
-357.01	561903.71	405378.71	32.114448	-104.266906	0.00	0.00
-357.65	561903.08	405278.71	32.114173	-104.266908	0.00	0.00
-358.28	561902.44	405178.72	32.113898	-104.266910	0.00	0.00
-358.91	561901.81	405078.72	32.113623	-104.266912	0.00	0.00
-359.54	561901.18	404978.72	32.113348	-104.266914	0.00	0.00
-360.17	561900.55	404878.72	32.113073	-104.266917	0.00	0.00
-360.80	561899.92	404778.72	32.112798	-104.266919	0.00	0.00
-361.43	561899.29	404678.73	32.112524	-104.266921	0.00	0.00
-362.06	561898.66	404578.73	32.112249	-104.266923	0.00	0.00
-362.69	561898.03	404478.73	32.111974	-104.266926	0.00	0.00
-363.32	561897.40	404378.73	32.111699	-104.266928	0.00	0.00
-363.95	561896.77	404278.73	32.111424	-104.266930	0.00	0.00
-364.59	561896.14	404178.74	32.111149	-104.266932	0.00	0.00
-365.22	561895.50	404078.74	32.110874	-104.266935	0.00	0.00
-365.85	561894.87	403978.74	32.110599	-104.266937	0.00	0.00
-366.48	561894.24	403878.74	32.110324	-104.266939	0.00	0.00
-367.11	561893.61	403778.74	32.110050	-104.266941	0.00	0.00
-367.74	561892.98	403678.75	32.109775	-104.266944	0.00	0.00
-368.10	561892.62	403621.55	32.109617	-104.266945	0.00	0.00
-368.05	561892.67	403578.75	32.109500	-104.266945	2.00	0.00
-365.44	561895.28	403478.79	32.109225	-104.266937	2.00	0.00
-358.77	561901.95	403371.73	32.108931	-104.266915	2.00	0.00
-351.27	561909.45	403279.30	32.108677	-104.266891	0.00	0.00
-343.18	561917.54	403179.63	32.108403	-104.266865	0.00	0.00
-335.09	561925.63	403079.96	32.108129	-104.266839	0.00	0.00
-327.00	561933.72	402980.29	32.107855	-104.266813	0.00	0.00
-322.37	561938.35	402923.20	32.107698	-104.266799	0.00	0.00
-319.23	561941.49	402880.59	32.107581	-104.266788	2.00	0.00
-314.37	561946.35	402780.71	32.107306	-104.266773	2.00	0.00
-313.00	561947.72	402680.73	32.107031	-104.266769	2.00	0.00
-315.12	561945.60	402580.76	32.106756	-104.266776	2.00	0.00
-320.72	561940.00	402480.92	32.106482	-104.266794	2.00	0.00
-325.50	561935.22	402423.85	32.106325	-104.266810	2.00	0.00
-329.50	561931.23	402381.31	32.106208	-104.266823	0.00	0.00
-338.84	561921.88	402281.74	32.105934	-104.266853	0.00	0.00
-348.18	561912.54	402182.18	32.105661	-104.266883	0.00	0.00
-357.52	561903.20	402082.62	32.105387	-104.266914	0.00	0.00

-367.54	561893.18	401975.82	32.105093	-104.266946	0.00	0.00
-374.71	561886.01	401883.37	32.104839	-104.266970	2.00	0.00
-379.08	561881.64	401783.47	32.104565	-104.266984	2.00	0.00
-380.01	561880.71	401726.30	32.104408	-104.266987	2.00	0.00
-380.28	561880.44	401683.48	32.104290	-104.266988	0.00	0.00
-380.91	561879.81	401583.48	32.104015	-104.266990	0.00	0.00
-381.54	561879.18	401483.48	32.103740	-104.266993	0.00	0.00
-382.17	561878.55	401383.48	32.103465	-104.266995	0.00	0.00
-382.81	561877.92	401283.49	32.103190	-104.266997	0.00	0.00
-383.44	561877.28	401183.49	32.102915	-104.266999	0.00	0.00
-384.07	561876.65	401083.49	32.102641	-104.267001	0.00	0.00
-384.70	561876.02	400983.49	32.102366	-104.267004	0.00	0.00
-385.33	561875.39	400883.49	32.102091	-104.267006	0.00	0.00
-385.96	561874.76	400783.50	32.101816	-104.267008	0.00	0.00
-386.59	561874.13	400683.50	32.101541	-104.267010	0.00	0.00
-387.23	561873.50	400583.50	32.101266	-104.267013	0.00	0.00
-387.86	561872.86	400483.50	32.100991	-104.267015	0.00	0.00
-388.49	561872.23	400383.50	32.100716	-104.267017	0.00	0.00
-389.12	561871.60	400283.51	32.100441	-104.267019	0.00	0.00
-389.75	561870.97	400183.51	32.100167	-104.267022	0.00	0.00
-390.38	561870.34	400083.51	32.099892	-104.267024	0.00	0.00
-391.01	561869.71	399983.51	32.099617	-104.267026	0.00	0.00
-391.65	561869.08	399883.51	32.099342	-104.267028	0.00	0.00
-392.28	561868.44	399783.52	32.099067	-104.267031	0.00	0.00
-392.91	561867.81	399683.52	32.098792	-104.267033	0.00	0.00
-393.54	561867.18	399583.52	32.098517	-104.267035	0.00	0.00
-394.17	561866.55	399483.52	32.098242	-104.267037	0.00	0.00
-394.80	561865.92	399383.52	32.097967	-104.267040	0.00	0.00
-395.43	561865.29	399283.53	32.097692	-104.267042	0.00	0.00
-396.07	561864.65	399183.53	32.097418	-104.267044	0.00	0.00
-396.70	561864.02	399083.53	32.097143	-104.267046	0.00	0.00
-397.33	561863.39	398983.53	32.096868	-104.267048	0.00	0.00
-397.96	561862.76	398883.54	32.096593	-104.267051	0.00	0.00
-398.59	561862.13	398783.54	32.096318	-104.267053	0.00	0.00
-399.22	561861.50	398683.54	32.096043	-104.267055	0.00	0.00
-399.85	561860.87	398583.54	32.095768	-104.267057	0.00	0.00
-400.49	561860.23	398483.54	32.095493	-104.267060	0.00	0.00
-401.12	561859.60	398383.55	32.095218	-104.267062	0.00	0.00
-401.75	561858.97	398283.55	32.094944	-104.267064	0.00	0.00
-402.38	561858.34	398183.55	32.094669	-104.267066	0.00	0.00
-403.01	561857.71	398083.55	32.094394	-104.267069	0.00	0.00
-403.64	561857.08	397983.55	32.094119	-104.267071	0.00	0.00
-404.27	561856.45	397883.56	32.093844	-104.267073	0.00	0.00
-404.91	561855.81	397783.56	32.093569	-104.267075	0.00	0.00
-405.54	561855.18	397683.56	32.093294	-104.267078	0.00	0.00
-406.17	561854.55	397583.56	32.093019	-104.267080	0.00	0.00

-406.80	561853.92	397483.56	32.092744	-104.267082	0.00	0.00
-407.43	561853.29	397383.57	32.092470	-104.267084	0.00	0.00
-408.06	561852.66	397283.57	32.092195	-104.267086	0.00	0.00
-408.70	561852.03	397183.57	32.091920	-104.267089	0.00	0.00
-409.33	561851.39	397083.57	32.091645	-104.267091	0.00	0.00
-409.96	561850.76	396983.57	32.091370	-104.267093	0.00	0.00
-410.59	561850.13	396883.58	32.091095	-104.267095	0.00	0.00
-411.22	561849.50	396783.58	32.090820	-104.267098	0.00	0.00
-411.85	561848.87	396683.58	32.090545	-104.267100	0.00	0.00
-412.48	561848.24	396583.58	32.090270	-104.267102	0.00	0.00
-413.12	561847.61	396483.58	32.089996	-104.267104	0.00	0.00
-413.75	561846.97	396383.59	32.089721	-104.267107	0.00	0.00
-414.38	561846.34	396283.59	32.089446	-104.267109	0.00	0.00
-415.01	561845.71	396183.59	32.089171	-104.267111	0.00	0.00
-415.64	561845.08	396083.59	32.088896	-104.267113	0.00	0.00
-416.27	561844.45	395983.59	32.088621	-104.267116	0.00	0.00
-416.90	561843.82	395883.60	32.088346	-104.267118	0.00	0.00
-417.54	561843.19	395783.60	32.088071	-104.267120	0.00	0.00
-418.17	561842.55	395683.60	32.087796	-104.267122	0.00	0.00
-418.80	561841.92	395583.60	32.087522	-104.267125	0.00	0.00
-419.43	561841.29	395483.60	32.087247	-104.267127	0.00	0.00
-420.06	561840.66	395383.61	32.086972	-104.267129	0.00	0.00
-420.69	561840.03	395283.61	32.086697	-104.267131	0.00	0.00
-421.32	561839.40	395183.61	32.086422	-104.267133	0.00	0.00
-421.96	561838.77	395083.61	32.086147	-104.267136	0.00	0.00
-422.59	561838.13	394983.61	32.085872	-104.267138	0.00	0.00
-423.22	561837.50	394883.62	32.085597	-104.267140	0.00	0.00
-423.85	561836.87	394783.62	32.085322	-104.267142	0.00	0.00
-424.48	561836.24	394683.62	32.085048	-104.267145	0.00	0.00
-425.11	561835.61	394583.62	32.084773	-104.267147	0.00	0.00
-425.74	561834.98	394483.62	32.084498	-104.267149	0.00	0.00
-426.38	561834.35	394383.63	32.084223	-104.267151	0.00	0.00
-427.01	561833.71	394283.63	32.083948	-104.267154	0.00	0.00
-427.64	561833.08	394183.63	32.083673	-104.267156	0.00	0.00
-428.27	561832.45	394083.63	32.083398	-104.267158	0.00	0.00
-428.90	561831.82	393983.63	32.083123	-104.267160	0.00	0.00
-429.53	561831.19	393883.64	32.082848	-104.267163	0.00	0.00
-430.16	561830.56	393783.64	32.082574	-104.267165	0.00	0.00
-430.80	561829.93	393683.64	32.082299	-104.267167	0.00	0.00
-431.43	561829.29	393583.64	32.082024	-104.267169	0.00	0.00
-432.06	561828.66	393483.64	32.081749	-104.267172	0.00	0.00
-432.69	561828.03	393383.65	32.081474	-104.267174	0.00	0.00
-433.32	561827.40	393283.65	32.081199	-104.267176	0.00	0.00
-433.95	561826.77	393183.65	32.080924	-104.267178	0.00	0.00
-434.58	561826.14	393083.65	32.080649	-104.267180	0.00	0.00
-435.22	561825.51	392983.65	32.080374	-104.267183	0.00	0.00

-435.85	561824.87	392883.66	32.080100	-104.267185	0.00	0.00
-436.48	561824.24	392783.66	32.079825	-104.267187	0.00	0.00
-437.11	561823.61	392683.66	32.079550	-104.267189	0.00	0.00
-437.69	561823.03	392591.77	32.079297	-104.267191	0.00	0.00

Turn Rate TRN	Vertical Section VS
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	-1.47
0.00	-5.86
0.00	-11.99
0.00	-13.15
0.00	-21.53
0.00	-29.91
0.00	-38.28
0.00	-46.66
0.00	-55.03
0.00	-63.41
0.00	-71.78
0.00	-80.16
0.00	-88.53
0.00	-96.91
0.00	-105.28
0.00	-113.66
0.00	-122.04
0.00	-130.41
0.00	-138.79
0.00	-147.16
0.00	-155.54
0.00	-163.91
0.00	-172.29
0.00	-180.66
0.00	-189.04
0.00	-197.41
0.00	-205.79
0.00	-214.17
0.00	-222.54
0.00	-230.92
0.00	-239.29
0.00	-247.67
0.00	-256.04
0.00	-264.42
0.00	-272.79
0.00	-275.35
0.00	-280.46
0.00	-285.35
0.00	-287.30
0.00	-287.34
0.00	-287.34

0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.34
0.00	-287.30
0.00	-284.56
0.00	-277.54
0.00	-266.28
0.00	-250.89
0.00	-231.47
0.00	-208.18
0.00	-181.18
0.00	-150.69
0.00	-116.93
0.00	-80.17
0.00	-40.69
0.00	1.22
0.00	45.24
0.00	91.03
0.00	131.70
0.00	186.23
0.00	283.47
0.00	381.79
0.00	425.14
-2.00	480.54
-2.00	579.74
-2.00	679.32
-2.00	779.16
-2.00	879.13
-2.00	890.00
0.00	979.13
0.00	1079.13
0.00	1179.13
0.00	1279.13
0.00	1379.13
0.00	1479.13
0.00	1579.13

0.00	1679.13
0.00	1779.13
0.00	1879.13
0.00	1979.13
0.00	2079.13
0.00	2179.13
0.00	2279.13
0.00	2379.13
0.00	2479.13
0.00	2579.13
0.00	2679.13
0.00	2779.13
0.00	2879.13
0.00	2979.13
0.00	3079.13
0.00	3179.13
0.00	3279.13
0.00	3379.13
0.00	3479.13
0.00	3579.13
0.00	3679.13
0.00	3779.13
0.00	3879.13
0.00	3979.13
0.00	4079.13
0.00	4179.13
0.00	4279.13
0.00	4336.33
-2.00	4379.13
-2.00	4479.07
-2.00	4586.09
0.00	4678.46
0.00	4778.08
0.00	4877.70
0.00	4977.32
0.00	5034.37
2.00	5076.97
2.00	5176.81
2.00	5276.78
2.00	5376.77
2.00	5476.64
2.00	5533.74
0.00	5576.31
0.00	5675.92
0.00	5775.54
0.00	5875.16

0.00	5982.03
-2.00	6074.52
-2.00	6174.44
-2.00	6231.62
0.00	6274.44
0.00	6374.44
0.00	6474.44
0.00	6574.44
0.00	6674.44
0.00	6774.44
0.00	6874.44
0.00	6974.44
0.00	7074.44
0.00	7174.44
0.00	7274.44
0.00	7374.44
0.00	7474.44
0.00	7574.44
0.00	7674.44
0.00	7774.44
0.00	7874.44
0.00	7974.44
0.00	8074.44
0.00	8174.44
0.00	8274.44
0.00	8374.44
0.00	8474.44
0.00	8574.44
0.00	8674.44
0.00	8774.44
0.00	8874.44
0.00	8974.44
0.00	9074.44
0.00	9174.44
0.00	9274.44
0.00	9374.44
0.00	9474.44
0.00	9574.44
0.00	9674.44
0.00	9774.44
0.00	9874.44
0.00	9974.44
0.00	10074.44
0.00	10174.44
0.00	10274.44
0.00	10374.44

0.00	10474.44
0.00	10574.44
0.00	10674.44
0.00	10774.44
0.00	10874.44
0.00	10974.44
0.00	11074.44
0.00	11174.44
0.00	11274.44
0.00	11374.44
0.00	11474.44
0.00	11574.44
0.00	11674.44
0.00	11774.44
0.00	11874.44
0.00	11974.44
0.00	12074.44
0.00	12174.44
0.00	12274.44
0.00	12374.44
0.00	12474.44
0.00	12574.44
0.00	12674.44
0.00	12774.44
0.00	12874.44
0.00	12974.44
0.00	13074.44
0.00	13174.44
0.00	13274.44
0.00	13374.44
0.00	13474.44
0.00	13574.44
0.00	13674.44
0.00	13774.44
0.00	13874.44
0.00	13974.44
0.00	14074.44
0.00	14174.44
0.00	14274.44
0.00	14374.44
0.00	14474.44
0.00	14574.44
0.00	14674.44
0.00	14774.44
0.00	14874.44
0.00	14974.44

0.00	15074.44
0.00	15174.44
0.00	15274.44
0.00	15366.33

Coterra Energy

Eddy County, NM (NAD 83)
Pintail 23-26-35 Federal Com
Pintail 23-26-35 Federal Com 17H

389' FNL, 1939' FWL

OH
Plan 1

Total Directional
"Driven by TOTAL performance"

Anticollision Report

Minimum Magnetic Interference Warning level is 20' center to center

09 January, 2026

Total Report Version 1.70

COMPASS 5000.16 Build 97

Click here for our anticollision policy

ATTENTION
All offset data provided was gathered using available software and resources . Total Directional Services cannot guarantee the accuracy of all offset data , which should be verified for accuracy by the Operator.

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Reference	Plan 1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 3,336.43usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Well	Pintail 23-26-35 Federal Com 17H						
Well Position	**+N/-S**	0.00 usft	**Northing:**	407,955.65 usft	**Latitude:**	32.1215311	
	+E/-W	0.00 usft	**Easting:**	562,260.72 usft	**Longitude:**	-104.2657472	
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,300.20	usft
Grid Convergence:		0.04 °					

Survey Tool Program **Date** 1/9/2026

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	23,091.89	Plan 1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Expierimental: Summary Highlights: Pintail 23-26-35 Federal Com 17H

- At 1,716.60 MD, Pintail 23-26-35 Federal Com 19H - OH - Plan 1 is 19.99 usft away with a 1.65 SF.
- At 1,800.00 MD, Pintail 23-26-35 Federal Com 19H - OH - Plan 1 is 19.99 usft away with a 1.57 SF.
- At 2,600.00 MD, Pintail 23-26-35 Federal Com 16H - OH - Plan 1 is 36.89 usft away with a 2.00 SF.
- At 12,972.37 MD, GOLDENEYE 26 FEDERAL COM #2 - OH - Svy is 105.09 usft away with a 1.71 SF.
- At 23,091.89 MD, Pintail 23-26-35 Federal Com 16H - OH - Plan 1 is 281.20 usft away with a 1.14 SF.

Offset Listing

Offset Customer - Project - Site Name / Offset Well	Ground Level	KB Height	Map Coordinates Northing	Map Coordinates Easting	Geographical Coordinates Latitude	Geographical Coordinates Longitude	Surface Uncertainty Site	Surface Uncertainty Well
- - Pintail 23-26-35 Federal Com								
Pintail 23 Fed Com 005Y -	3,325.00	3,342.00	407,021.84	561,065.26	32.1189661	-104.2696105	0.00	0.00
Pintail 23 Fed Com 2H -	3,270.00	3,289.00	404,300.52	560,994.27	32.1114855	-104.2698450	0.00	0.00
Pintail 23-26-35 Federal Com 11H -	3,300.40	3,323.40	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00
Pintail 23-26-35 Federal Com 12H -	3,300.50	3,323.50	407,920.44	562,241.12	32.1214344	-104.2658105	0.00	0.00
Pintail 23-26-35 Federal Com 13H -	3,300.50	3,323.50	407,955.20	562,220.73	32.1215300	-104.2658763	0.00	0.00
Pintail 23-26-35 Federal Com 14H -	3,300.40	3,323.40	408,075.17	562,219.40	32.1218597	-104.2658804	0.00	0.00
Pintail 23-26-35 Federal Com 15H -	3,300.30	3,323.30	408,075.39	562,239.39	32.1218603	-104.2658158	0.00	0.00
Pintail 23-26-35 Federal Com 16H -	3,300.40	3,323.40	407,920.66	562,261.11	32.1214349	-104.2657460	0.00	0.00
Pintail 23-26-35 Federal Com 19H -	3,300.40	3,323.40	407,955.43	562,240.73	32.1215306	-104.2658117	0.00	0.00
- - Wigeon 23-26 Federal Com								
Bonnie 35 Fed Com 001H -	3,340.60	3,358.60	392,687.98	564,572.03	32.0795567	-104.2583155	0.00	0.00
GOLDENEYE 26 FEDERAL COM #2 -	3,255.00	3,255.00	402,725.83	561,785.21	32.1071554	-104.2672935	0.00	0.00
Pintail 23 Fed Com 001H -	3,330.00	3,348.00	406,994.30	561,315.24	32.1188900	-104.2688031	0.00	0.00
Wigeon 23 Fed Com #2 -	3,296.00	3,296.00	407,020.56	564,318.87	32.1189569	-104.2591010	0.00	0.00

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Listing

Offset Customer - Project - Site Name / Offset Well	Ground Level	KB Height	Map Coordinates Northing	Map Coordinates Easting	Geographical Coordinates Latitude	Geographical Coordinates Longitude	Surface Uncertainty Site	Surface Uncertainty Well
- - Wigeon 23-26-35 Federal Com								
Bonnie 35 Fed Com 004H -	3,356.00	3,379.00	392,820.04	563,353.35	32.0799220	-104.2622500	0.00	0.00
OLD - Wigeon 23-35 Federal Com 10H -	3,288.00	3,315.00	408,010.31	563,914.16	32.1216784	-104.2604061	0.00	0.00
OLD - Wigeon 23-35 Federal Com 8H -	3,289.00	3,316.00	407,939.11	563,984.91	32.1214826	-104.2601777	0.00	0.00
Pintail 23-26 Fed Com 10H -	3,298.70	3,323.70	408,015.18	562,301.64	32.1216947	-104.2656149	0.00	0.00
Wigeon 23 Fed Com #1 -	3,377.00	3,377.00	404,722.20	563,997.75	32.1126394	-104.2601433	0.00	0.00
Wigeon 23 Fed Com 004H -	3,281.00	3,305.00	408,071.97	564,848.14	32.1218461	-104.2573890	0.00	0.00
Wigeon 23-26 Federal Com 3H -	3,288.00	3,311.00	407,980.61	563,941.56	32.1215967	-104.2603177	0.00	0.00
Wigeon 23-26 Federal Com 5H -	3,288.00	3,311.00	407,966.88	563,956.10	32.1215590	-104.2602707	0.00	0.00
Wigeon 23-35 Federal Com 6H -	3,288.00	3,311.00	407,953.15	563,970.64	32.1215212	-104.2602238	0.00	0.00
Wigeon 23-35 Federal Com 7H -	3,288.00	3,311.00	407,994.34	563,927.02	32.1216345	-104.2603646	0.00	0.00

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Pintail 23-26-35 Federal Com						
Pintail 23 Fed Com 005Y - OH - Svy	2,401.79	2,441.42	1,462.91	1,447.56	95.24	CC
Pintail 23 Fed Com 005Y - OH - Svy	2,500.00	2,529.48	1,463.28	1,447.43	92.32	ES
Pintail 23 Fed Com 005Y - OH - Svy	3,100.00	2,901.00	1,492.31	1,473.95	81.27	SF
Pintail 23 Fed Com 2H - OH - Svy						Out of range
Pintail 23-26-35 Federal Com 11H - OH - Plan 1	1,116.60	1,116.80	53.14	45.30	6.78	CC
Pintail 23-26-35 Federal Com 11H - OH - Plan 1	1,200.00	1,200.00	53.14	44.70	6.30	ES
Pintail 23-26-35 Federal Com 11H - OH - Plan 1	23,091.89	22,803.64	1,309.23	1,064.13	5.34	SF
Pintail 23-26-35 Federal Com 12H - OH - Plan 1	1,316.57	1,316.87	40.30	31.02	4.34	CC
Pintail 23-26-35 Federal Com 12H - OH - Plan 1	1,500.00	1,500.00	40.83	30.24	3.86	ES
Pintail 23-26-35 Federal Com 12H - OH - Plan 1	1,600.00	1,599.19	42.79	31.51	3.79	SF
Pintail 23-26-35 Federal Com 13H - OH - Plan 1	1,316.57	1,316.87	39.99	30.72	4.31	CC
Pintail 23-26-35 Federal Com 13H - OH - Plan 1	1,400.00	1,400.00	39.99	30.12	4.05	ES
Pintail 23-26-35 Federal Com 13H - OH - Plan 1	1,500.00	1,499.21	41.33	30.75	3.91	SF
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	916.60	916.80	126.46	120.05	19.74	CC
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	1,100.00	1,099.21	126.85	119.14	16.45	ES
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	23,091.89	24,828.52	2,074.73	1,834.42	8.63	SF
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	1,116.63	1,116.73	121.62	113.78	15.51	CC
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	1,200.00	1,200.00	121.63	113.19	14.41	ES
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	23,091.89	23,949.38	884.09	639.94	3.62	SF
Pintail 23-26-35 Federal Com 16H - OH - Plan 1	2,000.93	2,001.14	34.99	20.81	2.47	CC
Pintail 23-26-35 Federal Com 16H - OH - Plan 1	2,600.00	2,603.58	36.89	18.45	2.00	ES
Pintail 23-26-35 Federal Com 16H - OH - Plan 1	23,091.89	22,702.53	281.20	35.25	1.14	Level 2, SF
Pintail 23-26-35 Federal Com 19H - OH - Plan 1	1,716.60	1,716.80	19.99	7.85	1.65	CC
Pintail 23-26-35 Federal Com 19H - OH - Plan 1	1,800.00	1,800.00	19.99	7.25	1.57	ES, SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Wigeon 23-26 Federal Com						
Bonnie 35 Fed Com 001H - OH - Svy	18,100.00	12,079.88	3,023.05	2,865.81	19.23	SF
Bonnie 35 Fed Com 001H - OH - Svy	22,984.79	7,202.00	2,960.98	2,816.57	20.50	CC
Bonnie 35 Fed Com 001H - OH - Svy	23,000.00	7,195.91	2,961.01	2,816.52	20.49	ES
GOLDENEYE 26 FEDERAL COM #2 - OH - Svy	12,972.37	7,599.14	105.09	43.80	1.71	CC, ES, SF
Pintail 23 Fed Com 001H - OH - OH Svy	8,726.63	7,677.07	616.63	561.80	11.25	CC, ES, SF
Pintail 23 Fed Com 001H - ST01 - ST01 Svy	8,726.63	7,677.07	616.63	561.80	11.25	CC, ES, SF
Wigeon 23 Fed Com #2 - OH - Cone	2,000.00	1,972.80	2,260.61	2,193.61	33.74	CC
Wigeon 23 Fed Com #2 - OH - Cone	8,637.22	7,641.46	2,404.85	2,144.75	9.25	ES
Wigeon 23 Fed Com #2 - OH - Cone	8,700.00	7,641.42	2,405.43	2,145.22	9.24	SF
Wigeon 23-26-35 Federal Com						
Bonnie 35 Fed Com 004H - OH - Svy	22,846.65	7,086.00	1,752.29	1,610.45	12.35	CC, ES
Bonnie 35 Fed Com 004H - OH - Svy	22,900.00	7,086.00	1,753.11	1,610.95	12.33	SF
OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A	1,200.00	1,191.80	1,654.34	1,645.95	197.07	CC
OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A	1,400.00	1,377.08	1,655.19	1,645.42	169.36	ES
OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A	23,091.89	24,263.80	2,352.52	2,108.85	9.65	SF
OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A	1,800.00	1,792.80	1,724.27	1,711.57	135.77	CC, ES
OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A	7,700.00	7,696.19	3,065.79	3,011.13	56.10	SF
Pintail 23-26 Fed Com 10H - OH - Svy	417.90	418.41	71.75	69.23	28.44	CC
Pintail 23-26 Fed Com 10H - OH - Svy	1,100.00	1,099.79	73.01	65.63	9.90	ES
Pintail 23-26 Fed Com 10H - OH - Svy	17,600.00	18,381.00	1,478.98	1,300.51	8.29	SF
Wigeon 23 Fed Com #1 - Wellbore #1 - Cone	10,943.29	7,720.92	2,098.14	1,827.00	7.74	CC, ES
Wigeon 23 Fed Com #1 - Wellbore #1 - Cone	11,000.00	7,720.88	2,098.91	1,827.52	7.73	SF
Wigeon 23 Fed Com 004H - OH - Svy	558.90	540.73	2,585.02	2,581.54	741.59	CC
Wigeon 23 Fed Com 004H - OH - Svy	600.00	573.00	2,585.15	2,581.41	690.61	ES
Wigeon 23 Fed Com 004H - OH - Svy	7,700.00	7,526.29	2,884.40	2,831.60	54.63	SF
Wigeon 23-26 Federal Com 3H - OH - Svy	5,320.78	5,424.66	1,189.69	1,151.36	31.03	CC, ES
Wigeon 23-26 Federal Com 3H - OH - Svy	17,800.00	17,302.22	1,489.33	1,327.48	9.20	SF
Wigeon 23-26 Federal Com 5H - OH - Svy	1,051.94	1,039.81	1,688.61	1,681.63	241.89	CC
Wigeon 23-26 Federal Com 5H - OH - Svy	1,100.00	1,069.48	1,688.87	1,681.61	232.81	ES
Wigeon 23-26 Federal Com 5H - OH - Svy	18,000.00	17,476.00	2,706.75	2,541.40	16.37	SF
Wigeon 23-35 Federal Com 6H - OH - Svy	521.63	509.46	1,705.38	1,702.17	531.75	CC
Wigeon 23-35 Federal Com 6H - OH - Svy	600.00	575.25	1,705.68	1,701.97	459.23	ES
Wigeon 23-35 Federal Com 6H - OH - Svy	23,091.89	23,150.11	2,660.41	2,419.91	11.06	SF
Wigeon 23-35 Federal Com 7H - OH - Svy	7,050.18	7,077.54	1,211.71	1,161.74	24.25	CC
Wigeon 23-35 Federal Com 7H - OH - Svy	7,100.00	7,118.36	1,211.83	1,161.57	24.11	ES
Wigeon 23-35 Federal Com 7H - OH - Svy	23,091.89	23,196.00	1,437.12	1,194.44	5.92	SF

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23 Fed Com 005Y - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 100-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	17.82	-0.98	0.00	0.11	-127.99	-933.81	-1,195.47	1,516.95				
100.00	100.00	113.13	94.33	0.28	0.71	-127.99	-933.84	-1,195.73	1,517.19	1,516.21	0.98	1,546.778	
200.00	200.00	212.04	193.24	0.63	1.44	-127.97	-933.74	-1,196.33	1,517.60	1,515.54	2.06	736.350	
300.00	300.00	312.63	293.82	0.99	1.93	-127.95	-933.48	-1,197.08	1,518.03	1,515.14	2.89	525.382	
400.00	400.00	413.70	394.89	1.35	2.34	-127.91	-932.98	-1,197.96	1,518.41	1,514.79	3.63	418.702	
500.00	500.00	518.37	499.55	1.71	2.72	-127.87	-932.23	-1,198.83	1,518.63	1,514.32	4.32	351.896	
600.00	600.00	627.57	608.74	2.07	3.08	-127.81	-930.69	-1,199.56	1,518.29	1,513.33	4.97	305.641	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23 Fed Com 005Y - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 100-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
700.00	700.00	726.40	707.55	2.43	3.40	-127.73	-928.76	-1,200.31	1,517.69	1,512.13	5.57	272.651	
800.00	800.00	819.94	801.07	2.79	3.70	-127.65	-926.92	-1,201.45	1,517.45	1,511.31	6.14	246.999	
900.00	900.00	920.97	902.07	3.14	4.01	-127.59	-925.50	-1,202.43	1,517.36	1,510.64	6.73	225.561	
1,000.00	1,000.00	1,037.32	1,018.42	3.50	4.37	-127.54	-924.26	-1,202.81	1,517.02	1,509.70	7.32	207.172	
1,100.00	1,100.00	1,206.04	1,187.01	3.86	4.74	-127.59	-921.86	-1,197.39	1,513.65	1,505.58	8.08	187.407	
1,200.00	1,200.00	1,307.87	1,288.64	4.22	4.85	-127.69	-920.38	-1,191.15	1,507.91	1,499.29	8.63	174.801	
1,300.00	1,300.00	1,408.48	1,389.04	4.58	4.98	-127.81	-919.10	-1,184.65	1,502.02	1,492.82	9.19	163.366	
1,400.00	1,400.00	1,512.80	1,493.10	4.94	5.12	-127.94	-918.06	-1,177.44	1,495.95	1,486.16	9.79	152.791	
1,500.00	1,500.00	1,617.56	1,597.56	5.29	5.29	-128.10	-917.17	-1,169.60	1,489.53	1,479.15	10.38	143.521	
1,600.00	1,600.00	1,713.25	1,692.96	5.65	5.46	-128.26	-916.59	-1,162.15	1,483.02	1,472.05	10.97	135.173	
1,700.00	1,700.00	1,800.00	1,779.50	6.01	5.63	-128.40	-916.50	-1,156.16	1,477.50	1,465.95	11.54	128.006	
1,800.00	1,800.00	1,873.38	1,852.76	6.37	5.76	-128.52	-916.85	-1,152.00	1,473.27	1,461.19	12.07	122.050	
1,900.00	1,900.00	1,962.12	1,941.39	6.73	5.92	-128.64	-917.67	-1,147.82	1,470.14	1,457.52	12.62	116.462	
2,000.00	2,000.00	2,056.08	2,035.27	7.09	6.10	-128.77	-918.62	-1,143.95	1,467.56	1,454.38	13.18	111.362	
2,100.00	2,099.98	2,152.24	2,131.36	7.44	6.29	-96.49	-919.67	-1,140.32	1,465.50	1,451.77	13.73	106.736	
2,200.00	2,199.84	2,249.54	2,228.59	7.80	6.48	-96.83	-920.68	-1,136.94	1,464.06	1,449.78	14.28	102.534	
2,300.00	2,299.46	2,346.54	2,325.54	8.16	6.68	-97.28	-921.57	-1,133.84	1,463.24	1,448.42	14.82	98.715	
2,400.00	2,398.96	2,439.82	2,418.78	8.51	6.87	-97.73	-922.43	-1,131.14	1,462.91	1,447.56	15.35	95.301	
2,401.79	2,400.73	2,441.42	2,420.38	8.52	6.88	-97.74	-922.44	-1,131.10	1,462.91	1,447.56	15.36	95.245	CC
2,500.00	2,498.46	2,529.48	2,508.41	8.87	7.05	-98.15	-923.33	-1,129.18	1,463.28	1,447.43	15.85	92.316	ES
2,600.00	2,597.96	2,622.11	2,601.02	9.23	7.21	-98.60	-924.80	-1,127.45	1,464.36	1,448.04	16.33	89.678	
2,700.00	2,697.46	2,722.83	2,701.71	9.58	7.40	-99.07	-926.16	-1,125.86	1,465.61	1,448.79	16.82	87.135	
2,800.00	2,796.96	2,818.23	2,797.11	9.94	7.62	-99.49	-927.15	-1,124.79	1,467.08	1,449.73	17.35	84.576	
2,900.00	2,896.47	2,869.00	2,847.84	10.30	7.69	-99.73	-928.51	-1,124.50	1,470.27	1,452.55	17.73	82.941	
3,000.00	2,995.97	2,869.00	2,847.84	10.66	7.69	-99.73	-928.51	-1,124.50	1,478.67	1,460.67	18.00	82.165	
3,100.00	3,095.47	2,901.00	2,879.33	11.02	7.70	-100.01	-933.86	-1,124.30	1,492.31	1,473.95	18.36	81.265	SF
3,200.00	3,194.97	2,901.00	2,879.33	11.38	7.70	-100.01	-933.86	-1,124.30	1,511.81	1,493.28	18.53	81.593	
3,300.00	3,294.47	2,918.71	2,896.09	11.74	7.70	-100.25	-939.56	-1,124.02	1,536.78	1,518.03	18.74	81.984	
3,400.00	3,393.97	2,933.00	2,909.06	12.10	7.71	-100.47	-945.53	-1,123.71	1,567.21	1,548.29	18.92	82.852	
3,500.00	3,493.48	2,933.00	2,909.06	12.46	7.71	-100.47	-945.53	-1,123.71	1,602.81	1,583.87	18.94	84.631	
3,600.00	3,592.98	2,948.37	2,922.33	12.82	7.73	-100.75	-953.26	-1,123.34	1,643.07	1,624.02	19.05	86.237	
3,700.00	3,692.48	2,965.00	2,935.75	13.18	7.75	-101.08	-963.07	-1,122.93	1,688.22	1,669.05	19.17	88.065	
3,800.00	3,791.98	2,965.00	2,935.75	13.54	7.75	-101.08	-963.07	-1,122.93	1,737.22	1,718.11	19.11	90.922	
3,900.00	3,891.48	2,965.00	2,935.75	13.90	7.75	-101.08	-963.07	-1,122.93	1,790.47	1,771.45	19.02	94.131	
4,000.00	3,990.98	2,978.95	2,946.17	14.26	7.79	-101.39	-972.34	-1,122.54	1,847.10	1,828.05	19.05	96.953	
4,100.00	4,090.49	2,996.00	2,957.81	14.62	7.86	-101.78	-984.77	-1,121.93	1,907.46	1,888.35	19.11	99.796	
4,200.00	4,189.99	2,996.00	2,957.81	14.98	7.86	-101.78	-984.77	-1,121.93	1,970.34	1,951.33	19.01	103.670	
4,300.00	4,289.49	2,996.00	2,957.81	15.35	7.86	-101.78	-984.77	-1,121.93	2,036.19	2,017.30	18.90	107.762	
4,400.00	4,388.99	2,996.00	2,957.81	15.71	7.86	-101.78	-984.77	-1,121.93	2,104.74	2,085.95	18.79	112.042	
4,500.00	4,488.49	2,996.00	2,957.81	16.07	7.86	-101.78	-984.77	-1,121.93	2,175.72	2,157.04	18.68	116.482	
4,600.00	4,587.99	2,996.00	2,957.81	16.43	7.86	-101.78	-984.77	-1,121.93	2,248.91	2,230.33	18.58	121.056	
4,700.00	4,687.50	3,027.00	2,975.57	16.79	7.98	-102.55	-1,010.11	-1,121.22	2,323.87	2,305.02	18.85	123.295	
4,800.00	4,787.00	3,027.00	2,975.57	17.16	7.98	-102.55	-1,010.11	-1,121.22	2,400.23	2,381.46	18.77	127.901	
4,900.00	4,886.50	3,027.00	2,975.57	17.52	7.98	-102.55	-1,010.11	-1,121.22	2,478.27	2,459.58	18.69	132.576	
5,000.00	4,986.00	3,027.00	2,975.57	17.88	7.98	-102.55	-1,010.11	-1,121.22	2,557.85	2,539.22	18.63	137.303	
5,100.00	5,085.50	3,027.00	2,975.57	18.24	7.98	-102.55	-1,010.11	-1,121.22	2,638.81	2,620.24	18.58	142.062	
5,200.00	5,185.00	3,027.00	2,975.57	18.61	7.98	-102.55	-1,010.11	-1,121.22	2,721.04	2,702.51	18.53	146.838	
5,300.00	5,284.51	3,027.00	2,975.57	18.97	7.98	-102.55	-1,010.11	-1,121.22	2,804.42	2,785.93	18.50	151.615	
5,400.00	5,384.01	3,027.00	2,975.57	19.33	7.98	-102.55	-1,010.11	-1,121.22	2,888.86	2,870.39	18.47	156.380	
5,500.00	5,483.59	3,027.00	2,975.57	19.69	7.98	-104.76	-1,010.11	-1,121.22	2,974.17	2,955.71	18.46	161.130	
5,600.00	5,583.41	3,027.00	2,975.57	20.05	7.98	-107.96	-1,010.11	-1,121.22	3,059.93	3,041.49	18.45	165.867	
5,700.00	5,683.38	3,027.00	2,975.57	20.41	7.98	-111.15	-1,010.11	-1,121.22	3,146.00	3,127.56	18.44	170.577	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23 Fed Com 005Y - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 100-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,800.00	5,783.38	3,043.90	2,983.35	20.76	8.02	-144.49	-1,025.11	-1,121.12	3,231.77	3,213.13	18.64	173.376	
5,900.00	5,883.38	3,060.00	2,989.58	21.12	8.07	-144.80	-1,039.95	-1,121.03	3,319.23	3,300.39	18.84	176.184	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 11H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.20	0.00	0.00	0.00	-131.83	-35.44	-39.60	53.14				
100.00	100.00	100.20	100.00	0.28	0.28	-131.83	-35.44	-39.60	53.14	52.59	0.55	96.140	
200.00	200.00	200.20	200.00	0.63	0.64	-131.83	-35.44	-39.60	53.14	51.87	1.27	41.854	
300.00	300.00	300.20	300.00	0.99	0.99	-131.83	-35.44	-39.60	53.14	51.16	1.99	26.750	
400.00	400.00	400.20	400.00	1.35	1.35	-131.83	-35.44	-39.60	53.14	50.44	2.70	19.656	
500.00	500.00	500.20	500.00	1.71	1.71	-131.83	-35.44	-39.60	53.14	49.72	3.42	15.536	
600.00	600.00	600.20	600.00	2.07	2.07	-131.83	-35.44	-39.60	53.14	49.01	4.14	12.844	
700.00	700.00	700.20	700.00	2.43	2.43	-131.83	-35.44	-39.60	53.14	48.29	4.85	10.947	
800.00	800.00	800.20	800.00	2.79	2.79	-131.83	-35.44	-39.60	53.14	47.57	5.57	9.539	
900.00	900.00	900.20	900.00	3.14	3.14	-131.83	-35.44	-39.60	53.14	46.85	6.29	8.451	
1,000.00	1,000.00	1,000.20	1,000.00	3.50	3.50	-131.83	-35.44	-39.60	53.14	46.14	7.01	7.586	
1,100.00	1,100.00	1,100.20	1,100.00	3.86	3.86	-131.83	-35.44	-39.60	53.14	45.42	7.72	6.882	
1,116.60	1,116.60	1,116.80	1,116.60	3.92	3.92	-131.83	-35.44	-39.60	53.14	45.30	7.84	6.777	CC
1,200.00	1,200.00	1,200.00	1,199.80	4.22	4.22	-131.83	-35.44	-39.60	53.14	44.70	8.44	6.298	ES
1,300.00	1,300.00	1,299.10	1,298.88	4.58	4.57	-130.35	-35.06	-41.27	54.16	45.02	9.14	5.923	
1,400.00	1,400.00	1,397.76	1,397.40	4.94	4.91	-126.26	-33.93	-46.25	57.42	47.58	9.84	5.837	
1,500.00	1,500.00	1,495.95	1,495.23	5.29	5.25	-120.47	-32.06	-54.49	63.40	52.88	10.52	6.025	
1,600.00	1,600.00	1,593.46	1,592.02	5.65	5.60	-114.09	-29.46	-65.91	72.63	61.44	11.19	6.488	
1,700.00	1,700.00	1,690.05	1,687.46	6.01	5.94	-108.04	-26.18	-80.37	85.45	73.61	11.85	7.213	
1,800.00	1,800.00	1,785.53	1,781.26	6.37	6.28	-102.81	-22.23	-97.75	101.98	89.50	12.48	8.172	
1,900.00	1,900.00	1,879.71	1,873.15	6.73	6.62	-98.52	-17.66	-117.86	122.17	109.07	13.09	9.330	
2,000.00	2,000.00	1,973.03	1,963.49	7.09	6.96	-95.07	-12.48	-140.66	145.86	132.16	13.70	10.645	
2,100.00	2,099.98	2,069.84	2,056.91	7.44	7.32	-59.96	-6.86	-165.41	170.22	155.83	14.39	11.828	
2,200.00	2,199.84	2,167.18	2,150.85	7.80	7.68	-58.84	-1.21	-190.29	193.00	177.91	15.09	12.791	
2,300.00	2,299.46	2,264.93	2,245.18	8.16	8.05	-58.76	4.47	-215.28	214.04	198.25	15.79	13.553	
2,400.00	2,398.96	2,362.81	2,339.64	8.51	8.42	-59.23	10.15	-240.30	234.45	217.94	16.51	14.203	
2,500.00	2,498.46	2,460.69	2,434.10	8.87	8.79	-59.63	15.83	-265.32	254.86	237.64	17.22	14.798	
2,600.00	2,597.96	2,558.57	2,528.56	9.23	9.16	-59.97	21.52	-290.34	275.29	257.34	17.94	15.344	
2,700.00	2,697.46	2,656.45	2,623.01	9.58	9.54	-60.26	27.20	-315.36	295.72	277.06	18.66	15.846	
2,800.00	2,796.96	2,754.33	2,717.47	9.94	9.91	-60.52	32.88	-340.38	316.16	296.77	19.38	16.309	
2,900.00	2,896.47	2,852.21	2,811.93	10.30	10.29	-60.74	38.57	-365.40	336.60	316.49	20.11	16.738	
3,000.00	2,995.97	2,950.09	2,906.38	10.66	10.67	-60.94	44.25	-390.42	357.05	336.21	20.84	17.136	
3,100.00	3,095.47	3,047.97	3,000.84	11.02	11.05	-61.12	49.93	-415.45	377.50	355.94	21.56	17.506	
3,200.00	3,194.97	3,145.85	3,095.30	11.38	11.43	-61.27	55.62	-440.47	397.96	375.67	22.29	17.851	
3,300.00	3,294.47	3,243.73	3,189.76	11.74	11.81	-61.42	61.30	-465.49	418.42	395.39	23.02	18.173	
3,400.00	3,393.97	3,341.61	3,284.21	12.10	12.20	-61.55	66.98	-490.51	438.88	415.12	23.76	18.475	
3,500.00	3,493.48	3,439.49	3,378.67	12.46	12.58	-61.66	72.67	-515.53	459.34	434.85	24.49	18.758	
3,600.00	3,592.98	3,537.37	3,473.13	12.82	12.96	-61.77	78.35	-540.55	479.80	454.58	25.22	19.024	
3,700.00	3,692.48	3,635.25	3,567.58	13.18	13.35	-61.87	84.03	-565.57	500.27	474.31	25.96	19.274	
3,800.00	3,791.98	3,733.13	3,662.04	13.54	13.73	-61.96	89.72	-590.59	520.74	494.04	26.69	19.510	
3,900.00	3,891.48	3,831.01	3,756.50	13.90	14.12	-62.05	95.40	-615.61	541.20	513.78	27.43	19.733	
4,000.00	3,990.98	3,928.89	3,850.96	14.26	14.51	-62.12	101.08	-640.63	561.67	533.51	28.16	19.943	
4,100.00	4,090.49	4,026.77	3,945.41	14.62	14.89	-62.20	106.77	-665.65	582.14	553.24	28.90	20.143	
4,200.00	4,189.99	4,124.65	4,039.87	14.98	15.28	-62.27	112.45	-690.67	602.61	572.97	29.64	20.332	
4,300.00	4,289.49	4,222.53	4,134.33	15.35	15.67	-62.33	118.13	-715.69	623.08	592.71	30.38	20.512	
4,400.00	4,388.99	4,320.41	4,228.78	15.71	16.06	-62.39	123.82	-740.71	643.56	612.44	31.12	20.683	
4,500.00	4,488.49	4,418.29	4,323.24	16.07	16.44	-62.44	129.50	-765.74	664.03	632.17	31.85	20.845	
4,600.00	4,587.99	4,516.17	4,417.70	16.43	16.83	-62.50	135.18	-790.76	684.50	651.91	32.59	21.000	
4,700.00	4,687.50	4,614.05	4,512.15	16.79	17.22	-62.54	140.87	-815.78	704.98	671.64	33.33	21.148	
4,800.00	4,787.00	4,711.93	4,606.61	17.16	17.61	-62.59	146.55	-840.80	725.45	691.38	34.08	21.290	
4,900.00	4,886.50	4,809.81	4,701.07	17.52	18.00	-62.64	152.23	-865.82	745.93	711.11	34.82	21.425	
5,000.00	4,986.00	4,907.69	4,795.53	17.88	18.39	-62.68	157.92	-890.84	766.40	730.84	35.56	21.554	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 11H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,005.57	4,889.98	18.24	18.78	-62.72	163.60	-915.86	786.88	750.58	36.30	21.678	
5,200.00	5,185.00	5,103.45	4,984.44	18.61	19.17	-62.75	169.28	-940.88	807.35	770.31	37.04	21.796	
5,300.00	5,284.51	5,201.33	5,078.90	18.97	19.56	-62.79	174.97	-965.90	827.83	790.05	37.78	21.910	
5,400.00	5,384.01	5,299.21	5,173.35	19.33	19.95	-62.82	180.65	-990.92	848.31	809.78	38.53	22.019	
5,500.00	5,483.59	5,397.01	5,267.73	19.69	20.34	-63.07	186.33	-1,015.92	869.16	829.89	39.27	22.134	
5,600.00	5,583.41	5,494.42	5,361.74	20.05	20.73	-63.27	191.99	-1,040.82	891.49	851.48	40.01	22.283	
5,700.00	5,683.38	5,591.33	5,455.26	20.41	21.12	-63.31	197.61	-1,065.60	915.37	874.63	40.74	22.468	
5,800.00	5,783.38	5,687.84	5,548.40	20.76	21.50	-95.37	203.22	-1,090.27	940.30	898.83	41.47	22.673	
5,900.00	5,883.38	5,784.35	5,641.53	21.12	21.89	-94.89	208.82	-1,114.94	965.33	923.12	42.20	22.874	
6,000.00	5,983.38	5,880.85	5,734.65	21.47	22.27	-94.43	214.42	-1,139.60	990.41	947.48	42.93	23.068	
6,100.00	6,083.38	5,977.35	5,827.78	21.83	22.66	-93.99	220.03	-1,164.27	1,015.55	971.89	43.66	23.258	
6,200.00	6,183.38	6,073.85	5,920.91	22.18	23.05	-93.58	225.63	-1,188.94	1,040.75	996.35	44.40	23.442	
6,300.00	6,283.38	6,170.36	6,014.04	22.54	23.43	-93.18	231.23	-1,213.61	1,065.99	1,020.86	45.13	23.621	
6,400.00	6,383.38	6,266.86	6,107.17	22.89	23.82	-92.80	236.84	-1,238.28	1,091.28	1,045.42	45.86	23.796	
6,500.00	6,483.38	6,363.36	6,200.30	23.25	24.20	-92.44	242.44	-1,262.95	1,116.61	1,070.02	46.59	23.965	
6,600.00	6,583.38	6,459.87	6,293.42	23.60	24.59	-92.10	248.04	-1,287.62	1,141.98	1,094.66	47.33	24.130	
6,700.00	6,683.38	6,556.37	6,386.55	23.96	24.98	-91.77	253.65	-1,312.29	1,167.39	1,119.33	48.06	24.291	
6,800.00	6,783.38	6,652.87	6,479.68	24.32	25.36	-91.45	259.25	-1,336.96	1,192.84	1,144.04	48.79	24.447	
6,900.00	6,883.38	6,749.38	6,572.81	24.67	25.75	-91.15	264.85	-1,361.62	1,218.31	1,168.78	49.53	24.599	
7,000.00	6,983.38	6,841.28	6,661.51	25.03	26.12	-90.89	269.75	-1,385.16	1,243.87	1,193.65	50.22	24.768	
7,100.00	7,083.38	6,920.97	6,738.20	25.38	26.43	79.05	265.73	-1,406.18	1,270.38	1,219.58	50.80	25.009	
7,200.00	7,182.76	7,000.00	6,812.78	25.70	26.72	76.13	250.92	-1,427.51	1,296.27	1,244.96	51.31	25.264	
7,300.00	7,278.91	7,077.86	6,883.42	25.99	26.99	73.67	226.08	-1,448.61	1,319.52	1,267.74	51.78	25.484	
7,400.00	7,368.92	7,156.36	6,950.48	26.25	27.23	71.72	191.18	-1,469.56	1,339.41	1,287.19	52.23	25.647	
7,500.00	7,450.04	7,235.30	7,012.42	26.46	27.44	70.27	146.79	-1,489.91	1,355.37	1,302.72	52.65	25.743	
7,600.00	7,519.81	7,314.93	7,068.13	26.65	27.63	69.36	93.41	-1,509.31	1,366.97	1,313.91	53.06	25.762	
7,700.00	7,576.11	7,400.00	7,118.94	26.83	27.80	68.99	27.99	-1,528.37	1,373.89	1,320.40	53.49	25.684	
7,800.00	7,617.23	7,476.87	7,156.19	26.99	27.93	69.12	-37.39	-1,543.78	1,375.96	1,322.10	53.86	25.548	
7,900.00	7,643.30	7,559.55	7,186.30	27.11	28.06	69.63	-112.98	-1,558.09	1,373.66	1,319.42	54.24	25.326	
8,000.00	7,660.07	7,643.58	7,205.68	27.23	28.19	70.02	-193.80	-1,569.94	1,369.26	1,314.68	54.58	25.086	
8,100.00	7,668.19	7,727.94	7,213.36	27.34	28.31	70.28	-277.27	-1,578.84	1,363.02	1,308.14	54.88	24.836	
8,200.00	7,668.96	7,826.33	7,214.23	27.45	28.47	70.36	-375.30	-1,587.11	1,355.48	1,300.29	55.19	24.560	
8,300.00	7,668.89	7,926.20	7,215.07	27.58	28.64	70.36	-474.82	-1,595.48	1,350.62	1,295.07	55.55	24.313	
8,400.00	7,668.82	8,098.77	7,216.51	27.72	28.96	70.35	-647.07	-1,605.27	1,346.60	1,290.59	56.01	24.043	
8,500.00	7,668.76	8,236.69	7,217.67	27.89	29.23	70.32	-784.98	-1,606.11	1,340.78	1,284.32	56.46	23.746	
8,600.00	7,668.69	8,336.64	7,218.51	28.07	29.44	70.33	-884.92	-1,605.78	1,337.57	1,280.63	56.94	23.490	
8,700.00	7,668.62	8,436.63	7,219.34	28.26	29.66	70.35	-984.91	-1,605.45	1,336.34	1,278.88	57.46	23.258	
8,800.00	7,668.55	8,536.62	7,220.18	28.48	29.90	70.38	-1,084.90	-1,605.12	1,335.13	1,277.12	58.01	23.015	
8,900.00	7,668.49	8,636.61	7,221.02	28.71	30.15	70.40	-1,184.88	-1,604.79	1,333.92	1,275.32	58.60	22.763	
9,000.00	7,668.42	8,736.60	7,221.86	28.96	30.42	70.42	-1,284.87	-1,604.45	1,332.71	1,273.49	59.22	22.504	
9,100.00	7,668.35	8,836.59	7,222.69	29.23	30.70	70.44	-1,384.86	-1,604.12	1,331.50	1,271.63	59.88	22.238	
9,200.00	7,668.29	8,936.58	7,223.53	29.51	31.00	70.47	-1,484.85	-1,603.79	1,330.29	1,269.73	60.56	21.966	
9,300.00	7,668.22	9,036.57	7,224.37	29.81	31.31	70.49	-1,584.83	-1,603.46	1,329.08	1,267.81	61.28	21.690	
9,400.00	7,668.15	9,136.57	7,225.21	30.13	31.63	70.51	-1,684.82	-1,603.13	1,327.87	1,265.85	62.02	21.409	
9,500.00	7,668.09	9,236.56	7,226.04	30.46	31.97	70.54	-1,784.81	-1,602.80	1,326.66	1,263.87	62.80	21.126	
9,600.00	7,668.02	9,336.55	7,226.88	30.81	32.32	70.56	-1,884.79	-1,602.47	1,325.46	1,261.86	63.60	20.841	
9,700.00	7,667.95	9,436.54	7,227.72	31.18	32.68	70.58	-1,984.78	-1,602.13	1,324.25	1,259.82	64.43	20.554	
9,800.00	7,667.89	9,536.53	7,228.56	31.56	33.06	70.61	-2,084.77	-1,601.80	1,323.04	1,257.76	65.28	20.267	
9,900.00	7,667.82	9,636.52	7,229.39	31.95	33.45	70.63	-2,184.76	-1,601.47	1,321.83	1,255.67	66.16	19.980	
10,000.00	7,667.75	9,736.51	7,230.23	32.35	33.85	70.65	-2,284.74	-1,601.14	1,320.62	1,253.56	67.06	19.694	
10,100.00	7,667.69	9,836.50	7,231.07	32.77	34.26	70.67	-2,384.73	-1,600.81	1,319.41	1,251.43	67.98	19.409	
10,200.00	7,667.62	9,936.50	7,231.91	33.20	34.68	70.70	-2,484.72	-1,600.48	1,318.21	1,249.28	68.93	19.125	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 11H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,667.55	10,036.49	7,232.75	33.64	35.12	70.72	-2,584.70	-1,600.14	1,317.00	1,247.11	69.89	18.843	
10,400.00	7,667.48	10,136.48	7,233.58	34.10	35.56	70.74	-2,684.69	-1,599.81	1,315.79	1,244.92	70.88	18.564	
10,500.00	7,667.42	10,236.47	7,234.42	34.56	36.02	70.77	-2,784.68	-1,599.48	1,314.59	1,242.71	71.88	18.288	
10,600.00	7,667.35	10,336.46	7,235.26	35.04	36.48	70.79	-2,884.67	-1,599.15	1,313.38	1,240.48	72.90	18.015	
10,700.00	7,667.28	10,436.45	7,236.10	35.52	36.96	70.81	-2,984.65	-1,598.82	1,312.17	1,238.23	73.94	17.746	
10,800.00	7,667.22	10,536.44	7,236.93	36.02	37.44	70.84	-3,084.64	-1,598.49	1,310.97	1,235.97	75.00	17.479	
10,900.00	7,667.15	10,636.44	7,237.77	36.52	37.94	70.86	-3,184.63	-1,598.16	1,309.76	1,233.69	76.07	17.217	
11,000.00	7,667.08	10,736.43	7,238.61	37.04	38.44	70.89	-3,284.62	-1,597.82	1,308.56	1,231.39	77.16	16.959	
11,100.00	7,667.02	10,836.42	7,239.45	37.56	38.95	70.91	-3,384.60	-1,597.49	1,307.35	1,229.09	78.26	16.704	
11,200.00	7,666.95	10,936.41	7,240.28	38.09	39.47	70.93	-3,484.59	-1,597.16	1,306.14	1,226.76	79.38	16.454	
11,300.00	7,666.88	11,036.40	7,241.12	38.63	40.00	70.96	-3,584.58	-1,596.83	1,304.94	1,224.43	80.51	16.208	
11,400.00	7,666.82	11,136.39	7,241.96	39.17	40.53	70.98	-3,684.56	-1,596.50	1,303.73	1,222.08	81.65	15.967	
11,500.00	7,666.75	11,236.38	7,242.80	39.72	41.07	71.00	-3,784.55	-1,596.17	1,302.53	1,219.72	82.81	15.729	
11,600.00	7,666.68	11,336.37	7,243.64	40.28	41.62	71.03	-3,884.54	-1,595.83	1,301.33	1,217.35	83.98	15.496	
11,700.00	7,666.62	11,436.37	7,244.47	40.85	42.18	71.05	-3,984.53	-1,595.50	1,300.12	1,214.96	85.16	15.267	
11,800.00	7,666.55	11,536.36	7,245.31	41.42	42.74	71.08	-4,084.51	-1,595.17	1,298.92	1,212.57	86.35	15.043	
11,900.00	7,666.48	11,636.35	7,246.15	42.00	43.31	71.10	-4,184.50	-1,594.84	1,297.71	1,210.17	87.55	14.823	
12,000.00	7,666.41	11,736.34	7,246.99	42.58	43.88	71.12	-4,284.49	-1,594.51	1,296.51	1,207.75	88.76	14.607	
12,094.31	7,666.35	11,830.64	7,247.78	43.14	44.42	71.16	-4,378.79	-1,594.20	1,296.00	1,206.10	89.90	14.415	
12,100.00	7,666.35	11,836.33	7,247.82	43.17	44.46	71.15	-4,384.48	-1,594.18	1,295.61	1,205.63	89.97	14.400	
12,200.00	7,666.28	11,936.30	7,248.66	43.77	45.04	71.21	-4,484.44	-1,593.84	1,297.47	1,206.27	91.20	14.227	
12,300.00	7,666.21	12,036.12	7,249.50	44.37	45.63	71.30	-4,584.26	-1,593.51	1,302.64	1,210.21	92.43	14.093	
12,400.00	7,666.14	12,135.82	7,250.33	44.97	46.23	71.44	-4,683.95	-1,593.18	1,309.70	1,216.03	93.66	13.983	
12,500.00	7,666.07	12,235.51	7,251.17	45.58	46.82	71.58	-4,783.64	-1,592.85	1,316.77	1,221.87	94.91	13.874	
12,600.00	7,666.00	12,335.21	7,252.00	46.20	47.43	71.73	-4,883.33	-1,592.52	1,323.85	1,227.70	96.15	13.768	
12,700.00	7,665.93	12,418.96	7,252.70	46.82	47.93	71.85	-4,967.08	-1,592.76	1,331.53	1,234.11	97.42	13.668	
12,800.00	7,665.86	12,518.58	7,253.54	47.44	48.55	72.03	-5,066.69	-1,593.68	1,339.52	1,240.85	98.68	13.575	
12,900.00	7,665.79	12,618.40	7,254.38	48.07	49.16	72.17	-5,166.51	-1,594.61	1,344.75	1,244.80	99.95	13.454	
13,000.00	7,665.72	12,718.37	7,255.21	48.70	49.79	72.25	-5,266.46	-1,595.54	1,346.66	1,245.43	101.23	13.303	
13,100.00	7,665.65	12,818.35	7,256.05	49.34	50.41	72.27	-5,366.44	-1,596.47	1,345.25	1,242.72	102.53	13.121	
13,200.00	7,665.58	12,918.23	7,256.89	49.98	51.04	72.21	-5,466.31	-1,597.39	1,340.52	1,236.69	103.83	12.911	
13,300.00	7,665.51	13,017.92	7,257.72	50.61	51.67	72.12	-5,565.99	-1,598.32	1,332.77	1,227.63	105.14	12.676	
13,400.00	7,665.44	13,117.56	7,258.56	51.25	52.31	72.05	-5,665.62	-1,599.24	1,324.48	1,218.03	106.45	12.442	
13,500.00	7,665.37	13,217.20	7,259.39	51.89	52.95	71.97	-5,765.26	-1,600.17	1,316.19	1,208.42	107.78	12.212	
13,600.00	7,665.30	13,316.84	7,260.23	52.54	53.59	71.90	-5,864.89	-1,601.09	1,307.91	1,198.80	109.10	11.988	
13,700.00	7,665.23	13,416.48	7,261.06	53.19	54.23	71.82	-5,964.52	-1,602.01	1,299.62	1,189.19	110.44	11.768	
13,800.00	7,665.16	13,516.23	7,261.90	53.84	54.88	71.80	-6,064.27	-1,602.94	1,292.77	1,180.99	111.78	11.566	
13,900.00	7,665.09	13,616.16	7,262.73	54.50	55.53	71.81	-6,164.19	-1,603.87	1,289.21	1,176.09	113.12	11.397	
13,999.91	7,665.03	13,716.07	7,263.57	55.16	56.19	71.84	-6,264.09	-1,604.79	1,288.26	1,173.80	114.46	11.255	
14,000.00	7,665.03	13,716.16	7,263.57	55.16	56.19	71.85	-6,264.18	-1,604.79	1,288.67	1,174.21	114.46	11.259	
14,025.06	7,665.01	13,741.21	7,263.78	55.33	56.35	71.86	-6,289.23	-1,605.03	1,288.67	1,173.87	114.79	11.226	
14,100.00	7,664.96	13,816.15	7,264.41	55.83	56.84	71.89	-6,364.16	-1,605.72	1,288.67	1,172.86	115.80	11.128	
14,200.00	7,664.90	13,916.15	7,265.25	56.49	57.50	71.93	-6,464.15	-1,606.65	1,288.67	1,171.52	117.15	11.000	
14,300.00	7,664.83	14,016.14	7,266.08	57.16	58.17	71.98	-6,564.14	-1,607.58	1,288.67	1,170.16	118.51	10.874	
14,400.00	7,664.76	14,116.14	7,266.92	57.84	58.83	72.02	-6,664.13	-1,608.50	1,288.67	1,168.81	119.87	10.751	
14,500.00	7,664.70	14,216.14	7,267.76	58.51	59.50	72.06	-6,764.11	-1,609.43	1,288.68	1,167.45	121.23	10.630	
14,600.00	7,664.63	14,316.13	7,268.60	59.19	60.17	72.10	-6,864.10	-1,610.36	1,288.68	1,166.09	122.59	10.512	
14,700.00	7,664.56	14,416.13	7,269.44	59.87	60.84	72.14	-6,964.09	-1,611.29	1,288.68	1,164.72	123.96	10.396	
14,800.00	7,664.50	14,516.12	7,270.27	60.55	61.52	72.19	-7,064.08	-1,612.21	1,288.69	1,163.35	125.34	10.282	
14,900.00	7,664.43	14,616.12	7,271.11	61.24	62.20	72.23	-7,164.06	-1,613.14	1,288.70	1,161.98	126.71	10.170	
15,000.00	7,664.37	14,716.11	7,271.95	61.92	62.87	72.27	-7,264.05	-1,614.07	1,288.70	1,160.61	128.09	10.061	
15,100.00	7,664.30	14,816.11	7,272.79	62.61	63.55	72.31	-7,364.04	-1,615.00	1,288.71	1,159.23	129.47	9.953	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 11H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
15,200.00	7,664.23	14,916.10	7,273.62	63.30	64.24	72.36	-7,464.03	-1,615.92	1,288.72	1,157.86	130.86	9.848	
15,200.53	7,664.23	14,916.63	7,273.63	63.30	64.24	72.36	-7,464.55	-1,615.93	1,288.72	1,157.85	130.87	9.847	
15,300.00	7,664.17	15,015.23	7,274.45	63.99	64.92	72.40	-7,563.14	-1,616.85	1,288.73	1,156.48	132.25	9.745	
15,400.00	7,664.10	15,115.22	7,275.29	64.68	65.60	72.44	-7,663.13	-1,617.85	1,288.81	1,155.17	133.64	9.644	
15,500.00	7,664.03	15,215.22	7,276.13	65.37	66.29	72.48	-7,763.12	-1,618.85	1,288.89	1,153.85	135.03	9.545	
15,600.00	7,663.97	15,315.21	7,276.97	66.07	66.98	72.53	-7,863.10	-1,619.85	1,288.97	1,152.54	136.43	9.448	
15,700.00	7,663.90	15,415.21	7,277.81	66.77	67.67	72.57	-7,963.09	-1,620.85	1,289.04	1,151.22	137.83	9.352	
15,800.00	7,663.83	15,515.20	7,278.64	67.47	68.36	72.61	-8,063.08	-1,621.84	1,289.12	1,149.89	139.23	9.259	
15,900.00	7,663.77	15,615.20	7,279.48	68.17	69.06	72.66	-8,163.06	-1,622.84	1,289.21	1,148.57	140.63	9.167	
16,000.00	7,663.70	15,715.19	7,280.32	68.87	69.75	72.70	-8,263.05	-1,623.84	1,289.29	1,147.25	142.04	9.077	
16,100.00	7,663.64	15,815.19	7,281.16	69.57	70.45	72.74	-8,363.04	-1,624.84	1,289.37	1,145.92	143.45	8.988	
16,200.00	7,663.57	15,915.18	7,282.00	70.27	71.15	72.79	-8,463.02	-1,625.84	1,289.45	1,144.59	144.86	8.901	
16,300.00	7,663.50	16,015.18	7,282.83	70.98	71.85	72.83	-8,563.01	-1,626.84	1,289.53	1,143.26	146.27	8.816	
16,400.00	7,663.44	16,115.18	7,283.67	71.69	72.55	72.87	-8,663.00	-1,627.83	1,289.62	1,141.93	147.69	8.732	
16,500.00	7,663.37	16,215.17	7,284.51	72.39	73.25	72.92	-8,762.99	-1,628.83	1,289.70	1,140.60	149.10	8.650	
16,600.00	7,663.30	16,315.17	7,285.35	73.10	73.95	72.96	-8,862.97	-1,629.83	1,289.79	1,139.27	150.52	8.569	
16,700.00	7,663.24	16,415.16	7,286.18	73.81	74.66	73.00	-8,962.96	-1,630.83	1,289.88	1,137.93	151.94	8.489	
16,800.00	7,663.17	16,515.16	7,287.02	74.52	75.36	73.05	-9,062.95	-1,631.83	1,289.96	1,136.60	153.37	8.411	
16,900.00	7,663.11	16,615.15	7,287.86	75.23	76.07	73.09	-9,162.93	-1,632.83	1,290.05	1,135.26	154.79	8.334	
17,000.00	7,663.04	16,715.15	7,288.70	75.95	76.78	73.13	-9,262.92	-1,633.83	1,290.14	1,133.92	156.22	8.259	
17,100.00	7,662.97	16,815.14	7,289.54	76.66	77.49	73.18	-9,362.91	-1,634.82	1,290.23	1,132.58	157.64	8.184	
17,200.00	7,662.91	16,915.14	7,290.37	77.38	78.20	73.22	-9,462.89	-1,635.82	1,290.32	1,131.25	159.07	8.111	
17,300.00	7,662.84	17,015.13	7,291.21	78.09	78.91	73.26	-9,562.88	-1,636.82	1,290.41	1,129.91	160.51	8.040	
17,400.00	7,662.77	17,115.13	7,292.05	78.81	79.62	73.31	-9,662.87	-1,637.82	1,290.50	1,128.56	161.94	7.969	
17,500.00	7,662.71	17,215.12	7,292.89	79.53	80.33	73.35	-9,762.85	-1,638.82	1,290.59	1,127.22	163.37	7.900	
17,600.00	7,662.64	17,315.12	7,293.73	80.24	81.05	73.39	-9,862.84	-1,639.82	1,290.69	1,125.88	164.81	7.831	
17,700.00	7,662.58	17,415.11	7,294.56	80.96	81.76	73.43	-9,962.83	-1,640.82	1,290.78	1,124.54	166.24	7.764	
17,800.00	7,662.51	17,515.11	7,295.40	81.68	82.48	73.48	-10,062.81	-1,641.81	1,290.88	1,123.19	167.68	7.698	
17,900.00	7,662.44	17,615.10	7,296.24	82.41	83.20	73.52	-10,162.80	-1,642.81	1,290.97	1,121.85	169.12	7.633	
18,000.00	7,662.38	17,712.05	7,297.05	83.13	83.89	73.56	-10,259.74	-1,643.96	1,291.24	1,120.67	170.57	7.570	
18,100.00	7,662.31	17,812.05	7,297.89	83.85	84.61	73.61	-10,359.72	-1,645.20	1,291.57	1,119.56	172.01	7.509	
18,200.00	7,662.24	17,912.04	7,298.73	84.57	85.33	73.66	-10,459.70	-1,646.44	1,291.90	1,118.45	173.45	7.448	
18,300.00	7,662.18	18,012.03	7,299.56	85.30	86.05	73.70	-10,559.69	-1,647.69	1,292.24	1,117.34	174.89	7.389	
18,400.00	7,662.11	18,112.03	7,300.40	86.02	86.77	73.75	-10,659.67	-1,648.93	1,292.57	1,116.23	176.34	7.330	
18,500.00	7,662.04	18,212.02	7,301.24	86.75	87.49	73.80	-10,759.65	-1,650.18	1,292.91	1,115.12	177.79	7.272	
18,600.00	7,661.98	18,312.02	7,302.08	87.47	88.21	73.84	-10,859.63	-1,651.42	1,293.25	1,114.01	179.23	7.215	
18,700.00	7,661.91	18,412.01	7,302.92	88.20	88.93	73.89	-10,959.62	-1,652.67	1,293.58	1,112.90	180.68	7.159	
18,800.00	7,661.85	18,512.00	7,303.75	88.93	89.66	73.93	-11,059.60	-1,653.91	1,293.92	1,111.79	182.13	7.104	
18,900.00	7,661.78	18,612.00	7,304.59	89.65	90.38	73.98	-11,159.58	-1,655.16	1,294.26	1,110.68	183.58	7.050	
19,000.00	7,661.71	18,711.99	7,305.43	90.38	91.11	74.03	-11,259.57	-1,656.40	1,294.60	1,109.57	185.04	6.997	
19,100.00	7,661.65	18,811.99	7,306.27	91.11	91.83	74.07	-11,359.55	-1,657.65	1,294.94	1,108.46	186.49	6.944	
19,200.00	7,661.58	18,911.98	7,307.10	91.84	92.56	74.12	-11,459.53	-1,658.89	1,295.29	1,107.34	187.94	6.892	
19,300.00	7,661.51	19,011.97	7,307.94	92.57	93.28	74.16	-11,559.51	-1,660.13	1,295.63	1,106.23	189.40	6.841	
19,400.00	7,661.45	19,111.97	7,308.78	93.30	94.01	74.21	-11,659.50	-1,661.38	1,295.97	1,105.12	190.85	6.790	
19,500.00	7,661.38	19,211.96	7,309.62	94.03	94.74	74.25	-11,759.48	-1,662.62	1,296.32	1,104.01	192.31	6.741	
19,600.00	7,661.32	19,311.96	7,310.45	94.77	95.47	74.30	-11,859.46	-1,663.87	1,296.66	1,102.89	193.77	6.692	
19,700.00	7,661.25	19,411.95	7,311.29	95.50	96.20	74.35	-11,959.44	-1,665.11	1,297.01	1,101.78	195.23	6.644	
19,800.00	7,661.18	19,511.94	7,312.13	96.23	96.93	74.39	-12,059.43	-1,666.36	1,297.36	1,100.67	196.69	6.596	
19,900.00	7,661.12	19,611.94	7,312.97	96.96	97.66	74.44	-12,159.41	-1,667.60	1,297.70	1,099.56	198.15	6.549	
20,000.00	7,661.05	19,711.93	7,313.80	97.70	98.39	74.48	-12,259.39	-1,668.85	1,298.05	1,098.44	199.61	6.503	
20,100.00	7,660.98	19,811.93	7,314.64	98.43	99.12	74.53	-12,359.38	-1,670.09	1,298.40	1,097.33	201.07	6.457	
20,200.00	7,660.92	19,911.92	7,315.48	99.17	99.85	74.57	-12,459.36	-1,671.33	1,298.75	1,096.22	202.53	6.413	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 11H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,300.00	7,660.85	20,011.91	7,316.32	99.90	100.58	74.62	-12,559.34	-1,672.58	1,299.10	1,095.11	203.99	6.368	
20,400.00	7,660.78	20,111.91	7,317.15	100.64	101.31	74.67	-12,659.32	-1,673.82	1,299.45	1,094.00	205.46	6.325	
20,500.00	7,660.72	20,211.90	7,317.99	101.37	102.05	74.71	-12,759.31	-1,675.07	1,299.81	1,092.88	206.92	6.282	
20,600.00	7,660.65	20,311.90	7,318.83	102.11	102.78	74.76	-12,859.29	-1,676.31	1,300.16	1,091.77	208.39	6.239	
20,700.00	7,660.59	20,411.89	7,319.67	102.85	103.51	74.80	-12,959.27	-1,677.56	1,300.52	1,090.66	209.86	6.197	
20,800.00	7,660.52	20,511.88	7,320.51	103.58	104.25	74.85	-13,059.26	-1,678.80	1,300.87	1,089.55	211.32	6.156	
20,900.00	7,660.45	20,611.88	7,321.34	104.32	104.98	74.89	-13,159.24	-1,680.05	1,301.23	1,088.44	212.79	6.115	
21,000.00	7,660.39	20,711.87	7,322.18	105.06	105.72	74.94	-13,259.22	-1,681.29	1,301.58	1,087.32	214.26	6.075	
21,100.00	7,660.32	20,811.87	7,323.02	105.80	106.45	74.98	-13,359.20	-1,682.54	1,301.94	1,086.21	215.73	6.035	
21,200.00	7,660.25	20,911.86	7,323.86	106.54	107.19	75.03	-13,459.19	-1,683.78	1,302.30	1,085.10	217.20	5.996	
21,300.00	7,660.19	21,011.85	7,324.69	107.28	107.92	75.08	-13,559.17	-1,685.02	1,302.66	1,083.99	218.67	5.957	
21,400.00	7,660.12	21,111.85	7,325.53	108.02	108.66	75.12	-13,659.15	-1,686.27	1,303.02	1,082.88	220.14	5.919	
21,500.00	7,660.06	21,211.84	7,326.37	108.76	109.40	75.17	-13,759.13	-1,687.51	1,303.38	1,081.77	221.61	5.881	
21,600.00	7,659.99	21,311.84	7,327.21	109.50	110.14	75.21	-13,859.12	-1,688.76	1,303.74	1,080.66	223.08	5.844	
21,700.00	7,659.92	21,411.83	7,328.04	110.24	110.87	75.26	-13,959.10	-1,690.00	1,304.10	1,079.55	224.56	5.808	
21,800.00	7,659.86	21,511.83	7,328.88	110.98	111.61	75.30	-14,059.08	-1,691.25	1,304.47	1,078.44	226.03	5.771	
21,900.00	7,659.79	21,611.82	7,329.72	111.72	112.35	75.35	-14,159.07	-1,692.49	1,304.83	1,077.33	227.50	5.735	
22,000.00	7,659.72	21,711.81	7,330.56	112.46	113.09	75.39	-14,259.05	-1,693.74	1,305.20	1,076.22	228.98	5.700	
22,100.00	7,659.66	21,811.81	7,331.39	113.20	113.83	75.44	-14,359.03	-1,694.98	1,305.56	1,075.11	230.45	5.665	
22,200.00	7,659.59	21,911.80	7,332.23	113.94	114.57	75.48	-14,459.01	-1,696.22	1,305.93	1,074.00	231.93	5.631	
22,300.00	7,659.53	22,011.80	7,333.07	114.69	115.31	75.53	-14,559.00	-1,697.47	1,306.30	1,072.89	233.40	5.597	
22,400.00	7,659.46	22,111.79	7,333.91	115.43	116.05	75.57	-14,658.98	-1,698.71	1,306.66	1,071.79	234.88	5.563	
22,500.00	7,659.39	22,211.78	7,334.74	116.17	116.79	75.62	-14,758.96	-1,699.96	1,307.03	1,070.68	236.36	5.530	
22,600.00	7,659.33	22,311.78	7,335.58	116.91	117.53	75.66	-14,858.95	-1,701.20	1,307.40	1,069.57	237.83	5.497	
22,700.00	7,659.26	22,411.77	7,336.42	117.66	118.27	75.71	-14,958.93	-1,702.45	1,307.77	1,068.46	239.31	5.465	
22,800.00	7,659.19	22,511.77	7,337.26	118.40	119.01	75.75	-15,058.91	-1,703.69	1,308.15	1,067.36	240.79	5.433	
22,900.00	7,659.13	22,611.76	7,338.09	119.15	119.75	75.80	-15,158.89	-1,704.94	1,308.52	1,066.25	242.27	5.401	
23,000.00	7,659.06	22,711.75	7,338.93	119.89	120.49	75.84	-15,258.88	-1,706.18	1,308.89	1,065.14	243.75	5.370	
23,091.89	7,659.00	22,803.64	7,339.70	120.57	121.18	75.88	-15,350.75	-1,707.32	1,309.23	1,064.13	245.11	5.342	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 12H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.30	0.00	0.00	0.00	-150.90	-35.21	-19.60	40.30				
100.00	100.00	100.30	100.00	0.28	0.28	-150.90	-35.21	-19.60	40.30	39.74	0.55	72.855	
200.00	200.00	200.30	200.00	0.63	0.64	-150.90	-35.21	-19.60	40.30	39.03	1.27	31.729	
300.00	300.00	300.30	300.00	0.99	0.99	-150.90	-35.21	-19.60	40.30	38.31	1.99	20.281	
400.00	400.00	400.30	400.00	1.35	1.35	-150.90	-35.21	-19.60	40.30	37.59	2.70	14.903	
500.00	500.00	500.30	500.00	1.71	1.71	-150.90	-35.21	-19.60	40.30	36.88	3.42	11.780	
600.00	600.00	600.30	600.00	2.07	2.07	-150.90	-35.21	-19.60	40.30	36.16	4.14	9.739	
700.00	700.00	700.30	700.00	2.43	2.43	-150.90	-35.21	-19.60	40.30	35.44	4.85	8.301	
800.00	800.00	800.30	800.00	2.79	2.79	-150.90	-35.21	-19.60	40.30	34.73	5.57	7.233	
900.00	900.00	900.30	900.00	3.14	3.14	-150.90	-35.21	-19.60	40.30	34.01	6.29	6.408	
1,000.00	1,000.00	1,000.30	1,000.00	3.50	3.50	-150.90	-35.21	-19.60	40.30	33.29	7.01	5.752	
1,100.00	1,100.00	1,100.30	1,100.00	3.86	3.86	-150.90	-35.21	-19.60	40.30	32.58	7.72	5.218	
1,200.00	1,200.00	1,200.30	1,200.00	4.22	4.22	-150.90	-35.21	-19.60	40.30	31.86	8.44	4.775	
1,300.00	1,300.00	1,300.30	1,300.00	4.58	4.58	-150.90	-35.21	-19.60	40.30	31.14	9.16	4.401	
1,316.57	1,316.57	1,316.87	1,316.57	4.64	4.64	-150.90	-35.21	-19.60	40.30	31.02	9.28	4.345	CC
1,400.00	1,400.00	1,400.30	1,400.00	4.94	4.94	-150.90	-35.21	-19.60	40.30	30.42	9.87	4.081	
1,500.00	1,500.00	1,500.00	1,499.68	5.29	5.29	-148.55	-34.83	-21.30	40.83	30.24	10.58	3.858	ES
1,600.00	1,600.00	1,599.19	1,598.73	5.65	5.63	-141.97	-33.69	-26.35	42.79	31.51	11.28	3.793	SF
1,700.00	1,700.00	1,698.03	1,697.20	6.01	5.98	-132.50	-31.80	-34.71	47.16	35.19	11.97	3.940	
1,800.00	1,800.00	1,796.17	1,794.61	6.37	6.32	-122.24	-29.19	-46.28	54.98	42.34	12.64	4.350	
1,900.00	1,900.00	1,893.38	1,890.65	6.73	6.67	-113.02	-25.89	-60.94	66.87	53.59	13.28	5.034	
2,000.00	2,000.00	1,989.46	1,985.01	7.09	7.01	-105.59	-21.92	-78.55	82.92	69.01	13.91	5.963	
2,100.00	2,099.98	2,084.48	2,077.69	7.44	7.35	-67.94	-17.31	-98.99	102.29	87.79	14.51	7.051	
2,200.00	2,199.84	2,180.17	2,170.34	7.80	7.70	-65.26	-12.05	-122.32	123.50	108.36	15.14	8.159	
2,300.00	2,299.46	2,278.06	2,264.98	8.16	8.05	-64.47	-6.55	-146.70	143.88	128.05	15.83	9.088	
2,400.00	2,398.96	2,376.07	2,359.74	8.51	8.42	-64.53	-1.05	-171.11	163.73	147.19	16.54	9.902	
2,500.00	2,498.46	2,474.08	2,454.51	8.87	8.78	-64.58	4.46	-195.52	183.58	166.33	17.24	10.646	
2,600.00	2,597.96	2,572.09	2,549.27	9.23	9.15	-64.62	9.96	-219.93	203.42	185.47	17.95	11.330	
2,700.00	2,697.46	2,670.10	2,644.03	9.58	9.52	-64.66	15.46	-244.34	223.27	204.60	18.67	11.961	
2,800.00	2,796.96	2,768.11	2,738.79	9.94	9.89	-64.68	20.97	-268.75	243.12	223.73	19.38	12.543	
2,900.00	2,896.47	2,866.12	2,833.55	10.30	10.26	-64.71	26.47	-293.17	262.97	242.86	20.10	13.082	
3,000.00	2,995.97	2,964.13	2,928.32	10.66	10.63	-64.73	31.98	-317.58	282.81	261.99	20.82	13.582	
3,100.00	3,095.47	3,062.14	3,023.08	11.02	11.01	-64.75	37.48	-341.99	302.66	281.12	21.54	14.048	
3,200.00	3,194.97	3,160.15	3,117.84	11.38	11.39	-64.76	42.98	-366.40	322.51	300.24	22.27	14.483	
3,300.00	3,294.47	3,258.16	3,212.60	11.74	11.76	-64.78	48.49	-390.81	342.35	319.36	22.99	14.889	
3,400.00	3,393.97	3,356.17	3,307.37	12.10	12.14	-64.79	53.99	-415.22	362.20	338.48	23.72	15.270	
3,500.00	3,493.48	3,454.18	3,402.13	12.46	12.52	-64.80	59.49	-439.63	382.05	357.60	24.45	15.627	
3,600.00	3,592.98	3,552.20	3,496.89	12.82	12.90	-64.81	65.00	-464.04	401.90	376.72	25.18	15.962	
3,700.00	3,692.48	3,650.21	3,591.65	13.18	13.28	-64.82	70.50	-488.45	421.74	395.84	25.91	16.279	
3,800.00	3,791.98	3,748.22	3,686.42	13.54	13.66	-64.83	76.01	-512.86	441.59	414.95	26.64	16.577	
3,900.00	3,891.48	3,846.23	3,781.18	13.90	14.05	-64.83	81.51	-537.27	461.44	434.07	27.37	16.859	
4,000.00	3,990.98	3,944.24	3,875.94	14.26	14.43	-64.84	87.01	-561.68	481.29	453.18	28.10	17.125	
4,100.00	4,090.49	4,042.25	3,970.70	14.62	14.81	-64.85	92.52	-586.09	501.13	472.30	28.84	17.378	
4,200.00	4,189.99	4,140.26	4,065.47	14.98	15.19	-64.85	98.02	-610.50	520.98	491.41	29.57	17.618	
4,300.00	4,289.49	4,238.27	4,160.23	15.35	15.58	-64.86	103.53	-634.91	540.83	510.52	30.31	17.845	
4,400.00	4,388.99	4,336.28	4,254.99	15.71	15.96	-64.86	109.03	-659.32	560.68	529.64	31.04	18.062	
4,500.00	4,488.49	4,434.29	4,349.75	16.07	16.35	-64.87	114.53	-683.74	580.52	548.75	31.78	18.268	
4,600.00	4,587.99	4,532.30	4,444.51	16.43	16.73	-64.87	120.04	-708.15	600.37	567.86	32.51	18.465	
4,700.00	4,687.50	4,630.31	4,539.28	16.79	17.12	-64.88	125.54	-732.56	620.22	586.97	33.25	18.652	
4,800.00	4,787.00	4,728.32	4,634.04	17.16	17.51	-64.88	131.05	-756.97	640.07	606.08	33.99	18.831	
4,900.00	4,886.50	4,826.33	4,728.80	17.52	17.89	-64.88	136.55	-781.38	659.92	625.19	34.73	19.003	
5,000.00	4,986.00	4,924.34	4,823.56	17.88	18.28	-64.89	142.05	-805.79	679.76	644.30	35.47	19.167	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 12H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,022.35	4,918.33	18.24	18.67	-64.89	147.56	-830.20	699.61	663.41	36.20	19.324	
5,200.00	5,185.00	5,120.36	5,013.09	18.61	19.05	-64.89	153.06	-854.61	719.46	682.51	36.94	19.474	
5,300.00	5,284.51	5,218.38	5,107.85	18.97	19.44	-64.90	158.57	-879.02	739.31	701.62	37.68	19.619	
5,400.00	5,384.01	5,316.39	5,202.61	19.33	19.83	-64.90	164.07	-903.43	759.15	720.73	38.42	19.758	
5,500.00	5,483.59	5,414.32	5,297.30	19.69	20.22	-65.11	169.57	-927.82	779.35	740.19	39.16	19.900	
5,600.00	5,583.41	5,511.89	5,391.64	20.05	20.60	-65.23	175.05	-952.12	800.92	761.03	39.90	20.074	
5,700.00	5,683.38	5,608.97	5,485.50	20.41	20.99	-65.18	180.50	-976.30	823.96	783.33	40.63	20.279	
5,800.00	5,783.38	5,705.66	5,578.99	20.76	21.37	-97.16	185.93	-1,000.38	848.00	806.64	41.36	20.503	
5,900.00	5,883.38	5,802.35	5,672.47	21.12	21.75	-96.59	191.36	-1,024.46	872.15	830.06	42.09	20.722	
6,000.00	5,983.38	5,899.03	5,765.95	21.47	22.14	-96.05	196.79	-1,048.55	896.37	853.55	42.82	20.936	
6,100.00	6,083.38	5,995.72	5,859.43	21.83	22.52	-95.54	202.22	-1,072.63	920.66	877.11	43.54	21.143	
6,200.00	6,183.38	6,092.40	5,952.91	22.18	22.90	-95.06	207.65	-1,096.71	945.01	900.74	44.27	21.345	
6,300.00	6,283.38	6,189.09	6,046.39	22.54	23.29	-94.60	213.08	-1,120.79	969.43	924.43	45.00	21.541	
6,400.00	6,383.38	6,285.78	6,139.88	22.89	23.67	-94.17	218.51	-1,144.87	993.90	948.17	45.73	21.732	
6,500.00	6,483.38	6,382.46	6,233.36	23.25	24.06	-93.75	223.94	-1,168.95	1,018.43	971.96	46.46	21.918	
6,600.00	6,583.38	6,479.15	6,326.84	23.60	24.44	-93.35	229.37	-1,193.03	1,043.00	995.81	47.20	22.100	
6,700.00	6,683.38	6,575.83	6,420.32	23.96	24.82	-92.98	234.79	-1,217.11	1,067.62	1,019.69	47.93	22.276	
6,800.00	6,783.38	6,672.52	6,513.80	24.32	25.21	-92.61	240.22	-1,241.19	1,092.28	1,043.62	48.66	22.448	
6,900.00	6,883.38	6,769.20	6,607.28	24.67	25.59	-92.27	245.65	-1,265.27	1,116.98	1,067.59	49.39	22.615	
7,000.00	6,983.38	6,865.89	6,700.76	25.03	25.98	-91.94	251.08	-1,289.35	1,141.72	1,091.59	50.12	22.778	
7,100.00	7,083.38	6,962.58	6,794.25	25.38	26.36	78.51	256.51	-1,313.43	1,166.48	1,115.62	50.85	22.937	
7,200.00	7,182.76	7,058.53	6,887.02	25.70	26.75	76.98	261.90	-1,337.33	1,189.34	1,137.79	51.55	23.072	
7,300.00	7,278.91	7,151.14	6,976.56	25.99	27.11	76.51	267.10	-1,360.40	1,208.89	1,156.67	52.22	23.151	
7,400.00	7,368.92	7,237.39	7,059.95	26.25	27.46	76.80	271.95	-1,381.88	1,225.79	1,172.94	52.85	23.196	
7,500.00	7,450.04	7,318.06	7,137.88	26.46	27.77	77.42	270.82	-1,402.43	1,241.09	1,187.64	53.44	23.223	
7,600.00	7,519.81	7,406.21	7,221.67	26.65	28.10	78.40	256.72	-1,425.61	1,255.01	1,200.91	54.10	23.197	
7,700.00	7,576.11	7,505.29	7,311.72	26.83	28.44	79.82	225.25	-1,451.89	1,267.30	1,212.50	54.81	23.124	
7,800.00	7,617.23	7,620.10	7,407.25	26.99	28.77	81.75	169.34	-1,481.67	1,277.50	1,222.02	55.48	23.026	
7,900.00	7,643.30	7,758.56	7,504.68	27.11	29.10	84.38	77.28	-1,514.99	1,284.96	1,228.93	56.02	22.936	
8,000.00	7,660.07	7,930.97	7,590.94	27.23	29.40	86.94	-67.11	-1,549.79	1,288.40	1,232.03	56.37	22.858	
8,100.00	7,668.19	8,129.17	7,633.02	27.34	29.69	88.27	-257.87	-1,576.88	1,285.12	1,228.56	56.57	22.719	
8,200.00	7,668.96	8,243.24	7,633.70	27.45	29.86	88.42	-371.52	-1,586.63	1,277.25	1,220.48	56.77	22.499	
8,300.00	7,668.89	8,343.12	7,633.70	27.58	30.03	88.42	-471.04	-1,595.00	1,272.42	1,215.41	57.00	22.322	
8,400.00	7,668.82	8,511.20	7,633.70	27.72	30.33	88.41	-638.80	-1,604.98	1,268.78	1,211.52	57.26	22.159	
8,500.00	7,668.76	8,653.62	7,633.70	27.89	30.59	88.41	-781.20	-1,606.13	1,263.11	1,205.55	57.55	21.947	
8,600.00	7,668.69	8,753.56	7,633.70	28.07	30.79	88.41	-881.15	-1,605.79	1,260.02	1,202.12	57.90	21.761	
8,700.00	7,668.62	8,853.56	7,633.70	28.26	31.01	88.41	-981.15	-1,605.46	1,259.03	1,200.75	58.29	21.600	
8,800.00	7,668.55	8,953.56	7,633.70	28.48	31.23	88.41	-1,081.14	-1,605.13	1,258.07	1,199.36	58.71	21.428	
8,900.00	7,668.49	9,053.55	7,633.70	28.71	31.47	88.41	-1,181.13	-1,604.80	1,257.11	1,197.93	59.17	21.245	
9,000.00	7,668.42	9,153.55	7,633.70	28.96	31.73	88.42	-1,281.13	-1,604.47	1,256.14	1,196.47	59.67	21.053	
9,100.00	7,668.35	9,253.54	7,633.70	29.23	32.00	88.42	-1,381.12	-1,604.14	1,255.18	1,194.98	60.20	20.851	
9,200.00	7,668.29	9,353.54	7,633.70	29.51	32.28	88.42	-1,481.12	-1,603.80	1,254.21	1,193.45	60.76	20.641	
9,300.00	7,668.22	9,453.53	7,633.70	29.81	32.57	88.42	-1,581.11	-1,603.47	1,253.25	1,191.89	61.36	20.425	
9,400.00	7,668.15	9,553.53	7,633.70	30.13	32.88	88.42	-1,681.11	-1,603.14	1,252.29	1,190.30	61.99	20.202	
9,500.00	7,668.09	9,653.52	7,633.70	30.46	33.21	88.43	-1,781.10	-1,602.81	1,251.32	1,188.67	62.65	19.973	
9,600.00	7,668.02	9,753.52	7,633.70	30.81	33.54	88.43	-1,881.10	-1,602.48	1,250.36	1,187.02	63.34	19.740	
9,700.00	7,667.95	9,853.51	7,633.70	31.18	33.89	88.43	-1,981.09	-1,602.15	1,249.39	1,185.33	64.06	19.504	
9,800.00	7,667.89	9,953.51	7,633.70	31.56	34.25	88.43	-2,081.09	-1,601.81	1,248.43	1,183.62	64.81	19.264	
9,900.00	7,667.82	10,053.50	7,633.70	31.95	34.62	88.43	-2,181.08	-1,601.48	1,247.47	1,181.88	65.58	19.021	
10,000.00	7,667.75	10,153.50	7,633.70	32.35	35.01	88.43	-2,281.08	-1,601.15	1,246.50	1,180.12	66.38	18.777	
10,100.00	7,667.69	10,253.49	7,633.70	32.77	35.40	88.44	-2,381.07	-1,600.82	1,245.54	1,178.33	67.21	18.532	
10,200.00	7,667.62	10,353.49	7,633.70	33.20	35.81	88.44	-2,481.07	-1,600.49	1,244.57	1,176.51	68.06	18.286	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 12H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,667.55	10,453.49	7,633.70	33.64	36.23	88.44	-2,581.06	-1,600.16	1,243.61	1,174.68	68.93	18.041	
10,400.00	7,667.48	10,553.48	7,633.70	34.10	36.66	88.44	-2,681.06	-1,599.83	1,242.65	1,172.82	69.83	17.795	
10,500.00	7,667.42	10,653.48	7,633.70	34.56	37.10	88.44	-2,781.05	-1,599.49	1,241.68	1,170.93	70.75	17.551	
10,600.00	7,667.35	10,753.47	7,633.70	35.04	37.55	88.45	-2,881.05	-1,599.16	1,240.72	1,169.03	71.69	17.307	
10,700.00	7,667.28	10,853.47	7,633.70	35.52	38.01	88.45	-2,981.04	-1,598.83	1,239.75	1,167.11	72.65	17.065	
10,800.00	7,667.22	10,953.46	7,633.70	36.02	38.47	88.45	-3,081.04	-1,598.50	1,238.79	1,165.16	73.63	16.825	
10,900.00	7,667.15	11,053.46	7,633.70	36.52	38.95	88.45	-3,181.03	-1,598.17	1,237.83	1,163.20	74.62	16.588	
11,000.00	7,667.08	11,153.45	7,633.70	37.04	39.44	88.45	-3,281.03	-1,597.84	1,236.86	1,161.22	75.64	16.352	
11,100.00	7,667.02	11,253.45	7,633.70	37.56	39.93	88.46	-3,381.02	-1,597.50	1,235.90	1,159.23	76.67	16.120	
11,200.00	7,666.95	11,353.44	7,633.70	38.09	40.44	88.46	-3,481.02	-1,597.17	1,234.93	1,157.22	77.72	15.890	
11,300.00	7,666.88	11,453.44	7,633.70	38.63	40.95	88.46	-3,581.01	-1,596.84	1,233.97	1,155.19	78.78	15.663	
11,400.00	7,666.82	11,553.43	7,633.70	39.17	41.47	88.46	-3,681.00	-1,596.51	1,233.01	1,153.15	79.86	15.440	
11,500.00	7,666.75	11,653.43	7,633.70	39.72	41.99	88.46	-3,781.00	-1,596.18	1,232.04	1,151.09	80.95	15.219	
11,600.00	7,666.68	11,753.42	7,633.70	40.28	42.53	88.47	-3,880.99	-1,595.85	1,231.08	1,149.02	82.06	15.002	
11,700.00	7,666.62	11,853.42	7,633.70	40.85	43.07	88.47	-3,980.99	-1,595.51	1,230.11	1,146.93	83.18	14.788	
11,800.00	7,666.55	11,953.42	7,633.70	41.42	43.62	88.47	-4,080.98	-1,595.18	1,229.15	1,144.83	84.32	14.578	
11,900.00	7,666.48	12,053.41	7,633.70	42.00	44.17	88.47	-4,180.98	-1,594.85	1,228.19	1,142.72	85.46	14.371	
12,000.00	7,666.41	12,153.41	7,633.70	42.58	44.73	88.47	-4,280.97	-1,594.52	1,227.22	1,140.60	86.62	14.168	
12,085.64	7,666.36	12,239.05	7,633.70	43.09	45.21	88.47	-4,366.61	-1,594.24	1,226.94	1,139.33	87.62	14.003	
12,100.00	7,666.35	12,253.40	7,633.70	43.17	45.29	88.47	-4,380.97	-1,594.19	1,226.58	1,138.79	87.79	13.972	
12,200.00	7,666.28	12,353.37	7,633.70	43.77	45.87	88.48	-4,480.94	-1,593.86	1,228.85	1,139.88	88.97	13.812	
12,300.00	7,666.21	12,453.20	7,633.70	44.37	46.44	88.48	-4,580.77	-1,593.53	1,234.61	1,144.45	90.16	13.694	
12,400.00	7,666.14	12,552.90	7,633.70	44.97	47.02	88.50	-4,680.47	-1,593.19	1,242.36	1,151.00	91.36	13.599	
12,500.00	7,666.07	12,652.60	7,633.70	45.58	47.61	88.51	-4,780.16	-1,592.86	1,250.11	1,157.54	92.57	13.505	
12,600.00	7,666.00	12,752.30	7,633.70	46.20	48.20	88.52	-4,879.86	-1,592.53	1,257.87	1,164.08	93.79	13.412	
12,700.00	7,665.93	12,836.06	7,633.70	46.82	48.70	88.53	-4,963.62	-1,592.73	1,266.19	1,171.17	95.03	13.324	
12,800.00	7,665.86	12,935.68	7,633.70	47.44	49.30	88.55	-5,063.24	-1,593.65	1,274.89	1,178.63	96.26	13.244	
12,900.00	7,665.79	13,035.51	7,633.70	48.07	49.90	88.56	-5,163.06	-1,594.58	1,280.67	1,183.16	97.51	13.134	
13,000.00	7,665.72	13,135.47	7,633.70	48.70	50.51	88.57	-5,263.02	-1,595.51	1,282.96	1,184.21	98.76	12.991	
13,100.00	7,665.65	13,235.46	7,633.70	49.34	51.13	88.57	-5,363.01	-1,596.43	1,281.77	1,181.75	100.02	12.816	
13,200.00	7,665.58	13,335.35	7,633.70	49.98	51.74	88.57	-5,462.89	-1,597.36	1,277.09	1,175.81	101.28	12.609	
13,300.00	7,665.51	13,435.04	7,633.70	50.61	52.36	88.56	-5,562.57	-1,598.28	1,269.24	1,166.70	102.55	12.377	
13,400.00	7,665.44	13,534.68	7,633.70	51.25	52.99	88.56	-5,662.21	-1,599.21	1,260.83	1,157.01	103.82	12.145	
13,500.00	7,665.37	13,634.33	7,633.70	51.89	53.62	88.55	-5,761.86	-1,600.13	1,252.41	1,147.31	105.10	11.917	
13,600.00	7,665.30	13,733.97	7,633.70	52.54	54.25	88.54	-5,861.50	-1,601.06	1,243.99	1,137.61	106.38	11.694	
13,700.00	7,665.23	13,833.62	7,633.70	53.19	54.88	88.54	-5,961.14	-1,601.98	1,235.58	1,127.91	107.67	11.475	
13,800.00	7,665.16	13,933.37	7,633.70	53.84	55.52	88.53	-6,060.89	-1,602.91	1,228.66	1,119.69	108.97	11.275	
13,900.00	7,665.09	14,033.31	7,633.70	54.50	56.16	88.53	-6,160.82	-1,603.83	1,225.21	1,114.93	110.28	11.110	
13,985.25	7,665.04	14,118.55	7,633.70	55.06	56.71	88.53	-6,246.06	-1,604.63	1,224.49	1,113.09	111.40	10.992	
14,000.00	7,665.03	14,133.31	7,633.70	55.16	56.81	88.53	-6,260.81	-1,604.76	1,224.94	1,113.34	111.60	10.977	
14,100.00	7,664.96	14,233.31	7,633.70	55.83	57.46	88.54	-6,360.81	-1,605.69	1,225.23	1,112.31	112.92	10.851	
14,200.00	7,664.90	14,333.31	7,633.70	56.49	58.11	88.54	-6,460.80	-1,606.62	1,225.53	1,111.28	114.25	10.727	
14,300.00	7,664.83	14,433.30	7,633.70	57.16	58.76	88.54	-6,560.80	-1,607.55	1,225.82	1,110.24	115.58	10.606	
14,400.00	7,664.76	14,533.30	7,633.70	57.84	59.42	88.55	-6,660.79	-1,608.47	1,226.11	1,109.20	116.91	10.487	
14,500.00	7,664.70	14,633.30	7,633.70	58.51	60.08	88.55	-6,760.79	-1,609.40	1,226.41	1,108.15	118.26	10.371	
14,600.00	7,664.63	14,733.30	7,633.70	59.19	60.74	88.56	-6,860.78	-1,610.33	1,226.70	1,107.10	119.60	10.256	
14,700.00	7,664.56	14,833.30	7,633.70	59.87	61.40	88.56	-6,960.78	-1,611.26	1,227.00	1,106.04	120.95	10.144	
14,800.00	7,664.50	14,933.30	7,633.70	60.55	62.07	88.56	-7,060.77	-1,612.18	1,227.29	1,104.98	122.31	10.034	
14,900.00	7,664.43	15,033.30	7,633.70	61.24	62.74	88.57	-7,160.77	-1,613.11	1,227.59	1,103.92	123.67	9.927	
15,000.00	7,664.37	15,133.30	7,633.70	61.92	63.41	88.57	-7,260.77	-1,614.04	1,227.88	1,102.85	125.03	9.821	
15,100.00	7,664.30	15,233.30	7,633.70	62.61	64.08	88.57	-7,360.76	-1,614.97	1,228.17	1,101.78	126.40	9.717	
15,200.00	7,664.23	15,333.30	7,633.70	63.30	64.76	88.58	-7,460.76	-1,615.89	1,228.47	1,100.70	127.77	9.615	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 12H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	7,664.17	15,432.43	7,633.70	63.99	65.43	88.58	-7,559.88	-1,616.82	1,228.77	1,099.63	129.14	9.515	
15,400.00	7,664.10	15,532.43	7,633.70	64.68	66.10	88.58	-7,659.87	-1,617.82	1,229.13	1,098.62	130.52	9.417	
15,500.00	7,664.03	15,632.43	7,633.70	65.37	66.78	88.59	-7,759.87	-1,618.82	1,229.50	1,097.60	131.90	9.322	
15,600.00	7,663.97	15,732.43	7,633.70	66.07	67.47	88.59	-7,859.86	-1,619.81	1,229.87	1,096.59	133.28	9.228	
15,700.00	7,663.90	15,832.42	7,633.70	66.77	68.15	88.59	-7,959.86	-1,620.81	1,230.23	1,095.56	134.67	9.135	
15,800.00	7,663.83	15,932.42	7,633.70	67.47	68.84	88.60	-8,059.85	-1,621.81	1,230.60	1,094.54	136.06	9.045	
15,900.00	7,663.77	16,032.42	7,633.70	68.17	69.52	88.60	-8,159.84	-1,622.81	1,230.96	1,093.51	137.45	8.956	
16,000.00	7,663.70	16,132.42	7,633.70	68.87	70.21	88.60	-8,259.84	-1,623.81	1,231.33	1,092.48	138.84	8.868	
16,100.00	7,663.64	16,232.42	7,633.70	69.57	70.90	88.61	-8,359.83	-1,624.81	1,231.69	1,091.45	140.24	8.783	
16,200.00	7,663.57	16,332.42	7,633.70	70.27	71.59	88.61	-8,459.83	-1,625.81	1,232.06	1,090.42	141.64	8.698	
16,300.00	7,663.50	16,432.42	7,633.70	70.98	72.29	88.61	-8,559.82	-1,626.80	1,232.42	1,089.38	143.05	8.616	
16,400.00	7,663.44	16,532.42	7,633.70	71.69	72.98	88.62	-8,659.82	-1,627.80	1,232.79	1,088.34	144.45	8.534	
16,500.00	7,663.37	16,632.42	7,633.70	72.39	73.68	88.62	-8,759.81	-1,628.80	1,233.15	1,087.29	145.86	8.454	
16,600.00	7,663.30	16,732.42	7,633.70	73.10	74.38	88.62	-8,859.80	-1,629.80	1,233.52	1,086.25	147.27	8.376	
16,700.00	7,663.24	16,832.42	7,633.70	73.81	75.08	88.63	-8,959.80	-1,630.80	1,233.89	1,085.20	148.68	8.299	
16,800.00	7,663.17	16,932.42	7,633.70	74.52	75.78	88.63	-9,059.79	-1,631.80	1,234.25	1,084.15	150.10	8.223	
16,900.00	7,663.11	17,032.42	7,633.70	75.23	76.48	88.64	-9,159.79	-1,632.80	1,234.62	1,083.10	151.52	8.148	
17,000.00	7,663.04	17,132.42	7,633.70	75.95	77.18	88.64	-9,259.78	-1,633.80	1,234.98	1,082.05	152.94	8.075	
17,100.00	7,662.97	17,232.42	7,633.70	76.66	77.88	88.64	-9,359.78	-1,634.79	1,235.35	1,080.99	154.36	8.003	
17,200.00	7,662.91	17,332.41	7,633.70	77.38	78.59	88.65	-9,459.77	-1,635.79	1,235.71	1,079.93	155.78	7.932	
17,300.00	7,662.84	17,432.41	7,633.70	78.09	79.29	88.65	-9,559.76	-1,636.79	1,236.08	1,078.87	157.21	7.863	
17,400.00	7,662.77	17,532.41	7,633.70	78.81	80.00	88.65	-9,659.76	-1,637.79	1,236.44	1,077.81	158.63	7.794	
17,500.00	7,662.71	17,632.41	7,633.70	79.53	80.71	88.66	-9,759.75	-1,638.79	1,236.81	1,076.75	160.06	7.727	
17,600.00	7,662.64	17,732.41	7,633.70	80.24	81.42	88.66	-9,859.75	-1,639.79	1,237.18	1,075.68	161.49	7.661	
17,700.00	7,662.58	17,832.41	7,633.70	80.96	82.13	88.66	-9,959.74	-1,640.79	1,237.54	1,074.61	162.93	7.596	
17,800.00	7,662.51	17,932.41	7,633.70	81.68	82.84	88.67	-10,059.74	-1,641.78	1,237.91	1,073.55	164.36	7.532	
17,900.00	7,662.44	18,032.41	7,633.70	82.41	83.55	88.67	-10,159.73	-1,642.78	1,238.27	1,072.47	165.80	7.469	
18,000.00	7,662.38	18,129.36	7,633.70	83.13	84.24	88.67	-10,256.68	-1,643.92	1,238.81	1,071.57	167.24	7.408	
18,100.00	7,662.31	18,229.36	7,633.70	83.85	84.95	88.68	-10,356.67	-1,645.16	1,239.42	1,070.74	168.68	7.348	
18,200.00	7,662.24	18,329.36	7,633.70	84.57	85.67	88.68	-10,456.66	-1,646.41	1,240.03	1,069.91	170.12	7.289	
18,300.00	7,662.18	18,429.36	7,633.70	85.30	86.38	88.68	-10,556.65	-1,647.65	1,240.64	1,069.08	171.56	7.232	
18,400.00	7,662.11	18,529.36	7,633.70	86.02	87.10	88.69	-10,656.64	-1,648.90	1,241.25	1,068.25	173.00	7.175	
18,500.00	7,662.04	18,629.35	7,633.70	86.75	87.82	88.69	-10,756.63	-1,650.14	1,241.87	1,067.42	174.45	7.119	
18,600.00	7,661.98	18,729.35	7,633.70	87.47	88.53	88.70	-10,856.62	-1,651.39	1,242.48	1,066.58	175.89	7.064	
18,700.00	7,661.91	18,829.35	7,633.70	88.20	89.25	88.70	-10,956.61	-1,652.63	1,243.09	1,065.75	177.34	7.010	
18,800.00	7,661.85	18,929.35	7,633.70	88.93	89.97	88.70	-11,056.60	-1,653.87	1,243.70	1,064.91	178.79	6.956	
18,900.00	7,661.78	19,029.35	7,633.70	89.65	90.69	88.71	-11,156.59	-1,655.12	1,244.31	1,064.07	180.24	6.904	
19,000.00	7,661.71	19,129.34	7,633.70	90.38	91.41	88.71	-11,256.58	-1,656.36	1,244.92	1,063.23	181.69	6.852	
19,100.00	7,661.65	19,229.34	7,633.70	91.11	92.13	88.71	-11,356.57	-1,657.61	1,245.53	1,062.39	183.15	6.801	
19,200.00	7,661.58	19,329.34	7,633.70	91.84	92.85	88.72	-11,456.56	-1,658.85	1,246.15	1,061.55	184.60	6.751	
19,300.00	7,661.51	19,429.34	7,633.70	92.57	93.58	88.72	-11,556.55	-1,660.10	1,246.76	1,060.70	186.05	6.701	
19,400.00	7,661.45	19,529.34	7,633.70	93.30	94.30	88.73	-11,656.54	-1,661.34	1,247.37	1,059.86	187.51	6.652	
19,500.00	7,661.38	19,629.33	7,633.70	94.03	95.02	88.73	-11,756.53	-1,662.59	1,247.98	1,059.01	188.97	6.604	
19,600.00	7,661.32	19,729.33	7,633.70	94.77	95.75	88.73	-11,856.52	-1,663.83	1,248.59	1,058.17	190.43	6.557	
19,700.00	7,661.25	19,829.33	7,633.70	95.50	96.47	88.74	-11,956.51	-1,665.08	1,249.20	1,057.32	191.89	6.510	
19,800.00	7,661.18	19,929.33	7,633.70	96.23	97.20	88.74	-12,056.50	-1,666.32	1,249.82	1,056.47	193.35	6.464	
19,900.00	7,661.12	20,029.33	7,633.70	96.96	97.93	88.74	-12,156.49	-1,667.56	1,250.43	1,055.62	194.81	6.419	
20,000.00	7,661.05	20,129.32	7,633.70	97.70	98.65	88.75	-12,256.48	-1,668.81	1,251.04	1,054.77	196.27	6.374	
20,100.00	7,660.98	20,229.32	7,633.70	98.43	99.38	88.75	-12,356.47	-1,670.05	1,251.65	1,053.92	197.74	6.330	
20,200.00	7,660.92	20,329.32	7,633.70	99.17	100.11	88.75	-12,456.46	-1,671.30	1,252.26	1,053.06	199.20	6.286	
20,300.00	7,660.85	20,429.32	7,633.70	99.90	100.84	88.76	-12,556.46	-1,672.54	1,252.87	1,052.21	200.67	6.244	
20,400.00	7,660.78	20,529.32	7,633.70	100.64	101.57	88.76	-12,656.45	-1,673.79	1,253.49	1,051.35	202.13	6.201	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 12H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,500.00	7,660.72	20,629.32	7,633.70	101.37	102.30	88.77	-12,756.44	-1,675.03	1,254.10	1,050.50	203.60	6.160	
20,600.00	7,660.65	20,729.31	7,633.70	102.11	103.03	88.77	-12,856.43	-1,676.28	1,254.71	1,049.64	205.07	6.119	
20,700.00	7,660.59	20,829.31	7,633.70	102.85	103.76	88.77	-12,956.42	-1,677.52	1,255.32	1,048.78	206.54	6.078	
20,800.00	7,660.52	20,929.31	7,633.70	103.58	104.49	88.78	-13,056.41	-1,678.77	1,255.93	1,047.93	208.01	6.038	
20,900.00	7,660.45	21,029.31	7,633.70	104.32	105.22	88.78	-13,156.40	-1,680.01	1,256.54	1,047.07	209.48	5.998	
21,000.00	7,660.39	21,129.31	7,633.70	105.06	105.95	88.78	-13,256.39	-1,681.26	1,257.16	1,046.21	210.95	5.960	
21,100.00	7,660.32	21,229.30	7,633.70	105.80	106.68	88.79	-13,356.38	-1,682.50	1,257.77	1,045.35	212.42	5.921	
21,200.00	7,660.25	21,329.30	7,633.70	106.54	107.42	88.79	-13,456.37	-1,683.74	1,258.38	1,044.48	213.89	5.883	
21,300.00	7,660.19	21,429.30	7,633.70	107.28	108.15	88.79	-13,556.36	-1,684.99	1,258.99	1,043.62	215.37	5.846	
21,400.00	7,660.12	21,529.30	7,633.70	108.02	108.88	88.80	-13,656.35	-1,686.23	1,259.60	1,042.76	216.84	5.809	
21,500.00	7,660.06	21,629.30	7,633.70	108.76	109.62	88.80	-13,756.34	-1,687.48	1,260.21	1,041.90	218.32	5.772	
21,600.00	7,659.99	21,729.29	7,633.70	109.50	110.35	88.80	-13,856.33	-1,688.72	1,260.83	1,041.03	219.79	5.736	
21,700.00	7,659.92	21,829.29	7,633.70	110.24	111.09	88.81	-13,956.32	-1,689.97	1,261.44	1,040.17	221.27	5.701	
21,800.00	7,659.86	21,929.29	7,633.70	110.98	111.82	88.81	-14,056.31	-1,691.21	1,262.05	1,039.30	222.75	5.666	
21,900.00	7,659.79	22,029.29	7,633.70	111.72	112.56	88.82	-14,156.30	-1,692.46	1,262.66	1,038.43	224.23	5.631	
22,000.00	7,659.72	22,129.29	7,633.70	112.46	113.29	88.82	-14,256.29	-1,693.70	1,263.27	1,037.57	225.70	5.597	
22,100.00	7,659.66	22,229.28	7,633.70	113.20	114.03	88.82	-14,356.28	-1,694.95	1,263.88	1,036.70	227.18	5.563	
22,200.00	7,659.59	22,329.28	7,633.70	113.94	114.77	88.83	-14,456.27	-1,696.19	1,264.50	1,035.83	228.66	5.530	
22,300.00	7,659.53	22,429.28	7,633.70	114.69	115.50	88.83	-14,556.26	-1,697.44	1,265.11	1,034.96	230.14	5.497	
22,400.00	7,659.46	22,529.28	7,633.70	115.43	116.24	88.83	-14,656.25	-1,698.68	1,265.72	1,034.09	231.63	5.464	
22,500.00	7,659.39	22,629.28	7,633.70	116.17	116.98	88.84	-14,756.24	-1,699.92	1,266.33	1,033.22	233.11	5.432	
22,600.00	7,659.33	22,729.28	7,633.70	116.91	117.72	88.84	-14,856.23	-1,701.17	1,266.94	1,032.35	234.59	5.401	
22,700.00	7,659.26	22,829.27	7,633.70	117.66	118.45	88.84	-14,956.22	-1,702.41	1,267.55	1,031.48	236.07	5.369	
22,800.00	7,659.19	22,929.27	7,633.70	118.40	119.19	88.85	-15,056.21	-1,703.66	1,268.17	1,030.61	237.56	5.338	
22,900.00	7,659.13	23,029.27	7,633.70	119.15	119.93	88.85	-15,156.20	-1,704.90	1,268.78	1,029.74	239.04	5.308	
23,000.00	7,659.06	23,129.27	7,633.70	119.89	120.67	88.85	-15,256.19	-1,706.15	1,269.39	1,028.86	240.53	5.278	
23,091.89	7,659.00	23,221.16	7,633.70	120.57	121.35	88.86	-15,348.08	-1,707.29	1,269.95	1,028.06	241.89	5.250	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 13H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.30	0.00	0.00	0.00	-90.64	-0.45	-39.99	39.99				
100.00	100.00	100.30	100.00	0.28	0.28	-90.64	-0.45	-39.99	39.99	39.44	0.55	72.303	
200.00	200.00	200.30	200.00	0.63	0.64	-90.64	-0.45	-39.99	39.99	38.72	1.27	31.489	
300.00	300.00	300.30	300.00	0.99	0.99	-90.64	-0.45	-39.99	39.99	38.01	1.99	20.127	
400.00	400.00	400.30	400.00	1.35	1.35	-90.64	-0.45	-39.99	39.99	37.29	2.70	14.790	
500.00	500.00	500.30	500.00	1.71	1.71	-90.64	-0.45	-39.99	39.99	36.57	3.42	11.691	
600.00	600.00	600.30	600.00	2.07	2.07	-90.64	-0.45	-39.99	39.99	35.85	4.14	9.665	
700.00	700.00	700.30	700.00	2.43	2.43	-90.64	-0.45	-39.99	39.99	35.14	4.85	8.238	
800.00	800.00	800.30	800.00	2.79	2.79	-90.64	-0.45	-39.99	39.99	34.42	5.57	7.178	
900.00	900.00	900.30	900.00	3.14	3.14	-90.64	-0.45	-39.99	39.99	33.70	6.29	6.359	
1,000.00	1,000.00	1,000.30	1,000.00	3.50	3.50	-90.64	-0.45	-39.99	39.99	32.99	7.01	5.709	
1,100.00	1,100.00	1,100.30	1,100.00	3.86	3.86	-90.64	-0.45	-39.99	39.99	32.27	7.72	5.179	
1,200.00	1,200.00	1,200.30	1,200.00	4.22	4.22	-90.64	-0.45	-39.99	39.99	31.55	8.44	4.739	
1,300.00	1,300.00	1,300.30	1,300.00	4.58	4.58	-90.64	-0.45	-39.99	39.99	30.84	9.16	4.368	
1,316.57	1,316.57	1,316.87	1,316.57	4.64	4.64	-90.64	-0.45	-39.99	39.99	30.72	9.28	4.312	CC
1,400.00	1,400.00	1,400.00	1,399.70	4.94	4.94	-90.64	-0.45	-39.99	39.99	30.12	9.87	4.051	ES
1,500.00	1,500.00	1,499.21	1,498.89	5.29	5.29	-89.09	0.65	-41.31	41.33	30.75	10.58	3.906	SF
1,600.00	1,600.00	1,597.89	1,597.43	5.65	5.64	-85.02	3.94	-45.22	45.47	34.19	11.28	4.033	
1,700.00	1,700.00	1,696.09	1,695.27	6.01	5.99	-79.72	9.38	-51.70	52.76	40.80	11.96	4.413	
1,800.00	1,800.00	1,793.68	1,792.16	6.37	6.33	-74.72	16.60	-60.74	63.45	50.83	12.62	5.027	
1,900.00	1,900.00	1,890.71	1,888.21	6.73	6.68	-72.29	23.24	-72.76	77.29	64.01	13.28	5.821	
2,000.00	2,000.00	1,986.99	1,983.14	7.09	7.02	-71.81	28.84	-87.76	93.90	79.98	13.92	6.745	
2,100.00	2,099.98	2,082.54	2,076.89	7.44	7.36	-40.29	33.40	-105.64	111.87	97.32	14.55	7.689	
2,200.00	2,199.84	2,179.66	2,171.72	7.80	7.71	-42.61	37.23	-126.24	129.52	114.31	15.21	8.514	
2,300.00	2,299.46	2,278.18	2,267.88	8.16	8.06	-45.40	41.05	-147.33	145.16	129.25	15.91	9.125	
2,400.00	2,398.96	2,376.77	2,364.11	8.51	8.42	-48.14	44.87	-168.44	160.24	143.63	16.61	9.646	
2,500.00	2,498.46	2,475.36	2,460.34	8.87	8.78	-50.41	48.69	-189.55	175.62	158.30	17.32	10.140	
2,600.00	2,597.96	2,573.95	2,556.57	9.23	9.15	-52.31	52.52	-210.65	191.23	173.20	18.03	10.606	
2,700.00	2,697.46	2,672.54	2,652.79	9.58	9.51	-53.92	56.34	-231.76	207.02	188.27	18.74	11.045	
2,800.00	2,796.96	2,771.13	2,749.02	9.94	9.88	-55.30	60.16	-252.87	222.94	203.48	19.46	11.457	
2,900.00	2,896.47	2,869.72	2,845.25	10.30	10.24	-56.50	63.98	-273.98	238.97	218.79	20.18	11.844	
3,000.00	2,995.97	2,968.31	2,941.48	10.66	10.61	-57.55	67.80	-295.08	255.09	234.20	20.90	12.208	
3,100.00	3,095.47	3,066.90	3,037.71	11.02	10.98	-58.48	71.63	-316.19	271.29	249.67	21.62	12.550	
3,200.00	3,194.97	3,165.49	3,133.94	11.38	11.35	-59.30	75.45	-337.30	287.54	265.20	22.34	12.873	
3,300.00	3,294.47	3,264.08	3,230.17	11.74	11.72	-60.03	79.27	-358.41	303.85	280.79	23.06	13.176	
3,400.00	3,393.97	3,362.68	3,326.40	12.10	12.09	-60.69	83.09	-379.52	320.20	296.41	23.78	13.463	
3,500.00	3,493.48	3,461.27	3,422.63	12.46	12.47	-61.28	86.92	-400.62	336.59	312.08	24.51	13.733	
3,600.00	3,592.98	3,559.86	3,518.86	12.82	12.84	-61.82	90.74	-421.73	353.01	327.77	25.24	13.989	
3,700.00	3,692.48	3,658.45	3,615.09	13.18	13.21	-62.31	94.56	-442.84	369.45	343.49	25.96	14.231	
3,800.00	3,791.98	3,757.04	3,711.31	13.54	13.59	-62.76	98.38	-463.95	385.92	359.24	26.69	14.460	
3,900.00	3,891.48	3,855.63	3,807.54	13.90	13.96	-63.17	102.20	-485.05	402.42	375.00	27.42	14.678	
4,000.00	3,990.98	3,954.22	3,903.77	14.26	14.34	-63.55	106.03	-506.16	418.93	390.78	28.15	14.884	
4,100.00	4,090.49	4,052.81	4,000.00	14.62	14.72	-63.90	109.85	-527.27	435.46	406.58	28.87	15.081	
4,200.00	4,189.99	4,151.40	4,096.23	14.98	15.09	-64.23	113.67	-548.38	452.00	422.39	29.60	15.268	
4,300.00	4,289.49	4,249.99	4,192.46	15.35	15.47	-64.53	117.49	-569.48	468.55	438.22	30.33	15.446	
4,400.00	4,388.99	4,348.59	4,288.69	15.71	15.85	-64.81	121.32	-590.59	485.12	454.06	31.06	15.616	
4,500.00	4,488.49	4,447.18	4,384.92	16.07	16.22	-65.07	125.14	-611.70	501.70	469.90	31.80	15.779	
4,600.00	4,587.99	4,545.77	4,481.15	16.43	16.60	-65.32	128.96	-632.81	518.29	485.76	32.53	15.934	
4,700.00	4,687.50	4,644.36	4,577.38	16.79	16.98	-65.55	132.78	-653.92	534.88	501.62	33.26	16.082	
4,800.00	4,787.00	4,742.95	4,673.61	17.16	17.36	-65.77	136.60	-675.02	551.49	517.50	33.99	16.224	
4,900.00	4,886.50	4,841.54	4,769.83	17.52	17.74	-65.97	140.43	-696.13	568.10	533.37	34.72	16.360	
5,000.00	4,986.00	4,940.13	4,866.06	17.88	18.11	-66.16	144.25	-717.24	584.72	549.26	35.46	16.491	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 13H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,038.72	4,962.29	18.24	18.49	-66.35	148.07	-738.35	601.34	565.15	36.19	16.616	
5,200.00	5,185.00	5,137.31	5,058.52	18.61	18.87	-66.52	151.89	-759.45	617.97	581.05	36.92	16.737	
5,300.00	5,284.51	5,235.90	5,154.75	18.97	19.25	-66.68	155.72	-780.56	634.61	596.95	37.66	16.852	
5,400.00	5,384.01	5,334.50	5,250.98	19.33	19.63	-66.84	159.54	-801.67	651.25	612.85	38.39	16.964	
5,500.00	5,483.59	5,433.04	5,347.16	19.69	20.01	-67.14	163.36	-822.77	668.21	629.09	39.12	17.079	
5,600.00	5,583.41	5,531.33	5,443.10	20.05	20.39	-67.30	167.17	-843.81	686.46	646.60	39.86	17.224	
5,700.00	5,683.38	5,629.25	5,538.67	20.41	20.77	-67.22	170.97	-864.77	706.05	665.47	40.58	17.398	
5,800.00	5,783.38	5,726.86	5,633.94	20.76	21.14	-99.21	174.75	-885.67	726.56	685.25	41.31	17.589	
5,900.00	5,883.38	5,824.46	5,729.21	21.12	21.52	-98.65	178.53	-906.57	747.16	705.13	42.03	17.776	
6,000.00	5,983.38	5,922.07	5,824.48	21.47	21.90	-98.13	182.32	-927.46	767.83	725.07	42.76	17.958	
6,100.00	6,083.38	6,019.67	5,919.74	21.83	22.27	-97.63	186.10	-948.36	788.55	745.07	43.48	18.135	
6,200.00	6,183.38	6,117.28	6,015.01	22.18	22.65	-97.16	189.89	-969.26	809.33	765.12	44.21	18.308	
6,300.00	6,283.38	6,214.88	6,110.27	22.54	23.03	-96.71	193.67	-990.15	830.16	785.23	44.93	18.475	
6,400.00	6,383.38	6,312.48	6,205.54	22.89	23.40	-96.28	197.45	-1,011.05	851.03	805.37	45.66	18.639	
6,500.00	6,483.38	6,410.09	6,300.81	23.25	23.78	-95.87	201.24	-1,031.95	871.95	825.57	46.39	18.798	
6,600.00	6,583.38	6,507.69	6,396.07	23.60	24.16	-95.49	205.02	-1,052.84	892.91	845.80	47.11	18.953	
6,700.00	6,683.38	6,605.30	6,491.34	23.96	24.54	-95.12	208.81	-1,073.74	913.90	866.06	47.84	19.103	
6,800.00	6,783.38	6,702.90	6,586.61	24.32	24.91	-94.76	212.59	-1,094.64	934.94	886.37	48.57	19.250	
6,900.00	6,883.38	6,800.51	6,681.87	24.67	25.29	-94.43	216.37	-1,115.53	956.00	906.70	49.29	19.393	
7,000.00	6,983.38	6,898.11	6,777.14	25.03	25.67	-94.10	220.16	-1,136.43	977.09	927.07	50.02	19.533	
7,100.00	7,083.38	6,995.72	6,872.40	25.38	26.05	76.37	223.94	-1,157.32	998.20	947.45	50.75	19.669	
7,200.00	7,182.76	7,092.69	6,967.06	25.70	26.42	75.34	227.70	-1,178.09	1,017.06	965.62	51.44	19.772	
7,300.00	7,278.91	7,186.49	7,058.61	25.99	26.79	75.51	231.34	-1,198.17	1,032.14	980.04	52.11	19.808	
7,400.00	7,368.92	7,274.24	7,144.26	26.25	27.13	76.57	234.74	-1,216.96	1,044.40	991.67	52.74	19.805	
7,500.00	7,450.04	7,353.29	7,221.42	26.46	27.43	78.11	237.80	-1,233.88	1,055.39	1,002.07	53.31	19.797	
7,600.00	7,519.81	7,421.24	7,287.73	26.65	27.70	79.65	240.44	-1,248.43	1,066.99	1,013.16	53.82	19.823	
7,700.00	7,576.11	7,476.02	7,341.20	26.83	27.91	80.69	242.56	-1,260.15	1,081.11	1,026.84	54.27	19.922	
7,800.00	7,617.23	7,515.96	7,380.18	26.99	28.06	80.81	244.11	-1,268.70	1,099.31	1,044.68	54.62	20.125	
7,900.00	7,643.30	7,541.20	7,404.82	27.11	28.16	80.44	245.09	-1,274.11	1,122.70	1,067.80	54.90	20.449	
8,000.00	7,660.07	7,557.35	7,420.59	27.23	28.22	79.74	245.72	-1,277.57	1,152.45	1,097.32	55.13	20.903	
8,100.00	7,668.19	7,565.06	7,428.11	27.34	28.25	78.26	246.01	-1,279.22	1,188.33	1,133.01	55.32	21.482	
8,200.00	7,668.96	7,565.48	7,428.52	27.45	28.25	77.23	246.03	-1,279.31	1,230.44	1,174.98	55.46	22.186	
8,300.00	7,668.89	7,564.40	7,427.46	27.58	28.25	76.90	245.99	-1,279.08	1,281.46	1,225.87	55.60	23.050	
8,400.00	7,668.82	7,562.55	7,425.66	27.72	28.24	76.46	245.92	-1,278.68	1,340.73	1,285.01	55.72	24.061	
8,500.00	7,668.76	7,559.95	7,423.12	27.89	28.23	75.89	245.82	-1,278.12	1,407.13	1,351.30	55.84	25.201	
8,600.00	7,668.69	7,556.60	7,419.85	28.07	28.22	75.17	245.69	-1,277.41	1,479.63	1,423.70	55.93	26.453	
8,700.00	7,668.62	7,552.80	7,416.14	28.26	28.21	74.88	245.54	-1,276.59	1,556.46	1,500.44	56.02	27.785	
8,800.00	7,668.55	7,548.99	7,412.43	28.48	28.19	74.65	245.39	-1,275.78	1,635.80	1,579.71	56.09	29.163	
8,900.00	7,668.49	10,115.68	8,749.70	28.71	34.94	130.71	-1,181.13	-1,604.80	1,657.75	1,610.15	47.60	34.829	
9,000.00	7,668.42	10,215.67	8,749.70	28.96	35.18	130.73	-1,281.13	-1,604.47	1,657.06	1,608.99	48.07	34.474	
9,100.00	7,668.35	10,315.67	8,749.70	29.23	35.44	130.76	-1,381.12	-1,604.14	1,656.38	1,607.79	48.58	34.095	
9,200.00	7,668.29	10,415.67	8,749.70	29.51	35.70	130.78	-1,481.12	-1,603.80	1,655.69	1,606.55	49.14	33.693	
9,300.00	7,668.22	10,515.66	8,749.70	29.81	35.98	130.80	-1,581.11	-1,603.47	1,655.01	1,605.27	49.74	33.273	
9,400.00	7,668.15	10,615.66	8,749.70	30.13	36.26	130.83	-1,681.11	-1,603.14	1,654.32	1,603.94	50.38	32.837	
9,500.00	7,668.09	10,715.65	8,749.70	30.46	36.57	130.85	-1,781.10	-1,602.81	1,653.64	1,602.58	51.06	32.387	
9,600.00	7,668.02	10,815.65	8,749.70	30.81	36.88	130.88	-1,881.10	-1,602.48	1,652.95	1,601.18	51.77	31.926	
9,700.00	7,667.95	10,915.64	8,749.70	31.18	37.20	130.90	-1,981.09	-1,602.15	1,652.27	1,599.74	52.53	31.456	
9,800.00	7,667.89	11,015.64	8,749.70	31.56	37.54	130.92	-2,081.09	-1,601.81	1,651.58	1,598.27	53.31	30.979	
9,900.00	7,667.82	11,115.63	8,749.70	31.95	37.89	130.95	-2,181.08	-1,601.48	1,650.90	1,596.77	54.13	30.498	
10,000.00	7,667.75	11,215.63	8,749.70	32.35	38.25	130.97	-2,281.08	-1,601.15	1,650.22	1,595.24	54.98	30.014	
10,100.00	7,667.69	11,315.62	8,749.70	32.77	38.61	130.99	-2,381.07	-1,600.82	1,649.54	1,593.67	55.86	29.528	
10,200.00	7,667.62	11,415.62	8,749.70	33.20	39.00	131.02	-2,481.07	-1,600.49	1,648.85	1,592.08	56.77	29.043	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 13H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,667.55	11,515.61	8,749.70	33.64	39.39	131.04	-2,581.06	-1,600.16	1,648.17	1,590.46	57.71	28.560	
10,400.00	7,667.48	11,615.61	8,749.70	34.10	39.79	131.06	-2,681.06	-1,599.83	1,647.49	1,588.82	58.67	28.080	
10,500.00	7,667.42	11,715.61	8,749.70	34.56	40.20	131.09	-2,781.05	-1,599.49	1,646.81	1,587.15	59.66	27.604	
10,600.00	7,667.35	11,815.60	8,749.70	35.04	40.62	131.11	-2,881.05	-1,599.16	1,646.13	1,585.46	60.67	27.133	
10,700.00	7,667.28	11,915.60	8,749.70	35.52	41.05	131.14	-2,981.04	-1,598.83	1,645.44	1,583.74	61.70	26.668	
10,800.00	7,667.22	12,015.59	8,749.70	36.02	41.49	131.16	-3,081.04	-1,598.50	1,644.76	1,582.01	62.76	26.209	
10,900.00	7,667.15	12,115.59	8,749.70	36.52	41.94	131.18	-3,181.03	-1,598.17	1,644.08	1,580.25	63.83	25.757	
11,000.00	7,667.08	12,215.58	8,749.70	37.04	42.40	131.21	-3,281.03	-1,597.84	1,643.40	1,578.48	64.92	25.313	
11,100.00	7,667.02	12,315.58	8,749.70	37.56	42.86	131.23	-3,381.02	-1,597.50	1,642.72	1,576.69	66.04	24.876	
11,200.00	7,666.95	12,415.57	8,749.70	38.09	43.34	131.26	-3,481.02	-1,597.17	1,642.04	1,574.88	67.16	24.448	
11,300.00	7,666.88	12,515.57	8,749.70	38.63	43.82	131.28	-3,581.01	-1,596.84	1,641.36	1,573.05	68.31	24.028	
11,400.00	7,666.82	12,615.56	8,749.70	39.17	44.31	131.30	-3,681.00	-1,596.51	1,640.68	1,571.21	69.47	23.616	
11,500.00	7,666.75	12,715.56	8,749.70	39.72	44.81	131.33	-3,781.00	-1,596.18	1,640.01	1,569.36	70.65	23.213	
11,600.00	7,666.68	12,815.55	8,749.70	40.28	45.31	131.35	-3,880.99	-1,595.85	1,639.33	1,567.49	71.84	22.819	
11,700.00	7,666.62	12,915.55	8,749.70	40.85	45.83	131.37	-3,980.99	-1,595.51	1,638.65	1,565.60	73.04	22.433	
11,800.00	7,666.55	13,015.54	8,749.70	41.42	46.35	131.40	-4,080.98	-1,595.18	1,637.97	1,563.71	74.26	22.057	
11,900.00	7,666.48	13,115.54	8,749.70	42.00	46.87	131.42	-4,180.98	-1,594.85	1,637.29	1,561.80	75.49	21.688	
12,000.00	7,666.41	13,215.54	8,749.70	42.58	47.40	131.45	-4,280.97	-1,594.52	1,636.62	1,559.88	76.73	21.329	
12,083.77	7,666.36	13,299.31	8,749.70	43.08	47.85	131.45	-4,364.75	-1,594.24	1,636.44	1,558.66	77.78	21.038	
12,100.00	7,666.35	13,315.53	8,749.70	43.17	47.94	131.46	-4,380.97	-1,594.19	1,636.18	1,558.19	77.99	20.980	
12,200.00	7,666.28	13,415.50	8,749.70	43.77	48.49	131.43	-4,480.94	-1,593.86	1,637.93	1,558.66	79.27	20.663	
12,300.00	7,666.21	13,515.33	8,749.70	44.37	49.04	131.36	-4,580.77	-1,593.53	1,642.30	1,561.73	80.58	20.382	
12,400.00	7,666.14	13,615.03	8,749.70	44.97	49.59	131.19	-4,680.47	-1,593.19	1,648.18	1,566.28	81.90	20.124	
12,500.00	7,666.07	13,714.73	8,749.70	45.58	50.15	131.01	-4,780.16	-1,592.86	1,654.08	1,570.85	83.23	19.873	
12,600.00	7,666.00	13,814.43	8,749.70	46.20	50.71	130.84	-4,879.86	-1,592.53	1,660.00	1,575.43	84.57	19.629	
12,700.00	7,665.93	13,898.19	8,749.70	46.82	51.19	130.68	-4,963.62	-1,592.73	1,666.36	1,580.51	85.85	19.409	
12,800.00	7,665.86	13,997.81	8,749.70	47.44	51.76	130.46	-5,063.24	-1,593.65	1,673.02	1,585.82	87.21	19.184	
12,900.00	7,665.79	14,097.64	8,749.70	48.07	52.34	130.27	-5,163.06	-1,594.58	1,677.48	1,588.92	88.56	18.943	
13,000.00	7,665.72	14,197.60	8,749.70	48.70	52.93	130.20	-5,263.02	-1,595.51	1,679.28	1,589.39	89.89	18.681	
13,100.00	7,665.65	14,297.59	8,749.70	49.34	53.52	130.24	-5,363.01	-1,596.43	1,678.41	1,587.19	91.22	18.399	
13,200.00	7,665.58	14,397.48	8,749.70	49.98	54.11	130.40	-5,462.89	-1,597.36	1,674.89	1,582.35	92.54	18.098	
13,300.00	7,665.51	14,497.17	8,749.70	50.61	54.71	130.62	-5,562.57	-1,598.28	1,668.96	1,575.11	93.85	17.783	
13,400.00	7,665.44	14,596.81	8,749.70	51.25	55.31	130.81	-5,662.21	-1,599.21	1,662.62	1,567.45	95.17	17.470	
13,500.00	7,665.37	14,696.46	8,749.70	51.89	55.92	131.00	-5,761.86	-1,600.13	1,656.29	1,559.80	96.49	17.165	
13,600.00	7,665.30	14,796.10	8,749.70	52.54	56.53	131.19	-5,861.50	-1,601.06	1,649.98	1,552.16	97.82	16.867	
13,700.00	7,665.23	14,895.75	8,749.70	53.19	57.14	131.39	-5,961.14	-1,601.98	1,643.69	1,544.53	99.16	16.576	
13,800.00	7,665.16	14,995.50	8,749.70	53.84	57.75	131.48	-6,060.89	-1,602.91	1,638.55	1,538.03	100.51	16.302	
13,900.00	7,665.09	15,095.44	8,749.70	54.50	58.37	131.53	-6,160.82	-1,603.83	1,636.01	1,534.13	101.88	16.058	
13,982.21	7,665.04	15,177.64	8,749.70	55.04	58.89	131.54	-6,243.02	-1,604.60	1,635.51	1,532.48	103.02	15.875	
14,000.00	7,665.03	15,195.44	8,749.70	55.16	59.00	131.53	-6,260.81	-1,604.76	1,635.85	1,532.58	103.27	15.840	
14,100.00	7,664.96	15,295.43	8,749.70	55.83	59.63	131.53	-6,360.81	-1,605.69	1,636.11	1,531.45	104.67	15.631	
14,200.00	7,664.90	15,395.43	8,749.70	56.49	60.26	131.52	-6,460.80	-1,606.62	1,636.38	1,530.31	106.07	15.428	
14,300.00	7,664.83	15,495.43	8,749.70	57.16	60.89	131.52	-6,560.80	-1,607.55	1,636.65	1,529.17	107.47	15.228	
14,400.00	7,664.76	15,595.43	8,749.70	57.84	61.53	131.51	-6,660.79	-1,608.47	1,636.91	1,528.03	108.88	15.034	
14,500.00	7,664.70	15,695.43	8,749.70	58.51	62.17	131.51	-6,760.79	-1,609.40	1,637.18	1,526.88	110.29	14.844	
14,600.00	7,664.63	15,795.43	8,749.70	59.19	62.81	131.50	-6,860.78	-1,610.33	1,637.44	1,525.73	111.71	14.658	
14,700.00	7,664.56	15,895.43	8,749.70	59.87	63.46	131.50	-6,960.78	-1,611.26	1,637.71	1,524.58	113.13	14.476	
14,800.00	7,664.50	15,995.43	8,749.70	60.55	64.10	131.49	-7,060.77	-1,612.18	1,637.97	1,523.42	114.55	14.299	
14,900.00	7,664.43	16,095.43	8,749.70	61.24	64.75	131.49	-7,160.77	-1,613.11	1,638.24	1,522.26	115.98	14.125	
15,000.00	7,664.37	16,195.43	8,749.70	61.92	65.41	131.48	-7,260.77	-1,614.04	1,638.51	1,521.10	117.41	13.956	
15,100.00	7,664.30	16,295.43	8,749.70	62.61	66.06	131.48	-7,360.76	-1,614.97	1,638.77	1,519.93	118.84	13.790	
15,200.00	7,664.23	16,395.43	8,749.70	63.30	66.72	131.47	-7,460.76	-1,615.89	1,639.04	1,518.76	120.27	13.628	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 13H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	7,664.17	16,494.56	8,749.70	63.99	67.37	131.47	-7,559.88	-1,616.82	1,639.31	1,517.60	121.71	13.469	
15,400.00	7,664.10	16,594.56	8,749.70	64.68	68.03	131.46	-7,659.87	-1,617.82	1,639.63	1,516.48	123.15	13.314	
15,500.00	7,664.03	16,694.56	8,749.70	65.37	68.70	131.45	-7,759.87	-1,618.82	1,639.95	1,515.36	124.59	13.163	
15,600.00	7,663.97	16,794.55	8,749.70	66.07	69.36	131.45	-7,859.86	-1,619.81	1,640.26	1,514.23	126.04	13.014	
15,700.00	7,663.90	16,894.55	8,749.70	66.77	70.03	131.44	-7,959.86	-1,620.81	1,640.58	1,513.10	127.48	12.869	
15,800.00	7,663.83	16,994.55	8,749.70	67.47	70.70	131.43	-8,059.85	-1,621.81	1,640.90	1,511.97	128.93	12.727	
15,900.00	7,663.77	17,094.55	8,749.70	68.17	71.37	131.43	-8,159.84	-1,622.81	1,641.22	1,510.84	130.39	12.587	
16,000.00	7,663.70	17,194.55	8,749.70	68.87	72.05	131.42	-8,259.84	-1,623.81	1,641.54	1,509.70	131.84	12.451	
16,100.00	7,663.64	17,294.55	8,749.70	69.57	72.72	131.41	-8,359.83	-1,624.81	1,641.86	1,508.56	133.30	12.317	
16,200.00	7,663.57	17,394.55	8,749.70	70.27	73.40	131.41	-8,459.83	-1,625.81	1,642.18	1,507.43	134.75	12.186	
16,300.00	7,663.50	17,494.55	8,749.70	70.98	74.08	131.40	-8,559.82	-1,626.80	1,642.50	1,506.28	136.22	12.058	
16,400.00	7,663.44	17,594.55	8,749.70	71.69	74.76	131.39	-8,659.82	-1,627.80	1,642.82	1,505.14	137.68	11.932	
16,500.00	7,663.37	17,694.55	8,749.70	72.39	75.44	131.39	-8,759.81	-1,628.80	1,643.14	1,504.00	139.14	11.809	
16,600.00	7,663.30	17,794.55	8,749.70	73.10	76.12	131.38	-8,859.80	-1,629.80	1,643.46	1,502.85	140.61	11.688	
16,700.00	7,663.24	17,894.55	8,749.70	73.81	76.81	131.37	-8,959.80	-1,630.80	1,643.78	1,501.70	142.08	11.570	
16,800.00	7,663.17	17,994.55	8,749.70	74.52	77.50	131.37	-9,059.79	-1,631.80	1,644.10	1,500.55	143.54	11.454	
16,900.00	7,663.11	18,094.55	8,749.70	75.23	78.18	131.36	-9,159.79	-1,632.80	1,644.42	1,499.40	145.02	11.340	
17,000.00	7,663.04	18,194.54	8,749.70	75.95	78.87	131.35	-9,259.78	-1,633.80	1,644.73	1,498.25	146.49	11.228	
17,100.00	7,662.97	18,294.54	8,749.70	76.66	79.56	131.35	-9,359.78	-1,634.79	1,645.05	1,497.09	147.96	11.118	
17,200.00	7,662.91	18,394.54	8,749.70	77.38	80.26	131.34	-9,459.77	-1,635.79	1,645.37	1,495.94	149.44	11.010	
17,300.00	7,662.84	18,494.54	8,749.70	78.09	80.95	131.33	-9,559.76	-1,636.79	1,645.69	1,494.78	150.91	10.905	
17,400.00	7,662.77	18,594.54	8,749.70	78.81	81.64	131.33	-9,659.76	-1,637.79	1,646.01	1,493.62	152.39	10.801	
17,500.00	7,662.71	18,694.54	8,749.70	79.53	82.34	131.32	-9,759.75	-1,638.79	1,646.33	1,492.46	153.87	10.699	
17,600.00	7,662.64	18,794.54	8,749.70	80.24	83.04	131.31	-9,859.75	-1,639.79	1,646.65	1,491.30	155.35	10.599	
17,700.00	7,662.58	18,894.54	8,749.70	80.96	83.73	131.31	-9,959.74	-1,640.79	1,646.97	1,490.14	156.84	10.501	
17,800.00	7,662.51	18,994.54	8,749.70	81.68	84.43	131.30	-10,059.74	-1,641.78	1,647.29	1,488.97	158.32	10.405	
17,900.00	7,662.44	19,094.54	8,749.70	82.41	85.13	131.29	-10,159.73	-1,642.78	1,647.61	1,487.81	159.80	10.310	
18,000.00	7,662.38	19,191.49	8,749.70	83.13	85.81	131.28	-10,256.68	-1,643.92	1,648.06	1,486.78	161.27	10.219	
18,100.00	7,662.31	19,291.49	8,749.70	83.85	86.52	131.27	-10,356.67	-1,645.16	1,648.56	1,485.80	162.76	10.129	
18,200.00	7,662.24	19,391.49	8,749.70	84.57	87.22	131.26	-10,456.66	-1,646.41	1,649.07	1,484.82	164.25	10.040	
18,300.00	7,662.18	19,491.49	8,749.70	85.30	87.92	131.25	-10,556.65	-1,647.65	1,649.57	1,483.83	165.74	9.953	
18,400.00	7,662.11	19,591.48	8,749.70	86.02	88.63	131.23	-10,656.64	-1,648.90	1,650.08	1,482.85	167.23	9.867	
18,500.00	7,662.04	19,691.48	8,749.70	86.75	89.34	131.22	-10,756.63	-1,650.14	1,650.58	1,481.86	168.72	9.783	
18,600.00	7,661.98	19,791.48	8,749.70	87.47	90.04	131.21	-10,856.62	-1,651.39	1,651.09	1,480.87	170.21	9.700	
18,700.00	7,661.91	19,891.48	8,749.70	88.20	90.75	131.20	-10,956.61	-1,652.63	1,651.59	1,479.89	171.71	9.619	
18,800.00	7,661.85	19,991.48	8,749.70	88.93	91.46	131.18	-11,056.60	-1,653.87	1,652.10	1,478.90	173.20	9.539	
18,900.00	7,661.78	20,091.47	8,749.70	89.65	92.17	131.17	-11,156.59	-1,655.12	1,652.60	1,477.91	174.69	9.460	
19,000.00	7,661.71	20,191.47	8,749.70	90.38	92.88	131.16	-11,256.58	-1,656.36	1,653.11	1,476.92	176.19	9.383	
19,100.00	7,661.65	20,291.47	8,749.70	91.11	93.59	131.15	-11,356.57	-1,657.61	1,653.61	1,475.93	177.69	9.306	
19,200.00	7,661.58	20,391.47	8,749.70	91.84	94.31	131.13	-11,456.56	-1,658.85	1,654.12	1,474.93	179.18	9.231	
19,300.00	7,661.51	20,491.47	8,749.70	92.57	95.02	131.12	-11,556.55	-1,660.10	1,654.62	1,473.94	180.68	9.158	
19,400.00	7,661.45	20,591.47	8,749.70	93.30	95.73	131.11	-11,656.54	-1,661.34	1,655.13	1,472.95	182.18	9.085	
19,500.00	7,661.38	20,691.46	8,749.70	94.03	96.45	131.10	-11,756.53	-1,662.59	1,655.64	1,471.95	183.68	9.014	
19,600.00	7,661.32	20,791.46	8,749.70	94.77	97.16	131.09	-11,856.52	-1,663.83	1,656.14	1,470.96	185.18	8.943	
19,700.00	7,661.25	20,891.46	8,749.70	95.50	97.88	131.07	-11,956.51	-1,665.08	1,656.65	1,469.96	186.68	8.874	
19,800.00	7,661.18	20,991.46	8,749.70	96.23	98.60	131.06	-12,056.50	-1,666.32	1,657.15	1,468.97	188.18	8.806	
19,900.00	7,661.12	21,091.46	8,749.70	96.96	99.32	131.05	-12,156.49	-1,667.56	1,657.66	1,467.97	189.69	8.739	
20,000.00	7,661.05	21,191.45	8,749.70	97.70	100.03	131.04	-12,256.48	-1,668.81	1,658.16	1,466.97	191.19	8.673	
20,100.00	7,660.98	21,291.45	8,749.70	98.43	100.75	131.02	-12,356.47	-1,670.05	1,658.67	1,465.98	192.69	8.608	
20,200.00	7,660.92	21,391.45	8,749.70	99.17	101.47	131.01	-12,456.46	-1,671.30	1,659.18	1,464.98	194.20	8.544	
20,300.00	7,660.85	21,491.45	8,749.70	99.90	102.19	131.00	-12,556.46	-1,672.54	1,659.68	1,463.98	195.70	8.481	
20,400.00	7,660.78	21,591.45	8,749.70	100.64	102.91	130.99	-12,656.45	-1,673.79	1,660.19	1,462.98	197.21	8.418	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 13H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,500.00	7,660.72	21,691.44	8,749.70	101.37	103.64	130.98	-12,756.44	-1,675.03	1,660.70	1,461.98	198.72	8.357	
20,600.00	7,660.65	21,791.44	8,749.70	102.11	104.36	130.96	-12,856.43	-1,676.28	1,661.20	1,460.98	200.22	8.297	
20,700.00	7,660.59	21,891.44	8,749.70	102.85	105.08	130.95	-12,956.42	-1,677.52	1,661.71	1,459.98	201.73	8.237	
20,800.00	7,660.52	21,991.44	8,749.70	103.58	105.80	130.94	-13,056.41	-1,678.77	1,662.22	1,458.98	203.24	8.179	
20,900.00	7,660.45	22,091.44	8,749.70	104.32	106.53	130.93	-13,156.40	-1,680.01	1,662.72	1,457.97	204.75	8.121	
21,000.00	7,660.39	22,191.43	8,749.70	105.06	107.25	130.92	-13,256.39	-1,681.26	1,663.23	1,456.97	206.26	8.064	
21,100.00	7,660.32	22,291.43	8,749.70	105.80	107.98	130.90	-13,356.38	-1,682.50	1,663.74	1,455.97	207.77	8.008	
21,200.00	7,660.25	22,391.43	8,749.70	106.54	108.70	130.89	-13,456.37	-1,683.74	1,664.24	1,454.96	209.28	7.952	
21,300.00	7,660.19	22,491.43	8,749.70	107.28	109.43	130.88	-13,556.36	-1,684.99	1,664.75	1,453.96	210.79	7.898	
21,400.00	7,660.12	22,591.43	8,749.70	108.02	110.16	130.87	-13,656.35	-1,686.23	1,665.26	1,452.96	212.30	7.844	
21,500.00	7,660.06	22,691.43	8,749.70	108.76	110.88	130.85	-13,756.34	-1,687.48	1,665.76	1,451.95	213.81	7.791	
21,600.00	7,659.99	22,791.42	8,749.70	109.50	111.61	130.84	-13,856.33	-1,688.72	1,666.27	1,450.95	215.32	7.738	
21,700.00	7,659.92	22,891.42	8,749.70	110.24	112.34	130.83	-13,956.32	-1,689.97	1,666.78	1,449.94	216.84	7.687	
21,800.00	7,659.86	22,991.42	8,749.70	110.98	113.07	130.82	-14,056.31	-1,691.21	1,667.29	1,448.94	218.35	7.636	
21,900.00	7,659.79	23,091.42	8,749.70	111.72	113.80	130.81	-14,156.30	-1,692.46	1,667.79	1,447.93	219.86	7.586	
22,000.00	7,659.72	23,191.42	8,749.70	112.46	114.53	130.79	-14,256.29	-1,693.70	1,668.30	1,446.92	221.38	7.536	
22,100.00	7,659.66	23,291.41	8,749.70	113.20	115.26	130.78	-14,356.28	-1,694.95	1,668.81	1,445.92	222.89	7.487	
22,200.00	7,659.59	23,391.41	8,749.70	113.94	115.99	130.77	-14,456.27	-1,696.19	1,669.32	1,444.91	224.41	7.439	
22,300.00	7,659.53	23,491.41	8,749.70	114.69	116.72	130.76	-14,556.26	-1,697.44	1,669.82	1,443.90	225.92	7.391	
22,400.00	7,659.46	23,591.41	8,749.70	115.43	117.45	130.75	-14,656.25	-1,698.68	1,670.33	1,442.89	227.44	7.344	
22,500.00	7,659.39	23,691.41	8,749.70	116.17	118.18	130.73	-14,756.24	-1,699.92	1,670.84	1,441.89	228.95	7.298	
22,600.00	7,659.33	23,791.40	8,749.70	116.91	118.91	130.72	-14,856.23	-1,701.17	1,671.35	1,440.88	230.47	7.252	
22,700.00	7,659.26	23,891.40	8,749.70	117.66	119.64	130.71	-14,956.22	-1,702.41	1,671.86	1,439.87	231.99	7.207	
22,800.00	7,659.19	23,991.40	8,749.70	118.40	120.38	130.70	-15,056.21	-1,703.66	1,672.36	1,438.86	233.50	7.162	
22,900.00	7,659.13	24,091.40	8,749.70	119.15	121.11	130.69	-15,156.20	-1,704.90	1,672.87	1,437.85	235.02	7.118	
23,000.00	7,659.06	24,191.40	8,749.70	119.89	121.84	130.67	-15,256.19	-1,706.15	1,673.38	1,436.84	236.54	7.074	
23,091.89	7,659.00	24,283.29	8,749.70	120.57	122.52	130.66	-15,348.08	-1,707.29	1,673.85	1,435.91	237.93	7.035	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 14H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.20	0.00	0.00	0.00	-19.07	119.52	-41.32	126.46				
100.00	100.00	100.20	100.00	0.28	0.28	-19.07	119.52	-41.32	126.46	125.91	0.55	228.779	
200.00	200.00	200.20	200.00	0.63	0.64	-19.07	119.52	-41.32	126.46	125.19	1.27	99.599	
300.00	300.00	300.20	300.00	0.99	0.99	-19.07	119.52	-41.32	126.46	124.47	1.99	63.655	
400.00	400.00	400.20	400.00	1.35	1.35	-19.07	119.52	-41.32	126.46	123.76	2.70	46.775	
500.00	500.00	500.20	500.00	1.71	1.71	-19.07	119.52	-41.32	126.46	123.04	3.42	36.971	
600.00	600.00	600.20	600.00	2.07	2.07	-19.07	119.52	-41.32	126.46	122.32	4.14	30.565	
700.00	700.00	700.20	700.00	2.43	2.43	-19.07	119.52	-41.32	126.46	121.61	4.85	26.051	
800.00	800.00	800.20	800.00	2.79	2.79	-19.07	119.52	-41.32	126.46	120.89	5.57	22.698	
900.00	900.00	900.20	900.00	3.14	3.14	-19.07	119.52	-41.32	126.46	120.17	6.29	20.110	
916.60	916.60	916.80	916.60	3.20	3.20	-19.07	119.52	-41.32	126.46	120.05	6.41	19.737	CC
1,000.00	1,000.00	1,000.00	999.80	3.50	3.50	-19.07	119.52	-41.32	126.46	119.46	7.00	18.054	
1,100.00	1,100.00	1,099.21	1,099.00	3.86	3.85	-19.42	119.63	-42.17	126.85	119.14	7.71	16.451	ES
1,200.00	1,200.00	1,198.15	1,197.92	4.22	4.19	-20.44	119.98	-44.72	128.05	119.64	8.41	15.225	
1,300.00	1,300.00	1,296.99	1,296.65	4.58	4.54	-22.10	120.54	-48.95	130.14	121.03	9.11	14.282	
1,400.00	1,400.00	1,395.64	1,395.13	4.94	4.88	-24.33	121.33	-54.85	133.25	123.43	9.81	13.578	
1,500.00	1,500.00	1,494.06	1,493.25	5.29	5.23	-27.03	122.35	-62.42	137.52	127.00	10.51	13.079	
1,600.00	1,600.00	1,592.19	1,590.93	5.65	5.58	-30.10	123.58	-71.62	143.12	131.91	11.21	12.764	
1,700.00	1,700.00	1,689.97	1,688.10	6.01	5.92	-33.40	125.03	-82.45	150.24	138.33	11.91	12.616	
1,800.00	1,800.00	1,787.35	1,784.67	6.37	6.27	-36.82	126.69	-94.85	159.01	146.41	12.60	12.620	
1,900.00	1,900.00	1,884.27	1,880.56	6.73	6.62	-40.24	128.57	-108.82	169.55	156.27	13.29	12.762	
2,000.00	2,000.00	1,981.42	1,976.45	7.09	6.97	-43.58	130.65	-124.35	181.90	167.92	13.97	13.016	
2,100.00	2,099.98	2,080.22	2,073.88	7.44	7.33	-14.18	132.82	-140.53	193.44	178.76	14.68	13.179	
2,200.00	2,199.84	2,179.26	2,171.56	7.80	7.69	-17.21	134.99	-156.75	202.18	186.79	15.38	13.143	
2,300.00	2,299.46	2,278.43	2,269.37	8.16	8.05	-20.31	137.17	-172.99	208.22	192.13	16.09	12.942	
2,400.00	2,398.96	2,377.63	2,367.20	8.51	8.42	-23.40	139.34	-189.23	213.67	196.87	16.80	12.720	
2,500.00	2,498.46	2,476.82	2,465.04	8.87	8.78	-26.33	141.52	-205.48	219.71	202.20	17.51	12.549	
2,600.00	2,597.96	2,576.02	2,562.87	9.23	9.14	-29.10	143.70	-221.72	226.30	208.08	18.22	12.420	
2,700.00	2,697.46	2,675.22	2,660.70	9.58	9.51	-31.70	145.87	-237.97	233.39	214.46	18.94	12.326	
2,800.00	2,796.96	2,774.41	2,758.53	9.94	9.88	-34.15	148.05	-254.21	240.94	221.29	19.65	12.261	
2,900.00	2,896.47	2,873.61	2,856.37	10.30	10.24	-36.45	150.23	-270.46	248.91	228.54	20.37	12.220	
3,000.00	2,995.97	2,972.80	2,954.20	10.66	10.61	-38.60	152.41	-286.70	257.24	236.16	21.09	12.199	
3,100.00	3,095.47	3,072.00	3,052.03	11.02	10.98	-40.62	154.58	-302.95	265.93	244.12	21.81	12.195	
3,200.00	3,194.97	3,171.19	3,149.86	11.38	11.35	-42.51	156.76	-319.19	274.91	252.39	22.53	12.205	
3,300.00	3,294.47	3,270.39	3,247.70	11.74	11.71	-44.27	158.94	-335.43	284.18	260.94	23.25	12.225	
3,400.00	3,393.97	3,369.59	3,345.53	12.10	12.08	-45.93	161.11	-351.68	293.70	269.74	23.97	12.254	
3,500.00	3,493.48	3,468.78	3,443.36	12.46	12.45	-47.48	163.29	-367.92	303.45	278.76	24.69	12.291	
3,600.00	3,592.98	3,567.98	3,541.19	12.82	12.82	-48.93	165.47	-384.17	313.41	288.00	25.41	12.333	
3,700.00	3,692.48	3,667.17	3,639.03	13.18	13.19	-50.30	167.65	-400.41	323.56	297.42	26.14	12.380	
3,800.00	3,791.98	3,766.37	3,736.86	13.54	13.56	-51.58	169.82	-416.66	333.88	307.02	26.86	12.431	
3,900.00	3,891.48	3,865.57	3,834.69	13.90	13.93	-52.78	172.00	-432.90	344.35	316.77	27.58	12.484	
4,000.00	3,990.98	3,964.76	3,932.52	14.26	14.30	-53.91	174.18	-449.15	354.97	326.66	28.31	12.540	
4,100.00	4,090.49	4,063.96	4,030.36	14.62	14.67	-54.98	176.35	-465.39	365.71	336.68	29.03	12.597	
4,200.00	4,189.99	4,163.15	4,128.19	14.98	15.04	-55.99	178.53	-481.64	376.58	346.82	29.76	12.655	
4,300.00	4,289.49	4,262.35	4,226.02	15.35	15.41	-56.94	180.71	-497.88	387.55	357.07	30.48	12.714	
4,400.00	4,388.99	4,361.55	4,323.85	15.71	15.78	-57.83	182.89	-514.13	398.63	367.42	31.21	12.773	
4,500.00	4,488.49	4,460.74	4,421.69	16.07	16.15	-58.68	185.06	-530.37	409.79	377.85	31.94	12.832	
4,600.00	4,587.99	4,559.94	4,519.52	16.43	16.52	-59.48	187.24	-546.62	421.04	388.38	32.66	12.891	
4,700.00	4,687.50	4,659.13	4,617.35	16.79	16.90	-60.25	189.42	-562.86	432.37	398.98	33.39	12.950	
4,800.00	4,787.00	4,758.33	4,715.18	17.16	17.27	-60.97	191.59	-579.11	443.76	409.65	34.11	13.008	
4,900.00	4,886.50	4,857.53	4,813.02	17.52	17.64	-61.66	193.77	-595.35	455.23	420.39	34.84	13.066	
5,000.00	4,986.00	4,956.72	4,910.85	17.88	18.01	-62.31	195.95	-611.60	466.76	431.19	35.57	13.123	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 14H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,055.92	5,008.68	18.24	18.38	-62.93	198.13	-627.84	478.34	442.04	36.30	13.179	
5,200.00	5,185.00	5,155.11	5,106.51	18.61	18.75	-63.52	200.30	-644.09	489.98	452.95	37.02	13.234	
5,300.00	5,284.51	5,254.31	5,204.35	18.97	19.13	-64.09	202.48	-660.33	501.66	463.91	37.75	13.289	
5,400.00	5,384.01	5,353.51	5,302.18	19.33	19.50	-64.63	204.66	-676.58	513.39	474.92	38.48	13.342	
5,500.00	5,483.59	5,452.69	5,400.00	19.69	19.87	-65.21	206.83	-692.82	525.52	486.32	39.21	13.404	
5,600.00	5,583.41	5,551.76	5,497.71	20.05	20.24	-65.55	209.01	-709.04	539.05	499.11	39.93	13.499	
5,700.00	5,683.38	5,650.60	5,595.19	20.41	20.61	-65.57	211.18	-725.23	554.01	513.35	40.66	13.626	
5,800.00	5,783.38	5,749.23	5,692.47	20.76	20.98	-97.68	213.34	-741.38	569.92	528.54	41.38	13.773	
5,900.00	5,883.38	5,847.86	5,789.74	21.12	21.35	-97.25	215.51	-757.53	585.89	543.79	42.10	13.917	
6,000.00	5,983.38	5,946.49	5,887.01	21.47	21.72	-96.85	217.67	-773.68	601.89	559.07	42.82	14.056	
6,100.00	6,083.38	6,045.11	5,984.28	21.83	22.09	-96.46	219.84	-789.84	617.91	574.37	43.54	14.191	
6,200.00	6,183.38	6,143.74	6,081.55	22.18	22.46	-96.10	222.00	-805.99	633.96	589.70	44.27	14.322	
6,300.00	6,283.38	6,242.36	6,178.82	22.54	22.83	-95.76	224.17	-822.14	650.04	605.05	44.99	14.449	
6,400.00	6,383.38	6,340.99	6,276.09	22.89	23.20	-95.43	226.33	-838.29	666.13	620.42	45.71	14.573	
6,500.00	6,483.38	6,439.61	6,373.36	23.25	23.57	-95.11	228.49	-854.44	682.25	635.82	46.43	14.693	
6,600.00	6,583.38	6,538.24	6,470.63	23.60	23.94	-94.81	230.66	-870.59	698.39	651.23	47.16	14.810	
6,700.00	6,683.38	6,636.86	6,567.90	23.96	24.32	-94.53	232.82	-886.74	714.54	666.66	47.88	14.924	
6,800.00	6,783.38	6,735.49	6,665.17	24.32	24.69	-94.26	234.99	-902.90	730.71	682.11	48.60	15.035	
6,900.00	6,883.38	6,834.11	6,762.44	24.67	25.06	-93.99	237.15	-919.05	746.89	697.57	49.32	15.142	
7,000.00	6,983.38	6,932.74	6,859.71	25.03	25.43	-93.74	239.32	-935.20	763.09	713.05	50.05	15.247	
7,100.00	7,083.38	7,031.37	6,956.98	25.38	25.80	76.69	241.48	-951.35	779.30	728.53	50.77	15.349	
7,200.00	7,182.76	7,129.44	7,053.70	25.70	26.17	76.24	243.64	-967.41	793.29	741.83	51.46	15.416	
7,300.00	7,278.91	7,224.43	7,147.39	25.99	26.52	77.20	245.72	-982.97	803.80	751.68	52.12	15.421	
7,400.00	7,368.92	7,313.46	7,235.19	26.25	26.86	79.20	247.67	-997.55	812.23	759.48	52.75	15.397	
7,500.00	7,450.04	7,393.81	7,314.44	26.46	27.16	81.68	249.44	-1,010.70	820.74	767.41	53.33	15.390	
7,600.00	7,519.81	7,463.05	7,382.73	26.65	27.42	84.01	250.96	-1,022.04	831.92	778.08	53.84	15.451	
7,700.00	7,576.11	7,519.07	7,437.97	26.83	27.63	85.54	252.19	-1,031.22	848.29	794.01	54.28	15.628	
7,800.00	7,617.23	7,560.17	7,478.51	26.99	27.79	85.67	253.09	-1,037.95	871.76	817.13	54.63	15.957	
7,900.00	7,643.30	7,586.45	7,504.43	27.11	27.89	85.08	253.67	-1,042.25	903.32	848.42	54.89	16.456	
8,000.00	7,660.07	7,603.58	7,521.33	27.23	27.95	84.05	254.04	-1,045.06	943.22	888.12	55.09	17.120	
8,100.00	7,668.19	7,612.18	7,529.81	27.34	27.98	81.95	254.23	-1,046.47	990.67	935.43	55.24	17.933	
8,200.00	7,668.96	7,613.44	7,531.06	27.45	27.99	80.58	254.26	-1,046.67	1,045.15	989.81	55.34	18.887	
8,300.00	7,668.89	7,613.36	7,530.97	27.58	27.99	80.30	254.26	-1,046.66	1,108.28	1,052.85	55.43	19.996	
8,400.00	7,668.82	7,612.70	7,530.32	27.72	27.98	79.91	254.24	-1,046.55	1,178.93	1,123.43	55.50	21.242	
8,500.00	7,668.76	7,611.47	7,529.10	27.89	27.98	79.38	254.21	-1,046.35	1,255.75	1,200.19	55.56	22.600	
8,600.00	7,668.69	7,609.66	7,527.32	28.07	27.97	78.70	254.17	-1,046.05	1,337.60	1,281.99	55.62	24.050	
8,700.00	7,668.62	7,607.50	7,525.19	28.26	27.97	78.46	254.13	-1,045.70	1,422.84	1,367.18	55.66	25.563	
8,800.00	7,668.55	7,605.34	7,523.07	28.48	27.96	78.29	254.08	-1,045.35	1,509.89	1,454.20	55.70	27.109	
8,900.00	7,668.49	7,603.19	7,520.94	28.71	27.95	78.12	254.03	-1,044.99	1,598.46	1,542.73	55.73	28.682	
9,000.00	7,668.42	7,601.03	7,518.81	28.96	27.94	77.95	253.99	-1,044.64	1,688.30	1,632.54	55.76	30.278	
9,100.00	7,668.35	7,598.87	7,516.68	29.23	27.93	77.78	253.94	-1,044.29	1,779.23	1,723.44	55.79	31.892	
9,200.00	7,668.29	7,596.72	7,514.56	29.51	27.92	77.61	253.89	-1,043.93	1,871.08	1,815.26	55.81	33.523	
9,300.00	7,668.22	7,594.56	7,512.43	29.81	27.92	77.43	253.84	-1,043.58	1,963.72	1,907.88	55.84	35.167	
9,400.00	7,668.15	7,592.40	7,510.30	30.13	27.91	77.26	253.80	-1,043.23	2,057.05	2,001.18	55.86	36.822	
9,500.00	7,668.09	11,241.33	9,297.83	30.46	38.44	142.05	-1,768.80	-1,622.80	2,066.68	2,017.93	48.74	42.401	
9,600.00	7,668.02	11,341.33	9,297.84	30.81	38.75	142.05	-1,868.80	-1,623.42	2,066.74	2,017.17	49.57	41.695	
9,700.00	7,667.95	11,441.33	9,297.86	31.18	39.06	142.06	-1,968.80	-1,624.05	2,066.79	2,016.37	50.43	40.984	
9,800.00	7,667.89	11,541.33	9,297.87	31.56	39.39	142.06	-2,068.80	-1,624.67	2,066.85	2,015.53	51.32	40.272	
9,900.00	7,667.82	11,641.33	9,297.89	31.95	39.73	142.06	-2,168.80	-1,625.29	2,066.91	2,014.67	52.25	39.561	
10,000.00	7,667.75	11,741.33	9,297.90	32.35	40.08	142.06	-2,268.79	-1,625.92	2,066.97	2,013.77	53.20	38.853	
10,100.00	7,667.69	11,841.33	9,297.92	32.77	40.44	142.06	-2,368.79	-1,626.54	2,067.03	2,012.85	54.18	38.151	
10,200.00	7,667.62	11,941.33	9,297.93	33.20	40.81	142.06	-2,468.79	-1,627.16	2,067.09	2,011.90	55.19	37.456	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 14H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
10,300.00	7,667.55	12,041.33	9,297.95	33.64	41.19	142.07	-2,568.79	-1,627.78	2,067.15	2,010.93	56.22	36.770	
10,400.00	7,667.48	12,141.33	9,297.96	34.10	41.58	142.07	-2,668.79	-1,628.41	2,067.21	2,009.93	57.27	36.093	
10,500.00	7,667.42	12,241.33	9,297.98	34.56	41.98	142.07	-2,768.78	-1,629.03	2,067.27	2,008.92	58.35	35.427	
10,600.00	7,667.35	12,341.33	9,297.99	35.04	42.39	142.07	-2,868.78	-1,629.65	2,067.33	2,007.88	59.45	34.774	
10,700.00	7,667.28	12,441.33	9,298.00	35.52	42.81	142.07	-2,968.78	-1,630.28	2,067.39	2,006.82	60.57	34.133	
10,800.00	7,667.22	12,541.33	9,298.02	36.02	43.24	142.07	-3,068.78	-1,630.90	2,067.45	2,005.74	61.71	33.504	
10,900.00	7,667.15	12,641.33	9,298.03	36.52	43.67	142.08	-3,168.78	-1,631.52	2,067.51	2,004.64	62.86	32.890	
11,000.00	7,667.08	12,741.33	9,298.05	37.04	44.12	142.08	-3,268.77	-1,632.14	2,067.56	2,003.53	64.03	32.288	
11,100.00	7,667.02	12,841.33	9,298.06	37.56	44.57	142.08	-3,368.77	-1,632.77	2,067.62	2,002.40	65.22	31.701	
11,200.00	7,666.95	12,941.33	9,298.08	38.09	45.04	142.08	-3,468.77	-1,633.39	2,067.68	2,001.26	66.43	31.128	
11,300.00	7,666.88	13,041.33	9,298.09	38.63	45.51	142.08	-3,568.77	-1,634.01	2,067.74	2,000.10	67.64	30.568	
11,400.00	7,666.82	13,141.33	9,298.11	39.17	45.98	142.08	-3,668.77	-1,634.64	2,067.80	1,998.93	68.87	30.023	
11,500.00	7,666.75	13,241.33	9,298.12	39.72	46.47	142.08	-3,768.76	-1,635.26	2,067.86	1,997.74	70.12	29.491	
11,600.00	7,666.68	13,341.33	9,298.13	40.28	46.96	142.09	-3,868.76	-1,635.88	2,067.92	1,996.55	71.37	28.973	
11,700.00	7,666.62	13,441.33	9,298.15	40.85	47.46	142.09	-3,968.76	-1,636.50	2,067.98	1,995.34	72.64	28.468	
11,800.00	7,666.55	13,541.33	9,298.16	41.42	47.97	142.09	-4,068.76	-1,637.13	2,068.04	1,994.12	73.92	27.976	
11,900.00	7,666.48	13,641.33	9,298.18	42.00	48.48	142.09	-4,168.76	-1,637.75	2,068.10	1,992.89	75.21	27.498	
12,000.00	7,666.41	13,741.33	9,298.19	42.58	49.00	142.09	-4,268.75	-1,638.37	2,068.16	1,991.65	76.51	27.032	
12,100.00	7,666.35	13,841.33	9,298.21	43.17	49.53	142.09	-4,368.75	-1,638.99	2,068.41	1,990.59	77.82	26.580	
12,200.00	7,666.28	13,941.27	9,298.22	43.77	50.06	142.05	-4,468.69	-1,639.62	2,070.46	1,991.32	79.15	26.160	
12,300.00	7,666.21	14,041.04	9,298.24	44.37	50.59	141.97	-4,568.46	-1,640.24	2,074.67	1,994.18	80.49	25.774	
12,400.00	7,666.14	14,140.66	9,298.25	44.97	51.13	141.79	-4,668.08	-1,640.86	2,080.12	1,998.27	81.85	25.413	
12,500.00	7,666.07	14,240.28	9,298.26	45.58	51.68	141.60	-4,767.70	-1,641.48	2,085.60	2,002.38	83.22	25.061	
12,600.00	7,666.00	14,339.90	9,298.28	46.20	52.23	141.42	-4,867.31	-1,642.10	2,091.10	2,006.51	84.59	24.720	
12,700.00	7,665.93	14,439.52	9,298.29	46.82	52.79	141.24	-4,966.93	-1,642.72	2,096.62	2,010.65	85.97	24.389	
12,800.00	7,665.86	14,539.16	9,298.31	47.44	53.35	141.03	-5,066.58	-1,643.34	2,101.96	2,014.61	87.35	24.065	
12,900.00	7,665.79	14,639.01	9,298.32	48.07	53.92	140.86	-5,166.42	-1,643.96	2,105.48	2,016.76	88.73	23.730	
13,000.00	7,665.72	14,738.98	9,298.34	48.70	54.50	140.80	-5,266.39	-1,644.59	2,106.81	2,016.71	90.10	23.383	
13,100.00	7,665.65	14,838.97	9,298.35	49.34	55.07	140.85	-5,366.37	-1,645.21	2,105.93	2,014.46	91.47	23.023	
13,200.00	7,665.58	14,938.84	9,298.37	49.98	55.66	141.00	-5,466.24	-1,645.83	2,102.85	2,010.01	92.83	22.651	
13,300.00	7,665.51	15,038.50	9,298.38	50.61	56.24	141.22	-5,565.91	-1,646.45	2,097.79	2,003.59	94.20	22.271	
13,400.00	7,665.44	15,138.12	9,298.39	51.25	56.83	141.41	-5,665.52	-1,647.07	2,092.39	1,996.83	95.56	21.896	
13,500.00	7,665.37	15,237.74	9,298.41	51.89	57.42	141.60	-5,765.14	-1,647.69	2,087.01	1,990.08	96.94	21.530	
13,600.00	7,665.30	15,337.36	9,298.42	52.54	58.02	141.78	-5,864.76	-1,648.31	2,081.66	1,983.34	98.32	21.173	
13,700.00	7,665.23	15,436.98	9,298.44	53.19	58.62	141.97	-5,964.37	-1,648.93	2,076.33	1,976.63	99.70	20.825	
13,800.00	7,665.16	15,536.71	9,298.45	53.84	59.23	142.07	-6,064.10	-1,649.55	2,071.94	1,970.84	101.10	20.494	
13,900.00	7,665.09	15,636.64	9,298.47	54.50	59.84	142.11	-6,164.03	-1,650.18	2,069.70	1,967.19	102.51	20.191	
13,995.22	7,665.03	15,731.85	9,298.48	55.13	60.42	142.13	-6,259.24	-1,650.77	2,069.15	1,965.29	103.86	19.922	
14,000.00	7,665.03	15,736.63	9,298.48	55.16	60.45	142.12	-6,264.02	-1,650.80	2,069.41	1,965.48	103.93	19.912	
14,100.00	7,664.96	15,836.63	9,298.50	55.83	61.07	142.12	-6,364.02	-1,651.42	2,069.47	1,964.11	105.36	19.643	
14,200.00	7,664.90	15,936.63	9,298.51	56.49	61.69	142.13	-6,464.02	-1,652.05	2,069.53	1,962.74	106.79	19.380	
14,300.00	7,664.83	16,036.63	9,298.53	57.16	62.31	142.13	-6,564.02	-1,652.67	2,069.59	1,961.36	108.22	19.124	
14,400.00	7,664.76	16,136.63	9,298.54	57.84	62.94	142.13	-6,664.01	-1,653.29	2,069.64	1,959.99	109.66	18.874	
14,500.00	7,664.70	16,236.63	9,298.55	58.51	63.57	142.13	-6,764.01	-1,653.91	2,069.70	1,958.60	111.10	18.629	
14,600.00	7,664.63	16,336.63	9,298.57	59.19	64.20	142.13	-6,864.01	-1,654.54	2,069.76	1,957.22	112.54	18.391	
14,700.00	7,664.56	16,436.63	9,298.58	59.87	64.84	142.13	-6,964.01	-1,655.16	2,069.82	1,955.83	113.99	18.158	
14,800.00	7,664.50	16,536.63	9,298.60	60.55	65.48	142.14	-7,064.01	-1,655.78	2,069.88	1,954.44	115.44	17.931	
14,900.00	7,664.43	16,636.63	9,298.61	61.24	66.12	142.14	-7,164.00	-1,656.41	2,069.94	1,953.05	116.89	17.709	
15,000.00	7,664.37	16,736.63	9,298.63	61.92	66.76	142.14	-7,264.00	-1,657.03	2,070.00	1,951.65	118.34	17.491	
15,100.00	7,664.30	16,836.63	9,298.64	62.61	67.41	142.14	-7,364.00	-1,657.65	2,070.05	1,950.25	119.80	17.279	
15,200.00	7,664.23	16,936.63	9,298.66	63.30	68.06	142.14	-7,464.00	-1,658.27	2,070.11	1,948.85	121.26	17.072	
15,300.00	7,664.17	17,036.63	9,298.67	63.99	68.71	142.14	-7,564.00	-1,658.90	2,070.17	1,947.45	122.72	16.869	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 14H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,400.00	7,664.10	17,136.63	9,298.68	64.68	69.36	142.15	-7,663.99	-1,659.52	2,070.23	1,946.04	124.19	16.670	
15,500.00	7,664.03	17,236.63	9,298.70	65.37	70.02	142.15	-7,763.99	-1,660.14	2,070.29	1,944.63	125.65	16.476	
15,600.00	7,663.97	17,336.63	9,298.71	66.07	70.68	142.15	-7,863.99	-1,660.77	2,070.35	1,943.22	127.12	16.286	
15,700.00	7,663.90	17,436.63	9,298.73	66.77	71.34	142.15	-7,963.99	-1,661.39	2,070.40	1,941.81	128.59	16.100	
15,800.00	7,663.83	17,536.63	9,298.74	67.47	72.00	142.15	-8,063.99	-1,662.01	2,070.46	1,940.40	130.07	15.919	
15,900.00	7,663.77	17,636.63	9,298.76	68.17	72.66	142.15	-8,163.98	-1,662.63	2,070.52	1,938.98	131.54	15.741	
16,000.00	7,663.70	17,736.63	9,298.77	68.87	73.33	142.15	-8,263.98	-1,663.26	2,070.58	1,937.56	133.02	15.566	
16,100.00	7,663.64	17,836.63	9,298.79	69.57	74.00	142.16	-8,363.98	-1,663.88	2,070.64	1,936.14	134.50	15.396	
16,200.00	7,663.57	17,936.63	9,298.80	70.27	74.67	142.16	-8,463.98	-1,664.50	2,070.70	1,934.72	135.98	15.228	
16,300.00	7,663.50	18,036.63	9,298.81	70.98	75.34	142.16	-8,563.98	-1,665.13	2,070.76	1,933.30	137.46	15.065	
16,400.00	7,663.44	18,136.63	9,298.83	71.69	76.01	142.16	-8,663.97	-1,665.75	2,070.81	1,931.87	138.94	14.904	
16,500.00	7,663.37	18,236.63	9,298.84	72.39	76.69	142.16	-8,763.97	-1,666.37	2,070.87	1,930.45	140.43	14.747	
16,600.00	7,663.30	18,336.63	9,298.86	73.10	77.36	142.16	-8,863.97	-1,666.99	2,070.93	1,929.02	141.91	14.593	
16,700.00	7,663.24	18,436.63	9,298.87	73.81	78.04	142.17	-8,963.97	-1,667.62	2,070.99	1,927.59	143.40	14.442	
16,800.00	7,663.17	18,536.63	9,298.89	74.52	78.72	142.17	-9,063.97	-1,668.24	2,071.05	1,926.16	144.89	14.294	
16,900.00	7,663.11	18,636.63	9,298.90	75.23	79.40	142.17	-9,163.96	-1,668.86	2,071.11	1,924.73	146.38	14.149	
17,000.00	7,663.04	18,736.63	9,298.92	75.95	80.08	142.17	-9,263.96	-1,669.49	2,071.17	1,923.29	147.87	14.006	
17,100.00	7,662.97	18,836.63	9,298.93	76.66	80.77	142.17	-9,363.96	-1,670.11	2,071.22	1,921.86	149.37	13.867	
17,200.00	7,662.91	18,936.63	9,298.95	77.38	81.45	142.17	-9,463.96	-1,670.73	2,071.28	1,920.42	150.86	13.730	
17,300.00	7,662.84	19,036.63	9,298.96	78.09	82.14	142.17	-9,563.96	-1,671.35	2,071.34	1,918.98	152.36	13.595	
17,400.00	7,662.77	19,136.63	9,298.97	78.81	82.83	142.18	-9,663.95	-1,671.98	2,071.40	1,917.55	153.85	13.463	
17,500.00	7,662.71	19,236.63	9,298.99	79.53	83.52	142.18	-9,763.95	-1,672.60	2,071.46	1,916.11	155.35	13.334	
17,600.00	7,662.64	19,336.63	9,299.00	80.24	84.21	142.18	-9,863.95	-1,673.22	2,071.52	1,914.67	156.85	13.207	
17,700.00	7,662.58	19,436.63	9,299.02	80.96	84.90	142.18	-9,963.95	-1,673.85	2,071.58	1,913.22	158.35	13.082	
17,800.00	7,662.51	19,536.63	9,299.03	81.68	85.60	142.18	-10,063.95	-1,674.47	2,071.63	1,911.78	159.85	12.960	
17,900.00	7,662.44	19,636.63	9,299.05	82.41	86.29	142.18	-10,163.94	-1,675.09	2,071.69	1,910.34	161.36	12.839	
18,000.00	7,662.38	19,736.63	9,299.06	83.13	86.99	142.19	-10,263.94	-1,675.71	2,071.75	1,908.89	162.86	12.721	
18,100.00	7,662.31	19,836.63	9,299.08	83.85	87.68	142.19	-10,363.94	-1,676.34	2,071.81	1,907.44	164.36	12.605	
18,200.00	7,662.24	19,936.63	9,299.09	84.57	88.38	142.19	-10,463.94	-1,676.96	2,071.87	1,906.00	165.87	12.491	
18,300.00	7,662.18	20,036.63	9,299.10	85.30	89.08	142.19	-10,563.94	-1,677.58	2,071.93	1,904.55	167.38	12.379	
18,400.00	7,662.11	20,136.63	9,299.12	86.02	89.78	142.19	-10,663.94	-1,678.20	2,071.99	1,903.10	168.88	12.269	
18,500.00	7,662.04	20,236.63	9,299.13	86.75	90.48	142.19	-10,763.93	-1,678.83	2,072.04	1,901.65	170.39	12.160	
18,600.00	7,661.98	20,336.63	9,299.15	87.47	91.19	142.19	-10,863.93	-1,679.45	2,072.10	1,900.20	171.90	12.054	
18,700.00	7,661.91	20,436.63	9,299.16	88.20	91.89	142.20	-10,963.93	-1,680.07	2,072.16	1,898.75	173.41	11.949	
18,800.00	7,661.85	20,536.63	9,299.18	88.93	92.59	142.20	-11,063.93	-1,680.70	2,072.22	1,897.30	174.92	11.846	
18,900.00	7,661.78	20,636.63	9,299.19	89.65	93.30	142.20	-11,163.93	-1,681.32	2,072.28	1,895.84	176.43	11.745	
19,000.00	7,661.71	20,736.63	9,299.21	90.38	94.01	142.20	-11,263.92	-1,681.94	2,072.34	1,894.39	177.95	11.646	
19,100.00	7,661.65	20,836.63	9,299.22	91.11	94.71	142.20	-11,363.92	-1,682.56	2,072.40	1,892.94	179.46	11.548	
19,200.00	7,661.58	20,936.63	9,299.24	91.84	95.42	142.20	-11,463.92	-1,683.19	2,072.45	1,891.48	180.97	11.452	
19,300.00	7,661.51	21,036.63	9,299.25	92.57	96.13	142.21	-11,563.92	-1,683.81	2,072.51	1,890.02	182.49	11.357	
19,400.00	7,661.45	21,136.63	9,299.26	93.30	96.84	142.21	-11,663.92	-1,684.43	2,072.57	1,888.57	184.00	11.264	
19,500.00	7,661.38	21,236.63	9,299.28	94.03	97.55	142.21	-11,763.91	-1,685.06	2,072.63	1,887.11	185.52	11.172	
19,600.00	7,661.32	21,336.63	9,299.29	94.77	98.26	142.21	-11,863.91	-1,685.68	2,072.69	1,885.65	187.04	11.082	
19,700.00	7,661.25	21,436.63	9,299.31	95.50	98.97	142.21	-11,963.91	-1,686.30	2,072.75	1,884.19	188.55	10.993	
19,800.00	7,661.18	21,536.63	9,299.32	96.23	99.69	142.21	-12,063.91	-1,686.92	2,072.81	1,882.73	190.07	10.905	
19,900.00	7,661.12	21,636.63	9,299.34	96.96	100.40	142.22	-12,163.91	-1,687.55	2,072.86	1,881.27	191.59	10.819	
20,000.00	7,661.05	21,736.63	9,299.35	97.70	101.11	142.22	-12,263.90	-1,688.17	2,072.92	1,879.81	193.11	10.734	
20,100.00	7,660.98	21,836.63	9,299.37	98.43	101.83	142.22	-12,363.90	-1,688.79	2,072.98	1,878.35	194.63	10.651	
20,200.00	7,660.92	21,936.63	9,299.38	99.17	102.54	142.22	-12,463.90	-1,689.42	2,073.04	1,876.89	196.15	10.569	
20,300.00	7,660.85	22,036.63	9,299.39	99.90	103.26	142.22	-12,563.90	-1,690.04	2,073.10	1,875.43	197.67	10.488	
20,400.00	7,660.78	22,136.63	9,299.41	100.64	103.98	142.22	-12,663.90	-1,690.66	2,073.16	1,873.97	199.19	10.408	
20,500.00	7,660.72	22,236.63	9,299.42	101.37	104.70	142.22	-12,763.89	-1,691.28	2,073.22	1,872.50	200.71	10.329	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 14H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,600.00	7,660.65	22,336.63	9,299.44	102.11	105.41	142.23	-12,863.89	-1,691.91	2,073.27	1,871.04	202.24	10.252	
20,700.00	7,660.59	22,436.63	9,299.45	102.85	106.13	142.23	-12,963.89	-1,692.53	2,073.33	1,869.57	203.76	10.175	
20,800.00	7,660.52	22,536.63	9,299.47	103.58	106.85	142.23	-13,063.89	-1,693.15	2,073.39	1,868.11	205.28	10.100	
20,900.00	7,660.45	22,636.63	9,299.48	104.32	107.57	142.23	-13,163.89	-1,693.78	2,073.45	1,866.64	206.81	10.026	
21,000.00	7,660.39	22,736.63	9,299.50	105.06	108.30	142.23	-13,263.88	-1,694.40	2,073.51	1,865.18	208.33	9.953	
21,100.00	7,660.32	22,836.63	9,299.51	105.80	109.02	142.23	-13,363.88	-1,695.02	2,073.57	1,863.71	209.86	9.881	
21,200.00	7,660.25	22,936.63	9,299.53	106.54	109.74	142.24	-13,463.88	-1,695.64	2,073.63	1,862.24	211.38	9.810	
21,300.00	7,660.19	23,036.63	9,299.54	107.28	110.46	142.24	-13,563.88	-1,696.27	2,073.68	1,860.78	212.91	9.740	
21,400.00	7,660.12	23,136.63	9,299.55	108.02	111.18	142.24	-13,663.88	-1,696.89	2,073.74	1,859.31	214.43	9.671	
21,500.00	7,660.06	23,236.63	9,299.57	108.76	111.91	142.24	-13,763.87	-1,697.51	2,073.80	1,857.84	215.96	9.603	
21,600.00	7,659.99	23,336.63	9,299.58	109.50	112.63	142.24	-13,863.87	-1,698.14	2,073.86	1,856.37	217.49	9.536	
21,700.00	7,659.92	23,436.63	9,299.60	110.24	113.36	142.24	-13,963.87	-1,698.76	2,073.92	1,854.90	219.01	9.469	
21,800.00	7,659.86	23,536.63	9,299.61	110.98	114.08	142.24	-14,063.87	-1,699.38	2,073.98	1,853.44	220.54	9.404	
21,900.00	7,659.79	23,636.63	9,299.63	111.72	114.81	142.25	-14,163.87	-1,700.00	2,074.04	1,851.97	222.07	9.340	
22,000.00	7,659.72	23,736.63	9,299.64	112.46	115.54	142.25	-14,263.86	-1,700.63	2,074.09	1,850.50	223.60	9.276	
22,100.00	7,659.66	23,836.63	9,299.66	113.20	116.26	142.25	-14,363.86	-1,701.25	2,074.15	1,849.02	225.13	9.213	
22,200.00	7,659.59	23,936.63	9,299.67	113.94	116.99	142.25	-14,463.86	-1,701.87	2,074.21	1,847.55	226.66	9.151	
22,300.00	7,659.53	24,036.63	9,299.68	114.69	117.72	142.25	-14,563.86	-1,702.50	2,074.27	1,846.08	228.19	9.090	
22,400.00	7,659.46	24,136.63	9,299.70	115.43	118.45	142.25	-14,663.86	-1,703.12	2,074.33	1,844.61	229.72	9.030	
22,500.00	7,659.39	24,236.63	9,299.71	116.17	119.18	142.26	-14,763.85	-1,703.74	2,074.39	1,843.14	231.25	8.970	
22,600.00	7,659.33	24,336.63	9,299.73	116.91	119.90	142.26	-14,863.85	-1,704.36	2,074.45	1,841.67	232.78	8.912	
22,700.00	7,659.26	24,436.63	9,299.74	117.66	120.63	142.26	-14,963.85	-1,704.99	2,074.50	1,840.19	234.31	8.854	
22,800.00	7,659.19	24,536.63	9,299.76	118.40	121.36	142.26	-15,063.85	-1,705.61	2,074.56	1,838.72	235.84	8.796	
22,900.00	7,659.13	24,636.63	9,299.77	119.15	122.09	142.26	-15,163.85	-1,706.23	2,074.62	1,837.25	237.37	8.740	
23,000.00	7,659.06	24,736.63	9,299.79	119.89	122.83	142.26	-15,263.84	-1,706.86	2,074.68	1,835.77	238.91	8.684	
23,091.89	7,659.00	24,828.52	9,299.80	120.57	123.50	142.26	-15,355.73	-1,707.43	2,074.73	1,834.42	240.31	8.633	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 15H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.10	0.00	0.00	0.00	-10.10	119.74	-21.33	121.62				
100.00	100.00	100.10	100.00	0.28	0.28	-10.10	119.74	-21.33	121.62	121.07	0.55	220.173	
200.00	200.00	200.10	200.00	0.63	0.63	-10.10	119.74	-21.33	121.62	120.36	1.27	95.817	
300.00	300.00	300.10	300.00	0.99	0.99	-10.10	119.74	-21.33	121.62	119.64	1.99	61.232	
400.00	400.00	400.10	400.00	1.35	1.35	-10.10	119.74	-21.33	121.62	118.92	2.70	44.992	
500.00	500.00	500.10	500.00	1.71	1.71	-10.10	119.74	-21.33	121.62	118.20	3.42	35.561	
600.00	600.00	600.10	600.00	2.07	2.07	-10.10	119.74	-21.33	121.62	117.49	4.14	29.398	
700.00	700.00	700.10	700.00	2.43	2.43	-10.10	119.74	-21.33	121.62	116.77	4.85	25.056	
800.00	800.00	800.10	800.00	2.79	2.79	-10.10	119.74	-21.33	121.62	116.05	5.57	21.832	
900.00	900.00	900.10	900.00	3.14	3.14	-10.10	119.74	-21.33	121.62	115.34	6.29	19.343	
1,000.00	1,000.00	1,000.10	1,000.00	3.50	3.50	-10.10	119.74	-21.33	121.62	114.62	7.00	17.363	
1,100.00	1,100.00	1,100.10	1,100.00	3.86	3.86	-10.10	119.74	-21.33	121.62	113.90	7.72	15.751	
1,116.63	1,116.63	1,116.73	1,116.63	3.92	3.92	-10.10	119.74	-21.33	121.62	113.78	7.84	15.511	CC
1,200.00	1,200.00	1,200.00	1,199.90	4.22	4.22	-10.10	119.74	-21.33	121.63	113.19	8.44	14.413	ES
1,300.00	1,300.00	1,297.96	1,297.84	4.58	4.56	-10.78	120.32	-22.90	122.50	113.36	9.14	13.400	
1,400.00	1,400.00	1,395.59	1,395.34	4.94	4.91	-12.74	122.06	-27.59	125.22	115.38	9.84	12.729	
1,500.00	1,500.00	1,492.76	1,492.16	5.29	5.25	-15.80	124.93	-35.35	130.07	119.54	10.53	12.354	
1,600.00	1,600.00	1,589.27	1,587.97	5.65	5.59	-19.68	128.90	-46.10	137.42	126.21	11.21	12.259	
1,700.00	1,700.00	1,688.09	1,685.85	6.01	5.94	-23.78	133.63	-58.88	146.71	134.80	11.91	12.318	
1,800.00	1,800.00	1,787.13	1,783.94	6.37	6.29	-27.39	138.37	-71.70	156.67	144.05	12.61	12.420	
1,900.00	1,900.00	1,886.17	1,882.04	6.73	6.65	-30.56	143.11	-84.52	167.18	153.85	13.32	12.550	
2,000.00	2,000.00	1,985.22	1,980.13	7.09	7.00	-33.36	147.86	-97.34	178.13	164.10	14.03	12.697	
2,100.00	2,099.98	2,084.43	2,078.40	7.44	7.36	-3.35	152.61	-110.18	187.73	172.99	14.74	12.739	
2,200.00	2,199.84	2,183.91	2,176.92	7.80	7.72	-5.69	157.37	-123.06	194.18	178.74	15.45	12.572	
2,300.00	2,299.46	2,283.53	2,275.59	8.16	8.08	-8.02	162.14	-135.95	197.53	181.37	16.16	12.226	
2,400.00	2,398.96	2,383.17	2,374.28	8.51	8.44	-10.34	166.91	-148.85	199.91	183.04	16.87	11.851	
2,500.00	2,498.46	2,482.82	2,472.97	8.87	8.81	-12.60	171.68	-161.75	202.62	185.04	17.58	11.523	
2,600.00	2,597.96	2,582.46	2,571.66	9.23	9.17	-14.79	176.45	-174.65	205.64	187.34	18.30	11.238	
2,700.00	2,697.46	2,682.11	2,670.36	9.58	9.53	-16.93	181.22	-187.54	208.95	189.94	19.02	10.988	
2,800.00	2,796.96	2,781.75	2,769.05	9.94	9.90	-18.99	186.00	-200.44	212.55	192.81	19.73	10.771	
2,900.00	2,896.47	2,881.40	2,867.74	10.30	10.26	-20.98	190.77	-213.34	216.41	195.96	20.45	10.582	
3,000.00	2,995.97	2,981.05	2,966.43	10.66	10.63	-22.90	195.54	-226.24	220.53	199.36	21.17	10.417	
3,100.00	3,095.47	3,080.69	3,065.12	11.02	10.99	-24.75	200.31	-239.14	224.88	202.99	21.89	10.273	
3,200.00	3,194.97	3,180.34	3,163.82	11.38	11.36	-26.53	205.08	-252.03	229.46	206.85	22.61	10.149	
3,300.00	3,294.47	3,279.98	3,262.51	11.74	11.72	-28.23	209.85	-264.93	234.25	210.92	23.33	10.040	
3,400.00	3,393.97	3,379.63	3,361.20	12.10	12.09	-29.87	214.62	-277.83	239.25	215.19	24.05	9.947	
3,500.00	3,493.48	3,479.27	3,459.89	12.46	12.45	-31.44	219.39	-290.73	244.43	219.65	24.77	9.866	
3,600.00	3,592.98	3,578.92	3,558.58	12.82	12.82	-32.94	224.16	-303.63	249.78	224.29	25.50	9.797	
3,700.00	3,692.48	3,678.57	3,657.28	13.18	13.18	-34.38	228.94	-316.52	255.30	229.09	26.22	9.738	
3,800.00	3,791.98	3,778.21	3,755.97	13.54	13.55	-35.76	233.71	-329.42	260.98	234.04	26.94	9.687	
3,900.00	3,891.48	3,877.86	3,854.66	13.90	13.92	-37.08	238.48	-342.32	266.80	239.14	27.66	9.645	
4,000.00	3,990.98	3,977.50	3,953.35	14.26	14.28	-38.34	243.25	-355.22	272.76	244.37	28.39	9.609	
4,100.00	4,090.49	4,077.15	4,052.05	14.62	14.65	-39.55	248.02	-368.12	278.84	249.73	29.11	9.579	
4,200.00	4,189.99	4,176.79	4,150.74	14.98	15.02	-40.70	252.79	-381.01	285.04	255.20	29.83	9.554	
4,300.00	4,289.49	4,276.44	4,249.43	15.35	15.39	-41.81	257.56	-393.91	291.35	260.79	30.56	9.535	
4,400.00	4,388.99	4,376.08	4,348.12	15.71	15.75	-42.87	262.33	-406.81	297.76	266.48	31.28	9.519	
4,500.00	4,488.49	4,475.73	4,446.81	16.07	16.12	-43.88	267.10	-419.71	304.28	272.27	32.00	9.507	
4,600.00	4,587.99	4,575.38	4,545.51	16.43	16.49	-44.85	271.88	-432.61	310.88	278.15	32.73	9.499	
4,700.00	4,687.50	4,679.94	4,649.12	16.79	16.87	-45.84	276.76	-445.81	317.26	283.76	33.50	9.471	
4,800.00	4,787.00	4,792.05	4,760.62	17.16	17.28	-46.96	280.77	-456.64	320.56	286.26	34.30	9.345	
4,900.00	4,886.50	4,904.19	4,872.53	17.52	17.69	-48.21	283.26	-463.37	320.13	285.07	35.06	9.131	
5,000.00	4,986.00	5,016.03	4,984.32	17.88	18.08	-49.62	284.23	-465.99	316.00	280.24	35.76	8.836	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 15H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,117.21	5,085.50	18.24	18.43	-51.04	284.24	-466.03	309.66	273.20	36.46	8.493	
5,200.00	5,185.00	5,216.71	5,185.00	18.61	18.78	-52.50	284.24	-466.03	303.47	266.31	37.16	8.166	
5,300.00	5,284.51	5,316.21	5,284.51	18.97	19.12	-54.02	284.24	-466.03	297.48	259.62	37.86	7.857	
5,400.00	5,384.01	5,415.71	5,384.01	19.33	19.47	-55.60	284.24	-466.03	291.72	253.15	38.57	7.564	
5,500.00	5,483.59	5,515.29	5,483.59	19.69	19.81	-57.05	284.24	-466.03	286.64	247.37	39.27	7.299	
5,600.00	5,583.41	5,615.12	5,583.41	20.05	20.16	-57.98	284.24	-466.03	283.51	243.54	39.97	7.093	
5,700.00	5,683.38	5,715.09	5,683.38	20.41	20.51	-58.36	284.24	-466.03	282.29	241.61	40.68	6.940	
5,780.48	5,763.86	5,795.56	5,763.86	20.70	20.79	-58.40	284.24	-466.03	282.14	240.90	41.24	6.841	
5,800.00	5,783.38	5,815.09	5,783.38	20.76	20.86	-90.86	284.24	-466.03	282.26	240.88	41.38	6.821	
5,900.00	5,883.38	5,915.09	5,883.38	21.12	21.21	-90.86	284.24	-466.03	282.26	240.18	42.08	6.708	
6,000.00	5,983.38	6,015.09	5,983.38	21.47	21.56	-90.86	284.24	-466.03	282.26	239.48	42.78	6.597	
6,100.00	6,083.38	6,115.09	6,083.38	21.83	21.91	-90.86	284.24	-466.03	282.26	238.77	43.49	6.491	
6,200.00	6,183.38	6,215.09	6,183.38	22.18	22.26	-90.86	284.24	-466.03	282.26	238.07	44.19	6.387	
6,300.00	6,283.38	6,315.09	6,283.38	22.54	22.61	-90.86	284.24	-466.03	282.26	237.36	44.90	6.287	
6,400.00	6,383.38	6,415.09	6,383.38	22.89	22.96	-90.86	284.24	-466.03	282.26	236.66	45.60	6.190	
6,500.00	6,483.38	6,515.09	6,483.38	23.25	23.31	-90.86	284.24	-466.03	282.26	235.95	46.31	6.095	
6,600.00	6,583.38	6,615.09	6,583.38	23.60	23.66	-90.86	284.24	-466.03	282.26	235.25	47.01	6.004	
6,700.00	6,683.38	6,715.09	6,683.38	23.96	24.01	-90.86	284.24	-466.03	282.26	234.54	47.72	5.915	
6,800.00	6,783.38	6,815.09	6,783.38	24.32	24.36	-90.86	284.24	-466.03	282.26	233.84	48.43	5.829	
6,900.00	6,883.38	6,915.09	6,883.38	24.67	24.71	-90.86	284.24	-466.03	282.26	233.13	49.13	5.745	
7,000.00	6,983.38	7,015.09	6,983.38	25.03	25.06	-90.86	284.24	-466.03	282.26	232.42	49.84	5.663	
7,100.00	7,083.38	7,115.09	7,083.38	25.38	25.42	79.44	284.24	-466.03	282.25	231.71	50.55	5.584	
7,200.00	7,182.76	7,214.47	7,182.76	25.70	25.77	81.58	284.24	-466.03	280.61	229.40	51.21	5.479	
7,300.00	7,278.91	7,310.62	7,278.91	25.99	26.11	87.14	284.24	-466.03	277.87	226.02	51.85	5.359	
7,338.54	7,314.48	7,346.19	7,314.48	26.09	26.23	90.00	284.24	-466.03	277.48	225.39	52.08	5.327	
7,400.00	7,368.92	7,400.63	7,368.92	26.25	26.42	95.04	284.24	-466.03	278.93	226.48	52.45	5.318	
7,500.00	7,450.04	7,481.75	7,450.04	26.46	26.71	103.33	284.24	-466.03	290.72	237.71	53.01	5.484	
7,600.00	7,519.81	7,551.52	7,519.81	26.65	26.96	109.86	284.24	-466.03	319.41	265.90	53.50	5.970	
7,700.00	7,576.11	7,607.82	7,576.11	26.83	27.15	113.01	284.24	-466.03	367.32	313.43	53.89	6.816	
7,800.00	7,617.23	7,648.94	7,617.23	26.99	27.30	111.57	284.24	-466.03	432.46	378.30	54.16	7.985	
7,900.00	7,643.30	7,675.01	7,643.30	27.11	27.39	108.00	284.24	-466.03	510.23	455.90	54.32	9.393	
8,000.00	7,660.07	7,691.78	7,660.07	27.23	27.45	103.31	284.24	-466.03	595.35	540.93	54.42	10.940	
8,100.00	7,668.19	7,699.90	7,668.19	27.34	27.48	94.86	284.24	-466.03	685.08	630.60	54.47	12.577	
8,200.00	7,668.96	7,700.67	7,668.96	27.45	27.48	89.89	284.24	-466.03	777.75	723.26	54.49	14.273	
8,300.00	7,668.89	7,700.60	7,668.89	27.58	27.48	89.86	284.24	-466.03	872.99	818.48	54.50	16.017	
8,400.00	7,668.82	9,250.10	8,503.82	27.72	30.87	161.48	-663.47	-616.77	880.64	848.06	32.58	27.027	
8,500.00	7,668.76	9,360.85	8,503.79	27.89	31.05	161.68	-774.17	-620.14	879.67	846.49	33.17	26.517	
8,600.00	7,668.69	9,462.18	8,503.77	28.07	31.23	161.80	-875.49	-620.80	879.05	845.23	33.82	25.990	
8,672.55	7,668.64	9,534.73	8,503.75	28.21	31.37	161.81	-948.04	-621.25	879.02	844.67	34.35	25.590	
8,700.00	7,668.62	9,562.18	8,503.74	28.26	31.43	161.80	-975.49	-621.42	879.08	844.52	34.56	25.438	
8,800.00	7,668.55	9,662.18	8,503.71	28.48	31.64	161.81	-1,075.49	-622.04	879.11	843.76	35.35	24.870	
8,900.00	7,668.49	9,762.18	8,503.69	28.71	31.86	161.81	-1,175.49	-622.66	879.15	842.96	36.19	24.292	
9,000.00	7,668.42	9,862.18	8,503.66	28.96	32.11	161.81	-1,275.49	-623.28	879.18	842.10	37.08	23.711	
9,100.00	7,668.35	9,962.18	8,503.63	29.23	32.36	161.81	-1,375.48	-623.90	879.22	841.20	38.01	23.131	
9,200.00	7,668.29	10,062.18	8,503.61	29.51	32.64	161.81	-1,475.48	-624.52	879.25	840.27	38.98	22.555	
9,300.00	7,668.22	10,162.18	8,503.58	29.81	32.93	161.81	-1,575.48	-625.14	879.28	839.29	39.99	21.986	
9,400.00	7,668.15	10,262.18	8,503.55	30.13	33.23	161.81	-1,675.48	-625.76	879.32	838.28	41.04	21.427	
9,500.00	7,668.09	10,362.18	8,503.53	30.46	33.55	161.82	-1,775.48	-626.38	879.35	837.24	42.12	20.879	
9,600.00	7,668.02	10,462.18	8,503.50	30.81	33.88	161.82	-1,875.48	-627.00	879.39	836.17	43.22	20.345	
9,700.00	7,667.95	10,562.18	8,503.47	31.18	34.23	161.82	-1,975.47	-627.62	879.42	835.07	44.36	19.825	
9,800.00	7,667.89	10,662.18	8,503.45	31.56	34.59	161.82	-2,075.47	-628.24	879.46	833.94	45.52	19.321	
9,900.00	7,667.82	10,762.18	8,503.42	31.95	34.96	161.82	-2,175.47	-628.86	879.49	832.79	46.70	18.831	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 15H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	7,667.75	10,862.18	8,503.39	32.35	35.34	161.82	-2,275.47	-629.48	879.53	831.62	47.91	18.358	
10,100.00	7,667.69	10,962.18	8,503.37	32.77	35.74	161.83	-2,375.47	-630.10	879.56	830.43	49.14	17.901	
10,200.00	7,667.62	11,062.18	8,503.34	33.20	36.15	161.83	-2,475.46	-630.72	879.60	829.22	50.38	17.459	
10,300.00	7,667.55	11,162.18	8,503.31	33.64	36.57	161.83	-2,575.46	-631.34	879.63	827.99	51.64	17.033	
10,400.00	7,667.48	11,262.18	8,503.29	34.10	37.00	161.83	-2,675.46	-631.96	879.67	826.74	52.92	16.622	
10,500.00	7,667.42	11,362.18	8,503.26	34.56	37.44	161.83	-2,775.46	-632.58	879.70	825.49	54.22	16.226	
10,600.00	7,667.35	11,462.18	8,503.23	35.04	37.89	161.83	-2,875.46	-633.20	879.74	824.21	55.53	15.844	
10,700.00	7,667.28	11,562.18	8,503.21	35.52	38.35	161.83	-2,975.45	-633.82	879.77	822.93	56.85	15.476	
10,800.00	7,667.22	11,662.18	8,503.18	36.02	38.82	161.84	-3,075.45	-634.44	879.81	821.63	58.18	15.122	
10,900.00	7,667.15	11,762.18	8,503.15	36.52	39.31	161.84	-3,175.45	-635.06	879.84	820.32	59.52	14.781	
11,000.00	7,667.08	11,862.18	8,503.13	37.04	39.79	161.84	-3,275.45	-635.68	879.88	819.00	60.88	14.453	
11,100.00	7,667.02	11,962.18	8,503.10	37.56	40.29	161.84	-3,375.45	-636.30	879.91	817.67	62.25	14.136	
11,200.00	7,666.95	12,062.18	8,503.07	38.09	40.80	161.84	-3,475.44	-636.92	879.95	816.33	63.62	13.831	
11,300.00	7,666.88	12,162.18	8,503.05	38.63	41.31	161.84	-3,575.44	-637.54	879.98	814.98	65.00	13.538	
11,400.00	7,666.82	12,262.18	8,503.02	39.17	41.83	161.84	-3,675.44	-638.16	880.02	813.62	66.39	13.254	
11,500.00	7,666.75	12,362.18	8,502.99	39.72	42.36	161.85	-3,775.44	-638.78	880.05	812.26	67.79	12.981	
11,600.00	7,666.68	12,462.18	8,502.97	40.28	42.90	161.85	-3,875.44	-639.40	880.09	810.89	69.20	12.718	
11,700.00	7,666.62	12,562.18	8,502.94	40.85	43.44	161.85	-3,975.43	-640.02	880.12	809.51	70.61	12.464	
11,800.00	7,666.55	12,662.18	8,502.91	41.42	43.99	161.85	-4,075.43	-640.64	880.16	808.12	72.03	12.219	
11,900.00	7,666.48	12,762.18	8,502.89	42.00	44.55	161.85	-4,175.43	-641.26	880.19	806.73	73.46	11.982	
12,000.00	7,666.41	12,862.18	8,502.86	42.58	45.11	161.85	-4,275.43	-641.88	880.22	805.34	74.89	11.754	
12,100.00	7,666.35	12,962.18	8,502.83	43.17	45.68	161.84	-4,375.43	-642.50	880.36	804.04	76.32	11.534	
12,200.00	7,666.28	13,062.12	8,502.81	43.77	46.25	161.66	-4,475.37	-643.12	881.41	803.64	77.77	11.333	
12,300.00	7,666.21	13,161.89	8,502.78	44.37	46.83	161.29	-4,575.13	-643.74	883.59	804.36	79.23	11.153	
12,400.00	7,666.14	13,261.51	8,502.75	44.97	47.41	160.76	-4,674.75	-644.36	886.47	805.78	80.69	10.986	
12,500.00	7,666.07	13,361.13	8,502.73	45.58	48.00	160.23	-4,774.37	-644.98	889.42	807.27	82.15	10.826	
12,600.00	7,666.00	13,460.75	8,502.70	46.20	48.59	159.71	-4,873.99	-645.59	892.46	808.84	83.62	10.672	
12,700.00	7,665.93	13,560.37	8,502.67	46.82	49.18	159.19	-4,973.61	-646.21	895.56	810.47	85.09	10.525	
12,800.00	7,665.86	13,660.02	8,502.65	47.44	49.79	158.67	-5,073.25	-646.83	898.63	812.07	86.56	10.381	
12,900.00	7,665.79	13,759.86	8,502.62	48.07	50.39	158.31	-5,173.09	-647.45	900.68	812.65	88.03	10.231	
13,000.00	7,665.72	13,859.84	8,502.59	48.70	51.00	158.18	-5,273.07	-648.07	901.46	811.96	89.50	10.072	
13,100.00	7,665.65	13,959.82	8,502.57	49.34	51.62	158.28	-5,373.05	-648.69	900.94	809.98	90.96	9.904	
13,200.00	7,665.58	14,059.69	8,502.54	49.98	52.24	158.61	-5,472.92	-649.31	899.15	806.73	92.42	9.729	
13,300.00	7,665.51	14,159.36	8,502.51	50.61	52.86	159.13	-5,572.58	-649.93	896.24	802.36	93.88	9.546	
13,400.00	7,665.44	14,258.98	8,502.49	51.25	53.48	159.65	-5,672.20	-650.54	893.20	797.85	95.35	9.367	
13,500.00	7,665.37	14,358.59	8,502.46	51.89	54.11	160.17	-5,771.81	-651.16	890.23	793.41	96.83	9.194	
13,600.00	7,665.30	14,458.21	8,502.43	52.54	54.74	160.70	-5,871.43	-651.78	887.34	789.04	98.31	9.026	
13,700.00	7,665.23	14,557.83	8,502.41	53.19	55.38	161.24	-5,971.05	-652.40	884.53	784.73	99.80	8.863	
13,800.00	7,665.16	14,657.57	8,502.38	53.84	56.02	161.64	-6,070.78	-653.02	882.26	780.97	101.29	8.710	
13,900.00	7,665.09	14,757.49	8,502.35	54.50	56.66	161.85	-6,170.70	-653.64	881.13	778.34	102.79	8.572	
13,994.49	7,665.03	14,851.97	8,502.33	55.12	57.27	161.91	-6,265.18	-654.22	880.85	776.64	104.21	8.453	
14,000.00	7,665.03	14,857.49	8,502.33	55.16	57.31	161.88	-6,270.70	-654.26	880.98	776.70	104.29	8.448	
14,100.00	7,664.96	14,957.49	8,502.30	55.83	57.96	161.88	-6,370.69	-654.88	881.02	775.23	105.79	8.328	
14,200.00	7,664.90	15,057.49	8,502.27	56.49	58.61	161.88	-6,470.69	-655.50	881.05	773.76	107.29	8.212	
14,300.00	7,664.83	15,157.49	8,502.25	57.16	59.26	161.89	-6,570.69	-656.12	881.09	772.29	108.80	8.099	
14,400.00	7,664.76	15,257.49	8,502.22	57.84	59.92	161.89	-6,670.69	-656.74	881.12	770.82	110.30	7.988	
14,500.00	7,664.70	15,357.49	8,502.19	58.51	60.58	161.89	-6,770.69	-657.36	881.15	769.35	111.81	7.881	
14,600.00	7,664.63	15,457.49	8,502.17	59.19	61.24	161.89	-6,870.68	-657.98	881.19	767.87	113.32	7.776	
14,700.00	7,664.56	15,557.49	8,502.14	59.87	61.91	161.89	-6,970.68	-658.60	881.22	766.39	114.83	7.674	
14,800.00	7,664.50	15,657.49	8,502.11	60.55	62.58	161.89	-7,070.68	-659.22	881.26	764.92	116.34	7.575	
14,900.00	7,664.43	15,757.49	8,502.09	61.24	63.25	161.89	-7,170.68	-659.84	881.29	763.44	117.86	7.478	
15,000.00	7,664.37	15,857.49	8,502.06	61.92	63.92	161.90	-7,270.68	-660.46	881.33	761.95	119.37	7.383	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 15H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,100.00	7,664.30	15,957.49	8,502.03	62.61	64.59	161.90	-7,370.68	-661.08	881.36	760.47	120.89	7.291	
15,200.00	7,664.23	16,057.49	8,502.01	63.30	65.27	161.90	-7,470.67	-661.70	881.39	758.99	122.40	7.201	
15,300.00	7,664.17	16,157.49	8,501.98	63.99	65.94	161.90	-7,570.67	-662.32	881.43	757.50	123.92	7.113	
15,400.00	7,664.10	16,257.49	8,501.95	64.68	66.62	161.90	-7,670.67	-662.94	881.46	756.02	125.44	7.027	
15,500.00	7,664.03	16,357.49	8,501.93	65.37	67.30	161.90	-7,770.67	-663.56	881.50	754.53	126.97	6.943	
15,600.00	7,663.97	16,457.49	8,501.90	66.07	67.99	161.90	-7,870.67	-664.18	881.53	753.04	128.49	6.861	
15,700.00	7,663.90	16,557.49	8,501.87	66.77	68.67	161.91	-7,970.66	-664.80	881.56	751.55	130.01	6.781	
15,800.00	7,663.83	16,657.49	8,501.85	67.47	69.36	161.91	-8,070.66	-665.42	881.60	750.06	131.54	6.702	
15,900.00	7,663.77	16,757.49	8,501.82	68.17	70.04	161.91	-8,170.66	-666.04	881.63	748.57	133.06	6.626	
16,000.00	7,663.70	16,857.49	8,501.79	68.87	70.73	161.91	-8,270.66	-666.66	881.67	747.08	134.59	6.551	
16,100.00	7,663.64	16,957.49	8,501.77	69.57	71.42	161.91	-8,370.66	-667.28	881.70	745.59	136.11	6.478	
16,200.00	7,663.57	17,057.49	8,501.74	70.27	72.12	161.91	-8,470.65	-667.90	881.73	744.09	137.64	6.406	
16,300.00	7,663.50	17,157.49	8,501.71	70.98	72.81	161.92	-8,570.65	-668.52	881.77	742.60	139.17	6.336	
16,400.00	7,663.44	17,257.49	8,501.69	71.69	73.51	161.92	-8,670.65	-669.14	881.80	741.10	140.70	6.267	
16,500.00	7,663.37	17,357.49	8,501.66	72.39	74.20	161.92	-8,770.65	-669.76	881.84	739.61	142.23	6.200	
16,600.00	7,663.30	17,457.49	8,501.63	73.10	74.90	161.92	-8,870.65	-670.38	881.87	738.11	143.76	6.134	
16,700.00	7,663.24	17,557.49	8,501.61	73.81	75.60	161.92	-8,970.64	-671.00	881.91	736.61	145.30	6.070	
16,800.00	7,663.17	17,657.49	8,501.58	74.52	76.30	161.92	-9,070.64	-671.62	881.94	735.11	146.83	6.007	
16,900.00	7,663.11	17,757.49	8,501.55	75.23	77.00	161.92	-9,170.64	-672.24	881.97	733.61	148.36	5.945	
17,000.00	7,663.04	17,857.49	8,501.53	75.95	77.71	161.93	-9,270.64	-672.86	882.01	732.11	149.90	5.884	
17,100.00	7,662.97	17,957.49	8,501.50	76.66	78.41	161.93	-9,370.64	-673.48	882.04	730.61	151.43	5.825	
17,200.00	7,662.91	18,057.49	8,501.47	77.38	79.11	161.93	-9,470.63	-674.10	882.08	729.11	152.97	5.766	
17,300.00	7,662.84	18,157.49	8,501.45	78.09	79.82	161.93	-9,570.63	-674.72	882.11	727.61	154.50	5.709	
17,400.00	7,662.77	18,257.49	8,501.42	78.81	80.53	161.93	-9,670.63	-675.34	882.14	726.10	156.04	5.653	
17,500.00	7,662.71	18,357.49	8,501.39	79.53	81.24	161.93	-9,770.63	-675.96	882.18	724.60	157.58	5.598	
17,600.00	7,662.64	18,457.49	8,501.37	80.24	81.95	161.93	-9,870.63	-676.58	882.21	723.10	159.12	5.544	
17,700.00	7,662.58	18,557.49	8,501.34	80.96	82.66	161.94	-9,970.63	-677.20	882.25	721.59	160.65	5.492	
17,800.00	7,662.51	18,657.49	8,501.31	81.68	83.37	161.94	-10,070.62	-677.82	882.28	720.09	162.19	5.440	
17,900.00	7,662.44	18,757.49	8,501.29	82.41	84.08	161.94	-10,170.62	-678.44	882.32	718.58	163.73	5.389	
18,000.00	7,662.38	18,857.49	8,501.26	83.13	84.79	161.94	-10,270.62	-679.06	882.35	717.08	165.27	5.339	
18,100.00	7,662.31	18,957.49	8,501.23	83.85	85.51	161.94	-10,370.62	-679.68	882.38	715.57	166.81	5.290	
18,200.00	7,662.24	19,057.49	8,501.21	84.57	86.22	161.94	-10,470.62	-680.30	882.42	714.06	168.35	5.241	
18,300.00	7,662.18	19,157.49	8,501.18	85.30	86.94	161.95	-10,570.61	-680.92	882.45	712.56	169.90	5.194	
18,400.00	7,662.11	19,257.49	8,501.15	86.02	87.65	161.95	-10,670.61	-681.54	882.49	711.05	171.44	5.148	
18,500.00	7,662.04	19,357.49	8,501.13	86.75	88.37	161.95	-10,770.61	-682.16	882.52	709.54	172.98	5.102	
18,600.00	7,661.98	19,457.49	8,501.10	87.47	89.09	161.95	-10,870.61	-682.78	882.55	708.03	174.52	5.057	
18,700.00	7,661.91	19,557.49	8,501.07	88.20	89.81	161.95	-10,970.61	-683.40	882.59	706.52	176.07	5.013	
18,800.00	7,661.85	19,657.49	8,501.05	88.93	90.53	161.95	-11,070.60	-684.02	882.62	705.01	177.61	4.969	
18,900.00	7,661.78	19,757.49	8,501.02	89.65	91.25	161.95	-11,170.60	-684.64	882.66	703.50	179.16	4.927	
19,000.00	7,661.71	19,857.49	8,500.99	90.38	91.97	161.96	-11,270.60	-685.26	882.69	701.99	180.70	4.885	
19,100.00	7,661.65	19,957.49	8,500.97	91.11	92.69	161.96	-11,370.60	-685.88	882.73	700.48	182.25	4.844	
19,200.00	7,661.58	20,057.49	8,500.94	91.84	93.41	161.96	-11,470.60	-686.50	882.76	698.97	183.79	4.803	
19,300.00	7,661.51	20,157.49	8,500.91	92.57	94.14	161.96	-11,570.59	-687.12	882.79	697.46	185.34	4.763	
19,400.00	7,661.45	20,257.49	8,500.89	93.30	94.86	161.96	-11,670.59	-687.74	882.83	695.95	186.88	4.724	
19,500.00	7,661.38	20,357.49	8,500.86	94.03	95.58	161.96	-11,770.59	-688.36	882.86	694.43	188.43	4.685	
19,600.00	7,661.32	20,457.49	8,500.83	94.77	96.31	161.96	-11,870.59	-688.98	882.90	692.92	189.98	4.647	
19,700.00	7,661.25	20,557.49	8,500.81	95.50	97.04	161.97	-11,970.59	-689.60	882.93	691.41	191.52	4.610	
19,800.00	7,661.18	20,657.49	8,500.78	96.23	97.76	161.97	-12,070.58	-690.22	882.96	689.89	193.07	4.573	
19,900.00	7,661.12	20,757.49	8,500.75	96.96	98.49	161.97	-12,170.58	-690.84	883.00	688.38	194.62	4.537	
20,000.00	7,661.05	20,857.49	8,500.73	97.70	99.22	161.97	-12,270.58	-691.46	883.03	686.87	196.17	4.501	
20,100.00	7,660.98	20,957.49	8,500.70	98.43	99.94	161.97	-12,370.58	-692.08	883.07	685.35	197.71	4.466	
20,200.00	7,660.92	21,057.49	8,500.67	99.17	100.67	161.97	-12,470.58	-692.70	883.10	683.84	199.26	4.432	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 15H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,300.00	7,660.85	21,157.49	8,500.65	99.90	101.40	161.98	-12,570.57	-693.32	883.14	682.32	200.81	4.398	
20,400.00	7,660.78	21,257.49	8,500.62	100.64	102.13	161.98	-12,670.57	-693.94	883.17	680.81	202.36	4.364	
20,500.00	7,660.72	21,357.49	8,500.59	101.37	102.86	161.98	-12,770.57	-694.56	883.20	679.29	203.91	4.331	
20,600.00	7,660.65	21,457.49	8,500.57	102.11	103.59	161.98	-12,870.57	-695.18	883.24	677.78	205.46	4.299	
20,700.00	7,660.59	21,557.49	8,500.54	102.85	104.32	161.98	-12,970.57	-695.80	883.27	676.26	207.01	4.267	
20,800.00	7,660.52	21,657.49	8,500.51	103.58	105.05	161.98	-13,070.57	-696.42	883.31	674.75	208.56	4.235	
20,900.00	7,660.45	21,757.49	8,500.49	104.32	105.79	161.98	-13,170.56	-697.04	883.34	673.23	210.11	4.204	
21,000.00	7,660.39	21,857.49	8,500.46	105.06	106.52	161.99	-13,270.56	-697.66	883.37	671.71	211.66	4.174	
21,100.00	7,660.32	21,957.49	8,500.43	105.80	107.25	161.99	-13,370.56	-698.28	883.41	670.20	213.21	4.143	
21,200.00	7,660.25	22,057.49	8,500.41	106.54	107.98	161.99	-13,470.56	-698.90	883.44	668.68	214.76	4.114	
21,300.00	7,660.19	22,157.49	8,500.38	107.28	108.72	161.99	-13,570.56	-699.52	883.48	667.16	216.31	4.084	
21,400.00	7,660.12	22,257.49	8,500.35	108.02	109.45	161.99	-13,670.55	-700.14	883.51	665.64	217.87	4.055	
21,500.00	7,660.06	22,357.49	8,500.33	108.76	110.19	161.99	-13,770.55	-700.76	883.54	664.13	219.42	4.027	
21,600.00	7,659.99	22,457.49	8,500.30	109.50	110.92	161.99	-13,870.55	-701.38	883.58	662.61	220.97	3.999	
21,700.00	7,659.92	22,557.49	8,500.27	110.24	111.66	162.00	-13,970.55	-702.00	883.61	661.09	222.52	3.971	
21,800.00	7,659.86	22,657.49	8,500.25	110.98	112.39	162.00	-14,070.55	-702.62	883.65	659.57	224.07	3.944	
21,900.00	7,659.79	22,757.49	8,500.22	111.72	113.13	162.00	-14,170.54	-703.24	883.68	658.05	225.63	3.917	
22,000.00	7,659.72	22,857.49	8,500.19	112.46	113.86	162.00	-14,270.54	-703.86	883.72	656.54	227.18	3.890	
22,100.00	7,659.66	22,957.49	8,500.17	113.20	114.60	162.00	-14,370.54	-704.48	883.75	655.02	228.73	3.864	
22,200.00	7,659.59	23,057.49	8,500.14	113.94	115.34	162.00	-14,470.54	-705.10	883.78	653.50	230.29	3.838	
22,300.00	7,659.53	23,157.49	8,500.11	114.69	116.08	162.01	-14,570.54	-705.72	883.82	651.98	231.84	3.812	
22,400.00	7,659.46	23,257.49	8,500.09	115.43	116.81	162.01	-14,670.53	-706.34	883.85	650.46	233.39	3.787	
22,500.00	7,659.39	23,357.49	8,500.06	116.17	117.55	162.01	-14,770.53	-706.96	883.89	648.94	234.95	3.762	
22,600.00	7,659.33	23,457.49	8,500.03	116.91	118.29	162.01	-14,870.53	-707.58	883.92	647.42	236.50	3.737	
22,700.00	7,659.26	23,557.49	8,500.01	117.66	119.03	162.01	-14,970.53	-708.20	883.96	645.90	238.06	3.713	
22,800.00	7,659.19	23,657.49	8,499.98	118.40	119.77	162.01	-15,070.53	-708.82	883.99	644.38	239.61	3.689	
22,900.00	7,659.13	23,757.49	8,499.95	119.15	120.51	162.01	-15,170.52	-709.44	884.02	642.86	241.16	3.666	
23,000.00	7,659.06	23,857.49	8,499.93	119.89	121.25	162.02	-15,270.52	-710.06	884.06	641.34	242.72	3.642	
23,091.89	7,659.00	23,949.38	8,499.90	120.57	121.93	162.02	-15,362.41	-710.63	884.09	639.94	244.15	3.621	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 16H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.20	0.00	0.00	0.00	179.36	-34.99	0.39	34.99				
100.00	100.00	100.20	100.00	0.28	0.28	179.36	-34.99	0.39	34.99	34.44	0.55	63.304	
200.00	200.00	200.20	200.00	0.63	0.64	179.36	-34.99	0.39	34.99	33.72	1.27	27.559	
300.00	300.00	300.20	300.00	0.99	0.99	179.36	-34.99	0.39	34.99	33.01	1.99	17.614	
400.00	400.00	400.20	400.00	1.35	1.35	179.36	-34.99	0.39	34.99	32.29	2.70	12.943	
500.00	500.00	500.20	500.00	1.71	1.71	179.36	-34.99	0.39	34.99	31.57	3.42	10.230	
600.00	600.00	600.20	600.00	2.07	2.07	179.36	-34.99	0.39	34.99	30.85	4.14	8.457	
700.00	700.00	700.20	700.00	2.43	2.43	179.36	-34.99	0.39	34.99	30.14	4.85	7.208	
800.00	800.00	800.20	800.00	2.79	2.79	179.36	-34.99	0.39	34.99	29.42	5.57	6.281	
900.00	900.00	900.20	900.00	3.14	3.14	179.36	-34.99	0.39	34.99	28.70	6.29	5.565	
1,000.00	1,000.00	1,000.20	1,000.00	3.50	3.50	179.36	-34.99	0.39	34.99	27.99	7.01	4.995	
1,100.00	1,100.00	1,100.20	1,100.00	3.86	3.86	179.36	-34.99	0.39	34.99	27.27	7.72	4.531	
1,200.00	1,200.00	1,200.20	1,200.00	4.22	4.22	179.36	-34.99	0.39	34.99	26.55	8.44	4.146	
1,300.00	1,300.00	1,300.20	1,300.00	4.58	4.58	179.36	-34.99	0.39	34.99	25.84	9.16	3.822	
1,400.00	1,400.00	1,400.20	1,400.00	4.94	4.94	179.36	-34.99	0.39	34.99	25.12	9.87	3.544	
1,500.00	1,500.00	1,500.20	1,500.00	5.29	5.30	179.36	-34.99	0.39	34.99	24.40	10.59	3.304	
1,600.00	1,600.00	1,600.20	1,600.00	5.65	5.65	179.36	-34.99	0.39	34.99	23.69	11.31	3.095	
1,700.00	1,700.00	1,700.20	1,700.00	6.01	6.01	179.36	-34.99	0.39	34.99	22.97	12.02	2.910	
1,800.00	1,800.00	1,800.20	1,800.00	6.37	6.37	179.36	-34.99	0.39	34.99	22.25	12.74	2.746	
1,900.00	1,900.00	1,900.20	1,900.00	6.73	6.73	179.36	-34.99	0.39	34.99	21.53	13.46	2.600	
2,000.00	2,000.00	2,000.20	2,000.00	7.09	7.09	179.36	-34.99	0.39	34.99	20.82	14.17	2.469	
2,000.93	2,000.93	2,001.14	2,000.94	7.09	7.09	-148.14	-34.99	0.39	34.99	20.81	14.18	2.467	CC
2,100.00	2,099.98	2,101.05	2,100.83	7.44	7.45	-147.56	-33.77	-0.91	35.25	20.36	14.89	2.368	
2,200.00	2,199.84	2,201.89	2,201.53	7.80	7.80	-145.89	-30.12	-4.79	36.06	20.47	15.59	2.313	
2,300.00	2,299.46	2,302.71	2,301.94	8.16	8.16	-143.25	-24.04	-11.24	37.44	21.15	16.29	2.298	
2,400.00	2,398.96	2,403.43	2,401.90	8.51	8.52	-137.76	-15.55	-20.26	37.84	20.85	16.99	2.227	
2,500.00	2,498.46	2,503.84	2,501.05	8.87	8.88	-127.65	-4.70	-31.79	37.05	19.34	17.71	2.092	
2,559.92	2,558.08	2,563.68	2,559.87	9.08	9.09	-119.23	2.82	-39.77	36.70	18.55	18.15	2.022	
2,600.00	2,597.96	2,603.58	2,599.07	9.23	9.23	-113.40	7.92	-45.19	36.89	18.45	18.44	2.000	ES
2,700.00	2,697.46	2,703.14	2,696.88	9.58	9.59	-99.60	20.65	-58.71	38.98	19.83	19.15	2.036	
2,800.00	2,796.96	2,802.69	2,794.69	9.94	9.94	-87.79	33.37	-72.23	43.07	23.23	19.84	2.171	
2,900.00	2,896.47	2,902.25	2,892.50	10.30	10.30	-78.33	46.10	-85.75	48.64	28.13	20.51	2.371	
3,000.00	2,995.97	3,001.81	2,990.32	10.66	10.66	-70.97	58.83	-99.27	55.26	34.06	21.20	2.607	
3,100.00	3,095.47	3,101.37	3,088.13	11.02	11.02	-65.25	71.56	-112.79	62.59	40.70	21.88	2.860	
3,200.00	3,194.97	3,200.93	3,185.94	11.38	11.38	-60.76	84.28	-126.30	70.41	47.83	22.58	3.118	
3,300.00	3,294.47	3,300.49	3,283.75	11.74	11.75	-57.18	97.01	-139.82	78.57	55.29	23.28	3.375	
3,400.00	3,393.97	3,400.04	3,381.56	12.10	12.11	-54.28	109.74	-153.34	86.98	62.99	23.99	3.626	
3,500.00	3,493.48	3,499.60	3,479.37	12.46	12.48	-51.90	122.47	-166.86	95.57	70.87	24.70	3.869	
3,600.00	3,592.98	3,599.16	3,577.19	12.82	12.84	-49.91	135.19	-180.38	104.30	78.89	25.41	4.104	
3,700.00	3,692.48	3,698.72	3,675.00	13.18	13.21	-48.23	147.92	-193.90	113.14	87.01	26.13	4.330	
3,800.00	3,791.98	3,798.28	3,772.81	13.54	13.57	-46.80	160.65	-207.42	122.06	95.21	26.85	4.546	
3,900.00	3,891.48	3,897.84	3,870.62	13.90	13.94	-45.56	173.38	-220.94	131.04	103.47	27.57	4.753	
4,000.00	3,990.98	3,997.40	3,968.43	14.26	14.31	-44.48	186.10	-234.46	140.08	111.78	28.29	4.951	
4,100.00	4,090.49	4,096.95	4,066.24	14.62	14.68	-43.53	198.83	-247.98	149.15	120.14	29.02	5.140	
4,200.00	4,189.99	4,196.51	4,164.06	14.98	15.04	-42.69	211.56	-261.50	158.27	128.53	29.74	5.321	
4,300.00	4,289.49	4,296.07	4,261.87	15.35	15.41	-41.94	224.29	-275.02	167.42	136.95	30.47	5.495	
4,400.00	4,388.99	4,395.63	4,359.68	15.71	15.78	-41.27	237.01	-288.53	176.59	145.39	31.20	5.661	
4,500.00	4,488.49	4,495.19	4,457.49	16.07	16.15	-40.67	249.74	-302.05	185.78	153.85	31.92	5.819	
4,600.00	4,587.99	4,600.66	4,561.41	16.43	16.54	-40.31	262.11	-315.19	193.60	160.84	32.75	5.911	
4,700.00	4,687.50	4,707.09	4,666.86	16.79	16.93	-40.46	271.93	-325.63	198.11	164.55	33.56	5.904	
4,800.00	4,787.00	4,813.68	4,772.93	17.16	17.32	-41.12	279.07	-333.21	199.30	164.97	34.32	5.806	
4,900.00	4,886.50	4,920.12	4,879.17	17.52	17.70	-42.31	283.50	-337.91	197.23	162.17	35.05	5.626	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 16H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,986.00	5,026.13	4,985.15	17.88	18.07	-44.08	285.21	-339.73	192.01	156.26	35.75	5.371	
5,100.00	5,085.50	5,126.49	5,085.50	18.24	18.42	-46.24	285.24	-339.76	184.99	148.54	36.45	5.075	
5,200.00	5,185.00	5,225.99	5,185.00	18.61	18.77	-48.55	285.24	-339.76	178.22	141.06	37.16	4.797	
5,300.00	5,284.51	5,325.49	5,284.51	18.97	19.12	-51.04	285.24	-339.76	171.76	133.90	37.86	4.536	
5,400.00	5,384.01	5,424.99	5,384.01	19.33	19.47	-53.71	285.24	-339.76	165.65	127.08	38.57	4.294	
5,500.00	5,483.59	5,524.57	5,483.59	19.69	19.82	-56.27	285.24	-339.76	160.40	121.11	39.29	4.083	
5,600.00	5,583.41	5,624.40	5,583.41	20.05	20.17	-57.98	285.24	-339.76	157.24	117.24	40.00	3.931	
5,700.00	5,683.38	5,724.37	5,683.38	20.41	20.53	-58.68	285.24	-339.76	156.02	115.31	40.71	3.833	
5,780.48	5,763.86	5,804.84	5,763.86	20.70	20.81	-58.77	285.24	-339.76	155.87	114.60	41.27	3.777	
5,800.00	5,783.38	5,824.37	5,783.38	20.76	20.88	-91.20	285.24	-339.76	155.99	114.58	41.41	3.767	
5,900.00	5,883.38	5,924.37	5,883.38	21.12	21.23	-91.20	285.24	-339.76	155.99	113.88	42.12	3.704	
6,000.00	5,983.38	6,024.37	5,983.38	21.47	21.58	-91.20	285.24	-339.76	155.99	113.17	42.83	3.643	
6,100.00	6,083.38	6,124.37	6,083.38	21.83	21.94	-91.20	285.24	-339.76	155.99	112.46	43.53	3.583	
6,200.00	6,183.38	6,224.37	6,183.38	22.18	22.29	-91.20	285.24	-339.76	155.99	111.75	44.24	3.526	
6,300.00	6,283.38	6,324.37	6,283.38	22.54	22.64	-91.20	285.24	-339.76	155.99	111.05	44.95	3.470	
6,400.00	6,383.38	6,424.37	6,383.38	22.89	23.00	-91.20	285.24	-339.76	155.99	110.34	45.66	3.417	
6,500.00	6,483.38	6,524.37	6,483.38	23.25	23.35	-91.20	285.24	-339.76	155.99	109.63	46.37	3.364	
6,600.00	6,583.38	6,624.37	6,583.38	23.60	23.70	-91.20	285.24	-339.76	155.99	108.92	47.07	3.314	
6,615.45	6,598.83	6,639.82	6,598.83	23.66	23.76	-91.20	285.24	-339.76	155.99	108.81	47.18	3.306	
6,700.00	6,683.38	6,724.34	6,683.35	23.96	24.06	-91.20	285.23	-339.76	155.99	108.21	47.78	3.265	
6,800.00	6,783.38	6,822.53	6,781.01	24.32	24.37	-94.49	276.24	-339.82	156.52	108.04	48.47	3.229	
6,900.00	6,883.38	6,915.07	6,870.39	24.67	24.64	-102.93	252.63	-339.96	160.76	111.68	49.07	3.276	
7,000.00	6,983.38	7,000.00	6,948.10	25.03	24.86	-114.09	218.57	-340.18	174.90	125.83	49.06	3.565	
7,100.00	7,083.38	7,070.44	7,008.16	25.38	25.02	45.86	181.86	-340.41	203.83	156.22	47.60	4.282	
7,200.00	7,182.76	7,136.37	7,059.90	25.70	25.15	35.52	141.06	-340.66	241.09	195.83	45.26	5.327	
7,300.00	7,278.91	7,200.00	7,105.08	25.99	25.27	28.16	96.30	-340.94	277.97	235.48	42.48	6.543	
7,400.00	7,368.92	7,262.26	7,144.22	26.25	25.36	22.83	47.92	-341.25	311.91	272.37	39.54	7.889	
7,500.00	7,450.04	7,323.15	7,177.20	26.46	25.45	18.88	-3.23	-341.57	341.47	304.94	36.54	9.346	
7,600.00	7,519.81	7,383.09	7,204.19	26.65	25.53	15.87	-56.72	-341.90	365.78	332.15	33.63	10.876	
7,700.00	7,576.11	7,450.00	7,227.53	26.83	25.61	13.28	-119.38	-342.29	384.38	353.01	31.37	12.254	
7,800.00	7,617.23	7,500.00	7,240.12	26.99	25.66	11.64	-167.76	-342.59	396.50	367.72	28.78	13.776	
7,900.00	7,643.30	7,550.00	7,248.44	27.11	25.70	10.27	-217.04	-342.90	403.84	376.67	27.18	14.860	
8,000.00	7,660.07	7,617.84	7,252.81	27.23	25.75	8.50	-284.70	-343.33	411.97	385.28	26.69	15.435	
8,100.00	7,668.19	7,716.22	7,253.63	27.34	25.84	6.15	-383.07	-343.94	417.10	390.47	26.63	15.663	
8,200.00	7,668.96	7,814.97	7,254.45	27.45	25.94	4.05	-481.82	-344.56	415.63	388.83	26.80	15.509	
8,300.00	7,668.89	7,914.17	7,255.27	27.58	26.07	2.37	-581.01	-345.18	414.01	386.80	27.21	15.215	
8,400.00	7,668.82	8,013.75	7,256.09	27.72	26.22	1.14	-680.58	-345.80	412.83	385.01	27.82	14.841	
8,500.00	7,668.76	8,113.58	7,256.92	27.89	26.39	0.38	-780.41	-346.43	411.86	383.29	28.57	14.417	
8,600.00	7,668.69	8,213.55	7,257.75	28.07	26.58	0.10	-880.38	-347.05	410.95	381.52	29.44	13.961	
8,700.00	7,668.62	8,313.54	7,258.58	28.26	26.79	0.10	-980.37	-347.68	410.06	379.67	30.39	13.495	
8,800.00	7,668.55	8,413.54	7,259.41	28.48	27.03	0.10	-1,080.36	-348.31	409.16	377.77	31.39	13.036	
8,900.00	7,668.49	8,513.53	7,260.24	28.71	27.28	0.10	-1,180.35	-348.93	408.27	375.83	32.43	12.588	
9,000.00	7,668.42	8,613.53	7,261.07	28.96	27.55	0.10	-1,280.34	-349.56	407.37	373.85	33.52	12.153	
9,100.00	7,668.35	8,713.53	7,261.89	29.23	27.83	0.10	-1,380.33	-350.18	406.47	371.83	34.64	11.733	
9,200.00	7,668.29	8,813.52	7,262.72	29.51	28.14	0.10	-1,480.32	-350.81	405.58	369.78	35.80	11.329	
9,300.00	7,668.22	8,913.52	7,263.55	29.81	28.46	0.10	-1,580.31	-351.43	404.68	367.70	36.99	10.941	
9,400.00	7,668.15	9,013.51	7,264.38	30.13	28.80	0.10	-1,680.30	-352.06	403.79	365.58	38.20	10.570	
9,500.00	7,668.09	9,113.51	7,265.21	30.46	29.15	0.10	-1,780.29	-352.69	402.89	363.45	39.44	10.214	
9,600.00	7,668.02	9,213.51	7,266.04	30.81	29.52	0.10	-1,880.28	-353.31	402.00	361.29	40.71	9.876	
9,700.00	7,667.95	9,313.50	7,266.87	31.18	29.91	0.10	-1,980.27	-353.94	401.10	359.11	41.99	9.552	
9,800.00	7,667.89	9,413.50	7,267.70	31.56	30.31	0.10	-2,080.26	-354.56	400.20	356.91	43.29	9.244	
9,900.00	7,667.82	9,513.49	7,268.52	31.95	30.72	0.10	-2,180.25	-355.19	399.31	354.70	44.61	8.951	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 16H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	7,667.75	9,613.49	7,269.35	32.35	31.15	0.10	-2,280.24	-355.81	398.41	352.47	45.95	8.671	
10,100.00	7,667.69	9,713.49	7,270.18	32.77	31.59	0.10	-2,380.23	-356.44	397.52	350.22	47.30	8.405	
10,200.00	7,667.62	9,813.48	7,271.01	33.20	32.04	0.10	-2,480.22	-357.07	396.62	347.96	48.66	8.151	
10,300.00	7,667.55	9,913.48	7,271.84	33.64	32.50	0.10	-2,580.22	-357.69	395.73	345.69	50.03	7.909	
10,400.00	7,667.48	10,013.47	7,272.67	34.10	32.97	0.09	-2,680.21	-358.32	394.83	343.41	51.42	7.679	
10,500.00	7,667.42	10,113.47	7,273.50	34.56	33.46	0.09	-2,780.20	-358.94	393.93	341.12	52.82	7.459	
10,600.00	7,667.35	10,213.47	7,274.33	35.04	33.95	0.09	-2,880.19	-359.57	393.04	338.82	54.22	7.249	
10,700.00	7,667.28	10,313.46	7,275.15	35.52	34.46	0.09	-2,980.18	-360.19	392.14	336.51	55.64	7.048	
10,800.00	7,667.22	10,413.46	7,275.98	36.02	34.97	0.09	-3,080.17	-360.82	391.25	334.19	57.06	6.857	
10,900.00	7,667.15	10,513.45	7,276.81	36.52	35.50	0.09	-3,180.16	-361.45	390.35	331.86	58.49	6.674	
11,000.00	7,667.08	10,613.45	7,277.64	37.04	36.03	0.09	-3,280.15	-362.07	389.46	329.53	59.93	6.499	
11,100.00	7,667.02	10,713.45	7,278.47	37.56	36.57	0.09	-3,380.14	-362.70	388.56	327.19	61.37	6.331	
11,200.00	7,666.95	10,813.44	7,279.30	38.09	37.12	0.09	-3,480.13	-363.32	387.66	324.85	62.82	6.171	
11,300.00	7,666.88	10,913.44	7,280.13	38.63	37.67	0.09	-3,580.12	-363.95	386.77	322.49	64.27	6.017	
11,400.00	7,666.82	11,013.43	7,280.96	39.17	38.24	0.09	-3,680.11	-364.57	385.87	320.14	65.73	5.870	
11,500.00	7,666.75	11,113.43	7,281.79	39.72	38.81	0.09	-3,780.10	-365.20	384.98	317.78	67.20	5.729	
11,600.00	7,666.68	11,213.43	7,282.61	40.28	39.38	0.09	-3,880.09	-365.83	384.08	315.41	68.67	5.593	
11,700.00	7,666.62	11,313.42	7,283.44	40.85	39.96	0.09	-3,980.08	-366.45	383.19	313.04	70.14	5.463	
11,800.00	7,666.55	11,413.42	7,284.27	41.42	40.55	0.09	-4,080.07	-367.08	382.29	310.67	71.62	5.338	
11,900.00	7,666.48	11,513.41	7,285.10	42.00	41.15	0.09	-4,180.06	-367.70	381.39	308.29	73.11	5.217	
12,000.00	7,666.41	11,613.41	7,285.93	42.58	41.75	0.09	-4,280.06	-368.33	380.50	305.91	74.59	5.101	
12,100.00	7,666.35	11,713.40	7,286.76	43.17	42.35	0.14	-4,380.04	-368.95	379.60	303.52	76.08	4.989	
12,200.00	7,666.28	11,813.36	7,287.59	43.77	42.96	0.64	-4,480.00	-369.54	378.73	301.11	77.62	4.879	
12,300.00	7,666.21	11,913.47	7,288.41	44.37	43.58	1.33	-4,580.09	-367.87	377.91	298.73	79.18	4.773	
12,400.00	7,666.14	12,013.77	7,289.24	44.97	44.20	1.78	-4,680.24	-362.70	377.09	296.38	80.71	4.672	
12,500.00	7,666.07	12,113.90	7,290.06	45.58	44.83	1.81	-4,780.06	-354.80	376.21	293.99	82.22	4.576	
12,600.00	7,666.00	12,213.90	7,290.88	46.20	45.46	1.82	-4,879.72	-346.71	375.32	291.60	83.72	4.483	
12,700.00	7,665.93	12,313.89	7,291.70	46.82	46.10	1.82	-4,979.39	-338.62	374.43	289.21	85.22	4.393	
12,800.00	7,665.86	12,413.89	7,292.52	47.44	46.74	1.77	-5,079.05	-330.53	373.53	286.80	86.73	4.307	
12,900.00	7,665.79	12,513.78	7,293.34	48.07	47.38	1.27	-5,178.62	-322.50	372.56	284.36	88.19	4.224	
13,000.00	7,665.72	12,613.47	7,294.16	48.70	48.03	0.57	-5,278.13	-316.72	371.59	281.94	89.65	4.145	
13,100.00	7,665.65	12,713.32	7,294.98	49.34	48.67	-0.13	-5,377.94	-314.41	370.68	279.58	91.10	4.069	
13,200.00	7,665.58	12,813.32	7,295.81	49.98	49.32	-0.83	-5,477.93	-315.58	369.82	277.27	92.56	3.996	
13,300.00	7,665.51	12,913.49	7,296.63	50.61	49.98	-1.48	-5,577.98	-320.25	369.01	275.00	94.02	3.925	
13,400.00	7,665.44	13,013.77	7,297.45	51.25	50.63	-1.68	-5,677.92	-328.38	368.16	272.64	95.52	3.854	
13,500.00	7,665.37	13,113.76	7,298.27	51.89	51.28	-1.68	-5,777.48	-337.73	367.27	270.23	97.04	3.785	
13,600.00	7,665.30	13,213.76	7,299.09	52.54	51.93	-1.69	-5,877.03	-347.07	366.38	267.82	98.56	3.717	
13,700.00	7,665.23	13,313.76	7,299.92	53.19	52.59	-1.69	-5,976.59	-356.41	365.49	265.40	100.09	3.652	
13,800.00	7,665.16	13,413.74	7,300.74	53.84	53.24	-1.44	-6,076.13	-365.75	364.56	262.93	101.63	3.587	
13,900.00	7,665.09	13,513.51	7,301.55	54.50	53.90	-0.76	-6,175.52	-374.31	363.59	260.37	103.22	3.523	
14,000.00	7,665.03	13,613.33	7,302.38	55.16	54.57	-0.11	-6,275.20	-379.62	362.66	257.86	104.80	3.460	
14,100.00	7,664.96	13,713.33	7,303.21	55.83	55.25	0.09	-6,375.17	-381.49	361.77	255.42	106.35	3.402	
14,200.00	7,664.90	13,813.33	7,304.04	56.49	55.92	0.09	-6,475.16	-382.11	360.87	252.99	107.88	3.345	
14,300.00	7,664.83	13,913.32	7,304.87	57.16	56.60	0.09	-6,575.15	-382.74	359.98	250.56	109.41	3.290	
14,400.00	7,664.76	14,013.32	7,305.70	57.84	57.29	0.09	-6,675.14	-383.36	359.08	248.14	110.94	3.237	
14,500.00	7,664.70	14,113.31	7,306.53	58.51	57.97	0.09	-6,775.13	-383.99	358.18	245.71	112.48	3.185	
14,600.00	7,664.63	14,213.31	7,307.36	59.19	58.66	0.08	-6,875.12	-384.61	357.29	243.28	114.01	3.134	
14,700.00	7,664.56	14,313.31	7,308.19	59.87	59.35	0.08	-6,975.11	-385.24	356.39	240.84	115.55	3.084	
14,800.00	7,664.50	14,413.30	7,309.02	60.55	60.04	0.08	-7,075.10	-385.86	355.49	238.41	117.08	3.036	
14,900.00	7,664.43	14,513.30	7,309.85	61.24	60.73	0.08	-7,175.09	-386.49	354.60	235.98	118.62	2.989	
15,000.00	7,664.37	14,613.29	7,310.68	61.92	61.42	0.08	-7,275.08	-387.11	353.70	233.55	120.16	2.944	
15,100.00	7,664.30	14,713.29	7,311.51	62.61	62.12	0.08	-7,375.07	-387.74	352.81	231.11	121.70	2.899	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 16H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,200.00	7,664.23	14,813.28	7,312.34	63.30	62.81	0.08	-7,475.06	-388.37	351.91	228.67	123.24	2.856	
15,300.00	7,664.17	14,913.28	7,313.16	63.99	63.51	0.08	-7,575.06	-388.99	351.01	226.24	124.78	2.813	
15,400.00	7,664.10	15,013.28	7,313.99	64.68	64.21	0.08	-7,675.05	-389.62	350.12	223.80	126.32	2.772	
15,500.00	7,664.03	15,113.27	7,314.82	65.37	64.91	0.08	-7,775.04	-390.24	349.22	221.36	127.86	2.731	
15,600.00	7,663.97	15,213.27	7,315.65	66.07	65.62	0.08	-7,875.03	-390.87	348.33	218.92	129.40	2.692	
15,700.00	7,663.90	15,313.26	7,316.48	66.77	66.32	0.08	-7,975.02	-391.49	347.43	216.49	130.94	2.653	
15,800.00	7,663.83	15,413.26	7,317.31	67.47	67.03	0.07	-8,075.01	-392.12	346.53	214.05	132.49	2.616	
15,900.00	7,663.77	15,513.26	7,318.14	68.17	67.73	0.07	-8,175.00	-392.74	345.64	211.61	134.03	2.579	
16,000.00	7,663.70	15,613.25	7,318.97	68.87	68.44	0.07	-8,274.99	-393.37	344.74	209.16	135.58	2.543	
16,100.00	7,663.64	15,713.25	7,319.80	69.57	69.15	0.07	-8,374.98	-393.99	343.85	206.72	137.12	2.508	
16,200.00	7,663.57	15,813.24	7,320.63	70.27	69.86	0.07	-8,474.97	-394.62	342.95	204.28	138.67	2.473	
16,300.00	7,663.50	15,913.24	7,321.46	70.98	70.57	0.07	-8,574.96	-395.24	342.05	201.84	140.21	2.440	
16,400.00	7,663.44	16,013.24	7,322.29	71.69	71.28	0.07	-8,674.95	-395.87	341.16	199.40	141.76	2.407	
16,500.00	7,663.37	16,113.23	7,323.12	72.39	72.00	0.07	-8,774.94	-396.49	340.26	196.95	143.31	2.374	
16,600.00	7,663.30	16,213.23	7,323.95	73.10	72.71	0.07	-8,874.93	-397.12	339.36	194.51	144.86	2.343	
16,700.00	7,663.24	16,313.22	7,324.78	73.81	73.43	0.07	-8,974.92	-397.74	338.47	192.06	146.40	2.312	
16,800.00	7,663.17	16,413.22	7,325.61	74.52	74.15	0.07	-9,074.91	-398.37	337.57	189.62	147.95	2.282	
16,900.00	7,663.11	16,513.22	7,326.44	75.23	74.86	0.07	-9,174.90	-398.99	336.68	187.17	149.50	2.252	
17,000.00	7,663.04	16,613.21	7,327.27	75.95	75.58	0.06	-9,274.90	-399.62	335.78	184.73	151.05	2.223	
17,100.00	7,662.97	16,713.21	7,328.10	76.66	76.30	0.06	-9,374.89	-400.24	334.88	182.28	152.60	2.194	
17,200.00	7,662.91	16,813.20	7,328.93	77.38	77.02	0.06	-9,474.88	-400.87	333.99	179.84	154.15	2.167	
17,300.00	7,662.84	16,913.20	7,329.76	78.09	77.74	0.06	-9,574.87	-401.49	333.09	177.39	155.70	2.139	
17,400.00	7,662.77	17,013.20	7,330.59	78.81	78.46	0.06	-9,674.86	-402.12	332.20	174.94	157.25	2.112	
17,500.00	7,662.71	17,113.19	7,331.42	79.53	79.19	0.06	-9,774.85	-402.74	331.30	172.49	158.81	2.086	
17,600.00	7,662.64	17,213.19	7,332.25	80.24	79.91	0.06	-9,874.84	-403.37	330.40	170.05	160.36	2.060	
17,700.00	7,662.58	17,313.18	7,333.08	80.96	80.64	0.06	-9,974.83	-403.99	329.51	167.60	161.91	2.035	
17,800.00	7,662.51	17,413.18	7,333.91	81.68	81.36	0.06	-10,074.82	-404.62	328.61	165.15	163.46	2.010	
17,900.00	7,662.44	17,513.18	7,334.74	82.41	82.09	0.06	-10,174.81	-405.25	327.72	162.70	165.02	1.986	
18,000.00	7,662.38	17,613.17	7,335.57	83.13	82.81	0.06	-10,274.80	-405.87	326.82	160.25	166.57	1.962	
18,100.00	7,662.31	17,713.17	7,336.40	83.85	83.54	0.05	-10,374.79	-406.50	325.92	157.80	168.12	1.939	
18,200.00	7,662.24	17,813.16	7,337.23	84.57	84.27	0.05	-10,474.78	-407.12	325.03	155.35	169.68	1.916	
18,300.00	7,662.18	17,913.16	7,338.06	85.30	85.00	0.05	-10,574.77	-407.75	324.13	152.90	171.23	1.893	
18,400.00	7,662.11	18,013.16	7,338.89	86.02	85.73	0.05	-10,674.76	-408.37	323.23	150.45	172.78	1.871	
18,500.00	7,662.04	18,113.15	7,339.72	86.75	86.46	0.05	-10,774.75	-409.00	322.34	148.00	174.34	1.849	
18,600.00	7,661.98	18,213.15	7,340.55	87.47	87.19	0.05	-10,874.74	-409.62	321.44	145.55	175.89	1.827	
18,700.00	7,661.91	18,313.14	7,341.38	88.20	87.92	0.05	-10,974.74	-410.25	320.55	143.10	177.45	1.806	
18,800.00	7,661.85	18,413.14	7,342.21	88.93	88.65	0.05	-11,074.73	-410.87	319.65	140.65	179.00	1.786	
18,900.00	7,661.78	18,513.14	7,343.04	89.65	89.38	0.05	-11,174.72	-411.50	318.75	138.19	180.56	1.765	
19,000.00	7,661.71	18,613.13	7,343.87	90.38	90.11	0.05	-11,274.71	-412.12	317.86	135.74	182.12	1.745	
19,100.00	7,661.65	18,713.13	7,344.70	91.11	90.85	0.04	-11,374.70	-412.75	316.96	133.29	183.67	1.726	
19,200.00	7,661.58	18,813.12	7,345.53	91.84	91.58	0.04	-11,474.69	-413.37	316.07	130.84	185.23	1.706	
19,300.00	7,661.51	18,913.12	7,346.36	92.57	92.31	0.04	-11,574.68	-414.00	315.17	128.39	186.78	1.687	
19,400.00	7,661.45	19,013.12	7,347.19	93.30	93.05	0.04	-11,674.67	-414.62	314.27	125.93	188.34	1.669	
19,500.00	7,661.38	19,113.11	7,348.02	94.03	93.78	0.04	-11,774.66	-415.25	313.38	123.48	189.90	1.650	
19,600.00	7,661.32	19,213.11	7,348.84	94.77	94.52	0.04	-11,874.65	-415.87	312.48	121.03	191.46	1.632	
19,700.00	7,661.25	19,313.10	7,349.67	95.50	95.25	0.04	-11,974.64	-416.50	311.59	118.57	193.01	1.614	
19,800.00	7,661.18	19,413.10	7,350.50	96.23	95.99	0.04	-12,074.63	-417.12	310.69	116.12	194.57	1.597	
19,900.00	7,661.12	19,513.10	7,351.33	96.96	96.73	0.04	-12,174.62	-417.75	309.79	113.67	196.13	1.580	
20,000.00	7,661.05	19,613.09	7,352.16	97.70	97.47	0.04	-12,274.61	-418.37	308.90	111.21	197.69	1.563	
20,100.00	7,660.98	19,713.09	7,352.99	98.43	98.20	0.03	-12,374.60	-419.00	308.00	108.76	199.24	1.546	
20,200.00	7,660.92	19,813.08	7,353.82	99.17	98.94	0.03	-12,474.59	-419.62	307.10	106.30	200.80	1.529	
20,300.00	7,660.85	19,913.08	7,354.65	99.90	99.68	0.03	-12,574.58	-420.25	306.21	103.85	202.36	1.513	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 16H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,400.00	7,660.78	20,013.08	7,355.48	100.64	100.42	0.03	-12,674.58	-420.88	305.31	101.39	203.92	1.497	Level 3
20,500.00	7,660.72	20,113.07	7,356.31	101.37	101.16	0.03	-12,774.57	-421.50	304.42	98.94	205.48	1.482	Level 3
20,600.00	7,660.65	20,213.07	7,357.14	102.11	101.90	0.03	-12,874.56	-422.13	303.52	96.48	207.04	1.466	Level 3
20,700.00	7,660.59	20,313.06	7,357.97	102.85	102.64	0.03	-12,974.55	-422.75	302.62	94.03	208.60	1.451	Level 3
20,800.00	7,660.52	20,413.06	7,358.80	103.58	103.38	0.03	-13,074.54	-423.38	301.73	91.57	210.16	1.436	Level 3
20,900.00	7,660.45	20,513.06	7,359.63	104.32	104.12	0.03	-13,174.53	-424.00	300.83	89.12	211.71	1.421	Level 3
21,000.00	7,660.39	20,613.05	7,360.46	105.06	104.86	0.02	-13,274.52	-424.63	299.94	86.66	213.27	1.406	Level 3
21,100.00	7,660.32	20,713.05	7,361.29	105.80	105.60	0.02	-13,374.51	-425.25	299.04	84.21	214.83	1.392	Level 3
21,200.00	7,660.25	20,813.04	7,362.12	106.54	106.34	0.02	-13,474.50	-425.88	298.14	81.75	216.39	1.378	Level 3
21,300.00	7,660.19	20,913.04	7,362.95	107.28	107.08	0.02	-13,574.49	-426.50	297.25	79.29	217.95	1.364	Level 3
21,400.00	7,660.12	21,013.04	7,363.78	108.02	107.83	0.02	-13,674.48	-427.13	296.35	76.84	219.51	1.350	Level 3
21,500.00	7,660.06	21,113.03	7,364.61	108.76	108.57	0.02	-13,774.47	-427.75	295.46	74.38	221.07	1.336	Level 3
21,600.00	7,659.99	21,213.03	7,365.44	109.50	109.31	0.02	-13,874.46	-428.38	294.56	71.93	222.63	1.323	Level 3
21,700.00	7,659.92	21,313.02	7,366.27	110.24	110.06	0.02	-13,974.45	-429.00	293.66	69.47	224.19	1.310	Level 3
21,800.00	7,659.86	21,413.02	7,367.10	110.98	110.80	0.02	-14,074.44	-429.63	292.77	67.01	225.76	1.297	Level 3
21,900.00	7,659.79	21,513.02	7,367.93	111.72	111.54	0.01	-14,174.43	-430.25	291.87	64.55	227.32	1.284	Level 3
22,000.00	7,659.72	21,613.01	7,368.76	112.46	112.29	0.01	-14,274.42	-430.88	290.97	62.10	228.88	1.271	Level 3
22,100.00	7,659.66	21,713.01	7,369.59	113.20	113.03	0.01	-14,374.42	-431.50	290.08	59.64	230.44	1.259	Level 3
22,200.00	7,659.59	21,813.00	7,370.42	113.94	113.78	0.01	-14,474.41	-432.13	289.18	57.18	232.00	1.246	Level 2
22,300.00	7,659.53	21,913.00	7,371.25	114.69	114.52	0.01	-14,574.40	-432.75	288.29	54.73	233.56	1.234	Level 2
22,400.00	7,659.46	22,013.00	7,372.08	115.43	115.27	0.01	-14,674.39	-433.38	287.39	52.27	235.12	1.222	Level 2
22,500.00	7,659.39	22,112.99	7,372.91	116.17	116.01	0.01	-14,774.38	-434.00	286.49	49.81	236.68	1.210	Level 2
22,600.00	7,659.33	22,212.99	7,373.74	116.91	116.76	0.01	-14,874.37	-434.63	285.60	47.35	238.24	1.199	Level 2
22,700.00	7,659.26	22,312.98	7,374.57	117.66	117.50	0.00	-14,974.36	-435.25	284.70	44.90	239.81	1.187	Level 2
22,800.00	7,659.19	22,412.98	7,375.40	118.40	118.25	0.00	-15,074.35	-435.88	283.81	42.44	241.37	1.176	Level 2
22,900.00	7,659.13	22,512.98	7,376.23	119.15	119.00	0.00	-15,174.34	-436.50	282.91	39.98	242.93	1.165	Level 2
23,000.00	7,659.06	22,612.97	7,377.06	119.89	119.74	0.00	-15,274.33	-437.13	282.01	37.52	244.49	1.153	Level 2
23,091.89	7,659.00	22,702.53	7,377.80	120.57	120.41	0.00	-15,363.88	-437.69	281.20	35.25	245.95	1.143	Level 2, SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 19H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.20	0.00	0.00	0.00	-90.63	-0.22	-19.99	19.99				
100.00	100.00	100.20	100.00	0.28	0.28	-90.63	-0.22	-19.99	19.99	19.44	0.55	36.166	
200.00	200.00	200.20	200.00	0.63	0.64	-90.63	-0.22	-19.99	19.99	18.72	1.27	15.745	
300.00	300.00	300.20	300.00	0.99	0.99	-90.63	-0.22	-19.99	19.99	18.00	1.99	10.063	
400.00	400.00	400.20	400.00	1.35	1.35	-90.63	-0.22	-19.99	19.99	17.29	2.70	7.394	
500.00	500.00	500.20	500.00	1.71	1.71	-90.63	-0.22	-19.99	19.99	16.57	3.42	5.844	
600.00	600.00	600.20	600.00	2.07	2.07	-90.63	-0.22	-19.99	19.99	15.85	4.14	4.832	
700.00	700.00	700.20	700.00	2.43	2.43	-90.63	-0.22	-19.99	19.99	15.14	4.85	4.118	
800.00	800.00	800.20	800.00	2.79	2.79	-90.63	-0.22	-19.99	19.99	14.42	5.57	3.588	
900.00	900.00	900.20	900.00	3.14	3.14	-90.63	-0.22	-19.99	19.99	13.70	6.29	3.179	
1,000.00	1,000.00	1,000.20	1,000.00	3.50	3.50	-90.63	-0.22	-19.99	19.99	12.99	7.01	2.854	
1,100.00	1,100.00	1,100.20	1,100.00	3.86	3.86	-90.63	-0.22	-19.99	19.99	12.27	7.72	2.589	
1,200.00	1,200.00	1,200.20	1,200.00	4.22	4.22	-90.63	-0.22	-19.99	19.99	11.55	8.44	2.369	
1,300.00	1,300.00	1,300.20	1,300.00	4.58	4.58	-90.63	-0.22	-19.99	19.99	10.84	9.16	2.183	
1,400.00	1,400.00	1,400.20	1,400.00	4.94	4.94	-90.63	-0.22	-19.99	19.99	10.12	9.87	2.025	
1,500.00	1,500.00	1,500.20	1,500.00	5.29	5.30	-90.63	-0.22	-19.99	19.99	9.40	10.59	1.888	
1,600.00	1,600.00	1,600.20	1,600.00	5.65	5.65	-90.63	-0.22	-19.99	19.99	8.68	11.31	1.768	
1,700.00	1,700.00	1,700.20	1,700.00	6.01	6.01	-90.63	-0.22	-19.99	19.99	7.97	12.02	1.663	
1,716.60	1,716.60	1,716.80	1,716.60	6.07	6.07	-90.63	-0.22	-19.99	19.99	7.85	12.14	1.646	CC
1,800.00	1,800.00	1,800.00	1,799.80	6.37	6.37	-90.63	-0.22	-19.99	19.99	7.25	12.74	1.569	ES, SF
1,900.00	1,900.00	1,899.54	1,899.32	6.73	6.72	-88.61	0.52	-21.55	21.57	8.12	13.44	1.604	
2,000.00	2,000.00	1,998.63	1,998.28	7.09	7.07	-84.03	2.74	-26.20	26.40	12.27	14.13	1.869	
2,100.00	2,099.98	2,097.39	2,096.66	7.44	7.42	-48.84	6.41	-33.91	33.51	18.71	14.80	2.265	
2,200.00	2,199.84	2,195.83	2,194.37	7.80	7.76	-49.31	11.52	-44.64	41.64	26.19	15.45	2.696	
2,300.00	2,299.46	2,294.82	2,292.25	8.16	8.11	-51.61	17.88	-57.97	50.29	34.17	16.12	3.120	
2,400.00	2,398.96	2,394.45	2,390.72	8.51	8.47	-54.22	24.40	-71.67	58.54	41.71	16.83	3.479	
2,500.00	2,498.46	2,494.08	2,489.19	8.87	8.82	-56.18	30.93	-85.36	66.88	49.35	17.54	3.814	
2,600.00	2,597.96	2,593.71	2,587.65	9.23	9.18	-57.71	37.46	-99.06	75.29	57.04	18.25	4.126	
2,700.00	2,697.46	2,693.33	2,686.12	9.58	9.54	-58.93	43.98	-112.75	83.73	64.77	18.96	4.416	
2,800.00	2,796.96	2,792.96	2,784.59	9.94	9.90	-59.93	50.51	-126.45	92.21	72.53	19.67	4.687	
2,900.00	2,896.47	2,892.59	2,883.05	10.30	10.26	-60.76	57.03	-140.15	100.70	80.32	20.39	4.940	
3,000.00	2,995.97	2,992.22	2,981.52	10.66	10.62	-61.46	63.56	-153.84	109.22	88.12	21.10	5.176	
3,100.00	3,095.47	3,091.85	3,079.99	11.02	10.98	-62.06	70.09	-167.54	117.75	95.93	21.82	5.397	
3,200.00	3,194.97	3,191.48	3,178.45	11.38	11.34	-62.57	76.61	-181.23	126.29	103.76	22.53	5.605	
3,300.00	3,294.47	3,291.11	3,276.92	11.74	11.70	-63.02	83.14	-194.93	134.84	111.59	23.25	5.799	
3,400.00	3,393.97	3,390.73	3,375.39	12.10	12.06	-63.42	89.66	-208.62	143.40	119.43	23.97	5.983	
3,500.00	3,493.48	3,490.36	3,473.85	12.46	12.43	-63.78	96.19	-222.32	151.96	127.27	24.69	6.155	
3,600.00	3,592.98	3,589.99	3,572.32	12.82	12.79	-64.09	102.72	-236.02	160.53	135.12	25.41	6.318	
3,700.00	3,692.48	3,689.62	3,670.79	13.18	13.16	-64.37	109.24	-249.71	169.10	142.97	26.13	6.472	
3,800.00	3,791.98	3,789.25	3,769.25	13.54	13.52	-64.63	115.77	-263.41	177.68	150.83	26.85	6.618	
3,900.00	3,891.48	3,888.88	3,867.72	13.90	13.89	-64.86	122.29	-277.10	186.26	158.69	27.57	6.756	
4,000.00	3,990.98	3,988.51	3,966.19	14.26	14.25	-65.08	128.82	-290.80	194.84	166.55	28.29	6.887	
4,100.00	4,090.49	4,088.13	4,064.65	14.62	14.62	-65.27	135.35	-304.50	203.42	174.41	29.01	7.011	
4,200.00	4,189.99	4,187.76	4,163.12	14.98	14.98	-65.45	141.87	-318.19	212.01	182.27	29.74	7.130	
4,300.00	4,289.49	4,287.39	4,261.59	15.35	15.35	-65.61	148.40	-331.89	220.60	190.14	30.46	7.243	
4,400.00	4,388.99	4,387.02	4,360.05	15.71	15.72	-65.77	154.92	-345.58	229.19	198.01	31.18	7.350	
4,500.00	4,488.49	4,486.65	4,458.52	16.07	16.08	-65.91	161.45	-359.28	237.78	205.88	31.90	7.453	
4,600.00	4,587.99	4,586.28	4,556.99	16.43	16.45	-66.04	167.98	-372.98	246.37	213.75	32.63	7.551	
4,700.00	4,687.50	4,685.91	4,655.45	16.79	16.82	-66.16	174.50	-386.67	254.97	221.62	33.35	7.645	
4,800.00	4,787.00	4,785.53	4,753.92	17.16	17.18	-66.27	181.03	-400.37	263.56	229.49	34.08	7.734	
4,900.00	4,886.50	4,885.16	4,852.39	17.52	17.55	-66.38	187.56	-414.06	272.16	237.36	34.80	7.820	
5,000.00	4,986.00	4,984.79	4,950.85	17.88	17.92	-66.48	194.08	-427.76	280.76	245.23	35.53	7.903	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 19H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,084.42	5,049.32	18.24	18.29	-66.58	200.61	-441.46	289.36	253.10	36.25	7.982	
5,200.00	5,185.00	5,184.05	5,147.79	18.61	18.66	-66.67	207.13	-455.15	297.95	260.98	36.98	8.058	
5,300.00	5,284.51	5,283.68	5,246.25	18.97	19.02	-66.75	213.66	-468.85	306.55	268.85	37.70	8.131	
5,400.00	5,384.01	5,383.31	5,344.72	19.33	19.39	-66.83	220.19	-482.54	315.15	276.73	38.43	8.201	
5,500.00	5,483.59	5,482.90	5,443.15	19.69	19.76	-66.88	226.71	-496.24	324.09	284.93	39.15	8.278	
5,600.00	5,583.41	5,582.31	5,541.41	20.05	20.13	-66.49	233.22	-509.90	334.33	294.46	39.88	8.385	
5,700.00	5,683.38	5,681.42	5,639.35	20.41	20.50	-65.63	239.71	-523.53	346.04	305.45	40.59	8.524	
5,800.00	5,783.38	5,780.26	5,737.04	20.76	20.86	-96.83	246.19	-537.11	358.84	317.53	41.31	8.686	
5,900.00	5,883.38	5,879.09	5,834.72	21.12	21.23	-95.58	252.66	-550.70	371.84	329.82	42.03	8.848	
6,000.00	5,983.38	5,977.92	5,932.40	21.47	21.59	-94.41	259.14	-564.29	385.01	342.26	42.74	9.007	
6,100.00	6,083.38	6,076.76	6,030.08	21.83	21.96	-93.32	265.61	-577.87	398.32	354.86	43.46	9.165	
6,200.00	6,183.38	6,185.07	6,137.27	22.18	22.36	-92.27	272.29	-591.90	411.01	366.75	44.27	9.285	
6,300.00	6,283.38	6,299.24	6,250.78	22.54	22.78	-91.50	277.54	-602.90	420.51	375.43	45.08	9.327	
6,400.00	6,383.38	6,414.20	6,365.48	22.89	23.19	-91.03	280.84	-609.85	426.49	380.64	45.85	9.301	
6,500.00	6,483.38	6,529.61	6,480.83	23.25	23.60	-90.85	282.17	-612.63	428.89	382.32	46.56	9.211	
6,600.00	6,583.38	6,632.15	6,583.38	23.60	23.95	-90.84	282.20	-612.69	428.94	381.67	47.26	9.076	
6,700.00	6,683.38	6,732.15	6,683.38	23.96	24.30	-90.84	282.20	-612.69	428.94	380.97	47.96	8.943	
6,800.00	6,783.38	6,832.15	6,783.38	24.32	24.65	-90.84	282.20	-612.69	428.94	380.27	48.66	8.814	
6,900.00	6,883.38	6,932.15	6,883.38	24.67	24.99	-90.84	282.20	-612.69	428.94	379.57	49.37	8.689	
7,000.00	6,983.38	7,032.15	6,983.38	25.03	25.34	-90.84	282.20	-612.69	428.94	378.87	50.07	8.567	
7,100.00	7,083.38	7,132.15	7,083.38	25.38	25.69	79.46	282.20	-612.69	428.93	378.16	50.77	8.448	
7,200.00	7,182.76	7,231.53	7,182.76	25.70	26.04	80.93	282.20	-612.69	427.23	375.80	51.43	8.307	
7,300.00	7,278.91	7,327.69	7,278.91	25.99	26.37	84.74	282.20	-612.69	423.74	371.67	52.07	8.138	
7,396.50	7,365.90	7,414.67	7,365.90	26.24	26.67	90.00	282.20	-612.69	421.70	369.06	52.64	8.011	
7,400.00	7,368.92	7,417.69	7,368.92	26.25	26.68	90.20	282.20	-612.69	421.70	369.04	52.66	8.008	
7,500.00	7,450.04	7,498.81	7,450.04	26.46	26.97	96.16	282.20	-612.69	425.95	372.74	53.21	8.006	
7,600.00	7,519.81	7,568.58	7,519.81	26.65	27.21	101.17	282.20	-612.69	441.72	388.03	53.69	8.227	
7,700.00	7,576.11	7,624.88	7,576.11	26.83	27.41	103.95	282.20	-612.69	472.87	418.78	54.09	8.742	
7,800.00	7,617.23	7,666.00	7,617.23	26.99	27.55	103.45	282.20	-612.69	520.42	466.03	54.39	9.568	
7,900.00	7,643.30	7,692.08	7,643.30	27.11	27.64	101.34	282.20	-612.69	582.23	527.65	54.59	10.666	
8,000.00	7,660.07	7,708.85	7,660.07	27.23	27.70	98.40	282.20	-612.69	654.09	599.38	54.71	11.955	
8,100.00	7,668.19	7,716.96	7,668.19	27.34	27.73	93.06	282.20	-612.69	733.08	678.29	54.79	13.381	
8,200.00	7,668.96	7,717.73	7,668.96	27.45	27.73	89.93	282.20	-612.69	817.18	762.36	54.82	14.907	
8,300.00	7,668.89	7,717.66	7,668.89	27.58	27.73	89.91	282.20	-612.69	905.94	851.10	54.84	16.519	
8,400.00	7,668.82	7,717.60	7,668.82	27.72	27.73	89.90	282.20	-612.69	998.17	943.30	54.87	18.193	
8,500.00	7,668.76	7,717.53	7,668.76	27.89	27.73	89.87	282.20	-612.69	1,092.88	1,038.00	54.89	19.912	
8,600.00	7,668.69	9,710.14	8,749.80	28.07	31.94	165.79	-875.26	-619.94	1,115.21	1,081.93	33.28	33.507	
8,631.54	7,668.67	9,741.68	8,749.80	28.13	31.99	165.80	-906.80	-620.13	1,115.21	1,081.68	33.52	33.266	
8,700.00	7,668.62	9,810.14	8,749.80	28.26	32.12	165.80	-975.26	-620.56	1,115.27	1,081.22	34.05	32.752	
8,800.00	7,668.55	9,910.14	8,749.80	28.48	32.32	165.80	-1,075.26	-621.19	1,115.33	1,080.46	34.87	31.982	
8,900.00	7,668.49	10,010.14	8,749.80	28.71	32.53	165.80	-1,175.25	-621.81	1,115.40	1,079.65	35.75	31.204	
9,000.00	7,668.42	10,110.14	8,749.80	28.96	32.76	165.80	-1,275.25	-622.44	1,115.46	1,078.80	36.66	30.424	
9,100.00	7,668.35	10,210.14	8,749.80	29.23	33.00	165.80	-1,375.25	-623.07	1,115.52	1,077.90	37.63	29.648	
9,200.00	7,668.29	10,310.14	8,749.80	29.51	33.26	165.80	-1,475.25	-623.69	1,115.59	1,076.96	38.63	28.882	
9,300.00	7,668.22	10,410.14	8,749.80	29.81	33.54	165.80	-1,575.25	-624.32	1,115.65	1,075.99	39.66	28.128	
9,400.00	7,668.15	10,510.14	8,749.80	30.13	33.83	165.80	-1,675.24	-624.94	1,115.71	1,074.98	40.73	27.390	
9,500.00	7,668.09	10,610.14	8,749.80	30.46	34.13	165.81	-1,775.24	-625.57	1,115.78	1,073.94	41.84	26.670	
9,600.00	7,668.02	10,710.14	8,749.80	30.81	34.45	165.81	-1,875.24	-626.19	1,115.84	1,072.87	42.97	25.969	
9,700.00	7,667.95	10,810.14	8,749.80	31.18	34.78	165.81	-1,975.24	-626.82	1,115.91	1,071.78	44.13	25.289	
9,800.00	7,667.89	10,910.14	8,749.80	31.56	35.12	165.81	-2,075.24	-627.45	1,115.97	1,070.66	45.31	24.631	
9,900.00	7,667.82	11,010.14	8,749.80	31.95	35.48	165.81	-2,175.23	-628.07	1,116.03	1,069.52	46.51	23.994	
10,000.00	7,667.75	11,110.14	8,749.80	32.35	35.85	165.81	-2,275.23	-628.70	1,116.10	1,068.36	47.74	23.379	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 19H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	7,667.69	11,210.14	8,749.80	32.77	36.23	165.81	-2,375.23	-629.32	1,116.16	1,067.18	48.98	22.786	
10,200.00	7,667.62	11,310.14	8,749.80	33.20	36.63	165.81	-2,475.23	-629.95	1,116.22	1,065.98	50.25	22.214	
10,300.00	7,667.55	11,410.14	8,749.80	33.64	37.03	165.81	-2,575.23	-630.58	1,116.29	1,064.76	51.53	21.664	
10,400.00	7,667.48	11,510.14	8,749.80	34.10	37.45	165.82	-2,675.22	-631.20	1,116.35	1,063.53	52.82	21.134	
10,500.00	7,667.42	11,610.14	8,749.80	34.56	37.88	165.82	-2,775.22	-631.83	1,116.41	1,062.28	54.13	20.623	
10,600.00	7,667.35	11,710.14	8,749.80	35.04	38.31	165.82	-2,875.22	-632.45	1,116.48	1,061.02	55.46	20.132	
10,700.00	7,667.28	11,810.14	8,749.80	35.52	38.76	165.82	-2,975.22	-633.08	1,116.54	1,059.75	56.79	19.660	
10,800.00	7,667.22	11,910.14	8,749.80	36.02	39.22	165.82	-3,075.22	-633.71	1,116.61	1,058.47	58.14	19.205	
10,900.00	7,667.15	12,010.14	8,749.80	36.52	39.69	165.82	-3,175.22	-634.33	1,116.67	1,057.17	59.50	18.768	
11,000.00	7,667.08	12,110.14	8,749.80	37.04	40.16	165.82	-3,275.21	-634.96	1,116.73	1,055.87	60.87	18.347	
11,100.00	7,667.02	12,210.14	8,749.80	37.56	40.65	165.82	-3,375.21	-635.58	1,116.80	1,054.55	62.24	17.942	
11,200.00	7,666.95	12,310.14	8,749.80	38.09	41.14	165.82	-3,475.21	-636.21	1,116.86	1,053.23	63.63	17.552	
11,300.00	7,666.88	12,410.14	8,749.80	38.63	41.64	165.82	-3,575.21	-636.84	1,116.92	1,051.90	65.02	17.177	
11,400.00	7,666.82	12,510.14	8,749.80	39.17	42.15	165.83	-3,675.21	-637.46	1,116.99	1,050.56	66.43	16.815	
11,500.00	7,666.75	12,610.14	8,749.80	39.72	42.67	165.83	-3,775.20	-638.09	1,117.05	1,049.21	67.84	16.467	
11,600.00	7,666.68	12,710.14	8,749.80	40.28	43.19	165.83	-3,875.20	-638.71	1,117.12	1,047.86	69.25	16.131	
11,700.00	7,666.62	12,810.14	8,749.80	40.85	43.72	165.83	-3,975.20	-639.34	1,117.18	1,046.50	70.68	15.807	
11,800.00	7,666.55	12,910.14	8,749.80	41.42	44.26	165.83	-4,075.20	-639.97	1,117.24	1,045.14	72.10	15.495	
11,900.00	7,666.48	13,010.14	8,749.80	42.00	44.81	165.83	-4,175.20	-640.59	1,117.31	1,043.77	73.54	15.193	
12,000.00	7,666.41	13,110.14	8,749.80	42.58	45.36	165.83	-4,275.19	-641.22	1,117.37	1,042.39	74.98	14.903	
12,100.00	7,666.35	13,210.14	8,749.80	43.17	45.91	165.82	-4,375.19	-641.84	1,117.51	1,041.09	76.42	14.623	
12,200.00	7,666.28	13,310.08	8,749.80	43.77	46.48	165.67	-4,475.13	-642.47	1,118.37	1,040.51	77.87	14.362	
12,300.00	7,666.21	13,409.85	8,749.80	44.37	47.04	165.38	-4,574.90	-643.09	1,120.12	1,040.81	79.31	14.123	
12,400.00	7,666.14	13,509.47	8,749.80	44.97	47.62	164.95	-4,674.52	-643.72	1,122.43	1,041.67	80.76	13.898	
12,500.00	7,666.07	13,609.09	8,749.80	45.58	48.19	164.53	-4,774.13	-644.34	1,124.80	1,042.59	82.21	13.682	
12,600.00	7,666.00	13,708.71	8,749.80	46.20	48.78	164.10	-4,873.75	-644.96	1,127.23	1,043.57	83.66	13.473	
12,700.00	7,665.93	13,808.33	8,749.80	46.82	49.36	163.68	-4,973.37	-645.59	1,129.72	1,044.60	85.12	13.272	
12,800.00	7,665.86	13,907.97	8,749.80	47.44	49.95	163.25	-5,073.01	-646.21	1,132.19	1,045.61	86.58	13.077	
12,900.00	7,665.79	14,007.82	8,749.80	48.07	50.55	162.96	-5,172.86	-646.84	1,133.85	1,045.81	88.04	12.878	
13,000.00	7,665.72	14,107.79	8,749.80	48.70	51.16	162.85	-5,272.83	-647.46	1,134.50	1,044.99	89.51	12.674	
13,100.00	7,665.65	14,207.78	8,749.80	49.34	51.76	162.94	-5,372.81	-648.09	1,134.13	1,043.14	90.99	12.464	
13,200.00	7,665.58	14,307.65	8,749.80	49.98	52.37	163.20	-5,472.68	-648.71	1,132.74	1,040.27	92.47	12.249	
13,300.00	7,665.51	14,407.31	8,749.80	50.61	52.99	163.62	-5,572.34	-649.34	1,130.48	1,036.52	93.96	12.031	
13,400.00	7,665.44	14,506.93	8,749.80	51.25	53.60	164.05	-5,671.96	-649.96	1,128.11	1,032.65	95.46	11.818	
13,500.00	7,665.37	14,606.55	8,749.80	51.89	54.22	164.47	-5,771.58	-650.58	1,125.80	1,028.84	96.96	11.611	
13,600.00	7,665.30	14,706.17	8,749.80	52.54	54.85	164.90	-5,871.19	-651.21	1,123.56	1,025.09	98.47	11.410	
13,700.00	7,665.23	14,805.79	8,749.80	53.19	55.47	165.33	-5,970.81	-651.83	1,121.38	1,021.40	99.98	11.216	
13,800.00	7,665.16	14,905.52	8,749.80	53.84	56.11	165.66	-6,070.54	-652.46	1,119.64	1,018.14	101.50	11.031	
13,900.00	7,665.09	15,005.45	8,749.80	54.50	56.74	165.83	-6,170.47	-653.08	1,118.78	1,015.77	103.01	10.861	
13,987.00	7,665.04	15,092.44	8,749.80	55.07	57.30	165.87	-6,257.46	-653.63	1,118.59	1,014.28	104.32	10.723	
14,000.00	7,665.03	15,105.44	8,749.80	55.16	57.38	165.85	-6,270.46	-653.71	1,118.70	1,014.19	104.51	10.704	
14,100.00	7,664.96	15,205.44	8,749.80	55.83	58.02	165.85	-6,370.46	-654.33	1,118.76	1,012.75	106.02	10.553	
14,200.00	7,664.90	15,305.44	8,749.80	56.49	58.67	165.85	-6,470.46	-654.96	1,118.83	1,011.30	107.53	10.405	
14,300.00	7,664.83	15,405.44	8,749.80	57.16	59.32	165.86	-6,570.45	-655.59	1,118.89	1,009.86	109.03	10.262	
14,400.00	7,664.76	15,505.44	8,749.80	57.84	59.97	165.86	-6,670.45	-656.21	1,118.95	1,008.41	110.54	10.122	
14,500.00	7,664.70	15,605.44	8,749.80	58.51	60.62	165.86	-6,770.45	-656.84	1,119.02	1,006.96	112.06	9.986	
14,600.00	7,664.63	15,705.44	8,749.80	59.19	61.28	165.86	-6,870.45	-657.46	1,119.08	1,005.51	113.57	9.854	
14,700.00	7,664.56	15,805.44	8,749.80	59.87	61.94	165.86	-6,970.45	-658.09	1,119.14	1,004.06	115.09	9.724	
14,800.00	7,664.50	15,905.44	8,749.80	60.55	62.60	165.86	-7,070.44	-658.72	1,119.21	1,002.60	116.60	9.598	
14,900.00	7,664.43	16,005.44	8,749.80	61.24	63.26	165.86	-7,170.44	-659.34	1,119.27	1,001.15	118.12	9.476	
15,000.00	7,664.37	16,105.44	8,749.80	61.92	63.93	165.86	-7,270.44	-659.97	1,119.33	999.69	119.64	9.356	
15,100.00	7,664.30	16,205.44	8,749.80	62.61	64.59	165.86	-7,370.44	-660.59	1,119.39	998.23	121.16	9.239	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 19H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,200.00	7,664.23	16,305.44	8,749.80	63.30	65.26	165.87	-7,470.44	-661.22	1,119.46	996.78	122.68	9.125	
15,300.00	7,664.17	16,405.44	8,749.80	63.99	65.94	165.87	-7,570.43	-661.84	1,119.52	995.32	124.20	9.014	
15,400.00	7,664.10	16,505.44	8,749.80	64.68	66.61	165.87	-7,670.43	-662.47	1,119.58	993.85	125.73	8.905	
15,500.00	7,664.03	16,605.44	8,749.80	65.37	67.29	165.87	-7,770.43	-663.10	1,119.65	992.39	127.25	8.799	
15,600.00	7,663.97	16,705.44	8,749.80	66.07	67.96	165.87	-7,870.43	-663.72	1,119.71	990.93	128.78	8.695	
15,700.00	7,663.90	16,805.44	8,749.80	66.77	68.64	165.87	-7,970.43	-664.35	1,119.77	989.47	130.31	8.593	
15,800.00	7,663.83	16,905.44	8,749.80	67.47	69.32	165.87	-8,070.42	-664.97	1,119.84	988.00	131.83	8.494	
15,900.00	7,663.77	17,005.44	8,749.80	68.17	70.01	165.87	-8,170.42	-665.60	1,119.90	986.53	133.36	8.397	
16,000.00	7,663.70	17,105.44	8,749.80	68.87	70.69	165.87	-8,270.42	-666.23	1,119.96	985.07	134.89	8.303	
16,100.00	7,663.64	17,205.44	8,749.80	69.57	71.38	165.88	-8,370.42	-666.85	1,120.02	983.60	136.42	8.210	
16,200.00	7,663.57	17,305.44	8,749.80	70.27	72.07	165.88	-8,470.42	-667.48	1,120.09	982.13	137.96	8.119	
16,300.00	7,663.50	17,405.44	8,749.80	70.98	72.76	165.88	-8,570.41	-668.10	1,120.15	980.66	139.49	8.030	
16,400.00	7,663.44	17,505.44	8,749.80	71.69	73.45	165.88	-8,670.41	-668.73	1,120.21	979.19	141.02	7.944	
16,500.00	7,663.37	17,605.44	8,749.80	72.39	74.14	165.88	-8,770.41	-669.36	1,120.28	977.72	142.56	7.859	
16,600.00	7,663.30	17,705.44	8,749.80	73.10	74.83	165.88	-8,870.41	-669.98	1,120.34	976.25	144.09	7.775	
16,700.00	7,663.24	17,805.44	8,749.80	73.81	75.53	165.88	-8,970.41	-670.61	1,120.40	974.78	145.63	7.694	
16,800.00	7,663.17	17,905.44	8,749.80	74.52	76.22	165.88	-9,070.40	-671.23	1,120.47	973.30	147.16	7.614	
16,900.00	7,663.11	18,005.44	8,749.80	75.23	76.92	165.88	-9,170.40	-671.86	1,120.53	971.83	148.70	7.536	
17,000.00	7,663.04	18,105.44	8,749.80	75.95	77.62	165.89	-9,270.40	-672.49	1,120.59	970.36	150.24	7.459	
17,100.00	7,662.97	18,205.44	8,749.80	76.66	78.32	165.89	-9,370.40	-673.11	1,120.65	968.88	151.77	7.384	
17,200.00	7,662.91	18,305.44	8,749.80	77.38	79.02	165.89	-9,470.40	-673.74	1,120.72	967.41	153.31	7.310	
17,300.00	7,662.84	18,405.44	8,749.80	78.09	79.73	165.89	-9,570.39	-674.36	1,120.78	965.93	154.85	7.238	
17,400.00	7,662.77	18,505.44	8,749.80	78.81	80.43	165.89	-9,670.39	-674.99	1,120.84	964.45	156.39	7.167	
17,500.00	7,662.71	18,605.44	8,749.80	79.53	81.13	165.89	-9,770.39	-675.62	1,120.91	962.98	157.93	7.097	
17,600.00	7,662.64	18,705.44	8,749.80	80.24	81.84	165.89	-9,870.39	-676.24	1,120.97	961.50	159.47	7.029	
17,700.00	7,662.58	18,813.54	8,749.80	80.96	82.60	165.96	-9,978.48	-675.65	1,120.75	959.64	161.11	6.956	
17,800.00	7,662.51	18,923.80	8,749.80	81.68	83.39	166.23	-10,088.63	-670.95	1,119.64	956.86	162.78	6.878	
17,900.00	7,662.44	19,033.49	8,749.80	82.41	84.17	166.70	-10,197.95	-662.06	1,117.65	953.19	164.46	6.796	
18,000.00	7,662.38	19,142.29	8,749.80	83.13	84.94	167.39	-10,305.97	-649.13	1,114.89	948.74	166.15	6.710	
18,100.00	7,662.31	19,249.89	8,749.80	83.85	85.71	168.27	-10,412.25	-632.30	1,111.48	943.63	167.85	6.622	
18,200.00	7,662.24	19,349.89	8,749.80	84.57	86.42	169.22	-10,510.59	-614.13	1,107.81	938.31	169.50	6.536	
18,300.00	7,662.18	19,448.10	8,749.80	85.30	87.12	170.17	-10,607.14	-596.21	1,104.44	933.30	171.14	6.453	
18,400.00	7,662.11	19,546.30	8,749.80	86.02	87.82	171.12	-10,703.69	-578.28	1,101.38	928.60	172.78	6.374	
18,500.00	7,662.04	19,644.50	8,749.80	86.75	88.52	172.07	-10,800.24	-560.35	1,098.64	924.21	174.43	6.299	
18,600.00	7,661.98	19,742.70	8,749.80	87.47	89.22	173.03	-10,896.79	-542.42	1,096.21	920.14	176.07	6.226	
18,700.00	7,661.91	19,840.90	8,749.80	88.20	89.93	174.00	-10,993.34	-524.49	1,094.11	916.39	177.72	6.157	
18,800.00	7,661.85	19,939.11	8,749.80	88.93	90.63	174.96	-11,089.90	-506.57	1,092.32	912.97	179.36	6.090	
18,900.00	7,661.78	20,037.31	8,749.80	89.65	91.34	175.93	-11,186.45	-488.64	1,090.87	909.86	181.00	6.027	
19,000.00	7,661.71	20,135.51	8,749.80	90.38	92.05	176.91	-11,283.00	-470.71	1,089.73	907.09	182.64	5.966	
19,100.00	7,661.65	20,233.71	8,749.80	91.11	92.76	177.88	-11,379.55	-452.78	1,088.92	904.64	184.28	5.909	
19,200.00	7,661.58	20,331.92	8,749.80	91.84	93.47	178.86	-11,476.10	-434.85	1,088.44	902.52	185.92	5.854	
19,296.88	7,661.52	20,427.05	8,749.80	92.55	94.16	179.80	-11,569.64	-417.48	1,088.29	900.78	187.51	5.804	
19,300.00	7,661.51	20,430.12	8,749.80	92.57	94.18	179.83	-11,572.66	-416.93	1,088.29	900.73	187.56	5.802	
19,400.00	7,661.45	20,528.32	8,749.80	93.30	94.89	-179.19	-11,669.21	-399.00	1,088.46	899.27	189.19	5.753	
19,500.00	7,661.38	20,626.52	8,749.80	94.03	95.61	-178.22	-11,765.76	-381.07	1,088.97	898.14	190.82	5.707	
19,600.00	7,661.32	20,724.72	8,749.80	94.77	96.32	-177.24	-11,862.31	-363.14	1,089.79	897.34	192.45	5.663	
19,700.00	7,661.25	20,822.93	8,749.80	95.50	97.04	-176.27	-11,958.86	-345.21	1,090.95	896.87	194.08	5.621	
19,800.00	7,661.18	20,921.13	8,749.80	96.23	97.76	-175.30	-12,055.41	-327.29	1,092.43	896.73	195.70	5.582	
19,900.00	7,661.12	21,019.33	8,749.80	96.96	98.48	-174.33	-12,151.97	-309.36	1,094.23	896.92	197.31	5.546	
20,000.00	7,661.05	21,117.53	8,749.80	97.70	99.19	-173.37	-12,248.52	-291.43	1,096.35	897.43	198.92	5.511	
20,100.00	7,660.98	21,215.73	8,749.80	98.43	99.92	-172.41	-12,345.07	-273.50	1,098.80	898.27	200.53	5.479	
20,200.00	7,660.92	21,313.94	8,749.80	99.17	100.64	-171.45	-12,441.62	-255.57	1,101.56	899.43	202.13	5.450	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Pintail 23-26-35 Federal Com - Pintail 23-26-35 Federal Com 19H - OH - Plan 1

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,300.00	7,660.85	21,412.14	8,749.80	99.90	101.36	-170.50	-12,538.17	-237.65	1,104.64	900.91	203.73	5.422	
20,400.00	7,660.78	21,510.34	8,749.80	100.64	102.08	-169.56	-12,634.73	-219.72	1,108.03	902.71	205.33	5.396	
20,500.00	7,660.72	21,608.54	8,749.80	101.37	102.81	-168.62	-12,731.28	-201.79	1,111.74	904.82	206.91	5.373	
20,600.00	7,660.65	21,706.75	8,749.80	102.11	103.53	-167.68	-12,827.83	-183.86	1,115.74	907.25	208.50	5.351	
20,700.00	7,660.59	21,804.95	8,749.80	102.85	104.26	-166.76	-12,924.38	-165.93	1,120.06	909.99	210.07	5.332	
20,800.00	7,660.52	21,903.15	8,749.80	103.58	104.98	-165.84	-13,020.93	-148.01	1,124.67	913.03	211.64	5.314	
20,900.00	7,660.45	22,001.35	8,749.80	104.32	105.71	-164.92	-13,117.48	-130.08	1,129.58	916.37	213.21	5.298	
21,000.00	7,660.39	22,099.55	8,749.80	105.06	106.44	-164.02	-13,214.04	-112.15	1,134.78	920.01	214.77	5.284	
21,100.00	7,660.32	22,197.76	8,749.80	105.80	107.17	-163.12	-13,310.59	-94.22	1,140.28	923.95	216.33	5.271	
21,200.00	7,660.25	22,295.96	8,749.80	106.54	107.90	-162.24	-13,407.14	-76.29	1,146.05	928.17	217.88	5.260	
21,300.00	7,660.19	22,394.16	8,749.80	107.28	108.63	-161.36	-13,503.69	-58.37	1,152.11	932.69	219.42	5.251	
21,400.00	7,660.12	22,492.36	8,749.80	108.02	109.36	-160.49	-13,600.24	-40.44	1,158.44	937.48	220.96	5.243	
21,500.00	7,660.06	22,590.57	8,749.80	108.76	110.09	-159.63	-13,696.80	-22.51	1,165.05	942.55	222.50	5.236	
21,600.00	7,659.99	22,688.77	8,749.80	109.50	110.83	-158.78	-13,793.35	-4.58	1,171.92	947.89	224.03	5.231	
21,700.00	7,659.92	22,786.97	8,749.80	110.24	111.56	-157.94	-13,889.90	13.35	1,179.05	953.50	225.55	5.227	
21,800.00	7,659.86	22,885.17	8,749.80	110.98	112.29	-157.11	-13,986.45	31.27	1,186.44	959.37	227.07	5.225	
21,900.00	7,659.79	22,983.37	8,749.80	111.72	113.03	-156.28	-14,083.00	49.20	1,194.08	965.50	228.59	5.224	
22,000.00	7,659.72	23,081.58	8,749.80	112.46	113.76	-155.47	-14,179.55	67.13	1,201.98	971.88	230.10	5.224	
22,100.00	7,659.66	23,179.78	8,749.80	113.20	114.50	-154.67	-14,276.11	85.06	1,210.11	978.51	231.60	5.225	
22,200.00	7,659.59	23,277.98	8,749.80	113.94	115.24	-153.89	-14,372.66	102.99	1,218.48	985.38	233.10	5.227	
22,300.00	7,659.53	23,376.18	8,749.80	114.69	115.98	-153.11	-14,469.21	120.91	1,227.09	992.49	234.60	5.231	
22,400.00	7,659.46	23,474.38	8,749.80	115.43	116.71	-152.34	-14,565.76	138.84	1,235.92	999.83	236.10	5.235	
22,500.00	7,659.39	23,572.59	8,749.80	116.17	117.45	-151.58	-14,662.31	156.77	1,244.98	1,007.39	237.59	5.240	
22,600.00	7,659.33	23,670.79	8,749.80	116.91	118.19	-150.83	-14,758.87	174.70	1,254.26	1,015.18	239.07	5.246	
22,700.00	7,659.26	23,768.99	8,749.80	117.66	118.93	-150.10	-14,855.42	192.63	1,263.75	1,023.19	240.55	5.253	
22,800.00	7,659.19	23,867.19	8,749.80	118.40	119.67	-149.37	-14,951.97	210.55	1,273.45	1,031.41	242.03	5.261	
22,900.00	7,659.13	23,965.40	8,749.80	119.15	120.41	-148.66	-15,048.52	228.48	1,283.35	1,039.84	243.51	5.270	
23,000.00	7,659.06	24,063.60	8,749.80	119.89	121.15	-147.96	-15,145.07	246.41	1,293.45	1,048.47	244.99	5.280	
23,091.89	7,659.00	24,153.84	8,749.80	120.57	121.84	-147.32	-15,233.80	262.89	1,302.91	1,056.57	246.34	5.289	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Bonnie 35 Fed Com 001H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 127-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,800.00	7,663.17	12,093.00	7,363.07	74.52	73.92	-84.32	-10,504.65	2,599.14	3,335.39	3,197.25	138.14	24.144	
16,900.00	7,663.11	12,093.00	7,363.07	75.23	73.92	-84.32	-10,504.65	2,599.14	3,294.25	3,154.17	140.09	23.516	
17,000.00	7,663.04	12,093.00	7,363.07	75.95	73.92	-84.32	-10,504.65	2,599.14	3,255.66	3,113.67	141.99	22.929	
17,100.00	7,662.97	12,093.00	7,363.07	76.66	73.92	-84.32	-10,504.65	2,599.14	3,219.72	3,075.88	143.84	22.384	
17,200.00	7,662.91	12,093.00	7,363.07	77.38	73.92	-84.32	-10,504.65	2,599.14	3,186.51	3,040.87	145.63	21.880	
17,300.00	7,662.84	12,093.00	7,363.07	78.09	73.92	-84.32	-10,504.65	2,599.14	3,156.12	3,008.76	147.36	21.418	
17,400.00	7,662.77	12,093.00	7,363.07	78.81	73.92	-84.32	-10,504.65	2,599.14	3,128.63	2,979.63	149.00	20.997	
17,500.00	7,662.71	12,093.00	7,363.07	79.53	73.92	-84.32	-10,504.65	2,599.14	3,104.12	2,953.57	150.55	20.618	
17,600.00	7,662.64	12,093.00	7,363.07	80.24	73.92	-84.32	-10,504.65	2,599.14	3,082.66	2,930.66	152.00	20.280	
17,700.00	7,662.58	12,093.00	7,363.07	80.96	73.92	-84.32	-10,504.65	2,599.14	3,064.32	2,910.98	153.34	19.984	
17,800.00	7,662.51	12,093.00	7,363.07	81.68	73.92	-84.32	-10,504.65	2,599.14	3,049.15	2,894.58	154.56	19.728	
17,900.00	7,662.44	12,093.00	7,363.07	82.41	73.92	-84.32	-10,504.65	2,599.14	3,037.19	2,881.54	155.65	19.513	
18,000.00	7,662.38	12,093.00	7,363.07	83.13	73.92	-84.32	-10,504.65	2,599.14	3,028.49	2,871.89	156.61	19.338	
18,100.00	7,662.31	12,079.88	7,362.96	83.85	73.75	-84.31	-10,517.75	2,598.50	3,023.05	2,865.81	157.24	19.225	SF
18,200.00	7,662.24	11,991.97	7,362.13	84.57	72.58	-84.29	-10,605.56	2,594.25	3,018.97	2,862.16	156.80	19.253	
18,300.00	7,662.18	11,905.68	7,361.02	85.30	71.43	-84.27	-10,691.76	2,590.55	3,015.45	2,859.06	156.39	19.282	
18,400.00	7,662.11	11,817.64	7,361.60	86.02	70.26	-84.27	-10,779.73	2,587.25	3,012.27	2,856.32	155.95	19.316	
18,500.00	7,662.04	11,742.70	7,361.71	86.75	69.27	-84.27	-10,854.63	2,584.78	3,009.64	2,853.96	155.68	19.333	
18,600.00	7,661.98	11,686.83	7,362.28	87.47	68.53	-84.28	-10,910.49	2,583.60	3,008.14	2,852.51	155.63	19.329	
18,700.00	7,661.91	11,562.87	7,362.96	88.20	66.89	-84.29	-11,034.42	2,581.53	3,007.03	2,852.28	154.75	19.431	
18,800.00	7,661.85	11,486.00	7,362.33	88.93	65.88	-84.28	-11,111.27	2,579.81	3,005.62	2,851.17	154.45	19.460	
18,900.00	7,661.78	11,389.00	7,364.23	89.65	64.61	-84.32	-11,208.23	2,578.76	3,004.97	2,851.06	153.91	19.524	
18,917.48	7,661.77	11,389.00	7,364.23	89.78	64.61	-84.32	-11,208.23	2,578.76	3,004.92	2,850.90	154.01	19.511	
19,000.00	7,661.71	11,337.19	7,367.17	90.38	63.93	-84.38	-11,259.95	2,579.07	3,005.42	2,851.53	153.89	19.530	
19,100.00	7,661.65	11,285.00	7,371.13	91.11	63.24	-84.45	-11,311.99	2,579.86	3,007.02	2,853.18	153.83	19.547	
19,200.00	7,661.58	11,206.00	7,378.79	91.84	62.20	-84.60	-11,390.57	2,582.36	3,009.90	2,856.42	153.48	19.611	
19,300.00	7,661.51	11,141.05	7,385.79	92.57	61.35	-84.74	-11,455.07	2,585.35	3,014.01	2,860.75	153.26	19.666	
19,400.00	7,661.45	10,992.70	7,400.54	93.30	59.42	-85.04	-11,602.55	2,591.37	3,017.85	2,865.63	152.22	19.825	
19,500.00	7,661.38	10,922.00	7,406.39	94.03	58.50	-85.15	-11,672.98	2,593.67	3,021.09	2,869.13	151.96	19.881	
19,600.00	7,661.32	10,807.72	7,414.27	94.77	57.03	-85.31	-11,786.90	2,598.07	3,025.02	2,873.75	151.27	19.998	
19,700.00	7,661.25	10,656.13	7,425.05	95.50	55.10	-85.52	-11,938.04	2,602.12	3,027.81	2,877.60	150.21	20.157	
19,800.00	7,661.18	10,566.89	7,431.56	96.23	53.97	-85.65	-12,027.03	2,603.70	3,029.65	2,879.85	149.80	20.225	
19,900.00	7,661.12	10,467.08	7,437.34	96.96	52.71	-85.77	-12,126.66	2,605.60	3,031.74	2,882.47	149.28	20.309	
20,000.00	7,661.05	10,319.36	7,443.99	97.70	50.88	-85.90	-12,274.22	2,606.69	3,032.64	2,884.35	148.28	20.452	
20,100.00	7,660.98	10,205.73	7,446.81	98.43	49.49	-85.95	-12,387.81	2,606.90	3,033.31	2,885.65	147.65	20.544	
20,165.73	7,660.94	10,136.79	7,448.04	98.92	48.65	-85.98	-12,456.74	2,606.41	3,033.16	2,885.86	147.31	20.591	
20,200.00	7,660.92	10,113.46	7,448.24	99.17	48.37	-85.98	-12,480.06	2,606.32	3,033.23	2,885.97	147.26	20.598	
20,300.00	7,660.85	10,037.32	7,448.03	99.90	47.46	-85.98	-12,556.20	2,606.49	3,034.06	2,887.02	147.04	20.634	
20,400.00	7,660.78	9,940.71	7,446.34	100.64	46.31	-85.95	-12,652.80	2,607.01	3,035.35	2,888.73	146.62	20.702	
20,500.00	7,660.72	9,833.31	7,444.37	101.37	45.05	-85.91	-12,760.18	2,607.37	3,036.44	2,890.33	146.11	20.782	
20,600.00	7,660.65	9,734.67	7,442.82	102.11	43.91	-85.89	-12,858.81	2,607.66	3,037.46	2,891.76	145.70	20.848	
20,700.00	7,660.59	9,645.03	7,441.80	102.85	42.89	-85.87	-12,948.44	2,608.08	3,038.64	2,893.25	145.39	20.900	
20,800.00	7,660.52	9,547.83	7,441.11	103.58	41.80	-85.86	-13,045.63	2,608.95	3,040.21	2,895.17	145.03	20.962	
20,900.00	7,660.45	9,428.39	7,441.27	104.32	40.49	-85.87	-13,165.07	2,609.65	3,041.42	2,896.93	144.49	21.049	
21,000.00	7,660.39	9,349.86	7,441.68	105.06	39.64	-85.88	-13,243.60	2,610.02	3,042.51	2,898.17	144.34	21.078	
21,100.00	7,660.32	9,246.63	7,441.85	105.80	38.56	-85.88	-13,346.82	2,611.23	3,044.29	2,900.30	144.00	21.141	
21,200.00	7,660.25	9,079.14	7,442.13	106.54	36.85	-85.89	-13,514.31	2,610.67	3,044.53	2,901.40	143.13	21.271	
21,300.00	7,660.19	8,914.99	7,442.77	107.28	35.25	-85.90	-13,678.39	2,606.44	3,042.45	2,900.14	142.31	21.379	
21,400.00	7,660.12	8,842.00	7,443.60	108.02	34.56	-85.92	-13,751.35	2,604.57	3,040.33	2,897.98	142.35	21.358	
21,500.00	7,660.06	8,783.34	7,444.38	108.76	34.03	-85.93	-13,810.01	2,603.74	3,039.28	2,896.76	142.52	21.325	
21,600.00	7,659.99	8,688.70	7,445.66	109.50	33.19	-85.96	-13,904.63	2,602.85	3,038.86	2,896.45	142.41	21.338	
21,700.00	7,659.92	8,584.73	7,447.21	110.24	32.30	-85.99	-14,008.58	2,601.75	3,038.32	2,896.05	142.27	21.355	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Bonnie 35 Fed Com 001H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 127-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
21,800.00	7,659.86	8,390.88	7,450.52	110.98	30.78	-86.04	-14,202.31	2,596.36	3,035.92	2,894.39	141.53	21.450	
21,900.00	7,659.79	8,284.69	7,452.38	111.72	30.01	-86.08	-14,308.39	2,591.75	3,032.09	2,890.58	141.51	21.427	
22,000.00	7,659.72	8,187.95	7,454.52	112.46	29.36	-86.11	-14,405.02	2,587.57	3,028.26	2,886.65	141.60	21.386	
22,100.00	7,659.66	8,120.72	7,455.91	113.20	28.95	-86.14	-14,472.18	2,585.03	3,024.99	2,883.05	141.93	21.313	
22,200.00	7,659.59	8,005.37	7,457.30	113.94	28.30	-86.16	-14,587.46	2,581.48	3,022.53	2,880.51	142.02	21.282	
22,300.00	7,659.53	7,681.01	7,415.55	114.69	26.79	-85.34	-14,906.23	2,555.73	3,016.93	2,876.03	140.91	21.411	
22,400.00	7,659.46	7,478.77	7,331.25	115.43	26.02	-83.68	-15,086.57	2,523.60	3,003.83	2,863.30	140.52	21.376	
22,500.00	7,659.39	7,392.00	7,279.24	116.17	25.72	-82.65	-15,154.19	2,508.30	2,991.22	2,850.20	141.02	21.211	
22,600.00	7,659.33	7,365.17	7,261.32	116.91	25.63	-82.29	-15,173.60	2,503.65	2,980.37	2,838.47	141.91	21.003	
22,700.00	7,659.26	7,312.91	7,224.38	117.66	25.46	-81.56	-15,209.50	2,494.95	2,971.77	2,829.18	142.58	20.842	
22,800.00	7,659.19	7,269.43	7,190.95	118.40	25.32	-80.91	-15,236.42	2,488.03	2,965.70	2,822.43	143.26	20.701	
22,900.00	7,659.13	7,227.27	7,157.14	119.15	25.19	-80.24	-15,260.70	2,481.32	2,961.99	2,818.10	143.89	20.585	
22,984.79	7,659.07	7,202.00	7,136.56	119.78	25.12	-79.84	-15,274.83	2,477.44	2,960.98	2,816.57	144.40	20.505	CC
23,000.00	7,659.06	7,195.91	7,131.57	119.89	25.11	-79.74	-15,278.19	2,476.53	2,961.01	2,816.52	144.49	20.494	ES
23,091.89	7,659.00	7,162.95	7,104.12	120.57	25.02	-79.20	-15,295.75	2,471.59	2,962.51	2,817.56	144.95	20.439	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - GOLDENEYE 26 FEDERAL COM #2 - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 100-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,700.00	7,667.95	7,583.77	7,650.18	31.18	13.63	70.58	-5,247.83	-418.09	3,271.56	3,231.56	40.01	81.773	
9,800.00	7,667.89	7,584.25	7,650.66	31.56	13.63	71.14	-5,247.83	-418.09	3,171.58	3,131.55	40.03	79.236	
9,900.00	7,667.82	7,584.74	7,651.14	31.95	13.63	71.70	-5,247.83	-418.09	3,071.59	3,031.54	40.05	76.699	
10,000.00	7,667.75	7,585.22	7,651.62	32.35	13.63	72.27	-5,247.83	-418.09	2,971.60	2,931.53	40.07	74.164	
10,100.00	7,667.69	7,585.70	7,652.10	32.77	13.63	72.83	-5,247.84	-418.09	2,871.61	2,831.52	40.09	71.629	
10,200.00	7,667.62	7,586.18	7,652.58	33.20	13.63	73.40	-5,247.84	-418.10	2,771.62	2,731.51	40.11	69.097	
10,300.00	7,667.55	7,586.66	7,653.06	33.64	13.63	73.98	-5,247.84	-418.10	2,671.64	2,631.50	40.14	66.565	
10,400.00	7,667.48	7,587.14	7,653.54	34.10	13.63	74.55	-5,247.84	-418.10	2,571.65	2,531.49	40.16	64.036	
10,500.00	7,667.42	7,587.62	7,654.02	34.56	13.63	75.13	-5,247.85	-418.10	2,471.67	2,431.49	40.18	61.508	
10,600.00	7,667.35	7,588.10	7,654.50	35.04	13.63	75.71	-5,247.85	-418.10	2,371.69	2,331.48	40.21	58.983	
10,700.00	7,667.28	7,588.57	7,654.98	35.52	13.63	76.30	-5,247.85	-418.10	2,271.71	2,231.47	40.24	56.459	
10,800.00	7,667.22	7,589.05	7,655.46	36.02	13.64	76.88	-5,247.85	-418.10	2,171.73	2,131.47	40.26	53.939	
10,900.00	7,667.15	7,589.53	7,655.93	36.52	13.64	77.47	-5,247.86	-418.10	2,071.75	2,031.46	40.29	51.421	
11,000.00	7,667.08	7,590.00	7,656.41	37.04	13.64	78.06	-5,247.86	-418.10	1,971.78	1,931.46	40.32	48.905	
11,100.00	7,667.02	7,590.48	7,656.88	37.56	13.64	78.65	-5,247.86	-418.10	1,871.80	1,831.46	40.35	46.393	
11,200.00	7,666.95	7,590.95	7,657.36	38.09	13.64	79.24	-5,247.86	-418.10	1,771.83	1,731.46	40.38	43.884	
11,300.00	7,666.88	7,591.43	7,657.83	38.63	13.64	79.84	-5,247.87	-418.11	1,671.87	1,631.46	40.41	41.378	
11,400.00	7,666.82	7,591.90	7,658.31	39.17	13.64	80.43	-5,247.87	-418.11	1,571.91	1,531.47	40.43	38.875	
11,500.00	7,666.75	7,592.38	7,658.78	39.72	13.64	81.03	-5,247.87	-418.11	1,471.95	1,431.49	40.46	36.376	
11,600.00	7,666.68	7,592.85	7,659.25	40.28	13.64	81.63	-5,247.87	-418.11	1,372.00	1,331.51	40.49	33.881	
11,700.00	7,666.62	7,593.32	7,659.73	40.85	13.64	82.23	-5,247.88	-418.11	1,272.06	1,231.53	40.52	31.390	
11,800.00	7,666.55	7,593.79	7,660.20	41.42	13.64	82.83	-5,247.88	-418.11	1,172.12	1,131.57	40.55	28.902	
11,900.00	7,666.48	7,594.26	7,660.67	42.00	13.64	83.43	-5,247.88	-418.11	1,072.20	1,031.62	40.58	26.419	
12,000.00	7,666.41	7,594.73	7,661.14	42.58	13.64	84.03	-5,247.88	-418.11	972.30	931.69	40.61	23.940	
12,100.00	7,666.35	7,595.20	7,661.61	43.17	13.64	85.88	-5,247.89	-418.11	872.43	831.79	40.64	21.467	
12,200.00	7,666.28	7,595.67	7,662.07	43.77	13.64	87.55	-5,247.89	-418.11	772.83	732.17	40.66	19.007	
12,300.00	7,666.21	7,596.12	7,662.52	44.37	13.64	88.34	-5,247.89	-418.11	673.80	633.12	40.68	16.564	
12,400.00	7,666.14	7,596.57	7,662.97	44.97	13.64	88.59	-5,247.89	-418.11	575.45	534.73	40.72	14.131	
12,500.00	7,666.07	7,597.01	7,663.42	45.58	13.64	88.82	-5,247.90	-418.12	477.80	436.95	40.85	11.697	
12,600.00	7,666.00	7,597.46	7,663.87	46.20	13.64	89.05	-5,247.90	-418.12	381.36	340.17	41.19	9.259	
12,700.00	7,665.93	7,597.91	7,664.31	46.82	13.64	89.27	-5,247.90	-418.12	287.37	245.22	42.15	6.818	
12,800.00	7,665.86	7,598.35	7,664.76	47.44	13.64	89.49	-5,247.90	-418.12	199.14	154.04	45.10	4.416	
12,900.00	7,665.79	7,598.81	7,665.21	48.07	13.65	89.71	-5,247.91	-418.12	126.84	73.16	53.68	2.363	
12,972.37	7,665.74	7,599.14	7,665.54	48.53	13.65	89.89	-5,247.91	-418.12	105.09	43.80	61.30	1.714	CC, ES, SF
13,000.00	7,665.72	7,599.26	7,665.67	48.70	13.65	89.96	-5,247.91	-418.12	108.54	47.25	61.29	1.771	
13,100.00	7,665.65	7,599.73	7,666.13	49.34	13.65	90.21	-5,247.91	-418.12	163.51	110.71	52.79	3.097	
13,200.00	7,665.58	7,600.20	7,666.60	49.98	13.65	90.44	-5,247.91	-418.12	246.85	199.70	47.14	5.236	
13,300.00	7,665.51	7,600.67	7,667.08	50.61	13.65	90.65	-5,247.92	-418.12	338.25	293.68	44.57	7.589	
13,400.00	7,665.44	7,601.15	7,667.55	51.25	13.65	90.88	-5,247.92	-418.12	433.31	389.96	43.35	9.995	
13,500.00	7,665.37	7,601.62	7,668.02	51.89	13.65	91.11	-5,247.92	-418.12	530.19	487.46	42.73	12.408	
13,600.00	7,665.30	7,602.09	7,668.50	52.54	13.65	91.33	-5,247.92	-418.12	628.05	585.67	42.38	14.819	
13,700.00	7,665.23	7,602.57	7,668.97	53.19	13.65	91.56	-5,247.93	-418.13	726.49	684.31	42.18	17.222	
13,800.00	7,665.16	7,603.04	7,669.44	53.84	13.65	92.27	-5,247.93	-418.13	825.51	783.42	42.08	19.616	
13,900.00	7,665.09	7,603.50	7,669.91	54.50	13.65	93.79	-5,247.93	-418.13	925.09	883.03	42.06	21.995	
14,000.00	7,665.03	7,603.96	7,670.37	55.16	13.65	96.01	-5,247.93	-418.13	1,024.95	982.88	42.08	24.359	
14,100.00	7,664.96	7,604.42	7,670.83	55.83	13.65	96.59	-5,247.94	-418.13	1,124.87	1,082.76	42.11	26.715	
14,200.00	7,664.90	7,604.88	7,671.29	56.49	13.65	97.18	-5,247.94	-418.13	1,224.79	1,182.65	42.14	29.063	
14,300.00	7,664.83	7,605.34	7,671.75	57.16	13.65	97.76	-5,247.94	-418.13	1,324.73	1,282.55	42.18	31.404	
14,400.00	7,664.76	7,605.80	7,672.21	57.84	13.65	98.34	-5,247.94	-418.13	1,424.68	1,382.45	42.23	33.737	
14,500.00	7,664.70	7,606.26	7,672.67	58.51	13.65	98.92	-5,247.95	-418.13	1,524.63	1,482.36	42.28	36.063	
14,600.00	7,664.63	7,606.72	7,673.12	59.19	13.65	99.50	-5,247.95	-418.13	1,624.59	1,582.26	42.33	38.381	
14,700.00	7,664.56	7,607.18	7,673.58	59.87	13.65	100.07	-5,247.95	-418.13	1,724.56	1,682.18	42.38	40.692	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - GOLDENEYE 26 FEDERAL COM #2 - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 100-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,800.00	7,664.50	7,607.63	7,674.04	60.55	13.65	100.64	-5,247.95	-418.14	1,824.52	1,782.09	42.44	42.995	
14,900.00	7,664.43	7,608.09	7,674.49	61.24	13.66	101.21	-5,247.95	-418.14	1,924.49	1,882.00	42.49	45.290	
15,000.00	7,664.37	7,608.54	7,674.95	61.92	13.66	101.78	-5,247.96	-418.14	2,024.47	1,981.92	42.55	47.578	
15,100.00	7,664.30	7,609.00	7,675.40	62.61	13.66	102.34	-5,247.96	-418.14	2,124.44	2,081.83	42.61	49.857	
15,200.00	7,664.23	7,609.45	7,675.86	63.30	13.66	102.90	-5,247.96	-418.14	2,224.42	2,181.75	42.67	52.128	
15,300.00	7,664.17	7,609.91	7,676.31	63.99	13.66	103.45	-5,247.96	-418.14	2,324.40	2,281.67	42.73	54.392	
15,400.00	7,664.10	7,610.36	7,676.77	64.68	13.66	104.01	-5,247.97	-418.14	2,424.38	2,381.59	42.80	56.647	
15,500.00	7,664.03	7,610.81	7,677.22	65.37	13.66	104.56	-5,247.97	-418.14	2,524.37	2,481.50	42.86	58.894	
15,600.00	7,663.97	7,611.27	7,677.67	66.07	13.66	105.10	-5,247.97	-418.14	2,624.35	2,581.42	42.93	61.132	
15,700.00	7,663.90	7,611.72	7,678.12	66.77	13.66	105.65	-5,247.97	-418.14	2,724.34	2,681.34	43.00	63.362	
15,800.00	7,663.83	7,612.90	7,679.30	67.47	13.66	107.05	-5,247.98	-418.15	2,824.32	2,781.26	43.06	65.584	
15,900.00	7,663.77	7,612.90	7,679.30	68.17	13.66	107.05	-5,247.98	-418.15	2,924.31	2,881.18	43.13	67.797	
16,000.00	7,663.70	7,612.90	7,679.30	68.87	13.66	107.05	-5,247.98	-418.15	3,024.30	2,981.09	43.20	70.002	
16,100.00	7,663.64	7,612.90	7,679.30	69.57	13.66	107.05	-5,247.98	-418.15	3,124.29	3,081.01	43.27	72.198	
16,200.00	7,663.57	7,612.90	7,679.30	70.27	13.66	107.05	-5,247.98	-418.15	3,224.28	3,180.93	43.35	74.385	
16,300.00	7,663.50	7,612.90	7,679.30	70.98	13.66	107.05	-5,247.98	-418.15	3,324.27	3,280.85	43.42	76.563	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - OH - OH Svy

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	22.77	-2.03	0.00	0.03	-135.48	-961.35	-945.50	1,348.40				
100.00	100.00	115.26	90.46	0.28	0.20	-135.46	-961.44	-946.01	1,348.85	1,348.37	0.47	2,842.131	
200.00	200.00	211.84	187.03	0.63	0.54	-135.43	-961.40	-947.23	1,349.70	1,348.53	1.17	1,150.322	
300.00	300.00	313.60	288.78	0.99	0.90	-135.38	-961.27	-948.68	1,350.61	1,348.72	1.89	714.852	
400.00	400.00	417.76	392.93	1.35	1.26	-135.33	-960.92	-950.02	1,351.27	1,348.66	2.61	517.223	
500.00	500.00	521.23	496.39	1.71	1.62	-135.27	-960.33	-951.26	1,351.72	1,348.38	3.33	405.564	
600.00	600.00	628.10	603.26	2.07	2.00	-135.22	-959.39	-952.11	1,351.65	1,347.58	4.06	332.561	
700.00	700.00	726.35	701.50	2.43	2.34	-135.16	-958.34	-952.89	1,351.45	1,346.68	4.77	283.574	
739.55	739.55	764.39	739.54	2.57	2.47	-135.14	-958.00	-953.20	1,351.43	1,346.39	5.04	268.122	
800.00	800.00	823.53	798.67	2.79	2.68	-135.12	-957.59	-953.67	1,351.47	1,346.01	5.46	247.368	
900.00	900.00	925.21	900.34	3.14	3.04	-135.07	-956.83	-954.54	1,351.54	1,345.37	6.18	218.818	
1,000.00	1,000.00	1,035.41	1,010.54	3.50	3.42	-135.04	-956.05	-954.86	1,351.26	1,344.34	6.92	195.308	
1,100.00	1,100.00	1,150.53	1,125.64	3.86	3.82	-135.04	-954.94	-953.62	1,349.80	1,342.13	7.68	175.831	
1,200.00	1,200.00	1,258.89	1,233.97	4.22	4.20	-135.06	-953.64	-951.54	1,347.59	1,339.18	8.41	160.204	
1,300.00	1,300.00	1,364.06	1,339.10	4.58	4.57	-135.11	-952.28	-948.79	1,344.83	1,335.70	9.14	147.193	
1,400.00	1,400.00	1,475.71	1,450.68	4.94	4.97	-135.19	-951.08	-944.86	1,341.60	1,331.72	9.88	135.736	
1,500.00	1,500.00	1,581.65	1,556.50	5.29	5.35	-135.31	-949.96	-939.86	1,337.52	1,326.91	10.61	126.020	
1,600.00	1,600.00	1,683.19	1,657.89	5.65	5.71	-135.44	-949.04	-934.59	1,333.23	1,321.90	11.33	117.677	
1,700.00	1,700.00	1,775.76	1,750.34	6.01	6.04	-135.56	-948.31	-929.90	1,329.11	1,317.09	12.02	110.612	
1,800.00	1,800.00	1,870.82	1,845.29	6.37	6.38	-135.68	-947.86	-925.52	1,325.55	1,312.84	12.71	104.290	
1,900.00	1,900.00	1,964.71	1,939.11	6.73	6.71	-135.79	-947.35	-921.71	1,322.33	1,308.93	13.40	98.684	
2,000.00	2,000.00	2,058.18	2,032.53	7.09	7.03	-135.87	-946.92	-918.53	1,319.63	1,305.54	14.09	93.678	
2,100.00	2,099.98	2,154.09	2,128.40	7.44	7.37	-103.55	-946.53	-915.79	1,317.76	1,302.98	14.78	89.157	
2,200.00	2,199.84	2,251.09	2,225.36	7.80	7.71	-103.85	-946.17	-913.30	1,316.94	1,301.47	15.48	85.099	
2,225.55	2,225.31	2,275.75	2,250.01	7.89	7.79	-103.94	-946.06	-912.73	1,316.91	1,301.25	15.65	84.134	
2,300.00	2,299.46	2,347.27	2,321.52	8.16	8.04	-104.25	-945.74	-911.22	1,317.24	1,301.07	16.17	81.475	
2,400.00	2,398.96	2,443.02	2,417.25	8.51	8.38	-104.70	-945.35	-909.48	1,318.21	1,301.35	16.86	78.193	
2,500.00	2,498.46	2,538.97	2,513.19	8.87	8.71	-105.14	-945.06	-908.04	1,319.53	1,301.98	17.55	75.187	
2,600.00	2,597.96	2,634.83	2,609.04	9.23	9.04	-105.56	-944.75	-906.97	1,321.19	1,302.95	18.24	72.426	
2,700.00	2,697.46	2,731.18	2,705.39	9.58	9.38	-105.99	-944.66	-906.08	1,323.23	1,304.29	18.94	69.880	
2,800.00	2,796.96	2,830.39	2,804.59	9.94	9.72	-106.42	-944.49	-905.37	1,325.42	1,305.78	19.64	67.486	
2,900.00	2,896.47	2,928.40	2,902.61	10.30	10.06	-106.83	-944.30	-904.82	1,327.77	1,307.43	20.34	65.277	
3,000.00	2,995.97	3,026.68	3,000.89	10.66	10.40	-107.23	-943.87	-904.69	1,330.29	1,309.25	21.04	63.220	
3,100.00	3,095.47	3,125.53	3,099.73	11.02	10.75	-107.61	-943.25	-904.91	1,332.95	1,311.20	21.75	61.297	
3,200.00	3,194.97	3,224.58	3,198.78	11.38	11.09	-107.97	-942.40	-905.45	1,335.69	1,313.24	22.45	59.496	
3,300.00	3,294.47	3,321.19	3,295.38	11.74	11.43	-108.32	-941.63	-906.08	1,338.61	1,315.46	23.15	57.834	
3,400.00	3,393.97	3,415.64	3,389.82	12.10	11.76	-108.67	-941.16	-906.89	1,341.93	1,318.10	23.83	56.306	
3,500.00	3,493.48	3,512.45	3,486.63	12.46	12.10	-109.02	-940.84	-907.80	1,345.50	1,320.97	24.53	54.854	
3,600.00	3,592.98	3,600.00	3,574.17	12.82	12.40	-109.34	-941.22	-908.94	1,349.92	1,324.73	25.19	53.593	
3,700.00	3,692.48	3,711.01	3,685.17	13.18	12.79	-109.75	-941.73	-910.32	1,354.41	1,328.47	25.94	52.217	
3,800.00	3,791.98	3,813.47	3,787.63	13.54	13.14	-110.13	-941.60	-911.15	1,358.22	1,331.57	26.66	50.954	
3,900.00	3,891.48	3,909.80	3,883.95	13.90	13.48	-110.48	-941.53	-911.98	1,362.16	1,334.81	27.35	49.804	
4,000.00	3,990.98	4,012.04	3,986.19	14.26	13.84	-110.84	-941.41	-912.86	1,366.11	1,338.04	28.07	48.672	
4,100.00	4,090.49	4,106.67	4,080.82	14.62	14.17	-111.18	-941.42	-913.72	1,370.25	1,341.49	28.76	47.650	
4,200.00	4,189.99	4,208.17	4,182.31	14.98	14.52	-111.55	-941.51	-914.64	1,374.51	1,345.04	29.47	46.639	
4,300.00	4,289.49	4,302.66	4,276.79	15.35	14.85	-111.89	-941.74	-915.53	1,378.96	1,348.80	30.16	45.723	
4,400.00	4,388.99	4,400.00	4,374.13	15.71	15.19	-112.24	-942.20	-916.50	1,383.69	1,352.83	30.86	44.841	
4,500.00	4,488.49	4,495.93	4,470.05	16.07	15.52	-112.59	-942.88	-917.48	1,388.68	1,357.13	31.55	44.014	
4,600.00	4,587.99	4,593.34	4,567.45	16.43	15.86	-112.95	-943.90	-918.40	1,393.96	1,361.71	32.25	43.224	
4,700.00	4,687.50	4,693.18	4,667.28	16.79	16.21	-113.34	-945.22	-919.06	1,399.37	1,366.41	32.96	42.458	
4,800.00	4,787.00	4,791.14	4,765.23	17.16	16.55	-113.72	-946.70	-919.48	1,404.86	1,371.20	33.66	41.736	
4,900.00	4,886.50	4,889.61	4,863.68	17.52	16.89	-114.12	-948.40	-919.73	1,410.51	1,376.14	34.36	41.045	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - OH - OH Svy — **Offset Site Error:** 0.00 usft

Survey Program: 100-GYRO-NS — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,986.00	4,985.20	4,959.25	17.88	17.22	-114.52	-950.42	-919.69	1,416.38	1,381.32	35.06	40.402	
5,100.00	5,085.50	5,083.29	5,057.32	18.24	17.56	-114.93	-952.79	-919.53	1,422.52	1,386.76	35.76	39.780	
5,200.00	5,185.00	5,178.47	5,152.46	18.61	17.89	-115.34	-955.30	-919.31	1,428.89	1,392.44	36.45	39.201	
5,300.00	5,284.51	5,272.92	5,246.87	18.97	18.22	-115.74	-958.10	-919.18	1,435.66	1,398.53	37.14	38.658	
5,400.00	5,384.01	5,369.64	5,343.54	19.33	18.56	-116.14	-961.04	-919.43	1,442.79	1,404.95	37.83	38.135	
5,500.00	5,483.59	5,470.88	5,444.74	19.69	18.91	-116.60	-964.05	-919.88	1,449.64	1,411.09	38.55	37.605	
5,600.00	5,583.41	5,575.84	5,549.66	20.05	19.28	-116.95	-966.90	-920.26	1,454.78	1,415.50	39.28	37.037	
5,700.00	5,683.38	5,677.04	5,650.83	20.41	19.63	-117.15	-969.54	-920.23	1,458.08	1,418.09	39.99	36.461	
5,800.00	5,783.38	5,774.60	5,748.35	20.76	19.97	-149.68	-971.79	-920.82	1,460.40	1,419.71	40.68	35.897	
5,900.00	5,883.38	5,876.86	5,850.59	21.12	20.33	-149.66	-973.67	-922.40	1,462.77	1,421.37	41.40	35.335	
6,000.00	5,983.38	6,008.07	5,981.78	21.47	20.78	-149.63	-974.70	-924.10	1,464.15	1,421.92	42.23	34.672	
6,100.00	6,083.38	6,092.48	6,066.18	21.83	21.08	-149.66	-975.63	-923.81	1,464.90	1,422.02	42.87	34.170	
6,200.00	6,183.38	6,188.68	6,162.35	22.18	21.41	-149.73	-977.73	-922.74	1,466.23	1,422.67	43.56	33.660	
6,300.00	6,283.38	6,292.86	6,266.51	22.54	21.78	-149.81	-979.91	-921.74	1,467.55	1,423.26	44.28	33.141	
6,400.00	6,383.38	6,387.47	6,361.10	22.89	22.11	-149.86	-981.57	-921.34	1,468.86	1,423.89	44.96	32.667	
6,500.00	6,483.38	6,481.25	6,454.86	23.25	22.44	-149.88	-983.34	-921.52	1,470.58	1,424.94	45.64	32.219	
6,600.00	6,583.38	6,575.22	6,548.81	23.60	22.76	-149.90	-985.33	-922.11	1,472.73	1,426.41	46.32	31.793	
6,700.00	6,683.38	6,682.45	6,656.02	23.96	23.14	-149.92	-987.54	-923.01	1,474.95	1,427.89	47.06	31.343	
6,800.00	6,783.38	6,804.06	6,777.60	24.32	23.56	-149.87	-988.11	-924.86	1,476.12	1,428.27	47.85	30.848	
6,900.00	6,883.38	6,900.00	6,873.50	24.67	23.90	-149.76	-987.31	-927.40	1,476.73	1,428.19	48.54	30.422	
7,000.00	6,983.38	6,988.11	6,961.56	25.03	24.20	-149.65	-986.66	-930.47	1,477.85	1,428.65	49.20	30.039	
7,100.00	7,083.38	7,069.71	7,043.08	25.38	24.49	20.77	-986.49	-934.07	1,479.87	1,430.05	49.82	29.703	
7,200.00	7,182.76	7,153.12	7,126.37	25.70	24.78	21.23	-987.17	-938.37	1,473.93	1,423.52	50.41	29.238	
7,300.00	7,278.91	7,237.61	7,210.72	25.99	25.08	22.51	-988.54	-943.11	1,452.92	1,401.93	50.98	28.498	
7,400.00	7,368.92	7,322.66	7,295.60	26.25	25.38	24.81	-990.51	-948.08	1,417.34	1,365.81	51.53	27.504	
7,500.00	7,450.04	7,410.42	7,383.20	26.46	25.69	28.60	-992.68	-952.87	1,367.80	1,315.73	52.07	26.270	
7,600.00	7,519.81	7,485.64	7,458.31	26.65	25.95	34.34	-994.62	-956.48	1,305.96	1,253.45	52.51	24.870	
7,700.00	7,576.11	7,549.05	7,521.65	26.83	26.17	42.95	-996.32	-959.10	1,234.18	1,181.32	52.87	23.345	
7,800.00	7,617.23	7,596.67	7,569.22	26.99	26.34	55.25	-997.58	-960.81	1,155.20	1,102.08	53.13	21.744	
7,900.00	7,643.30	7,626.54	7,599.06	27.11	26.44	66.70	-998.37	-961.80	1,072.49	1,019.20	53.29	20.127	
8,000.00	7,660.07	7,646.79	7,619.30	27.23	26.52	75.46	-998.90	-962.46	989.97	936.57	53.40	18.538	
8,100.00	7,668.19	7,658.25	7,630.75	27.34	26.56	83.31	-999.20	-962.82	909.30	855.81	53.49	16.998	
8,200.00	7,668.96	7,662.23	7,634.71	27.45	26.57	86.57	-999.31	-962.95	832.47	778.90	53.57	15.540	
8,300.00	7,668.89	7,665.25	7,637.74	27.58	26.58	86.97	-999.39	-963.04	763.31	709.64	53.68	14.220	
8,400.00	7,668.82	7,668.17	7,640.66	27.72	26.59	87.33	-999.47	-963.14	704.52	650.67	53.85	13.084	
8,500.00	7,668.76	7,671.00	7,643.48	27.89	26.60	87.64	-999.54	-963.22	658.94	604.85	54.09	12.183	
8,600.00	7,668.69	7,673.71	7,646.19	28.07	26.61	87.92	-999.61	-963.31	629.51	575.12	54.39	11.573	
8,700.00	7,668.62	7,676.37	7,648.84	28.26	26.62	88.16	-999.68	-963.39	617.21	562.47	54.74	11.276	
8,726.63	7,668.60	7,677.07	7,649.55	28.32	26.62	88.23	-999.70	-963.41	616.63	561.80	54.83	11.246	CC, ES, SF
8,800.00	7,668.55	7,679.02	7,651.49	28.48	26.63	88.41	-999.75	-963.47	620.98	565.91	55.07	11.276	
8,900.00	7,668.49	7,681.67	7,654.15	28.71	26.64	88.66	-999.82	-963.56	640.52	585.18	55.34	11.574	
9,000.00	7,668.42	7,684.33	7,656.80	28.96	26.65	88.90	-999.89	-963.64	674.47	618.94	55.54	12.145	
9,100.00	7,668.35	7,686.99	7,659.46	29.23	26.66	89.15	-999.96	-963.72	720.79	665.14	55.65	12.952	
9,200.00	7,668.29	7,689.65	7,662.11	29.51	26.67	89.40	-1,000.04	-963.80	777.28	721.57	55.70	13.954	
9,300.00	7,668.22	7,692.31	7,664.77	29.81	26.67	89.64	-1,000.11	-963.88	841.88	786.17	55.71	15.111	
9,400.00	7,668.15	7,694.97	7,667.43	30.13	26.68	89.89	-1,000.18	-963.96	912.88	857.18	55.70	16.389	
9,500.00	7,668.09	7,697.63	7,670.09	30.46	26.69	90.14	-1,000.25	-964.05	988.90	933.23	55.67	17.763	
9,600.00	7,668.02	7,700.30	7,672.76	30.81	26.70	90.39	-1,000.32	-964.13	1,068.87	1,013.23	55.64	19.210	
9,700.00	7,667.95	7,702.92	7,675.37	31.18	26.71	90.63	-1,000.39	-964.21	1,151.97	1,096.36	55.61	20.715	
9,800.00	7,667.89	7,705.55	7,678.00	31.56	26.72	90.87	-1,000.46	-964.29	1,237.56	1,181.98	55.58	22.266	
9,900.00	7,667.82	7,708.18	7,680.63	31.95	26.73	91.12	-1,000.53	-964.37	1,325.17	1,269.62	55.55	23.854	
10,000.00	7,667.75	7,710.82	7,683.27	32.35	26.74	91.36	-1,000.60	-964.45	1,414.42	1,358.89	55.53	25.470	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - OH - OH Svy

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	7,667.69	7,713.46	7,685.91	32.77	26.75	91.61	-1,000.67	-964.53	1,505.02	1,449.50	55.52	27.109	
10,200.00	7,667.62	7,716.11	7,688.55	33.20	26.76	91.85	-1,000.74	-964.61	1,596.73	1,541.22	55.51	28.767	
10,300.00	7,667.55	7,718.76	7,691.20	33.64	26.77	92.10	-1,000.81	-964.69	1,689.38	1,633.88	55.50	30.440	
10,400.00	7,667.48	7,721.42	7,693.86	34.10	26.78	92.34	-1,000.88	-964.77	1,782.82	1,727.33	55.50	32.126	
10,500.00	7,667.42	7,724.08	7,696.52	34.56	26.79	92.59	-1,000.95	-964.85	1,876.94	1,821.44	55.50	33.821	
10,600.00	7,667.35	7,726.75	7,699.19	35.04	26.79	92.83	-1,001.02	-964.93	1,971.63	1,916.13	55.50	35.524	
10,700.00	7,667.28	7,729.42	7,701.86	35.52	26.80	93.08	-1,001.10	-965.01	2,066.81	2,011.31	55.51	37.234	
10,800.00	7,667.22	7,732.10	7,704.54	36.02	26.81	93.33	-1,001.17	-965.09	2,162.43	2,106.91	55.52	38.949	
10,900.00	7,667.15	7,734.79	7,707.22	36.52	26.82	93.57	-1,001.24	-965.18	2,258.43	2,202.89	55.53	40.668	
11,000.00	7,667.08	7,737.48	7,709.90	37.04	26.83	93.82	-1,001.31	-965.26	2,354.75	2,299.20	55.55	42.389	
11,100.00	7,667.02	7,740.17	7,712.60	37.56	26.84	94.07	-1,001.38	-965.34	2,451.37	2,395.80	55.57	44.113	
11,200.00	7,666.95	7,742.87	7,715.29	38.09	26.85	94.32	-1,001.46	-965.42	2,548.24	2,492.65	55.59	45.839	
11,300.00	7,666.88	7,745.58	7,718.00	38.63	26.86	94.57	-1,001.53	-965.51	2,645.35	2,589.73	55.62	47.565	
11,400.00	7,666.82	7,748.29	7,720.71	39.17	26.87	94.82	-1,001.60	-965.59	2,742.66	2,687.02	55.64	49.292	
11,500.00	7,666.75	7,751.00	7,723.42	39.72	26.88	95.06	-1,001.68	-965.67	2,840.15	2,784.48	55.67	51.018	
11,600.00	7,666.68	7,753.72	7,726.14	40.28	26.89	95.31	-1,001.75	-965.76	2,937.81	2,882.11	55.70	52.744	
11,700.00	7,666.62	7,756.45	7,728.86	40.85	26.90	95.56	-1,001.82	-965.84	3,035.62	2,979.89	55.73	54.469	
11,800.00	7,666.55	7,759.18	7,731.59	41.42	26.91	95.81	-1,001.90	-965.92	3,133.57	3,077.81	55.76	56.193	
11,900.00	7,666.48	7,761.92	7,734.33	42.00	26.92	96.06	-1,001.97	-966.01	3,231.64	3,175.84	55.80	57.915	
12,000.00	7,666.41	7,764.66	7,737.07	42.58	26.93	96.31	-1,002.05	-966.09	3,329.82	3,273.99	55.84	59.636	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - ST01 - ST01 Svy

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 10281-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	22.77	-2.03	0.00	0.03	-135.48	-961.35	-945.50	1,348.40				
100.00	100.00	115.26	90.46	0.28	0.20	-135.46	-961.44	-946.01	1,348.85	1,348.37	0.47	2,842.131	
200.00	200.00	211.84	187.03	0.63	0.54	-135.43	-961.40	-947.23	1,349.70	1,348.53	1.17	1,150.322	
300.00	300.00	313.60	288.78	0.99	0.90	-135.38	-961.27	-948.68	1,350.61	1,348.72	1.89	714.852	
400.00	400.00	417.76	392.93	1.35	1.26	-135.33	-960.92	-950.02	1,351.27	1,348.66	2.61	517.223	
500.00	500.00	521.23	496.39	1.71	1.62	-135.27	-960.33	-951.26	1,351.72	1,348.38	3.33	405.564	
600.00	600.00	628.10	603.26	2.07	2.00	-135.22	-959.39	-952.11	1,351.65	1,347.58	4.06	332.561	
700.00	700.00	726.35	701.50	2.43	2.34	-135.16	-958.34	-952.89	1,351.45	1,346.68	4.77	283.574	
739.55	739.55	764.39	739.54	2.57	2.47	-135.14	-958.00	-953.20	1,351.43	1,346.39	5.04	268.122	
800.00	800.00	823.53	798.67	2.79	2.68	-135.12	-957.59	-953.67	1,351.47	1,346.01	5.46	247.368	
900.00	900.00	925.21	900.34	3.14	3.04	-135.07	-956.83	-954.54	1,351.54	1,345.37	6.18	218.818	
1,000.00	1,000.00	1,035.41	1,010.54	3.50	3.42	-135.04	-956.05	-954.86	1,351.26	1,344.34	6.92	195.308	
1,100.00	1,100.00	1,150.53	1,125.64	3.86	3.82	-135.04	-954.94	-953.62	1,349.80	1,342.13	7.68	175.831	
1,200.00	1,200.00	1,258.89	1,233.97	4.22	4.20	-135.06	-953.64	-951.54	1,347.59	1,339.18	8.41	160.204	
1,300.00	1,300.00	1,364.06	1,339.10	4.58	4.57	-135.11	-952.28	-948.79	1,344.83	1,335.70	9.14	147.193	
1,400.00	1,400.00	1,475.71	1,450.68	4.94	4.97	-135.19	-951.08	-944.86	1,341.60	1,331.72	9.88	135.736	
1,500.00	1,500.00	1,581.65	1,556.50	5.29	5.35	-135.31	-949.96	-939.86	1,337.52	1,326.91	10.61	126.020	
1,600.00	1,600.00	1,683.19	1,657.89	5.65	5.71	-135.44	-949.04	-934.59	1,333.23	1,321.90	11.33	117.677	
1,700.00	1,700.00	1,775.76	1,750.34	6.01	6.04	-135.56	-948.31	-929.90	1,329.11	1,317.09	12.02	110.612	
1,800.00	1,800.00	1,870.82	1,845.29	6.37	6.38	-135.68	-947.86	-925.52	1,325.55	1,312.84	12.71	104.290	
1,900.00	1,900.00	1,964.71	1,939.11	6.73	6.71	-135.79	-947.35	-921.71	1,322.33	1,308.93	13.40	98.684	
2,000.00	2,000.00	2,058.18	2,032.53	7.09	7.03	-135.87	-946.92	-918.53	1,319.63	1,305.54	14.09	93.678	
2,100.00	2,099.98	2,154.09	2,128.40	7.44	7.37	-103.55	-946.53	-915.79	1,317.76	1,302.98	14.78	89.157	
2,200.00	2,199.84	2,251.09	2,225.36	7.80	7.71	-103.85	-946.17	-913.30	1,316.94	1,301.47	15.48	85.099	
2,225.55	2,225.31	2,275.75	2,250.01	7.89	7.79	-103.94	-946.06	-912.73	1,316.91	1,301.25	15.65	84.134	
2,300.00	2,299.46	2,347.27	2,321.52	8.16	8.04	-104.25	-945.74	-911.22	1,317.24	1,301.07	16.17	81.475	
2,400.00	2,398.96	2,443.02	2,417.25	8.51	8.38	-104.70	-945.35	-909.48	1,318.21	1,301.35	16.86	78.193	
2,500.00	2,498.46	2,538.97	2,513.19	8.87	8.71	-105.14	-945.06	-908.04	1,319.53	1,301.98	17.55	75.187	
2,600.00	2,597.96	2,634.83	2,609.04	9.23	9.04	-105.56	-944.75	-906.97	1,321.19	1,302.95	18.24	72.426	
2,700.00	2,697.46	2,731.18	2,705.39	9.58	9.38	-105.99	-944.66	-906.08	1,323.23	1,304.29	18.94	69.880	
2,800.00	2,796.96	2,830.39	2,804.59	9.94	9.72	-106.42	-944.49	-905.37	1,325.42	1,305.78	19.64	67.486	
2,900.00	2,896.47	2,928.40	2,902.61	10.30	10.06	-106.83	-944.30	-904.82	1,327.77	1,307.43	20.34	65.277	
3,000.00	2,995.97	3,026.68	3,000.89	10.66	10.40	-107.23	-943.87	-904.69	1,330.29	1,309.25	21.04	63.220	
3,100.00	3,095.47	3,125.53	3,099.73	11.02	10.75	-107.61	-943.25	-904.91	1,332.95	1,311.20	21.75	61.297	
3,200.00	3,194.97	3,224.58	3,198.78	11.38	11.09	-107.97	-942.40	-905.45	1,335.69	1,313.24	22.45	59.496	
3,300.00	3,294.47	3,321.19	3,295.38	11.74	11.43	-108.32	-941.63	-906.08	1,338.61	1,315.46	23.15	57.834	
3,400.00	3,393.97	3,415.64	3,389.82	12.10	11.76	-108.67	-941.16	-906.89	1,341.93	1,318.10	23.83	56.306	
3,500.00	3,493.48	3,512.45	3,486.63	12.46	12.10	-109.02	-940.84	-907.80	1,345.50	1,320.97	24.53	54.854	
3,600.00	3,592.98	3,600.00	3,574.17	12.82	12.40	-109.34	-941.22	-908.94	1,349.92	1,324.73	25.19	53.593	
3,700.00	3,692.48	3,711.01	3,685.17	13.18	12.79	-109.75	-941.73	-910.32	1,354.41	1,328.47	25.94	52.217	
3,800.00	3,791.98	3,813.47	3,787.63	13.54	13.14	-110.13	-941.60	-911.15	1,358.22	1,331.57	26.66	50.954	
3,900.00	3,891.48	3,909.80	3,883.95	13.90	13.48	-110.48	-941.53	-911.98	1,362.16	1,334.81	27.35	49.804	
4,000.00	3,990.98	4,012.04	3,986.19	14.26	13.84	-110.84	-941.41	-912.86	1,366.11	1,338.04	28.07	48.672	
4,100.00	4,090.49	4,106.67	4,080.82	14.62	14.17	-111.18	-941.42	-913.72	1,370.25	1,341.49	28.76	47.650	
4,200.00	4,189.99	4,208.17	4,182.31	14.98	14.52	-111.55	-941.51	-914.64	1,374.51	1,345.04	29.47	46.639	
4,300.00	4,289.49	4,302.66	4,276.79	15.35	14.85	-111.89	-941.74	-915.53	1,378.96	1,348.80	30.16	45.723	
4,400.00	4,388.99	4,400.00	4,374.13	15.71	15.19	-112.24	-942.20	-916.50	1,383.69	1,352.83	30.86	44.841	
4,500.00	4,488.49	4,495.93	4,470.05	16.07	15.52	-112.59	-942.88	-917.48	1,388.68	1,357.13	31.55	44.014	
4,600.00	4,587.99	4,593.34	4,567.45	16.43	15.86	-112.95	-943.90	-918.40	1,393.96	1,361.71	32.25	43.224	
4,700.00	4,687.50	4,693.18	4,667.28	16.79	16.21	-113.34	-945.22	-919.06	1,399.37	1,366.41	32.96	42.458	
4,800.00	4,787.00	4,791.14	4,765.23	17.16	16.55	-113.72	-946.70	-919.48	1,404.86	1,371.20	33.66	41.736	
4,900.00	4,886.50	4,889.61	4,863.68	17.52	16.89	-114.12	-948.40	-919.73	1,410.51	1,376.14	34.36	41.045	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - ST01 - ST01 Svy

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 10281-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,986.00	4,985.20	4,959.25	17.88	17.22	-114.52	-950.42	-919.69	1,416.38	1,381.32	35.06	40.402	
5,100.00	5,085.50	5,083.29	5,057.32	18.24	17.56	-114.93	-952.79	-919.53	1,422.52	1,386.76	35.76	39.780	
5,200.00	5,185.00	5,178.47	5,152.46	18.61	17.89	-115.34	-955.30	-919.31	1,428.89	1,392.44	36.45	39.201	
5,300.00	5,284.51	5,272.92	5,246.87	18.97	18.22	-115.74	-958.10	-919.18	1,435.66	1,398.53	37.14	38.658	
5,400.00	5,384.01	5,369.64	5,343.54	19.33	18.56	-116.14	-961.04	-919.43	1,442.79	1,404.95	37.83	38.135	
5,500.00	5,483.59	5,470.88	5,444.74	19.69	18.91	-116.60	-964.05	-919.88	1,449.64	1,411.09	38.55	37.605	
5,600.00	5,583.41	5,575.84	5,549.66	20.05	19.28	-116.95	-966.90	-920.26	1,454.78	1,415.50	39.28	37.037	
5,700.00	5,683.38	5,677.04	5,650.83	20.41	19.63	-117.15	-969.54	-920.23	1,458.08	1,418.09	39.99	36.461	
5,800.00	5,783.38	5,774.60	5,748.35	20.76	19.97	-149.68	-971.79	-920.82	1,460.40	1,419.71	40.68	35.897	
5,900.00	5,883.38	5,876.86	5,850.59	21.12	20.33	-149.66	-973.67	-922.40	1,462.77	1,421.37	41.40	35.335	
6,000.00	5,983.38	6,008.07	5,981.78	21.47	20.78	-149.63	-974.70	-924.10	1,464.15	1,421.92	42.23	34.672	
6,100.00	6,083.38	6,092.48	6,066.18	21.83	21.08	-149.66	-975.63	-923.81	1,464.90	1,422.02	42.87	34.170	
6,200.00	6,183.38	6,188.68	6,162.35	22.18	21.41	-149.73	-977.73	-922.74	1,466.23	1,422.67	43.56	33.660	
6,300.00	6,283.38	6,292.86	6,266.51	22.54	21.78	-149.81	-979.91	-921.74	1,467.55	1,423.26	44.28	33.141	
6,400.00	6,383.38	6,387.47	6,361.10	22.89	22.11	-149.86	-981.57	-921.34	1,468.86	1,423.89	44.96	32.667	
6,500.00	6,483.38	6,481.25	6,454.86	23.25	22.44	-149.88	-983.34	-921.52	1,470.58	1,424.94	45.64	32.219	
6,600.00	6,583.38	6,575.22	6,548.81	23.60	22.76	-149.90	-985.33	-922.11	1,472.73	1,426.41	46.32	31.793	
6,700.00	6,683.38	6,682.45	6,656.02	23.96	23.14	-149.92	-987.54	-923.01	1,474.95	1,427.89	47.06	31.343	
6,800.00	6,783.38	6,804.06	6,777.60	24.32	23.56	-149.87	-988.11	-924.86	1,476.12	1,428.27	47.85	30.848	
6,900.00	6,883.38	6,900.00	6,873.50	24.67	23.90	-149.76	-987.31	-927.40	1,476.73	1,428.19	48.54	30.422	
7,000.00	6,983.38	6,988.11	6,961.56	25.03	24.20	-149.65	-986.66	-930.47	1,477.85	1,428.65	49.20	30.039	
7,100.00	7,083.38	7,069.71	7,043.08	25.38	24.49	20.77	-986.49	-934.07	1,479.87	1,430.05	49.82	29.703	
7,200.00	7,182.76	7,153.12	7,126.37	25.70	24.78	21.23	-987.17	-938.37	1,473.93	1,423.52	50.41	29.238	
7,300.00	7,278.91	7,237.61	7,210.72	25.99	25.08	22.51	-988.54	-943.11	1,452.92	1,401.93	50.98	28.498	
7,400.00	7,368.92	7,322.66	7,295.60	26.25	25.38	24.81	-990.51	-948.08	1,417.34	1,365.81	51.53	27.504	
7,500.00	7,450.04	7,410.42	7,383.20	26.46	25.69	28.60	-992.68	-952.87	1,367.80	1,315.73	52.07	26.270	
7,600.00	7,519.81	7,485.64	7,458.31	26.65	25.95	34.34	-994.62	-956.48	1,305.96	1,253.45	52.51	24.870	
7,700.00	7,576.11	7,549.05	7,521.65	26.83	26.17	42.95	-996.32	-959.10	1,234.18	1,181.32	52.87	23.345	
7,800.00	7,617.23	7,596.67	7,569.22	26.99	26.34	55.25	-997.58	-960.81	1,155.20	1,102.08	53.13	21.744	
7,900.00	7,643.30	7,626.54	7,599.06	27.11	26.44	66.70	-998.37	-961.80	1,072.49	1,019.20	53.29	20.127	
8,000.00	7,660.07	7,646.79	7,619.30	27.23	26.52	75.46	-998.90	-962.46	989.97	936.57	53.40	18.538	
8,100.00	7,668.19	7,658.25	7,630.75	27.34	26.56	83.31	-999.20	-962.82	909.30	855.81	53.49	16.998	
8,200.00	7,668.96	7,662.23	7,634.71	27.45	26.57	86.57	-999.31	-962.95	832.47	778.90	53.57	15.540	
8,300.00	7,668.89	7,665.25	7,637.74	27.58	26.58	86.97	-999.39	-963.04	763.31	709.64	53.68	14.220	
8,400.00	7,668.82	7,668.17	7,640.66	27.72	26.59	87.33	-999.47	-963.14	704.52	650.67	53.85	13.084	
8,500.00	7,668.76	7,671.00	7,643.48	27.89	26.60	87.64	-999.54	-963.22	658.94	604.85	54.09	12.183	
8,600.00	7,668.69	7,673.71	7,646.19	28.07	26.61	87.92	-999.61	-963.31	629.51	575.12	54.39	11.573	
8,700.00	7,668.62	7,676.37	7,648.84	28.26	26.62	88.16	-999.68	-963.39	617.21	562.47	54.74	11.276	
8,726.63	7,668.60	7,677.07	7,649.55	28.32	26.62	88.23	-999.70	-963.41	616.63	561.80	54.83	11.246	CC, ES, SF
8,800.00	7,668.55	7,679.02	7,651.49	28.48	26.63	88.41	-999.75	-963.47	620.98	565.91	55.07	11.276	
8,900.00	7,668.49	7,681.67	7,654.15	28.71	26.64	88.66	-999.82	-963.56	640.52	585.18	55.34	11.574	
9,000.00	7,668.42	7,684.33	7,656.80	28.96	26.65	88.90	-999.89	-963.64	674.47	618.94	55.54	12.145	
9,100.00	7,668.35	7,686.99	7,659.46	29.23	26.66	89.15	-999.96	-963.72	720.79	665.14	55.65	12.952	
9,200.00	7,668.29	7,689.65	7,662.11	29.51	26.67	89.40	-1,000.04	-963.80	777.28	721.57	55.70	13.954	
9,300.00	7,668.22	7,692.31	7,664.77	29.81	26.67	89.64	-1,000.11	-963.88	841.88	786.17	55.71	15.111	
9,400.00	7,668.15	7,694.97	7,667.43	30.13	26.68	89.89	-1,000.18	-963.96	912.88	857.18	55.70	16.389	
9,500.00	7,668.09	7,697.63	7,670.09	30.46	26.69	90.14	-1,000.25	-964.05	988.90	933.23	55.67	17.763	
9,600.00	7,668.02	7,700.30	7,672.76	30.81	26.70	90.39	-1,000.32	-964.13	1,068.87	1,013.23	55.64	19.210	
9,700.00	7,667.95	7,702.92	7,675.37	31.18	26.71	90.63	-1,000.39	-964.21	1,151.97	1,096.36	55.61	20.715	
9,800.00	7,667.89	7,705.55	7,678.00	31.56	26.72	90.87	-1,000.46	-964.29	1,237.56	1,181.98	55.58	22.266	
9,900.00	7,667.82	7,708.18	7,680.63	31.95	26.73	91.12	-1,000.53	-964.37	1,325.17	1,269.62	55.55	23.854	
10,000.00	7,667.75	7,710.82	7,683.27	32.35	26.74	91.36	-1,000.60	-964.45	1,414.42	1,358.89	55.53	25.470	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Pintail 23 Fed Com 001H - ST01 - ST01 Svy

Offset Site Error: 0.00 usft

Survey Program: 100-GYRO-NS, 10281-MWD OWSG Rev5

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	7,667.69	7,713.46	7,685.91	32.77	26.75	91.61	-1,000.67	-964.53	1,505.02	1,449.50	55.52	27.109	
10,200.00	7,667.62	7,716.11	7,688.55	33.20	26.76	91.85	-1,000.74	-964.61	1,596.73	1,541.22	55.51	28.767	
10,300.00	7,667.55	7,718.76	7,691.20	33.64	26.77	92.10	-1,000.81	-964.69	1,689.38	1,633.88	55.50	30.440	
10,400.00	7,667.48	7,721.42	7,693.86	34.10	26.78	92.34	-1,000.88	-964.77	1,782.82	1,727.33	55.50	32.126	
10,500.00	7,667.42	7,724.08	7,696.52	34.56	26.79	92.59	-1,000.95	-964.85	1,876.94	1,821.44	55.50	33.821	
10,600.00	7,667.35	7,726.75	7,699.19	35.04	26.79	92.83	-1,001.02	-964.93	1,971.63	1,916.13	55.50	35.524	
10,700.00	7,667.28	7,729.42	7,701.86	35.52	26.80	93.08	-1,001.10	-965.01	2,066.81	2,011.31	55.51	37.234	
10,800.00	7,667.22	7,732.10	7,704.54	36.02	26.81	93.33	-1,001.17	-965.09	2,162.43	2,106.91	55.52	38.949	
10,900.00	7,667.15	7,734.79	7,707.22	36.52	26.82	93.57	-1,001.24	-965.18	2,258.43	2,202.89	55.53	40.668	
11,000.00	7,667.08	7,737.48	7,709.90	37.04	26.83	93.82	-1,001.31	-965.26	2,354.75	2,299.20	55.55	42.389	
11,100.00	7,667.02	7,740.17	7,712.60	37.56	26.84	94.07	-1,001.38	-965.34	2,451.37	2,395.80	55.57	44.113	
11,200.00	7,666.95	7,742.87	7,715.29	38.09	26.85	94.32	-1,001.46	-965.42	2,548.24	2,492.65	55.59	45.839	
11,300.00	7,666.88	7,745.58	7,718.00	38.63	26.86	94.57	-1,001.53	-965.51	2,645.35	2,589.73	55.62	47.565	
11,400.00	7,666.82	7,748.29	7,720.71	39.17	26.87	94.82	-1,001.60	-965.59	2,742.66	2,687.02	55.64	49.292	
11,500.00	7,666.75	7,751.00	7,723.42	39.72	26.88	95.06	-1,001.68	-965.67	2,840.15	2,784.48	55.67	51.018	
11,600.00	7,666.68	7,753.72	7,726.14	40.28	26.89	95.31	-1,001.75	-965.76	2,937.81	2,882.11	55.70	52.744	
11,700.00	7,666.62	7,756.45	7,728.86	40.85	26.90	95.56	-1,001.82	-965.84	3,035.62	2,979.89	55.73	54.469	
11,800.00	7,666.55	7,759.18	7,731.59	41.42	26.91	95.81	-1,001.90	-965.92	3,133.57	3,077.81	55.76	56.193	
11,900.00	7,666.48	7,761.92	7,734.33	42.00	26.92	96.06	-1,001.97	-966.01	3,231.64	3,175.84	55.80	57.915	
12,000.00	7,666.41	7,764.66	7,737.07	42.58	26.93	96.31	-1,002.05	-966.09	3,329.82	3,273.99	55.84	59.636	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Wigeon 23 Fed Com #2 - OH - Cone

Offset Site Error: 0.00 usft

Survey Program: 12345-2_Assumed Vertical

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	27.20	0.00	0.00	114.43	-935.09	2,058.14	2,260.77				
100.00	100.00	72.80	100.00	0.28	2.21	114.43	-935.09	2,058.14	2,260.61	2,258.12	2.49	908.946	
200.00	200.00	172.80	200.00	0.63	5.25	114.43	-935.09	2,058.14	2,260.61	2,254.73	5.88	384.300	
300.00	300.00	272.80	300.00	0.99	8.28	114.43	-935.09	2,058.14	2,260.61	2,251.33	9.28	243.659	
400.00	400.00	372.80	400.00	1.35	11.32	114.43	-935.09	2,058.14	2,260.61	2,247.94	12.67	178.379	
500.00	500.00	472.80	500.00	1.71	14.36	114.43	-935.09	2,058.14	2,260.61	2,244.54	16.07	140.686	
600.00	600.00	572.80	600.00	2.07	17.40	114.43	-935.09	2,058.14	2,260.61	2,241.15	19.46	116.144	
700.00	700.00	672.80	700.00	2.43	20.43	114.43	-935.09	2,058.14	2,260.61	2,237.75	22.86	98.893	
800.00	800.00	772.80	800.00	2.79	23.47	114.43	-935.09	2,058.14	2,260.61	2,234.36	26.25	86.104	
900.00	900.00	872.80	900.00	3.14	26.51	114.43	-935.09	2,058.14	2,260.61	2,230.96	29.65	76.244	
1,000.00	1,000.00	972.80	1,000.00	3.50	29.54	114.43	-935.09	2,058.14	2,260.61	2,227.56	33.05	68.410	
1,100.00	1,100.00	1,072.80	1,100.00	3.86	32.58	114.43	-935.09	2,058.14	2,260.61	2,224.17	36.44	62.036	
1,200.00	1,200.00	1,172.80	1,200.00	4.22	35.62	114.43	-935.09	2,058.14	2,260.61	2,220.77	39.84	56.748	
1,300.00	1,300.00	1,272.80	1,300.00	4.58	38.65	114.43	-935.09	2,058.14	2,260.61	2,217.38	43.23	52.291	
1,400.00	1,400.00	1,372.80	1,400.00	4.94	41.69	114.43	-935.09	2,058.14	2,260.61	2,213.98	46.63	48.483	
1,500.00	1,500.00	1,472.80	1,500.00	5.29	44.73	114.43	-935.09	2,058.14	2,260.61	2,210.59	50.02	45.192	
1,600.00	1,600.00	1,572.80	1,600.00	5.65	47.76	114.43	-935.09	2,058.14	2,260.61	2,207.19	53.42	42.320	
1,700.00	1,700.00	1,672.80	1,700.00	6.01	50.80	114.43	-935.09	2,058.14	2,260.61	2,203.80	56.81	39.791	
1,800.00	1,800.00	1,772.80	1,800.00	6.37	53.84	114.43	-935.09	2,058.14	2,260.61	2,200.40	60.21	37.547	
1,900.00	1,900.00	1,872.80	1,900.00	6.73	56.87	114.43	-935.09	2,058.14	2,260.61	2,197.01	63.60	35.542	
2,000.00	2,000.00	1,972.80	2,000.00	7.09	59.91	114.43	-935.09	2,058.14	2,260.61	2,193.61	67.00	33.741	CC
2,100.00	2,099.98	2,072.78	2,099.98	7.44	62.95	146.94	-935.09	2,058.14	2,262.07	2,191.68	70.39	32.136	
2,200.00	2,199.84	2,172.64	2,199.84	7.80	65.98	146.97	-935.09	2,058.14	2,266.46	2,192.68	73.78	30.719	
2,300.00	2,299.46	2,272.26	2,299.46	8.16	69.01	147.02	-935.09	2,058.14	2,273.75	2,196.59	77.16	29.468	
2,400.00	2,398.96	2,371.76	2,398.96	8.51	72.03	147.16	-935.09	2,058.14	2,282.13	2,201.60	80.53	28.337	
2,500.00	2,498.46	2,471.26	2,498.46	8.87	75.05	147.29	-935.09	2,058.14	2,290.53	2,206.62	83.91	27.298	
2,600.00	2,597.96	2,570.76	2,597.96	9.23	78.07	147.42	-935.09	2,058.14	2,298.94	2,211.65	87.29	26.338	
2,700.00	2,697.46	2,670.26	2,697.46	9.58	81.09	147.56	-935.09	2,058.14	2,307.36	2,216.69	90.66	25.450	
2,800.00	2,796.96	2,769.76	2,796.96	9.94	84.11	147.69	-935.09	2,058.14	2,315.79	2,221.75	94.04	24.626	
2,900.00	2,896.47	2,869.27	2,896.47	10.30	87.14	147.82	-935.09	2,058.14	2,324.23	2,226.82	97.42	23.858	
3,000.00	2,995.97	2,968.77	2,995.97	10.66	90.16	147.95	-935.09	2,058.14	2,332.69	2,231.90	100.80	23.143	
3,100.00	3,095.47	3,068.27	3,095.47	11.02	93.18	148.08	-935.09	2,058.14	2,341.16	2,236.99	104.17	22.473	
3,200.00	3,194.97	3,167.77	3,194.97	11.38	96.20	148.21	-935.09	2,058.14	2,349.64	2,242.09	107.55	21.846	
3,300.00	3,294.47	3,267.27	3,294.47	11.74	99.22	148.34	-935.09	2,058.14	2,358.13	2,247.20	110.93	21.257	
3,400.00	3,393.97	3,366.77	3,393.97	12.10	102.24	148.46	-935.09	2,058.14	2,366.64	2,252.33	114.31	20.703	
3,500.00	3,493.48	3,466.28	3,493.48	12.46	105.27	148.59	-935.09	2,058.14	2,375.15	2,257.46	117.69	20.181	
3,600.00	3,592.98	3,565.78	3,592.98	12.82	108.29	148.71	-935.09	2,058.14	2,383.68	2,262.61	121.07	19.688	
3,700.00	3,692.48	3,665.28	3,692.48	13.18	111.31	148.84	-935.09	2,058.14	2,392.22	2,267.77	124.45	19.222	
3,800.00	3,791.98	3,764.78	3,791.98	13.54	114.33	148.96	-935.09	2,058.14	2,400.77	2,272.93	127.83	18.780	
3,900.00	3,891.48	3,864.28	3,891.48	13.90	117.35	149.08	-935.09	2,058.14	2,409.33	2,278.11	131.21	18.362	
4,000.00	3,990.98	3,963.78	3,990.98	14.26	120.38	149.20	-935.09	2,058.14	2,417.90	2,283.30	134.60	17.964	
4,100.00	4,090.49	4,063.29	4,090.49	14.62	123.40	149.32	-935.09	2,058.14	2,426.48	2,288.50	137.98	17.586	
4,200.00	4,189.99	4,162.79	4,189.99	14.98	126.42	149.44	-935.09	2,058.14	2,435.07	2,293.71	141.36	17.226	
4,300.00	4,289.49	4,262.29	4,289.49	15.35	129.44	149.56	-935.09	2,058.14	2,443.67	2,298.93	144.74	16.883	
4,400.00	4,388.99	4,361.79	4,388.99	15.71	132.46	149.68	-935.09	2,058.14	2,452.29	2,304.17	148.12	16.556	
4,500.00	4,488.49	4,461.29	4,488.49	16.07	135.48	149.80	-935.09	2,058.14	2,460.91	2,309.41	151.50	16.243	
4,600.00	4,587.99	4,560.79	4,587.99	16.43	138.51	149.91	-935.09	2,058.14	2,469.54	2,314.66	154.89	15.944	
4,700.00	4,687.50	4,660.30	4,687.50	16.79	141.53	150.03	-935.09	2,058.14	2,478.19	2,319.92	158.27	15.658	
4,800.00	4,787.00	4,759.80	4,787.00	17.16	144.55	150.14	-935.09	2,058.14	2,486.84	2,325.19	161.65	15.384	
4,900.00	4,886.50	4,859.30	4,886.50	17.52	147.57	150.26	-935.09	2,058.14	2,495.50	2,330.47	165.03	15.121	
5,000.00	4,986.00	4,958.80	4,986.00	17.88	150.59	150.37	-935.09	2,058.14	2,504.18	2,335.76	168.41	14.869	
5,100.00	5,085.50	5,058.30	5,085.50	18.24	153.61	150.48	-935.09	2,058.14	2,512.86	2,341.06	171.80	14.627	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Wigeon 23 Fed Com #2 - OH - Cone

Offset Site Error: 0.00 usft

Survey Program: 12345-2_Assumed Vertical

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,185.00	5,157.80	5,185.00	18.61	156.64	150.59	-935.09	2,058.14	2,521.55	2,346.37	175.18	14.394	
5,300.00	5,284.51	5,257.31	5,284.51	18.97	159.66	150.70	-935.09	2,058.14	2,530.25	2,351.69	178.56	14.170	
5,400.00	5,384.01	5,356.81	5,384.01	19.33	162.68	150.81	-935.09	2,058.14	2,538.96	2,357.02	181.94	13.955	
5,500.00	5,483.59	5,456.39	5,483.59	19.69	165.70	150.97	-935.09	2,058.14	2,546.95	2,361.62	185.33	13.743	
5,600.00	5,583.41	5,556.21	5,583.41	20.05	168.74	151.08	-935.09	2,058.14	2,552.03	2,363.32	188.72	13.523	
5,700.00	5,683.38	5,656.18	5,683.38	20.41	171.77	151.12	-935.09	2,058.14	2,554.07	2,361.96	192.11	13.295	
5,800.00	5,783.38	5,756.18	5,783.38	20.76	174.81	118.62	-935.09	2,058.14	2,554.11	2,358.61	195.50	13.064	
5,900.00	5,883.38	5,856.18	5,883.38	21.12	177.84	118.62	-935.09	2,058.14	2,554.11	2,355.22	198.89	12.842	
6,000.00	5,983.38	5,956.18	5,983.38	21.47	180.88	118.62	-935.09	2,058.14	2,554.11	2,351.83	202.29	12.626	
6,100.00	6,083.38	6,056.18	6,083.38	21.83	183.92	118.62	-935.09	2,058.14	2,554.11	2,348.44	205.68	12.418	
6,200.00	6,183.38	6,156.18	6,183.38	22.18	186.96	118.62	-935.09	2,058.14	2,554.11	2,345.04	209.07	12.217	
6,300.00	6,283.38	6,256.18	6,283.38	22.54	189.99	118.62	-935.09	2,058.14	2,554.11	2,341.65	212.46	12.022	
6,400.00	6,383.38	6,356.18	6,383.38	22.89	193.03	118.62	-935.09	2,058.14	2,554.11	2,338.26	215.85	11.833	
6,500.00	6,483.38	6,456.18	6,483.38	23.25	196.07	118.62	-935.09	2,058.14	2,554.11	2,334.87	219.24	11.650	
6,600.00	6,583.38	6,556.18	6,583.38	23.60	199.10	118.62	-935.09	2,058.14	2,554.11	2,331.48	222.64	11.472	
6,700.00	6,683.38	6,656.18	6,683.38	23.96	202.14	118.62	-935.09	2,058.14	2,554.11	2,328.08	226.03	11.300	
6,800.00	6,783.38	6,756.18	6,783.38	24.32	205.18	118.62	-935.09	2,058.14	2,554.11	2,324.69	229.42	11.133	
6,900.00	6,883.38	6,856.18	6,883.38	24.67	208.21	118.62	-935.09	2,058.14	2,554.11	2,321.30	232.81	10.971	
7,000.00	6,983.38	6,956.18	6,983.38	25.03	211.25	118.62	-935.09	2,058.14	2,554.11	2,317.91	236.20	10.813	
7,100.00	7,083.38	7,056.18	7,083.38	25.38	214.29	-71.08	-935.09	2,058.14	2,554.10	2,314.50	239.60	10.660	
7,200.00	7,182.76	7,155.56	7,182.76	25.70	217.31	-71.59	-935.09	2,058.14	2,550.91	2,307.98	242.93	10.501	
7,300.00	7,278.91	7,251.71	7,278.91	25.99	220.23	-72.96	-935.09	2,058.14	2,542.37	2,296.23	246.15	10.329	
7,400.00	7,368.92	7,341.72	7,368.92	26.25	222.96	-75.09	-935.09	2,058.14	2,529.23	2,280.08	249.15	10.151	
7,500.00	7,450.04	7,422.84	7,450.04	26.46	225.42	-77.78	-935.09	2,058.14	2,512.62	2,260.76	251.86	9.976	
7,600.00	7,519.81	7,492.61	7,519.81	26.65	227.54	-80.79	-935.09	2,058.14	2,493.94	2,239.75	254.19	9.811	
7,700.00	7,576.11	7,548.91	7,576.11	26.83	229.25	-83.80	-935.09	2,058.14	2,474.78	2,218.69	256.08	9.664	
7,800.00	7,617.23	7,590.03	7,617.23	26.99	230.50	-86.51	-935.09	2,058.14	2,456.68	2,199.19	257.49	9.541	
7,900.00	7,643.30	7,616.10	7,643.30	27.11	231.29	-88.26	-935.09	2,058.14	2,441.05	2,182.64	258.40	9.447	
8,000.00	7,660.07	7,632.87	7,660.07	27.23	231.80	-89.26	-935.09	2,058.14	2,428.94	2,169.91	259.03	9.377	
8,100.00	7,668.19	7,640.99	7,668.19	27.34	232.05	-89.87	-935.09	2,058.14	2,420.72	2,161.33	259.39	9.332	
8,200.00	7,668.96	7,641.76	7,668.96	27.45	232.07	-90.00	-935.09	2,058.14	2,416.03	2,156.52	259.51	9.310	
8,300.00	7,668.89	7,641.69	7,668.89	27.58	232.07	-90.00	-935.09	2,058.14	2,412.32	2,152.69	259.62	9.292	
8,400.00	7,668.82	7,641.62	7,668.82	27.72	232.07	-90.00	-935.09	2,058.14	2,409.26	2,149.50	259.75	9.275	
8,500.00	7,668.76	7,641.56	7,668.76	27.89	232.06	-90.00	-935.09	2,058.14	2,406.85	2,146.96	259.89	9.261	
8,600.00	7,668.69	7,641.49	7,668.69	28.07	232.06	-90.00	-935.09	2,058.14	2,405.11	2,145.07	260.04	9.249	
8,637.22	7,668.66	7,641.46	7,668.66	28.14	232.06	-90.00	-935.09	2,058.14	2,404.85	2,144.75	260.11	9.246	ES
8,700.00	7,668.62	7,641.42	7,668.62	28.26	232.06	-90.00	-935.09	2,058.14	2,405.43	2,145.22	260.21	9.244	SF
8,800.00	7,668.55	7,641.35	7,668.55	28.48	232.06	-90.00	-935.09	2,058.14	2,409.88	2,149.50	260.38	9.255	
8,900.00	7,668.49	7,641.29	7,668.49	28.71	232.06	-90.00	-935.09	2,058.14	2,418.45	2,157.89	260.56	9.282	
9,000.00	7,668.42	7,641.22	7,668.42	28.96	232.05	-89.99	-935.09	2,058.14	2,431.11	2,170.37	260.75	9.324	
9,100.00	7,668.35	7,641.15	7,668.35	29.23	232.05	-89.99	-935.09	2,058.14	2,447.80	2,186.86	260.94	9.381	
9,200.00	7,668.29	7,641.09	7,668.29	29.51	232.05	-89.99	-935.09	2,058.14	2,468.43	2,207.29	261.14	9.453	
9,300.00	7,668.22	7,641.02	7,668.22	29.81	232.05	-89.99	-935.09	2,058.14	2,492.90	2,231.57	261.33	9.539	
9,400.00	7,668.15	7,640.95	7,668.15	30.13	232.05	-89.99	-935.09	2,058.14	2,521.10	2,259.58	261.52	9.640	
9,500.00	7,668.09	7,640.89	7,668.09	30.46	232.04	-89.99	-935.09	2,058.14	2,552.91	2,291.20	261.71	9.755	
9,600.00	7,668.02	7,640.82	7,668.02	30.81	232.04	-89.98	-935.09	2,058.14	2,588.20	2,326.31	261.90	9.883	
9,700.00	7,667.95	7,640.75	7,667.95	31.18	232.04	-89.98	-935.09	2,058.14	2,626.82	2,364.75	262.07	10.023	
9,800.00	7,667.89	7,640.69	7,667.89	31.56	232.04	-89.98	-935.09	2,058.14	2,668.63	2,406.39	262.25	10.176	
9,900.00	7,667.82	7,640.62	7,667.82	31.95	232.04	-89.98	-935.09	2,058.14	2,713.49	2,451.07	262.41	10.340	
10,000.00	7,667.75	7,640.55	7,667.75	32.35	232.03	-89.98	-935.09	2,058.14	2,761.24	2,498.66	262.57	10.516	
10,100.00	7,667.69	7,640.49	7,667.69	32.77	232.03	-89.98	-935.09	2,058.14	2,811.73	2,549.01	262.72	10.702	
10,200.00	7,667.62	7,640.42	7,667.62	33.20	232.03	-89.98	-935.09	2,058.14	2,864.83	2,601.96	262.87	10.898	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26 Federal Com - Wigeon 23 Fed Com #2 - OH - Cone

Offset Site Error: 0.00 usft

Survey Program: 12345-2_Assumed Vertical

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,667.55	7,640.35	7,667.55	33.64	232.03	-89.97	-935.09	2,058.14	2,920.39	2,657.38	263.00	11.104	
10,400.00	7,667.48	7,640.28	7,667.48	34.10	232.03	-89.97	-935.09	2,058.14	2,978.27	2,715.13	263.13	11.319	
10,500.00	7,667.42	7,640.22	7,667.42	34.56	232.02	-89.97	-935.09	2,058.14	3,038.33	2,775.08	263.25	11.541	
10,600.00	7,667.35	7,640.15	7,667.35	35.04	232.02	-89.97	-935.09	2,058.14	3,100.47	2,837.10	263.37	11.772	
10,700.00	7,667.28	7,640.08	7,667.28	35.52	232.02	-89.97	-935.09	2,058.14	3,164.54	2,901.06	263.48	12.011	
10,800.00	7,667.22	7,640.02	7,667.22	36.02	232.02	-89.97	-935.09	2,058.14	3,230.43	2,966.86	263.58	12.256	
10,900.00	7,667.15	7,639.95	7,667.15	36.52	232.02	-89.96	-935.09	2,058.14	3,298.05	3,034.37	263.67	12.508	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Bonnie 35 Fed Com 004H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 23-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
15,600.00	7,663.97	11,991.00	7,376.23	66.07	71.29	-81.96	-10,506.77	1,616.76	3,324.56	3,223.93	100.63	33.039	
15,700.00	7,663.90	11,991.00	7,376.23	66.77	71.29	-81.96	-10,506.77	1,616.76	3,246.27	3,143.79	102.47	31.679	
15,800.00	7,663.83	11,991.00	7,376.23	67.47	71.29	-81.96	-10,506.77	1,616.76	3,169.20	3,064.80	104.40	30.357	
15,900.00	7,663.77	11,991.00	7,376.23	68.17	71.29	-81.96	-10,506.77	1,616.76	3,093.45	2,987.05	106.40	29.073	
16,000.00	7,663.70	11,991.00	7,376.23	68.87	71.29	-81.96	-10,506.77	1,616.76	3,019.10	2,910.62	108.48	27.830	
16,100.00	7,663.64	11,991.00	7,376.23	69.57	71.29	-81.96	-10,506.77	1,616.76	2,946.28	2,835.64	110.65	26.628	
16,200.00	7,663.57	11,991.00	7,376.23	70.27	71.29	-81.96	-10,506.77	1,616.76	2,875.09	2,762.21	112.88	25.469	
16,300.00	7,663.50	11,991.00	7,376.23	70.98	71.29	-81.96	-10,506.77	1,616.76	2,805.66	2,690.46	115.20	24.355	
16,400.00	7,663.44	11,991.00	7,376.23	71.69	71.29	-81.96	-10,506.77	1,616.76	2,738.12	2,620.54	117.58	23.287	
16,500.00	7,663.37	11,991.00	7,376.23	72.39	71.29	-81.96	-10,506.77	1,616.76	2,672.62	2,552.59	120.03	22.266	
16,600.00	7,663.30	11,991.00	7,376.23	73.10	71.29	-81.96	-10,506.77	1,616.76	2,609.31	2,486.77	122.54	21.294	
16,700.00	7,663.24	11,991.00	7,376.23	73.81	71.29	-81.96	-10,506.77	1,616.76	2,548.35	2,423.25	125.09	20.372	
16,800.00	7,663.17	11,991.00	7,376.23	74.52	71.29	-81.96	-10,506.77	1,616.76	2,489.91	2,362.23	127.68	19.501	
16,900.00	7,663.11	11,991.00	7,376.23	75.23	71.29	-81.96	-10,506.77	1,616.76	2,434.18	2,303.88	130.30	18.682	
17,000.00	7,663.04	11,991.00	7,376.23	75.95	71.29	-81.96	-10,506.77	1,616.76	2,381.35	2,248.44	132.91	17.917	
17,100.00	7,662.97	11,991.00	7,376.23	76.66	71.29	-81.96	-10,506.77	1,616.76	2,331.61	2,196.10	135.51	17.206	
17,200.00	7,662.91	11,991.00	7,376.23	77.38	71.29	-81.96	-10,506.77	1,616.76	2,285.16	2,147.10	138.07	16.551	
17,300.00	7,662.84	11,991.00	7,376.23	78.09	71.29	-81.96	-10,506.77	1,616.76	2,242.22	2,101.66	140.56	15.952	
17,400.00	7,662.77	11,991.00	7,376.23	78.81	71.29	-81.96	-10,506.77	1,616.76	2,202.98	2,060.03	142.95	15.410	
17,500.00	7,662.71	11,991.00	7,376.23	79.53	71.29	-81.96	-10,506.77	1,616.76	2,167.65	2,022.43	145.23	14.926	
17,600.00	7,662.64	11,991.00	7,376.23	80.24	71.29	-81.96	-10,506.77	1,616.76	2,136.42	1,989.08	147.34	14.500	
17,700.00	7,662.58	11,991.00	7,376.23	80.96	71.29	-81.96	-10,506.77	1,616.76	2,109.47	1,960.21	149.26	14.133	
17,800.00	7,662.51	11,991.00	7,376.23	81.68	71.29	-81.96	-10,506.77	1,616.76	2,086.97	1,936.01	150.97	13.824	
17,900.00	7,662.44	11,991.00	7,376.23	82.41	71.29	-81.96	-10,506.77	1,616.76	2,069.07	1,916.64	152.42	13.574	
18,000.00	7,662.38	11,991.00	7,376.23	83.13	71.29	-81.96	-10,506.77	1,616.76	2,055.88	1,902.27	153.61	13.384	
18,100.00	7,662.31	11,991.00	7,376.23	83.85	71.29	-81.96	-10,506.77	1,616.76	2,047.49	1,892.99	154.49	13.253	
18,200.00	7,662.24	11,991.00	7,376.23	84.57	71.29	-81.96	-10,506.77	1,616.76	2,043.96	1,888.89	155.07	13.181	
18,222.10	7,662.23	11,991.00	7,376.23	84.73	71.29	-81.96	-10,506.77	1,616.76	2,043.84	1,888.68	155.16	13.172	
18,300.00	7,662.18	11,937.70	7,376.36	85.30	70.59	-81.96	-10,560.06	1,617.09	2,044.63	1,889.71	154.92	13.198	
18,400.00	7,662.11	11,850.67	7,375.53	86.02	69.44	-81.95	-10,647.08	1,617.71	2,046.09	1,891.66	154.44	13.249	
18,500.00	7,662.04	11,773.00	7,374.12	86.75	68.41	-81.92	-10,724.74	1,618.88	2,048.46	1,894.45	154.02	13.300	
18,600.00	7,661.98	11,684.32	7,373.11	87.47	67.25	-81.90	-10,813.39	1,621.04	2,051.65	1,898.14	153.51	13.365	
18,700.00	7,661.91	11,584.58	7,372.51	88.20	65.95	-81.90	-10,913.08	1,623.86	2,055.15	1,902.22	152.93	13.438	
18,800.00	7,661.85	11,468.37	7,372.36	88.93	64.44	-81.91	-11,029.25	1,626.81	2,058.30	1,906.06	152.24	13.520	
18,900.00	7,661.78	11,344.16	7,376.80	89.65	62.83	-82.05	-11,153.36	1,629.21	2,060.32	1,908.82	151.50	13.600	
19,000.00	7,661.71	11,235.78	7,379.02	90.38	61.44	-82.12	-11,261.71	1,630.22	2,061.58	1,910.70	150.87	13.664	
19,100.00	7,661.65	11,130.78	7,381.04	91.11	60.09	-82.18	-11,366.68	1,630.91	2,062.58	1,912.29	150.28	13.724	
19,200.00	7,661.58	11,028.85	7,384.57	91.84	58.80	-82.28	-11,468.55	1,631.60	2,063.40	1,913.67	149.73	13.781	
19,300.00	7,661.51	10,927.00	7,385.70	92.57	57.51	-82.32	-11,570.37	1,631.84	2,064.10	1,914.92	149.18	13.836	
19,400.00	7,661.45	10,834.66	7,383.89	93.30	56.35	-82.27	-11,662.70	1,631.78	2,064.92	1,916.21	148.71	13.885	
19,500.00	7,661.38	10,673.61	7,382.95	94.03	54.34	-82.25	-11,823.73	1,630.40	2,064.92	1,917.27	147.64	13.986	
19,600.00	7,661.32	10,548.00	7,385.46	94.77	52.79	-82.31	-11,949.25	1,626.42	2,062.05	1,915.16	146.88	14.039	
19,700.00	7,661.25	10,453.00	7,387.26	95.50	51.62	-82.35	-12,044.18	1,623.28	2,059.13	1,912.69	146.45	14.061	
19,800.00	7,661.18	10,369.49	7,388.13	96.23	50.61	-82.37	-12,127.65	1,620.89	2,056.76	1,910.63	146.13	14.075	
19,900.00	7,661.12	10,280.66	7,388.26	96.96	49.54	-82.37	-12,216.45	1,618.73	2,054.95	1,909.18	145.76	14.098	
20,000.00	7,661.05	10,177.15	7,387.96	97.70	48.31	-82.36	-12,319.93	1,616.42	2,053.39	1,908.12	145.27	14.135	
20,100.00	7,660.98	10,075.01	7,388.81	98.43	47.11	-82.38	-12,422.04	1,614.07	2,051.61	1,906.81	144.80	14.168	
20,200.00	7,660.92	9,956.37	7,390.18	99.17	45.73	-82.41	-12,540.63	1,610.71	2,049.26	1,905.05	144.20	14.211	
20,300.00	7,660.85	9,858.79	7,390.89	99.90	44.62	-82.42	-12,638.15	1,607.46	2,046.48	1,902.67	143.81	14.230	
20,400.00	7,660.78	9,771.80	7,392.08	100.64	43.64	-82.45	-12,725.10	1,605.11	2,044.23	1,900.70	143.53	14.242	
20,500.00	7,660.72	9,677.41	7,394.98	101.37	42.59	-82.52	-12,819.42	1,603.11	2,042.35	1,899.15	143.20	14.262	
20,600.00	7,660.65	9,591.19	7,396.36	102.11	41.65	-82.56	-12,905.61	1,601.55	2,040.96	1,898.01	142.95	14.277	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Bonnie 35 Fed Com 004H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 23-MWD+HRGM

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,700.00	7,660.59	9,509.00	7,397.05	102.85	40.77	-82.58	-12,987.79	1,600.70	2,040.44	1,897.69	142.74	14.294	
20,703.38	7,660.58	9,508.94	7,397.05	102.87	40.77	-82.58	-12,987.85	1,600.70	2,040.44	1,897.68	142.76	14.293	
20,800.00	7,660.52	9,411.86	7,398.30	103.58	39.75	-82.62	-13,084.92	1,600.27	2,040.45	1,898.00	142.44	14.325	
20,900.00	7,660.45	9,292.80	7,398.50	104.32	38.54	-82.62	-13,203.97	1,598.69	2,039.68	1,897.68	142.01	14.363	
21,000.00	7,660.39	9,206.98	7,399.26	105.06	37.69	-82.64	-13,289.78	1,597.78	2,039.13	1,897.29	141.84	14.377	
21,100.00	7,660.32	9,104.55	7,402.08	105.80	36.70	-82.72	-13,392.17	1,597.33	2,038.96	1,897.38	141.58	14.402	
21,200.00	7,660.25	8,995.65	7,405.82	106.54	35.69	-82.83	-13,501.00	1,596.19	2,038.09	1,896.78	141.30	14.423	
21,300.00	7,660.19	8,909.98	7,407.73	107.28	34.92	-82.88	-13,586.64	1,595.52	2,037.64	1,896.43	141.21	14.429	
21,314.83	7,660.18	8,897.17	7,408.03	107.39	34.81	-82.89	-13,599.45	1,595.47	2,037.64	1,896.43	141.20	14.431	
21,400.00	7,660.12	8,822.39	7,410.17	108.02	34.17	-82.95	-13,674.20	1,595.48	2,037.87	1,896.73	141.14	14.439	
21,500.00	7,660.06	8,727.49	7,413.25	108.76	33.39	-83.05	-13,769.05	1,595.95	2,038.59	1,897.54	141.05	14.453	
21,600.00	7,659.99	8,622.23	7,415.30	109.50	32.57	-83.11	-13,874.29	1,596.18	2,039.18	1,898.22	140.96	14.466	
21,700.00	7,659.92	8,518.74	7,416.84	110.24	31.82	-83.16	-13,977.76	1,596.20	2,039.65	1,898.72	140.93	14.473	
21,800.00	7,659.86	7,286.52	7,186.39	110.98	25.43	-74.61	-15,061.43	1,282.01	2,032.86	1,908.83	124.02	16.391	
21,900.00	7,659.79	7,188.32	7,108.60	111.72	25.07	-71.78	-15,100.38	1,236.68	1,985.96	1,860.96	125.01	15.887	
22,000.00	7,659.72	7,181.00	7,102.53	112.46	25.05	-71.56	-15,102.77	1,233.35	1,941.65	1,814.16	127.49	15.230	
22,100.00	7,659.66	7,160.46	7,085.24	113.20	24.97	-70.93	-15,109.14	1,224.28	1,901.23	1,771.51	129.72	14.657	
22,200.00	7,659.59	7,149.00	7,075.41	113.94	24.93	-70.58	-15,112.50	1,219.44	1,865.20	1,733.22	131.98	14.132	
22,300.00	7,659.53	7,138.57	7,066.36	114.69	24.90	-70.25	-15,115.44	1,215.17	1,833.74	1,699.62	134.12	13.673	
22,400.00	7,659.46	7,127.63	7,056.79	115.43	24.86	-69.91	-15,118.41	1,210.80	1,807.10	1,671.02	136.08	13.280	
22,500.00	7,659.39	7,117.00	7,047.39	116.17	24.82	-69.57	-15,121.18	1,206.65	1,785.51	1,647.69	137.83	12.955	
22,600.00	7,659.33	7,117.00	7,047.39	116.91	24.82	-69.57	-15,121.18	1,206.65	1,769.24	1,629.82	139.42	12.690	
22,700.00	7,659.26	7,099.63	7,031.87	117.66	24.76	-69.02	-15,125.43	1,200.13	1,758.27	1,617.68	140.58	12.507	
22,800.00	7,659.19	7,086.00	7,019.54	118.40	24.71	-68.59	-15,128.52	1,195.21	1,752.91	1,611.43	141.48	12.390	
22,846.65	7,659.16	7,086.00	7,019.54	118.75	24.71	-68.59	-15,128.52	1,195.21	1,752.29	1,610.45	141.84	12.354	CC, ES
22,900.00	7,659.13	7,086.00	7,019.54	119.15	24.71	-68.59	-15,128.52	1,195.21	1,753.11	1,610.95	142.16	12.332	SF
23,000.00	7,659.06	7,086.00	7,019.54	119.89	24.71	-68.59	-15,128.52	1,195.21	1,758.99	1,616.51	142.49	12.345	
23,091.89	7,659.00	7,072.75	7,007.43	120.57	24.67	-68.17	-15,131.32	1,190.63	1,769.19	1,626.77	142.43	12.422	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	8.20	0.00	0.00	88.11	54.66	1,653.44	1,654.36				
100.00	100.00	91.80	100.00	0.28	0.24	88.11	54.66	1,653.44	1,654.34	1,653.83	0.52	3,204.540	
200.00	200.00	191.80	200.00	0.63	0.59	88.11	54.66	1,653.44	1,654.34	1,653.12	1.23	1,350.202	
300.00	300.00	291.80	300.00	0.99	0.95	88.11	54.66	1,653.44	1,654.34	1,652.40	1.94	851.789	
400.00	400.00	391.80	400.00	1.35	1.31	88.11	54.66	1,653.44	1,654.34	1,651.68	2.66	622.134	
500.00	500.00	491.80	500.00	1.71	1.67	88.11	54.66	1,653.44	1,654.34	1,650.97	3.38	490.018	
600.00	600.00	591.80	600.00	2.07	2.02	88.11	54.66	1,653.44	1,654.34	1,650.25	4.09	404.186	
700.00	700.00	691.80	700.00	2.43	2.38	88.11	54.66	1,653.44	1,654.34	1,649.53	4.81	343.940	
800.00	800.00	791.80	800.00	2.79	2.74	88.11	54.66	1,653.44	1,654.34	1,648.82	5.53	299.325	
900.00	900.00	891.80	900.00	3.14	3.10	88.11	54.66	1,653.44	1,654.34	1,648.10	6.24	264.955	
1,000.00	1,000.00	991.80	1,000.00	3.50	3.46	88.11	54.66	1,653.44	1,654.34	1,647.38	6.96	237.666	
1,100.00	1,100.00	1,091.80	1,100.00	3.86	3.82	88.11	54.66	1,653.44	1,654.34	1,646.67	7.68	215.473	
1,200.00	1,200.00	1,191.80	1,200.00	4.22	4.18	88.11	54.66	1,653.44	1,654.34	1,645.95	8.39	197.070	CC
1,300.00	1,300.00	1,284.84	1,293.03	4.58	4.51	88.06	55.91	1,653.58	1,654.54	1,645.45	9.09	182.096	
1,400.00	1,400.00	1,377.08	1,385.17	4.94	4.84	87.92	60.10	1,654.04	1,655.19	1,645.42	9.77	169.358	ES
1,500.00	1,500.00	1,468.96	1,476.76	5.29	5.17	87.67	67.20	1,654.81	1,656.34	1,645.88	10.46	158.377	
1,600.00	1,600.00	1,560.85	1,568.10	5.65	5.50	87.33	77.21	1,655.91	1,658.01	1,646.87	11.14	148.805	
1,700.00	1,700.00	1,660.09	1,666.58	6.01	5.86	86.91	89.37	1,657.24	1,659.98	1,648.13	11.85	140.045	
1,800.00	1,800.00	1,759.33	1,765.06	6.37	6.21	86.50	101.53	1,658.57	1,662.04	1,649.48	12.57	132.274	
1,900.00	1,900.00	1,858.56	1,863.54	6.73	6.57	86.08	113.69	1,659.90	1,664.19	1,650.91	13.28	125.336	
2,000.00	2,000.00	1,957.80	1,962.02	7.09	6.92	85.67	125.85	1,661.23	1,666.42	1,652.43	13.99	119.104	
2,100.00	2,099.98	2,057.19	2,060.65	7.44	7.28	117.75	138.03	1,662.56	1,669.56	1,654.85	14.70	113.544	
2,200.00	2,199.84	2,156.79	2,159.49	7.80	7.64	117.41	150.23	1,663.90	1,674.37	1,658.95	15.42	108.612	
2,300.00	2,299.46	2,256.48	2,258.42	8.16	8.00	117.16	162.44	1,665.23	1,680.79	1,664.66	16.13	104.214	
2,400.00	2,398.96	2,356.18	2,357.36	8.51	8.36	117.05	174.66	1,666.57	1,687.81	1,670.97	16.84	100.227	
2,500.00	2,498.46	2,455.88	2,456.30	8.87	8.72	116.95	186.88	1,667.91	1,694.84	1,677.28	17.55	96.558	
2,600.00	2,597.96	2,555.58	2,555.25	9.23	9.08	116.84	199.09	1,669.24	1,701.87	1,683.60	18.27	93.171	
2,700.00	2,697.46	2,655.28	2,654.19	9.58	9.44	116.73	211.31	1,670.58	1,708.91	1,689.93	18.98	90.035	
2,800.00	2,796.96	2,754.99	2,753.13	9.94	9.81	116.63	223.52	1,671.92	1,715.95	1,696.25	19.70	87.124	
2,900.00	2,896.47	2,854.69	2,852.07	10.30	10.17	116.52	235.74	1,673.25	1,723.00	1,702.59	20.41	84.415	
3,000.00	2,995.97	2,954.39	2,951.01	10.66	10.53	116.42	247.95	1,674.59	1,730.06	1,708.93	21.13	81.887	
3,100.00	3,095.47	3,054.09	3,049.95	11.02	10.89	116.31	260.17	1,675.93	1,737.12	1,715.27	21.84	79.524	
3,200.00	3,194.97	3,153.79	3,148.89	11.38	11.26	116.21	272.39	1,677.26	1,744.18	1,721.62	22.56	77.309	
3,300.00	3,294.47	3,253.49	3,247.83	11.74	11.62	116.11	284.60	1,678.60	1,751.26	1,727.98	23.28	75.230	
3,400.00	3,393.97	3,364.34	3,357.98	12.10	12.02	116.04	296.98	1,679.95	1,758.11	1,734.07	24.04	73.134	
3,500.00	3,493.48	3,479.50	3,472.81	12.46	12.44	116.10	305.48	1,680.88	1,764.12	1,739.30	24.81	71.095	
3,600.00	3,592.98	3,594.43	3,587.66	12.82	12.85	116.31	309.38	1,681.31	1,769.27	1,743.69	25.58	69.158	
3,700.00	3,692.48	3,699.25	3,692.48	13.18	13.22	116.60	309.66	1,681.34	1,773.79	1,747.47	26.31	67.411	
3,800.00	3,791.98	3,798.75	3,791.98	13.54	13.57	116.89	309.66	1,681.34	1,778.29	1,751.27	27.02	65.804	
3,900.00	3,891.48	3,898.25	3,891.48	13.90	13.92	117.17	309.66	1,681.34	1,782.84	1,755.10	27.74	64.280	
4,000.00	3,990.98	3,997.75	3,990.98	14.26	14.28	117.46	309.66	1,681.34	1,787.43	1,758.99	28.45	62.833	
4,100.00	4,090.49	4,097.25	4,090.49	14.62	14.63	117.74	309.66	1,681.34	1,792.07	1,762.91	29.16	61.458	
4,200.00	4,189.99	4,196.75	4,189.99	14.98	14.98	118.02	309.66	1,681.34	1,796.75	1,766.88	29.87	60.149	
4,300.00	4,289.49	4,296.26	4,289.49	15.35	15.34	118.30	309.66	1,681.34	1,801.48	1,770.89	30.58	58.901	
4,400.00	4,388.99	4,395.76	4,388.99	15.71	15.69	118.58	309.66	1,681.34	1,806.24	1,774.94	31.30	57.712	
4,500.00	4,488.49	4,495.26	4,488.49	16.07	16.04	118.85	309.66	1,681.34	1,811.05	1,779.04	32.01	56.576	
4,600.00	4,587.99	4,594.76	4,587.99	16.43	16.40	119.13	309.66	1,681.34	1,815.90	1,783.18	32.72	55.491	
4,700.00	4,687.50	4,694.26	4,687.50	16.79	16.75	119.40	309.66	1,681.34	1,820.79	1,787.36	33.44	54.453	
4,800.00	4,787.00	4,793.76	4,787.00	17.16	17.10	119.67	309.66	1,681.34	1,825.73	1,791.58	34.15	53.460	
4,900.00	4,886.50	4,893.27	4,886.50	17.52	17.46	119.94	309.66	1,681.34	1,830.70	1,795.84	34.87	52.508	
5,000.00	4,986.00	4,992.77	4,986.00	17.88	17.81	120.21	309.66	1,681.34	1,835.72	1,800.14	35.58	51.595	
5,100.00	5,085.50	5,092.27	5,085.50	18.24	18.17	120.48	309.66	1,681.34	1,840.77	1,804.48	36.29	50.718	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,185.00	5,191.77	5,185.00	18.61	18.52	120.74	309.66	1,681.34	1,845.87	1,808.86	37.01	49.877	
5,300.00	5,284.51	5,291.27	5,284.51	18.97	18.88	121.01	309.66	1,681.34	1,851.00	1,813.28	37.72	49.068	
5,400.00	5,384.01	5,390.77	5,384.01	19.33	19.23	121.27	309.66	1,681.34	1,856.18	1,817.74	38.44	48.290	
5,500.00	5,483.59	5,490.35	5,483.59	19.69	19.58	121.56	309.66	1,681.34	1,860.95	1,821.80	39.15	47.530	
5,600.00	5,583.41	5,590.18	5,583.41	20.05	19.94	121.77	309.66	1,681.34	1,864.01	1,824.14	39.87	46.755	
5,700.00	5,683.38	5,690.15	5,683.38	20.41	20.30	121.85	309.66	1,681.34	1,865.23	1,824.65	40.58	45.964	
5,800.00	5,783.38	5,790.15	5,783.38	20.76	20.65	89.35	309.66	1,681.34	1,865.26	1,823.97	41.29	45.173	
5,900.00	5,883.38	5,890.15	5,883.38	21.12	21.01	89.35	309.66	1,681.34	1,865.26	1,823.26	42.00	44.407	
6,000.00	5,983.38	5,990.15	5,983.38	21.47	21.37	89.35	309.66	1,681.34	1,865.26	1,822.54	42.72	43.667	
6,100.00	6,083.38	6,090.15	6,083.38	21.83	21.72	89.35	309.66	1,681.34	1,865.26	1,821.83	43.43	42.952	
6,200.00	6,183.38	6,190.15	6,183.38	22.18	22.08	89.35	309.66	1,681.34	1,865.26	1,821.12	44.14	42.259	
6,300.00	6,283.38	6,290.15	6,283.38	22.54	22.44	89.35	309.66	1,681.34	1,865.26	1,820.41	44.85	41.587	
6,400.00	6,383.38	6,390.15	6,383.38	22.89	22.79	89.35	309.66	1,681.34	1,865.26	1,819.70	45.56	40.937	
6,500.00	6,483.38	6,490.15	6,483.38	23.25	23.15	89.35	309.66	1,681.34	1,865.26	1,818.98	46.28	40.307	
6,600.00	6,583.38	6,590.15	6,583.38	23.60	23.51	89.35	309.66	1,681.34	1,865.26	1,818.27	46.99	39.696	
6,700.00	6,683.38	6,690.15	6,683.38	23.96	23.87	89.35	309.66	1,681.34	1,865.26	1,817.56	47.70	39.102	
6,800.00	6,783.38	6,790.15	6,783.38	24.32	24.22	89.35	309.66	1,681.34	1,865.26	1,816.85	48.41	38.527	
6,900.00	6,883.38	6,890.15	6,883.38	24.67	24.58	89.35	309.66	1,681.34	1,865.26	1,816.13	49.13	37.967	
7,000.00	6,983.38	6,990.15	6,983.38	25.03	24.94	89.35	309.66	1,681.34	1,865.26	1,815.42	49.84	37.424	
7,008.66	6,992.04	6,998.81	6,992.04	25.06	24.97	-100.35	309.66	1,681.34	1,865.26	1,815.36	49.90	37.378	
7,100.00	7,083.38	7,090.15	7,083.38	25.38	25.29	-100.35	309.66	1,681.34	1,865.27	1,814.71	50.55	36.897	
7,200.00	7,182.76	7,189.53	7,182.76	25.70	25.65	-100.47	309.66	1,681.34	1,867.07	1,815.84	51.23	36.448	
7,300.00	7,278.91	7,285.68	7,278.91	25.99	25.99	-100.74	309.66	1,681.34	1,872.25	1,820.38	51.87	36.096	
7,400.00	7,368.92	7,375.69	7,368.92	26.25	26.32	-101.02	309.66	1,681.34	1,881.33	1,828.86	52.47	35.859	
7,500.00	7,450.04	7,456.81	7,450.04	26.46	26.61	-101.07	309.66	1,681.34	1,895.04	1,842.04	53.00	35.755	
7,600.00	7,519.81	7,526.58	7,519.81	26.65	26.85	-100.66	309.66	1,681.34	1,914.15	1,860.69	53.46	35.804	
7,700.00	7,576.11	7,582.88	7,576.11	26.83	27.06	-99.51	309.66	1,681.34	1,939.26	1,885.42	53.84	36.021	
7,800.00	7,617.23	7,624.00	7,617.23	26.99	27.20	-97.38	309.66	1,681.34	1,970.59	1,916.48	54.12	36.414	
7,900.00	7,643.30	7,650.07	7,643.30	27.11	27.30	-95.34	309.66	1,681.34	2,007.78	1,953.48	54.30	36.975	
8,000.00	7,660.07	7,666.84	7,660.07	27.23	27.36	-93.55	309.66	1,681.34	2,049.77	1,995.33	54.44	37.655	
8,100.00	7,668.19	7,674.96	7,668.19	27.34	27.38	-91.19	309.66	1,681.34	2,096.08	2,041.56	54.52	38.445	
8,200.00	7,668.96	7,675.73	7,668.96	27.45	27.39	-89.98	309.66	1,681.34	2,145.73	2,091.16	54.56	39.325	
8,300.00	7,668.89	7,675.66	7,668.89	27.58	27.39	-89.98	309.66	1,681.34	2,196.14	2,141.53	54.61	40.214	
8,400.00	7,668.82	7,675.59	7,668.82	27.72	27.39	-89.98	309.66	1,681.34	2,246.94	2,192.27	54.66	41.104	
8,500.00	7,668.76	7,675.52	7,668.76	27.89	27.39	-89.98	309.66	1,681.34	2,298.02	2,243.30	54.72	41.992	
8,600.00	7,668.69	9,775.91	8,834.34	28.07	32.04	-119.95	-887.70	1,676.71	2,334.80	2,279.85	54.95	42.490	
8,700.00	7,668.62	9,875.91	8,834.10	28.26	32.22	-119.94	-987.70	1,676.32	2,334.94	2,279.53	55.40	42.144	
8,800.00	7,668.55	9,975.91	8,833.85	28.48	32.42	-119.94	-1,087.70	1,675.93	2,335.06	2,279.16	55.90	41.774	
8,900.00	7,668.49	10,075.91	8,833.61	28.71	32.63	-119.93	-1,187.70	1,675.54	2,335.18	2,278.75	56.43	41.383	
9,000.00	7,668.42	10,175.91	8,833.36	28.96	32.86	-119.92	-1,287.70	1,675.15	2,335.30	2,278.30	57.00	40.973	
9,100.00	7,668.35	10,275.91	8,833.12	29.23	33.10	-119.92	-1,387.70	1,674.76	2,335.42	2,277.82	57.60	40.546	
9,200.00	7,668.29	10,375.91	8,832.87	29.51	33.36	-119.91	-1,487.70	1,674.37	2,335.54	2,277.30	58.24	40.105	
9,300.00	7,668.22	10,475.91	8,832.63	29.81	33.63	-119.90	-1,587.69	1,673.98	2,335.66	2,276.75	58.91	39.650	
9,400.00	7,668.15	10,575.91	8,832.38	30.13	33.93	-119.90	-1,687.69	1,673.59	2,335.78	2,276.17	59.61	39.185	
9,500.00	7,668.09	10,675.91	8,832.14	30.46	34.23	-119.89	-1,787.69	1,673.20	2,335.90	2,275.56	60.34	38.710	
9,600.00	7,668.02	10,775.91	8,831.89	30.81	34.55	-119.88	-1,887.69	1,672.81	2,336.02	2,274.92	61.11	38.229	
9,700.00	7,667.95	10,875.91	8,831.65	31.18	34.88	-119.88	-1,987.69	1,672.42	2,336.14	2,274.25	61.90	37.742	
9,800.00	7,667.89	10,975.91	8,831.41	31.56	35.23	-119.87	-2,087.69	1,672.03	2,336.27	2,273.55	62.72	37.250	
9,900.00	7,667.82	11,252.70	8,830.73	31.95	36.25	-119.98	-2,364.12	1,660.04	2,333.60	2,269.17	64.43	36.218	
10,000.00	7,667.75	11,387.12	8,830.40	32.35	36.77	-120.14	-2,497.79	1,645.90	2,324.78	2,259.33	65.45	35.519	
10,100.00	7,667.69	11,486.59	8,830.16	32.77	37.16	-120.27	-2,596.68	1,635.13	2,315.87	2,249.53	66.33	34.912	
10,200.00	7,667.62	11,586.07	8,829.92	33.20	37.57	-120.39	-2,695.57	1,624.36	2,306.96	2,239.72	67.24	34.310	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	7,667.55	11,685.55	8,829.67	33.64	37.99	-120.52	-2,794.46	1,613.58	2,298.06	2,229.90	68.17	33.713	
10,400.00	7,667.48	11,785.03	8,829.43	34.10	38.42	-120.64	-2,893.36	1,602.81	2,289.18	2,220.06	69.12	33.121	
10,500.00	7,667.42	11,851.16	8,829.27	34.56	38.71	-120.72	-2,959.14	1,596.06	2,280.91	2,211.00	69.91	32.626	
10,600.00	7,667.35	11,900.00	8,829.15	35.04	38.93	-120.77	-3,007.81	1,592.01	2,274.42	2,203.80	70.62	32.207	
10,700.00	7,667.28	11,969.77	8,828.98	35.52	39.25	-120.81	-3,077.45	1,587.67	2,269.64	2,198.18	71.46	31.761	
10,800.00	7,667.22	12,029.26	8,828.84	36.02	39.53	-120.84	-3,136.89	1,585.30	2,266.68	2,194.43	72.25	31.373	
10,900.00	7,667.15	12,100.00	8,828.66	36.52	39.86	-120.84	-3,207.61	1,584.10	2,265.54	2,192.42	73.12	30.984	
10,917.64	7,667.14	12,100.00	8,828.66	36.61	39.86	-120.84	-3,207.61	1,584.10	2,265.48	2,192.28	73.19	30.953	
11,000.00	7,667.08	12,148.37	8,828.54	37.04	40.09	-120.84	-3,255.98	1,584.28	2,266.11	2,192.26	73.85	30.685	
11,100.00	7,667.02	12,200.00	8,828.42	37.56	40.34	-120.82	-3,307.60	1,585.38	2,268.52	2,193.92	74.60	30.411	
11,200.00	7,666.95	12,267.29	8,828.25	38.09	40.67	-120.77	-3,374.83	1,588.21	2,272.67	2,197.21	75.46	30.116	
11,300.00	7,666.88	12,326.56	8,828.11	38.63	40.96	-120.71	-3,433.98	1,592.00	2,278.63	2,202.36	76.27	29.874	
11,400.00	7,666.82	12,402.13	8,827.92	39.17	41.33	-120.62	-3,509.26	1,598.61	2,286.47	2,209.25	77.22	29.610	
11,500.00	7,666.75	12,473.70	8,827.75	39.72	41.70	-120.52	-3,580.46	1,605.82	2,295.43	2,217.29	78.14	29.375	
11,600.00	7,666.68	12,573.13	8,827.50	40.28	42.21	-120.38	-3,679.39	1,615.82	2,304.57	2,225.26	79.31	29.057	
11,700.00	7,666.62	12,672.56	8,827.26	40.85	42.72	-120.24	-3,778.31	1,625.83	2,313.72	2,233.23	80.49	28.744	
11,800.00	7,666.55	12,771.98	8,827.02	41.42	43.25	-120.11	-3,877.23	1,635.84	2,322.89	2,241.20	81.69	28.437	
11,900.00	7,666.48	12,871.41	8,826.77	42.00	43.78	-119.97	-3,976.15	1,645.84	2,332.07	2,249.18	82.89	28.135	
12,000.00	7,666.41	13,161.74	8,826.06	42.58	45.37	-119.74	-4,265.88	1,662.44	2,338.06	2,252.35	85.71	27.279	
12,100.00	7,666.35	13,283.35	8,825.77	43.17	46.05	-119.73	-4,387.49	1,662.13	2,337.95	2,250.86	87.09	26.845	
12,200.00	7,666.28	13,383.30	8,825.53	43.77	46.61	-119.79	-4,487.44	1,661.75	2,335.27	2,246.96	88.31	26.443	
12,300.00	7,666.21	13,483.08	8,825.29	44.37	47.18	-119.93	-4,587.22	1,661.37	2,329.56	2,240.02	89.54	26.017	
12,400.00	7,666.14	13,582.72	8,825.05	44.97	47.76	-120.03	-4,686.86	1,660.99	2,322.14	2,231.37	90.77	25.582	
12,500.00	7,666.07	13,682.36	8,824.80	45.58	48.34	-120.13	-4,786.50	1,660.60	2,314.72	2,222.70	92.02	25.156	
12,600.00	7,666.00	13,782.00	8,824.56	46.20	48.92	-120.24	-4,886.14	1,660.22	2,307.30	2,214.04	93.27	24.739	
12,700.00	7,665.93	13,881.64	8,824.32	46.82	49.51	-120.34	-4,985.78	1,659.84	2,299.89	2,205.37	94.53	24.331	
12,800.00	7,665.86	13,981.31	8,824.08	47.44	50.10	-120.41	-5,085.45	1,659.46	2,292.77	2,196.97	95.79	23.934	
12,900.00	7,665.79	14,081.17	8,823.84	48.07	50.70	-120.42	-5,185.30	1,659.08	2,288.16	2,191.08	97.08	23.571	
13,000.00	7,665.72	14,181.15	8,823.60	48.70	51.30	-120.42	-5,285.28	1,658.69	2,286.56	2,188.19	98.37	23.244	
13,003.14	7,665.72	14,184.29	8,823.59	48.72	51.32	-120.42	-5,288.42	1,658.68	2,286.56	2,188.14	98.41	23.234	
13,100.00	7,665.65	14,281.13	8,823.36	49.34	51.91	-120.41	-5,385.26	1,658.31	2,287.97	2,188.29	99.68	22.954	
13,200.00	7,665.58	14,380.98	8,823.11	49.98	52.52	-120.38	-5,485.12	1,657.93	2,292.39	2,191.40	100.99	22.700	
13,300.00	7,665.51	14,480.63	8,822.87	50.61	53.14	-120.31	-5,584.76	1,657.55	2,299.55	2,197.24	102.31	22.477	
13,400.00	7,665.44	14,580.23	8,822.63	51.25	53.76	-120.20	-5,684.36	1,657.16	2,307.21	2,203.58	103.63	22.264	
13,500.00	7,665.37	14,679.83	8,822.39	51.89	54.38	-120.08	-5,783.95	1,656.78	2,314.88	2,209.92	104.96	22.056	
13,600.00	7,665.30	14,779.42	8,822.15	52.54	55.00	-119.97	-5,883.55	1,656.40	2,322.56	2,216.27	106.29	21.851	
13,700.00	7,665.23	14,879.02	8,821.91	53.19	55.63	-119.85	-5,983.15	1,656.02	2,330.25	2,222.62	107.63	21.651	
13,800.00	7,665.16	14,978.74	8,821.67	53.84	56.26	-119.70	-6,082.86	1,655.64	2,336.64	2,227.67	108.97	21.443	
13,900.00	7,665.09	15,078.65	8,821.43	54.50	56.90	-119.62	-6,182.78	1,655.25	2,340.02	2,229.71	110.32	21.212	
14,000.00	7,665.03	15,178.65	8,821.18	55.16	57.54	-119.60	-6,282.77	1,654.87	2,340.65	2,228.98	111.67	20.961	
14,100.00	7,664.96	15,278.65	8,820.94	55.83	58.18	-119.59	-6,382.77	1,654.49	2,340.78	2,227.75	113.02	20.710	
14,200.00	7,664.90	15,378.65	8,820.70	56.49	58.83	-119.59	-6,482.77	1,654.10	2,340.91	2,226.52	114.39	20.465	
14,300.00	7,664.83	15,478.64	8,820.46	57.16	59.48	-119.58	-6,582.77	1,653.72	2,341.04	2,225.29	115.75	20.225	
14,400.00	7,664.76	15,578.64	8,820.22	57.84	60.13	-119.57	-6,682.76	1,653.34	2,341.17	2,224.04	117.12	19.989	
14,500.00	7,664.70	15,678.64	8,819.97	58.51	60.78	-119.57	-6,782.76	1,652.95	2,341.29	2,222.80	118.49	19.759	
14,600.00	7,664.63	15,778.64	8,819.73	59.19	61.44	-119.56	-6,882.76	1,652.57	2,341.42	2,221.55	119.87	19.533	
14,700.00	7,664.56	15,878.64	8,819.49	59.87	62.10	-119.55	-6,982.76	1,652.19	2,341.55	2,220.30	121.25	19.311	
14,800.00	7,664.50	15,978.64	8,819.25	60.55	62.76	-119.55	-7,082.76	1,651.80	2,341.68	2,219.04	122.64	19.094	
14,900.00	7,664.43	16,078.64	8,819.01	61.24	63.43	-119.54	-7,182.76	1,651.42	2,341.81	2,217.78	124.03	18.881	
15,000.00	7,664.37	16,178.64	8,818.76	61.92	64.09	-119.53	-7,282.75	1,651.04	2,341.94	2,216.52	125.42	18.673	
15,100.00	7,664.30	16,278.64	8,818.52	62.61	64.76	-119.53	-7,382.75	1,650.65	2,342.07	2,215.25	126.82	18.468	
15,200.00	7,664.23	16,378.64	8,818.28	63.30	65.43	-119.52	-7,482.75	1,650.27	2,342.20	2,213.99	128.21	18.268	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,300.00	7,664.17	16,478.64	8,818.04	63.99	66.10	-119.51	-7,582.75	1,649.89	2,342.33	2,212.71	129.62	18.071	
15,400.00	7,664.10	16,578.64	8,817.80	64.68	66.78	-119.51	-7,682.75	1,649.50	2,342.46	2,211.44	131.02	17.878	
15,500.00	7,664.03	16,678.64	8,817.55	65.37	67.45	-119.50	-7,782.75	1,649.12	2,342.59	2,210.16	132.43	17.689	
15,600.00	7,663.97	16,778.64	8,817.31	66.07	68.13	-119.49	-7,882.75	1,648.74	2,342.72	2,208.88	133.84	17.504	
15,700.00	7,663.90	16,878.64	8,817.07	66.77	68.81	-119.49	-7,982.74	1,648.35	2,342.85	2,207.59	135.25	17.322	
15,800.00	7,663.83	16,978.64	8,816.83	67.47	69.49	-119.48	-8,082.74	1,647.97	2,342.98	2,206.31	136.67	17.143	
15,900.00	7,663.77	17,078.64	8,816.59	68.17	70.18	-119.47	-8,182.74	1,647.59	2,343.11	2,205.02	138.09	16.968	
16,000.00	7,663.70	17,178.64	8,816.34	68.87	70.86	-119.47	-8,282.74	1,647.20	2,343.24	2,203.73	139.51	16.796	
16,100.00	7,663.64	17,278.64	8,816.10	69.57	71.55	-119.46	-8,382.74	1,646.82	2,343.37	2,202.43	140.93	16.628	
16,200.00	7,663.57	17,378.64	8,815.86	70.27	72.24	-119.45	-8,482.74	1,646.44	2,343.50	2,201.14	142.36	16.462	
16,300.00	7,663.50	17,478.64	8,815.62	70.98	72.93	-119.45	-8,582.74	1,646.05	2,343.63	2,199.84	143.79	16.299	
16,400.00	7,663.44	17,578.63	8,815.38	71.69	73.62	-119.44	-8,682.73	1,645.67	2,343.76	2,198.54	145.22	16.140	
16,500.00	7,663.37	17,678.63	8,815.13	72.39	74.31	-119.43	-8,782.73	1,645.29	2,343.89	2,197.24	146.65	15.983	
16,600.00	7,663.30	17,778.63	8,814.89	73.10	75.01	-119.43	-8,882.73	1,644.91	2,344.01	2,195.93	148.08	15.829	
16,700.00	7,663.24	17,878.63	8,814.65	73.81	75.70	-119.42	-8,982.73	1,644.52	2,344.14	2,194.62	149.52	15.678	
16,800.00	7,663.17	17,978.63	8,814.41	74.52	76.40	-119.41	-9,082.73	1,644.14	2,344.27	2,193.32	150.96	15.529	
16,900.00	7,663.11	18,078.63	8,814.17	75.23	77.10	-119.41	-9,182.73	1,643.76	2,344.40	2,192.01	152.40	15.383	
17,000.00	7,663.04	18,178.63	8,813.92	75.95	77.80	-119.40	-9,282.72	1,643.37	2,344.53	2,190.69	153.84	15.240	
17,100.00	7,662.97	18,278.63	8,813.68	76.66	78.50	-119.39	-9,382.72	1,642.99	2,344.66	2,189.38	155.29	15.099	
17,200.00	7,662.91	18,378.63	8,813.44	77.38	79.20	-119.38	-9,482.72	1,642.61	2,344.79	2,188.06	156.73	14.961	
17,300.00	7,662.84	18,478.63	8,813.20	78.09	79.90	-119.38	-9,582.72	1,642.22	2,344.92	2,186.75	158.18	14.824	
17,400.00	7,662.77	18,578.63	8,812.96	78.81	80.61	-119.37	-9,682.72	1,641.84	2,345.05	2,185.43	159.63	14.691	
17,500.00	7,662.71	18,678.63	8,812.71	79.53	81.31	-119.36	-9,782.72	1,641.46	2,345.19	2,184.11	161.08	14.559	
17,600.00	7,662.64	18,778.63	8,812.47	80.24	82.02	-119.36	-9,882.72	1,641.07	2,345.32	2,182.78	162.53	14.430	
17,700.00	7,662.58	18,878.63	8,812.23	80.96	82.73	-119.35	-9,982.71	1,640.69	2,345.45	2,181.46	163.99	14.303	
17,800.00	7,662.51	18,978.63	8,811.99	81.68	83.43	-119.34	-10,082.71	1,640.31	2,345.58	2,180.13	165.44	14.178	
17,900.00	7,662.44	19,078.63	8,811.75	82.41	84.14	-119.34	-10,182.71	1,639.92	2,345.71	2,178.81	166.90	14.055	
18,000.00	7,662.38	19,178.63	8,811.50	83.13	84.85	-119.33	-10,282.71	1,639.54	2,345.84	2,177.48	168.36	13.934	
18,100.00	7,662.31	19,278.63	8,811.26	83.85	85.56	-119.32	-10,382.71	1,639.16	2,345.97	2,176.15	169.82	13.815	
18,200.00	7,662.24	19,378.63	8,811.02	84.57	86.28	-119.32	-10,482.71	1,638.77	2,346.10	2,174.82	171.28	13.698	
18,300.00	7,662.18	19,478.63	8,810.78	85.30	86.99	-119.31	-10,582.71	1,638.39	2,346.23	2,173.49	172.74	13.583	
18,400.00	7,662.11	19,578.63	8,810.54	86.02	87.70	-119.30	-10,682.70	1,638.01	2,346.36	2,172.16	174.20	13.469	
18,500.00	7,662.04	19,678.63	8,810.29	86.75	88.42	-119.30	-10,782.70	1,637.62	2,346.49	2,170.82	175.67	13.358	
18,600.00	7,661.98	19,778.62	8,810.05	87.47	89.13	-119.29	-10,882.70	1,637.24	2,346.62	2,169.49	177.13	13.248	
18,700.00	7,661.91	19,878.62	8,809.81	88.20	89.85	-119.28	-10,982.70	1,636.86	2,346.75	2,168.15	178.60	13.140	
18,800.00	7,661.85	19,978.62	8,809.57	88.93	90.57	-119.28	-11,082.70	1,636.47	2,346.88	2,166.81	180.07	13.033	
18,900.00	7,661.78	20,078.62	8,809.33	89.65	91.28	-119.27	-11,182.70	1,636.09	2,347.01	2,165.47	181.54	12.929	
19,000.00	7,661.71	20,178.62	8,809.09	90.38	92.00	-119.26	-11,282.70	1,635.71	2,347.14	2,164.13	183.01	12.825	
19,100.00	7,661.65	20,278.62	8,808.84	91.11	92.72	-119.26	-11,382.69	1,635.32	2,347.27	2,162.79	184.48	12.724	
19,200.00	7,661.58	20,378.62	8,808.60	91.84	93.44	-119.25	-11,482.69	1,634.94	2,347.40	2,161.45	185.95	12.624	
19,300.00	7,661.51	20,478.62	8,808.36	92.57	94.16	-119.24	-11,582.69	1,634.56	2,347.53	2,160.11	187.43	12.525	
19,400.00	7,661.45	20,578.62	8,808.12	93.30	94.88	-119.24	-11,682.69	1,634.17	2,347.66	2,158.76	188.90	12.428	
19,500.00	7,661.38	20,678.62	8,807.88	94.03	95.61	-119.23	-11,782.69	1,633.79	2,347.79	2,157.42	190.38	12.332	
19,600.00	7,661.32	20,778.62	8,807.63	94.77	96.33	-119.22	-11,882.69	1,633.41	2,347.93	2,156.07	191.85	12.238	
19,700.00	7,661.25	20,878.62	8,807.39	95.50	97.05	-119.22	-11,982.68	1,633.02	2,348.06	2,154.73	193.33	12.145	
19,800.00	7,661.18	20,978.62	8,807.15	96.23	97.78	-119.21	-12,082.68	1,632.64	2,348.19	2,153.38	194.81	12.054	
19,900.00	7,661.12	21,078.62	8,806.91	96.96	98.50	-119.20	-12,182.68	1,632.26	2,348.32	2,152.03	196.29	11.964	
20,000.00	7,661.05	21,178.62	8,806.67	97.70	99.23	-119.20	-12,282.68	1,631.87	2,348.45	2,150.68	197.77	11.875	
20,100.00	7,660.98	21,278.62	8,806.42	98.43	99.95	-119.19	-12,382.68	1,631.49	2,348.58	2,149.33	199.25	11.787	
20,200.00	7,660.92	21,378.62	8,806.18	99.17	100.68	-119.18	-12,482.68	1,631.11	2,348.71	2,147.98	200.73	11.701	
20,300.00	7,660.85	21,478.62	8,805.94	99.90	101.41	-119.18	-12,582.68	1,630.72	2,348.84	2,146.63	202.21	11.616	
20,400.00	7,660.78	21,578.62	8,805.70	100.64	102.13	-119.17	-12,682.67	1,630.34	2,348.97	2,145.28	203.70	11.532	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,500.00	7,660.72	21,678.62	8,805.46	101.37	102.86	-119.16	-12,782.67	1,629.96	2,349.10	2,143.92	205.18	11.449	
20,600.00	7,660.65	21,778.62	8,805.21	102.11	103.59	-119.16	-12,882.67	1,629.57	2,349.24	2,142.57	206.66	11.367	
20,700.00	7,660.59	21,878.62	8,804.97	102.85	104.32	-119.15	-12,982.67	1,629.19	2,349.37	2,141.22	208.15	11.287	
20,800.00	7,660.52	21,978.61	8,804.73	103.58	105.05	-119.14	-13,082.67	1,628.81	2,349.50	2,139.86	209.64	11.207	
20,900.00	7,660.45	22,078.61	8,804.49	104.32	105.78	-119.14	-13,182.67	1,628.42	2,349.63	2,138.51	211.12	11.129	
21,000.00	7,660.39	22,178.61	8,804.25	105.06	106.51	-119.13	-13,282.67	1,628.04	2,349.76	2,137.15	212.61	11.052	
21,100.00	7,660.32	22,278.61	8,804.00	105.80	107.24	-119.12	-13,382.66	1,627.66	2,349.89	2,135.79	214.10	10.976	
21,200.00	7,660.25	22,378.61	8,803.76	106.54	107.97	-119.12	-13,482.66	1,627.28	2,350.02	2,134.43	215.59	10.900	
21,300.00	7,660.19	22,478.61	8,803.52	107.28	108.70	-119.11	-13,582.66	1,626.89	2,350.15	2,133.08	217.08	10.826	
21,400.00	7,660.12	22,578.61	8,803.28	108.02	109.44	-119.10	-13,682.66	1,626.51	2,350.29	2,131.72	218.57	10.753	
21,500.00	7,660.06	22,678.61	8,803.04	108.76	110.17	-119.10	-13,782.66	1,626.13	2,350.42	2,130.36	220.06	10.681	
21,600.00	7,659.99	22,778.61	8,802.79	109.50	110.90	-119.09	-13,882.66	1,625.74	2,350.55	2,129.00	221.55	10.610	
21,700.00	7,659.92	22,878.61	8,802.55	110.24	111.64	-119.08	-13,982.66	1,625.36	2,350.68	2,127.64	223.04	10.539	
21,800.00	7,659.86	22,978.61	8,802.31	110.98	112.37	-119.08	-14,082.65	1,624.98	2,350.81	2,126.28	224.54	10.470	
21,900.00	7,659.79	23,078.61	8,802.07	111.72	113.10	-119.07	-14,182.65	1,624.59	2,350.94	2,124.91	226.03	10.401	
22,000.00	7,659.72	23,178.61	8,801.83	112.46	113.84	-119.06	-14,282.65	1,624.21	2,351.07	2,123.55	227.52	10.333	
22,100.00	7,659.66	23,278.61	8,801.58	113.20	114.57	-119.06	-14,382.65	1,623.83	2,351.21	2,122.19	229.02	10.266	
22,200.00	7,659.59	23,378.61	8,801.34	113.94	115.31	-119.05	-14,482.65	1,623.44	2,351.34	2,120.83	230.51	10.200	
22,300.00	7,659.53	23,478.61	8,801.10	114.69	116.05	-119.04	-14,582.65	1,623.06	2,351.47	2,119.46	232.01	10.135	
22,400.00	7,659.46	23,578.61	8,800.86	115.43	116.78	-119.04	-14,682.64	1,622.68	2,351.60	2,118.10	233.50	10.071	
22,500.00	7,659.39	23,678.61	8,800.62	116.17	117.52	-119.03	-14,782.64	1,622.29	2,351.73	2,116.73	235.00	10.007	
22,600.00	7,659.33	23,778.61	8,800.37	116.91	118.26	-119.02	-14,882.64	1,621.91	2,351.87	2,115.37	236.50	9.945	
22,700.00	7,659.26	23,878.61	8,800.13	117.66	118.99	-119.02	-14,982.64	1,621.53	2,352.00	2,114.00	238.00	9.883	
22,800.00	7,659.19	23,978.61	8,799.89	118.40	119.73	-119.01	-15,082.64	1,621.14	2,352.13	2,112.64	239.49	9.821	
22,900.00	7,659.13	24,078.61	8,799.65	119.15	120.47	-119.00	-15,182.64	1,620.76	2,352.26	2,111.27	240.99	9.761	
23,000.00	7,659.06	24,178.60	8,799.41	119.89	121.21	-119.00	-15,282.64	1,620.38	2,352.39	2,109.90	242.49	9.701	
23,091.89	7,659.00	24,263.80	8,799.20	120.57	121.73	-118.99	-15,367.83	1,620.05	2,352.52	2,108.85	243.67	9.655	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	7.20	0.00	0.00	90.55	-16.54	1,724.19	1,724.28				
100.00	100.00	92.80	100.00	0.28	0.24	90.55	-16.54	1,724.19	1,724.27	1,723.75	0.52	3,323.145	
200.00	200.00	192.80	200.00	0.63	0.59	90.55	-16.54	1,724.19	1,724.27	1,723.04	1.23	1,403.167	
300.00	300.00	292.80	300.00	0.99	0.95	90.55	-16.54	1,724.19	1,724.27	1,722.32	1.95	886.157	
400.00	400.00	392.80	400.00	1.35	1.31	90.55	-16.54	1,724.19	1,724.27	1,721.61	2.66	647.558	
500.00	500.00	492.80	500.00	1.71	1.67	90.55	-16.54	1,724.19	1,724.27	1,720.89	3.38	510.189	
600.00	600.00	592.80	600.00	2.07	2.03	90.55	-16.54	1,724.19	1,724.27	1,720.17	4.10	420.901	
700.00	700.00	692.80	700.00	2.43	2.39	90.55	-16.54	1,724.19	1,724.27	1,719.46	4.81	358.211	
800.00	800.00	792.80	800.00	2.79	2.75	90.55	-16.54	1,724.19	1,724.27	1,718.74	5.53	311.775	
900.00	900.00	892.80	900.00	3.14	3.10	90.55	-16.54	1,724.19	1,724.27	1,718.02	6.25	275.996	
1,000.00	1,000.00	992.80	1,000.00	3.50	3.46	90.55	-16.54	1,724.19	1,724.27	1,717.30	6.96	247.584	
1,100.00	1,100.00	1,092.80	1,100.00	3.86	3.82	90.55	-16.54	1,724.19	1,724.27	1,716.59	7.68	224.475	
1,200.00	1,200.00	1,192.80	1,200.00	4.22	4.18	90.55	-16.54	1,724.19	1,724.27	1,715.87	8.40	205.312	
1,300.00	1,300.00	1,292.80	1,300.00	4.58	4.54	90.55	-16.54	1,724.19	1,724.27	1,715.15	9.12	189.164	
1,400.00	1,400.00	1,392.80	1,400.00	4.94	4.90	90.55	-16.54	1,724.19	1,724.27	1,714.44	9.83	175.370	
1,500.00	1,500.00	1,492.80	1,500.00	5.29	5.25	90.55	-16.54	1,724.19	1,724.27	1,713.72	10.55	163.452	
1,600.00	1,600.00	1,592.80	1,600.00	5.65	5.61	90.55	-16.54	1,724.19	1,724.27	1,713.00	11.27	153.050	
1,700.00	1,700.00	1,692.80	1,700.00	6.01	5.97	90.55	-16.54	1,724.19	1,724.27	1,712.29	11.98	143.893	
1,800.00	1,800.00	1,792.80	1,800.00	6.37	6.33	90.55	-16.54	1,724.19	1,724.27	1,711.57	12.70	135.770	CC, ES
1,900.00	1,900.00	1,858.68	1,865.88	6.73	6.56	90.54	-16.39	1,724.77	1,725.19	1,711.90	13.29	129.825	
2,000.00	2,000.00	1,921.86	1,929.02	7.09	6.78	90.53	-15.89	1,726.70	1,728.23	1,714.37	13.86	124.688	
2,100.00	2,099.98	2,000.00	2,007.04	7.44	7.05	122.93	-14.79	1,730.95	1,734.45	1,719.97	14.48	119.783	
2,200.00	2,199.84	2,047.58	2,054.47	7.80	7.22	122.81	-13.86	1,734.54	1,744.47	1,729.49	14.97	116.495	
2,300.00	2,299.46	2,100.00	2,106.65	8.16	7.40	122.68	-12.61	1,739.38	1,758.59	1,743.11	15.48	113.626	
2,400.00	2,398.96	2,171.50	2,177.66	8.51	7.65	122.81	-10.51	1,747.48	1,775.39	1,759.34	16.05	110.607	
2,500.00	2,498.46	2,232.80	2,238.35	8.87	7.87	122.90	-8.36	1,755.78	1,794.28	1,777.70	16.57	108.254	
2,600.00	2,597.96	2,300.00	2,304.67	9.23	8.11	122.99	-5.63	1,766.32	1,815.20	1,798.08	17.12	106.024	
2,700.00	2,697.46	2,353.90	2,357.66	9.58	8.30	123.05	-3.16	1,775.87	1,838.09	1,820.49	17.60	104.459	
2,800.00	2,796.96	2,400.00	2,402.82	9.94	8.46	123.10	-0.84	1,784.79	1,863.03	1,845.01	18.02	103.374	
2,900.00	2,896.47	2,473.26	2,474.28	10.30	8.72	123.15	3.20	1,800.42	1,889.74	1,871.16	18.58	101.694	
3,000.00	2,995.97	2,569.32	2,567.71	10.66	9.06	123.21	8.80	1,822.03	1,917.46	1,898.19	19.27	99.524	
3,100.00	3,095.47	2,665.39	2,661.15	11.02	9.41	123.27	14.40	1,843.64	1,945.18	1,925.22	19.95	97.486	
3,200.00	3,194.97	2,761.45	2,754.58	11.38	9.76	123.33	19.99	1,865.25	1,972.90	1,952.26	20.64	95.571	
3,300.00	3,294.47	2,857.51	2,848.01	11.74	10.11	123.38	25.59	1,886.86	2,000.62	1,979.29	21.34	93.767	
3,400.00	3,393.97	2,953.57	2,941.45	12.10	10.46	123.43	31.19	1,908.48	2,028.35	2,006.32	22.03	92.067	
3,500.00	3,493.48	3,049.64	3,034.88	12.46	10.82	123.49	36.78	1,930.09	2,056.08	2,033.35	22.73	90.463	
3,600.00	3,592.98	3,145.70	3,128.31	12.82	11.17	123.54	42.38	1,951.70	2,083.81	2,060.38	23.43	88.946	
3,700.00	3,692.48	3,241.76	3,221.74	13.18	11.53	123.59	47.98	1,973.31	2,111.54	2,087.41	24.13	87.511	
3,800.00	3,791.98	3,337.82	3,315.18	13.54	11.89	123.63	53.57	1,994.92	2,139.27	2,114.44	24.83	86.152	
3,900.00	3,891.48	3,433.89	3,408.61	13.90	12.24	123.68	59.17	2,016.53	2,167.00	2,141.47	25.54	84.862	
4,000.00	3,990.98	3,529.95	3,502.04	14.26	12.60	123.73	64.77	2,038.14	2,194.74	2,168.50	26.24	83.637	
4,100.00	4,090.49	3,626.01	3,595.47	14.62	12.96	123.77	70.36	2,059.75	2,222.47	2,195.52	26.95	82.472	
4,200.00	4,189.99	3,722.07	3,688.91	14.98	13.33	123.82	75.96	2,081.36	2,250.21	2,222.55	27.66	81.364	
4,300.00	4,289.49	3,818.14	3,782.34	15.35	13.69	123.86	81.56	2,102.97	2,277.95	2,249.58	28.37	80.307	
4,400.00	4,388.99	3,914.20	3,875.77	15.71	14.05	123.90	87.16	2,124.58	2,305.69	2,276.61	29.08	79.300	
4,500.00	4,488.49	4,010.26	3,969.20	16.07	14.42	123.94	92.75	2,146.19	2,333.43	2,303.64	29.79	78.338	
4,600.00	4,587.99	4,106.32	4,062.64	16.43	14.78	123.98	98.35	2,167.80	2,361.17	2,330.67	30.50	77.419	
4,700.00	4,687.50	4,202.39	4,156.07	16.79	15.14	124.02	103.95	2,189.41	2,388.91	2,357.70	31.21	76.540	
4,800.00	4,787.00	4,298.45	4,249.50	17.16	15.51	124.06	109.54	2,211.02	2,416.65	2,384.73	31.93	75.698	
4,900.00	4,886.50	4,394.51	4,342.94	17.52	15.88	124.09	115.14	2,232.63	2,444.40	2,411.76	32.64	74.891	
5,000.00	4,986.00	4,490.57	4,436.37	17.88	16.24	124.13	120.74	2,254.24	2,472.14	2,438.79	33.35	74.118	
5,100.00	5,085.50	4,586.64	4,529.80	18.24	16.61	124.16	126.33	2,275.85	2,499.89	2,465.82	34.07	73.375	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A

Offset Site Error: 0.00 usft

Survey Program: 0-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,185.00	4,682.70	4,623.23	18.61	16.98	124.20	131.93	2,297.46	2,527.64	2,492.85	34.79	72.662	
5,300.00	5,284.51	4,778.76	4,716.67	18.97	17.34	124.23	137.53	2,319.07	2,555.39	2,519.88	35.50	71.976	
5,400.00	5,384.01	4,874.82	4,810.10	19.33	17.71	124.26	143.12	2,340.68	2,583.13	2,546.91	36.22	71.317	
5,500.00	5,483.59	4,971.02	4,903.66	19.69	18.08	124.60	148.73	2,362.32	2,610.43	2,573.49	36.94	70.670	
5,600.00	5,583.41	5,067.70	4,997.69	20.05	18.45	124.99	154.36	2,384.07	2,635.89	2,598.24	37.66	69.996	
5,700.00	5,683.38	5,164.76	5,092.10	20.41	18.83	125.28	160.02	2,405.91	2,659.43	2,621.05	38.38	69.295	
5,800.00	5,783.38	5,262.02	5,186.70	20.76	19.20	92.69	165.68	2,427.78	2,681.70	2,642.60	39.10	68.586	
5,900.00	5,883.38	5,359.28	5,281.30	21.12	19.57	92.55	171.35	2,449.67	2,703.95	2,664.13	39.82	67.901	
6,000.00	5,983.38	5,456.55	5,375.90	21.47	19.95	92.40	177.02	2,471.55	2,726.23	2,685.68	40.55	67.239	
6,100.00	6,083.38	5,553.81	5,470.50	21.83	20.32	92.26	182.68	2,493.43	2,748.52	2,707.25	41.27	66.601	
6,200.00	6,183.38	5,651.07	5,565.10	22.18	20.70	92.13	188.35	2,515.31	2,770.83	2,728.83	41.99	65.984	
6,300.00	6,283.38	5,748.33	5,659.70	22.54	21.07	91.99	194.02	2,537.19	2,793.15	2,750.43	42.72	65.387	
6,400.00	6,383.38	5,845.60	5,754.30	22.89	21.45	91.85	199.68	2,559.07	2,815.48	2,772.04	43.44	64.811	
6,500.00	6,483.38	5,942.86	5,848.90	23.25	21.82	91.72	205.35	2,580.95	2,837.84	2,793.67	44.17	64.252	
6,600.00	6,583.38	6,040.12	5,943.50	23.60	22.20	91.59	211.02	2,602.83	2,860.20	2,815.31	44.89	63.712	
6,700.00	6,683.38	6,137.38	6,038.10	23.96	22.57	91.46	216.68	2,624.71	2,882.58	2,836.96	45.62	63.189	
6,800.00	6,783.38	6,234.65	6,132.69	24.32	22.95	91.34	222.35	2,646.59	2,904.97	2,858.63	46.34	62.682	
6,900.00	6,883.38	6,331.91	6,227.29	24.67	23.33	91.21	228.02	2,668.47	2,927.38	2,880.31	47.07	62.190	
7,000.00	6,983.38	6,429.17	6,321.89	25.03	23.70	91.09	233.68	2,690.35	2,949.80	2,902.00	47.80	61.713	
7,100.00	7,083.38	6,526.43	6,416.49	25.38	24.08	-98.57	239.35	2,712.23	2,972.23	2,923.71	48.53	61.251	
7,200.00	7,182.76	6,622.15	6,509.59	25.70	24.45	-96.45	244.93	2,733.76	2,996.04	2,946.83	49.21	60.884	
7,300.00	7,278.91	7,399.00	7,278.91	25.99	27.27	-99.36	267.53	2,821.04	3,011.10	2,958.36	52.74	57.090	
7,400.00	7,368.92	7,489.00	7,368.92	26.25	27.57	-99.32	267.53	2,821.04	3,018.92	2,965.60	53.32	56.621	
7,500.00	7,450.04	7,570.12	7,450.04	26.46	27.84	-99.07	267.53	2,821.04	3,030.38	2,976.54	53.84	56.290	
7,600.00	7,519.81	7,639.89	7,519.81	26.65	28.08	-98.45	267.53	2,821.04	3,045.90	2,991.61	54.28	56.111	
7,700.00	7,576.11	7,696.19	7,576.11	26.83	28.27	-97.32	267.53	2,821.04	3,065.79	3,011.13	54.65	56.096	SF
7,800.00	7,617.23	7,737.32	7,617.23	26.99	28.40	-95.54	267.53	2,821.04	3,090.14	3,035.21	54.93	56.252	
7,900.00	7,643.30	7,763.39	7,643.30	27.11	28.49	-93.92	267.53	2,821.04	3,118.65	3,063.52	55.13	56.570	
8,000.00	7,660.07	7,780.16	7,660.07	27.23	28.55	-92.56	267.53	2,821.04	3,150.55	3,095.27	55.28	56.992	
8,100.00	7,668.19	7,788.27	7,668.19	27.34	28.58	-90.85	267.53	2,821.04	3,185.59	3,130.20	55.39	57.512	
8,200.00	7,668.96	7,789.04	7,668.96	27.45	28.58	-89.98	267.53	2,821.04	3,222.95	3,167.49	55.46	58.112	
8,300.00	7,668.89	7,788.98	7,668.89	27.58	28.58	-89.98	267.53	2,821.04	3,260.07	3,204.52	55.54	58.695	
8,400.00	7,668.82	7,788.91	7,668.82	27.72	28.58	-89.98	267.53	2,821.04	3,296.59	3,240.95	55.64	59.254	
8,500.00	7,668.76	7,788.84	7,668.76	27.89	28.58	-89.99	267.53	2,821.04	3,332.49	3,276.75	55.74	59.787	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Pintail 23-26 Fed Com 10H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 194-MWD+HRGM

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.50	0.00	0.00	0.00	34.50	59.53	40.92	72.24				
100.00	100.00	100.57	100.07	0.28	0.16	34.36	59.59	40.75	72.19	71.76	0.43	166.697	
200.00	200.00	200.62	200.12	0.63	0.33	33.95	59.78	40.24	72.06	71.10	0.96	74.967	
300.00	300.00	300.64	300.13	0.99	0.69	33.41	60.00	39.58	71.88	70.20	1.68	42.832	
400.00	400.00	400.53	400.02	1.35	1.04	32.77	60.33	38.84	71.75	69.36	2.39	29.965	
417.90	417.90	418.41	417.90	1.42	1.11	32.62	60.43	38.68	71.75	69.23	2.52	28.441	CC
500.00	500.00	500.46	499.95	1.71	1.40	32.01	60.87	38.04	71.78	68.67	3.11	23.075	
600.00	600.00	600.38	599.86	2.07	1.76	31.40	61.37	37.46	71.90	68.08	3.83	18.789	
700.00	700.00	700.23	699.71	2.43	2.12	30.67	62.11	36.83	72.21	67.67	4.54	15.898	
800.00	800.00	800.30	799.78	2.79	2.47	29.88	62.98	36.18	72.63	67.37	5.26	13.811	
900.00	900.00	900.45	899.92	3.14	2.83	29.04	63.63	35.33	72.78	66.81	5.98	12.179	
1,000.00	1,000.00	1,000.64	1,000.10	3.50	3.18	28.65	63.92	34.92	72.83	66.15	6.68	10.898	
1,049.34	1,049.34	1,049.88	1,049.34	3.68	3.35	29.29	63.44	35.58	72.74	65.71	7.03	10.353	
1,100.00	1,100.00	1,099.79	1,099.20	3.86	3.51	30.92	62.63	37.51	73.01	65.63	7.37	9.905	ES
1,200.00	1,200.00	1,198.33	1,197.40	4.22	3.84	36.96	60.12	45.24	75.28	67.23	8.05	9.347	
1,300.00	1,300.00	1,297.31	1,295.72	4.58	4.18	44.75	56.62	56.12	79.83	71.09	8.74	9.130	
1,400.00	1,400.00	1,396.06	1,393.76	4.94	4.52	51.72	53.19	67.41	86.10	76.66	9.44	9.124	
1,500.00	1,500.00	1,494.94	1,491.78	5.29	4.88	58.31	49.25	79.77	94.10	83.97	10.13	9.287	
1,600.00	1,600.00	1,593.30	1,589.08	5.65	5.24	64.69	44.10	93.25	103.73	92.91	10.83	9.582	
1,700.00	1,700.00	1,693.72	1,688.39	6.01	5.62	70.31	38.28	106.96	114.20	102.65	11.54	9.892	
1,800.00	1,800.00	1,794.39	1,788.10	6.37	6.00	74.98	31.99	119.27	124.06	111.79	12.27	10.114	
1,900.00	1,900.00	1,893.92	1,886.80	6.73	6.37	78.79	25.87	130.57	133.76	120.78	12.98	10.308	
2,000.00	2,000.00	1,992.97	1,985.04	7.09	6.75	82.00	19.93	141.74	143.92	130.23	13.68	10.517	
2,100.00	2,099.98	2,092.02	2,083.27	7.44	7.13	117.63	14.01	152.93	155.28	140.89	14.39	10.791	
2,200.00	2,199.84	2,190.91	2,181.34	7.80	7.51	121.42	7.78	164.00	168.77	153.68	15.09	11.182	
2,300.00	2,299.46	2,289.54	2,279.21	8.16	7.89	125.44	1.72	174.60	184.49	168.69	15.80	11.680	
2,400.00	2,398.96	2,387.52	2,376.46	8.51	8.26	129.32	-4.39	184.90	201.63	185.14	16.49	12.227	
2,500.00	2,498.46	2,485.48	2,473.70	8.87	8.64	132.62	-10.61	195.01	219.36	202.17	17.19	12.763	
2,600.00	2,597.96	2,584.10	2,571.61	9.23	9.02	135.45	-16.84	205.05	237.56	219.67	17.89	13.278	
2,700.00	2,697.46	2,683.70	2,670.57	9.58	9.40	137.84	-22.73	214.60	255.57	236.96	18.61	13.736	
2,800.00	2,796.96	2,783.29	2,769.60	9.94	9.78	139.89	-28.32	223.59	273.32	254.00	19.32	14.148	
2,900.00	2,896.47	2,882.81	2,868.62	10.30	10.16	141.61	-33.38	232.14	290.78	270.75	20.03	14.515	
3,000.00	2,995.97	2,981.67	2,967.02	10.66	10.53	143.11	-38.22	240.31	308.10	287.36	20.74	14.854	
3,100.00	3,095.47	3,079.65	3,064.56	11.02	10.91	144.43	-42.93	248.37	325.53	304.08	21.45	15.179	
3,200.00	3,194.97	3,178.04	3,162.50	11.38	11.28	145.61	-47.60	256.54	343.17	321.01	22.15	15.490	
3,300.00	3,294.47	3,278.09	3,262.11	11.74	11.66	146.69	-52.28	264.60	360.67	337.79	22.88	15.767	
3,400.00	3,393.97	3,378.70	3,362.33	12.10	12.03	147.73	-57.02	272.02	377.69	354.09	23.60	16.005	
3,500.00	3,493.48	3,477.28	3,460.57	12.46	12.40	148.68	-61.62	278.91	394.46	370.15	24.31	16.227	
3,600.00	3,592.98	3,575.79	3,558.73	12.82	12.77	149.56	-66.28	285.75	411.31	386.29	25.02	16.440	
3,700.00	3,692.48	3,676.55	3,659.16	13.18	13.15	150.40	-70.98	292.46	427.98	402.23	25.74	16.624	
3,800.00	3,791.98	3,778.22	3,760.54	13.54	13.53	151.19	-75.44	298.60	444.05	417.58	26.47	16.773	
3,900.00	3,891.48	3,877.76	3,859.83	13.90	13.89	151.92	-79.67	304.22	459.79	432.60	27.19	16.910	
4,000.00	3,990.98	3,978.41	3,960.25	14.26	14.26	152.63	-83.92	309.51	475.25	447.34	27.91	17.026	
4,100.00	4,090.49	4,079.16	4,060.80	14.62	14.63	153.31	-88.10	314.40	490.40	461.76	28.64	17.125	
4,200.00	4,189.99	4,179.35	4,160.81	14.98	15.00	153.96	-92.16	318.73	505.11	475.75	29.36	17.206	
4,300.00	4,289.49	4,277.39	4,258.68	15.35	15.35	154.59	-96.34	322.97	519.99	489.93	30.06	17.296	
4,400.00	4,388.99	4,384.86	4,365.97	15.71	15.74	155.26	-100.82	327.07	534.50	503.68	30.82	17.342	
4,500.00	4,488.49	4,492.73	4,473.76	16.07	16.12	155.95	-104.36	328.85	546.73	515.16	31.57	17.318	
4,600.00	4,587.99	4,592.98	4,573.96	16.43	16.47	156.57	-107.36	329.92	558.41	526.12	32.28	17.297	
4,700.00	4,687.50	4,693.27	4,674.20	16.79	16.82	157.17	-110.40	330.80	570.01	537.01	33.00	17.274	
4,800.00	4,787.00	4,793.49	4,774.37	17.16	17.16	157.78	-113.52	331.36	581.46	547.75	33.71	17.249	
4,900.00	4,886.50	4,893.76	4,874.60	17.52	17.51	158.37	-116.60	331.72	592.80	558.38	34.42	17.221	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Pintail 23-26 Fed Com 10H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 194-MWD+HRGM

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,986.00	4,991.53	4,972.32	17.88	17.85	158.93	-119.65	332.05	604.20	569.07	35.13	17.200	
5,100.00	5,085.50	5,093.36	5,074.10	18.24	18.20	159.50	-122.86	332.29	615.60	579.75	35.85	17.173	
5,200.00	5,185.00	5,191.20	5,171.89	18.61	18.54	160.02	-125.79	332.50	626.93	590.38	36.55	17.152	
5,300.00	5,284.51	5,290.91	5,271.55	18.97	18.88	160.53	-128.86	332.70	638.37	601.11	37.26	17.131	
5,400.00	5,384.01	5,390.31	5,370.90	19.33	19.23	161.05	-132.09	332.70	649.80	611.83	37.97	17.112	
5,500.00	5,483.59	5,491.84	5,472.36	19.69	19.58	161.61	-135.65	332.46	660.47	621.78	38.69	17.070	
5,600.00	5,583.41	5,601.17	5,581.68	20.05	19.95	161.97	-137.50	332.01	666.73	627.30	39.43	16.907	
5,700.00	5,683.38	5,701.45	5,681.95	20.41	20.29	162.14	-138.47	331.52	669.18	629.04	40.14	16.672	
5,800.00	5,783.38	5,802.64	5,783.14	20.76	20.63	129.73	-139.38	330.98	669.39	628.54	40.84	16.390	
5,878.77	5,862.15	5,881.65	5,862.15	21.04	20.89	129.79	-139.87	330.52	669.35	627.95	41.39	16.170	
5,900.00	5,883.38	5,902.35	5,882.85	21.12	20.96	129.80	-139.97	330.45	669.35	627.81	41.54	16.113	
6,000.00	5,983.38	5,996.99	5,977.48	21.47	21.29	129.83	-140.42	330.54	669.74	627.52	42.23	15.861	
6,100.00	6,083.38	6,090.18	6,070.67	21.83	21.62	129.83	-141.28	331.54	671.16	628.25	42.91	15.642	
6,200.00	6,183.38	6,188.47	6,168.93	22.18	21.96	129.85	-142.83	333.03	673.33	629.72	43.61	15.440	
6,300.00	6,283.38	6,287.57	6,268.00	22.54	22.31	129.97	-145.24	333.76	675.45	631.14	44.31	15.242	
6,400.00	6,383.38	6,391.13	6,371.51	22.89	22.68	130.14	-148.29	334.16	677.65	632.61	45.04	15.046	
6,500.00	6,483.38	6,500.31	6,480.67	23.25	23.06	130.28	-150.36	333.98	678.75	632.97	45.78	14.825	
6,600.00	6,583.38	6,603.43	6,583.78	23.60	23.41	130.32	-150.76	333.80	678.87	632.37	46.50	14.600	
6,700.00	6,683.38	6,710.28	6,690.64	23.96	23.76	130.34	-150.56	333.15	678.27	631.06	47.21	14.367	
6,800.00	6,783.38	6,809.99	6,790.34	24.32	24.09	130.30	-149.53	332.71	677.28	629.38	47.90	14.140	
6,900.00	6,883.38	6,918.07	6,898.39	24.67	24.44	130.18	-147.38	332.40	675.78	627.18	48.60	13.904	
7,000.00	6,983.38	7,024.81	7,005.07	25.03	24.79	130.02	-143.81	331.09	672.66	623.36	49.30	13.644	
7,100.00	7,083.38	7,118.48	7,098.68	25.38	25.09	-59.88	-140.54	330.47	669.89	619.91	49.98	13.404	
7,200.00	7,182.76	7,206.14	7,186.30	25.70	25.38	-61.26	-137.95	330.68	663.35	612.75	50.60	13.110	
7,300.00	7,278.91	7,284.40	7,264.54	25.99	25.65	-64.10	-137.24	332.21	651.55	600.39	51.16	12.736	
7,400.00	7,368.92	7,367.94	7,348.03	26.25	25.95	-68.67	-137.55	334.81	635.60	583.88	51.71	12.291	
7,500.00	7,450.04	7,450.02	7,430.07	26.46	26.24	-74.71	-137.93	337.68	617.48	565.23	52.25	11.817	
7,600.00	7,519.81	7,518.37	7,498.37	26.65	26.48	-80.93	-137.88	340.24	601.29	548.57	52.72	11.405	
7,700.00	7,576.11	7,575.23	7,555.18	26.83	26.68	-86.39	-137.45	342.59	592.27	539.12	53.14	11.145	
7,732.86	7,591.37	7,592.28	7,572.21	26.88	26.74	-87.93	-137.28	343.21	591.60	538.33	53.27	11.105	
7,800.00	7,617.23	7,620.90	7,600.82	26.99	26.84	-90.20	-136.95	344.12	594.66	541.15	53.51	11.113	
7,900.00	7,643.30	7,649.02	7,628.93	27.11	26.94	-91.69	-136.59	344.84	611.56	557.79	53.77	11.374	
8,000.00	7,660.07	7,665.11	7,645.01	27.23	26.99	-91.55	-136.36	345.19	643.28	589.33	53.94	11.925	
8,100.00	7,668.19	7,671.71	7,651.61	27.34	27.02	-89.67	-136.25	345.32	688.18	634.14	54.04	12.735	
8,200.00	7,668.96	7,670.53	7,650.43	27.45	27.01	-88.21	-136.27	345.30	743.42	689.35	54.07	13.750	
8,300.00	7,668.89	7,668.55	7,648.45	27.58	27.01	-88.07	-136.30	345.26	804.93	750.85	54.08	14.884	
8,400.00	7,668.82	7,666.68	7,646.58	27.72	27.00	-87.96	-136.33	345.22	871.12	817.03	54.08	16.107	
8,500.00	7,668.76	7,664.92	7,644.82	27.89	26.99	-87.88	-136.36	345.18	940.92	886.83	54.08	17.397	
8,600.00	7,668.69	7,663.26	7,643.16	28.07	26.99	-87.82	-136.38	345.15	1,013.50	959.42	54.08	18.740	
8,700.00	7,668.62	7,661.67	7,641.57	28.26	26.98	-87.70	-136.41	345.12	1,089.13	1,035.05	54.08	20.140	
8,800.00	7,668.55	7,660.12	7,640.02	28.48	26.98	-87.57	-136.43	345.09	1,168.41	1,114.33	54.08	21.606	
8,900.00	7,668.49	7,658.60	7,638.50	28.71	26.97	-87.44	-136.45	345.05	1,250.66	1,196.58	54.08	23.127	
9,000.00	7,668.42	7,657.11	7,637.02	28.96	26.97	-87.32	-136.47	345.02	1,335.33	1,281.25	54.08	24.692	
9,100.00	7,668.35	7,655.66	7,635.56	29.23	26.96	-87.20	-136.50	344.99	1,422.00	1,367.91	54.08	26.294	
9,200.00	7,668.29	10,030.54	8,880.00	29.51	38.62	-147.20	-1,504.18	430.53	1,441.64	1,393.95	47.70	30.226	
9,300.00	7,668.22	10,124.75	8,880.51	29.81	39.42	-147.31	-1,598.32	427.20	1,440.57	1,391.91	48.66	29.604	
9,400.00	7,668.15	10,215.99	8,880.72	30.13	40.22	-147.38	-1,689.53	424.52	1,439.59	1,389.92	49.67	28.984	
9,438.15	7,668.13	10,247.28	8,880.91	30.26	40.50	-147.40	-1,720.81	423.86	1,439.50	1,389.45	50.05	28.760	
9,500.00	7,668.09	10,299.00	8,881.36	30.46	40.98	-147.43	-1,772.52	423.11	1,439.73	1,389.03	50.69	28.402	
9,600.00	7,668.02	10,384.21	8,882.36	30.81	41.78	-147.44	-1,857.73	422.90	1,440.97	1,389.19	51.78	27.830	
9,700.00	7,667.95	10,476.19	8,883.43	31.18	42.67	-147.40	-1,949.69	424.21	1,443.10	1,390.14	52.96	27.250	
9,800.00	7,667.89	10,581.88	8,884.64	31.56	43.73	-147.36	-2,055.36	425.52	1,445.13	1,390.88	54.24	26.641	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Pintail 23-26 Fed Com 10H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 194-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
9,900.00	7,667.82	10,674.45	8,885.84	31.95	44.68	-147.34	-2,147.93	426.35	1,447.11	1,391.63	55.48	26.084	
10,000.00	7,667.75	10,758.91	8,887.01	32.35	45.56	-147.27	-2,232.34	428.70	1,450.15	1,393.43	56.72	25.567	
10,100.00	7,667.69	10,880.91	8,889.16	32.77	46.87	-147.20	-2,354.28	431.65	1,453.45	1,395.24	58.22	24.966	
10,200.00	7,667.62	10,999.36	8,890.07	33.20	48.15	-147.21	-2,472.73	431.15	1,454.17	1,394.50	59.67	24.370	
10,300.00	7,667.55	11,125.62	8,890.75	33.64	49.54	-147.26	-2,598.96	429.23	1,454.26	1,393.09	61.17	23.773	
10,400.00	7,667.48	11,247.93	8,889.62	34.10	50.90	-147.38	-2,721.17	424.40	1,451.61	1,388.96	62.64	23.173	
10,500.00	7,667.42	11,324.42	8,889.87	34.56	51.76	-147.48	-2,797.58	420.98	1,449.85	1,386.01	63.84	22.710	
10,600.00	7,667.35	11,418.84	8,890.39	35.04	52.84	-147.57	-2,891.96	418.19	1,449.11	1,383.93	65.18	22.231	
10,700.00	7,667.28	11,528.97	8,890.08	35.52	54.11	-147.63	-3,002.05	415.43	1,447.91	1,381.25	66.66	21.721	
10,800.00	7,667.22	11,617.53	8,890.13	36.02	55.15	-147.69	-3,090.58	413.04	1,446.91	1,378.90	68.01	21.276	
10,845.50	7,667.19	11,655.08	8,890.40	36.25	55.59	-147.72	-3,128.12	412.13	1,446.78	1,378.17	68.61	21.088	
10,900.00	7,667.15	11,701.82	8,890.97	36.52	56.15	-147.76	-3,174.85	411.18	1,446.95	1,377.62	69.34	20.869	
11,000.00	7,667.08	11,803.36	8,892.31	37.04	57.36	-147.83	-3,276.36	409.37	1,447.53	1,376.73	70.80	20.446	
11,100.00	7,667.02	11,915.63	8,892.86	37.56	58.72	-147.88	-3,388.61	407.41	1,447.38	1,375.02	72.36	20.003	
11,185.39	7,666.96	11,992.84	8,892.86	38.01	59.66	-147.90	-3,465.81	406.33	1,447.10	1,373.52	73.58	19.666	
11,200.00	7,666.95	12,002.58	8,892.91	38.09	59.78	-147.90	-3,475.56	406.23	1,447.15	1,373.38	73.77	19.618	
11,300.00	7,666.88	12,072.00	8,894.17	38.63	60.63	-147.93	-3,544.96	405.91	1,448.79	1,373.74	75.05	19.305	
11,400.00	7,666.82	12,194.89	8,896.27	39.17	62.16	-147.97	-3,667.83	405.23	1,450.27	1,373.53	76.74	18.898	
11,500.00	7,666.75	12,301.47	8,898.18	39.72	63.48	-148.02	-3,774.38	404.33	1,451.78	1,373.46	78.31	18.538	
11,600.00	7,666.68	12,419.33	8,897.78	40.28	64.96	-148.06	-3,892.22	402.14	1,450.75	1,370.77	79.98	18.138	
11,686.47	7,666.62	12,496.16	8,898.08	40.77	65.93	-148.10	-3,969.04	400.82	1,450.58	1,369.33	81.24	17.854	
11,700.00	7,666.62	12,509.35	8,898.12	40.85	66.10	-148.10	-3,982.23	400.66	1,450.58	1,369.12	81.45	17.809	
11,800.00	7,666.55	12,607.02	8,898.24	41.42	67.33	-148.11	-4,079.90	399.95	1,450.68	1,367.67	83.01	17.476	
11,900.00	7,666.48	12,711.12	8,898.50	42.00	68.66	-148.12	-4,183.99	399.01	1,450.81	1,366.19	84.62	17.146	
11,965.32	7,666.44	12,775.03	8,898.88	42.38	69.48	-148.16	-4,247.89	397.75	1,450.72	1,365.09	85.62	16.943	
12,000.00	7,666.41	12,806.49	8,899.18	42.58	69.88	-148.18	-4,279.34	397.10	1,450.75	1,364.62	86.13	16.843	
12,100.00	7,666.35	12,900.03	8,900.29	43.17	71.08	-148.25	-4,372.85	395.45	1,451.06	1,363.43	87.64	16.558	
12,200.00	7,666.28	13,003.77	8,901.04	43.77	72.43	-148.41	-4,476.60	394.74	1,450.00	1,360.81	89.19	16.258	
12,300.00	7,666.21	13,104.06	8,901.18	44.37	73.73	-148.68	-4,576.88	394.40	1,446.82	1,356.17	90.65	15.960	
12,400.00	7,666.14	13,222.47	8,901.39	44.97	75.27	-149.07	-4,695.28	392.78	1,442.15	1,349.97	92.18	15.645	
12,500.00	7,666.07	13,289.66	8,902.20	45.58	76.15	-149.33	-4,762.44	391.36	1,437.96	1,344.67	93.29	15.413	
12,600.00	7,666.00	13,422.16	8,903.59	46.20	77.89	-149.77	-4,894.92	389.92	1,434.45	1,339.52	94.93	15.111	
12,700.00	7,665.93	13,519.31	8,903.67	46.82	79.17	-150.12	-4,992.05	387.85	1,429.43	1,333.15	96.28	14.847	
12,800.00	7,665.86	13,629.99	8,904.07	47.44	80.62	-150.54	-5,102.65	383.62	1,424.05	1,326.38	97.67	14.580	
12,900.00	7,665.79	13,779.53	8,903.44	48.07	82.58	-150.97	-5,251.95	375.39	1,418.97	1,319.67	99.30	14.290	
13,000.00	7,665.72	13,880.53	8,900.83	48.70	83.90	-151.11	-5,352.65	368.24	1,412.67	1,311.92	100.74	14.022	
13,100.00	7,665.65	13,952.76	8,899.85	49.34	84.85	-151.16	-5,424.71	363.15	1,409.18	1,307.04	102.13	13.798	
13,146.16	7,665.62	13,988.00	8,899.77	49.63	85.31	-151.16	-5,459.88	361.10	1,408.84	1,306.02	102.81	13.703	
13,200.00	7,665.58	14,017.10	8,899.88	49.98	85.70	-151.16	-5,488.95	359.83	1,409.56	1,306.00	103.56	13.611	
13,300.00	7,665.51	14,084.00	8,900.75	50.61	86.60	-151.02	-5,555.84	359.25	1,414.40	1,309.28	105.12	13.455	
13,400.00	7,665.44	14,172.91	8,902.25	51.25	87.80	-150.71	-5,644.72	360.64	1,421.21	1,314.28	106.93	13.291	
13,500.00	7,665.37	14,260.45	8,903.53	51.89	88.98	-150.38	-5,732.23	362.69	1,428.31	1,319.56	108.75	13.134	
13,600.00	7,665.30	14,367.96	8,905.01	52.54	90.44	-149.95	-5,839.68	365.98	1,435.77	1,324.96	110.81	12.957	
13,700.00	7,665.23	14,463.80	8,906.41	53.19	91.75	-149.59	-5,935.49	368.20	1,442.99	1,330.26	112.73	12.801	
13,800.00	7,665.16	14,562.54	8,907.81	53.84	93.10	-149.16	-6,034.18	370.89	1,449.67	1,335.01	114.66	12.643	
13,900.00	7,665.09	14,682.80	8,908.61	54.50	94.74	-148.84	-6,154.39	373.65	1,453.70	1,336.97	116.73	12.454	
14,000.00	7,665.03	14,785.69	8,909.64	55.16	96.14	-148.77	-6,257.28	374.43	1,455.63	1,337.15	118.48	12.286	
14,100.00	7,664.96	14,896.33	8,910.96	55.83	97.65	-148.81	-6,367.90	373.48	1,456.58	1,336.35	120.23	12.115	
14,200.00	7,664.90	15,006.71	8,912.17	56.49	99.15	-148.88	-6,478.26	371.51	1,456.99	1,335.04	121.95	11.947	
14,300.00	7,664.83	15,107.08	8,913.13	57.16	100.51	-148.97	-6,578.59	368.82	1,456.80	1,333.24	123.57	11.790	
14,316.80	7,664.82	15,123.03	8,913.24	57.28	100.73	-148.98	-6,594.53	368.51	1,456.80	1,332.96	123.84	11.764	
14,400.00	7,664.76	15,200.71	8,913.69	57.84	101.79	-149.01	-6,672.20	367.46	1,456.95	1,331.78	125.17	11.640	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Pintail 23-26 Fed Com 10H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 194-MWD+HRGM

Offset Well Error: 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,500.00	7,664.70	15,293.42	8,914.31	58.51	103.06	-149.02	-6,764.91	366.86	1,457.58	1,330.79	126.79	11.496	
14,600.00	7,664.63	15,398.94	8,915.35	59.19	104.51	-149.05	-6,870.43	366.04	1,458.41	1,329.90	128.51	11.349	
14,700.00	7,664.56	15,503.10	8,916.17	59.87	105.94	-149.09	-6,974.57	364.53	1,458.72	1,328.52	130.20	11.203	
14,800.00	7,664.50	15,582.51	8,917.10	60.55	107.03	-149.13	-7,053.97	363.64	1,459.55	1,327.87	131.68	11.084	
14,900.00	7,664.43	15,675.06	8,919.12	61.24	108.30	-149.16	-7,146.50	363.36	1,461.63	1,328.35	133.28	10.966	
15,000.00	7,664.37	15,789.77	8,921.02	61.92	109.89	-149.18	-7,261.19	363.23	1,463.40	1,328.29	135.12	10.831	
15,100.00	7,664.30	15,874.49	8,922.22	62.61	111.06	-149.19	-7,345.90	363.11	1,464.94	1,328.28	136.66	10.720	
15,200.00	7,664.23	15,957.32	8,924.25	63.30	112.21	-149.20	-7,428.71	363.58	1,467.71	1,329.54	138.18	10.622	
15,300.00	7,664.17	16,072.00	8,927.65	63.99	113.80	-149.22	-7,543.33	364.24	1,470.99	1,330.97	140.03	10.505	
15,400.00	7,664.10	16,173.60	8,930.20	64.68	115.21	-149.28	-7,644.90	363.49	1,473.15	1,331.45	141.70	10.396	
15,500.00	7,664.03	16,281.93	8,932.79	65.37	116.71	-149.34	-7,753.19	362.51	1,475.13	1,331.69	143.44	10.284	
15,600.00	7,663.97	16,364.39	8,935.07	66.07	117.85	-149.39	-7,835.61	361.76	1,477.42	1,332.51	144.91	10.195	
15,700.00	7,663.90	16,487.17	8,937.63	66.77	119.56	-149.44	-7,958.36	361.07	1,479.26	1,332.44	146.81	10.076	
15,800.00	7,663.83	16,565.00	8,939.23	67.47	120.64	-149.46	-8,036.17	361.18	1,481.44	1,333.16	148.29	9.990	
15,900.00	7,663.77	16,660.13	8,942.00	68.17	121.97	-149.48	-8,131.26	361.66	1,484.57	1,334.64	149.93	9.902	
16,000.00	7,663.70	16,771.06	8,945.66	68.87	123.51	-149.55	-8,242.12	360.85	1,487.44	1,335.75	151.69	9.806	
16,100.00	7,663.64	16,905.48	8,948.76	69.57	125.38	-149.69	-8,376.48	357.73	1,488.61	1,335.02	153.60	9.692	
16,200.00	7,663.57	17,023.19	8,949.02	70.27	127.01	-149.76	-8,494.15	354.96	1,487.97	1,332.59	155.38	9.576	
16,300.00	7,663.50	17,126.42	8,949.10	70.98	128.44	-149.86	-8,597.31	351.48	1,486.71	1,329.69	157.02	9.468	
16,400.00	7,663.44	17,230.24	8,949.57	71.69	129.88	-150.00	-8,701.03	346.90	1,485.27	1,326.66	158.62	9.364	
16,500.00	7,663.37	17,315.81	8,949.73	72.39	131.07	-150.08	-8,786.55	344.10	1,484.18	1,324.04	160.13	9.268	
16,600.00	7,663.30	17,406.47	8,950.04	73.10	132.33	-150.13	-8,877.20	342.42	1,483.92	1,322.19	161.72	9.176	
16,644.52	7,663.27	17,458.57	8,950.39	73.42	133.05	-150.16	-8,929.29	341.33	1,483.89	1,321.37	162.52	9.131	
16,700.00	7,663.24	17,533.20	8,950.32	73.81	134.09	-150.21	-9,003.89	339.20	1,483.26	1,319.70	163.56	9.069	
16,800.00	7,663.17	17,621.77	8,949.99	74.52	135.33	-150.26	-9,092.43	337.00	1,482.05	1,316.91	165.13	8.975	
16,900.00	7,663.11	17,721.56	8,949.98	75.23	136.72	-150.32	-9,192.19	334.73	1,481.29	1,314.50	166.79	8.881	
17,000.00	7,663.04	17,847.69	8,948.79	75.95	138.47	-150.47	-9,318.18	328.97	1,478.36	1,309.83	168.52	8.772	
17,100.00	7,662.97	17,930.37	8,948.58	76.66	139.62	-150.56	-9,400.79	325.51	1,476.40	1,306.39	170.02	8.684	
17,200.00	7,662.91	18,019.78	8,947.84	77.38	140.86	-150.60	-9,490.17	323.37	1,474.91	1,303.30	171.61	8.595	
17,239.08	7,662.88	18,046.23	8,947.68	77.66	141.24	-150.60	-9,516.61	323.23	1,474.74	1,302.56	172.18	8.565	
17,300.00	7,662.84	18,089.00	8,947.64	78.09	141.84	-150.58	-9,559.38	323.58	1,475.15	1,302.07	173.07	8.523	
17,400.00	7,662.77	18,199.39	8,946.95	78.81	143.39	-150.48	-9,669.75	325.47	1,475.79	1,300.78	175.01	8.432	
17,500.00	7,662.71	18,279.00	8,947.01	79.53	144.52	-150.39	-9,749.33	327.52	1,477.40	1,300.77	176.63	8.364	
17,600.00	7,662.64	18,381.00	8,947.29	80.24	145.96	-150.31	-9,851.31	329.54	1,478.98	1,300.51	178.47	8.287	SF
17,700.00	7,662.58	18,381.00	8,947.29	80.96	145.96	-150.31	-9,851.31	329.54	1,484.13	1,305.35	178.77	8.302	
17,800.00	7,662.51	18,381.00	8,947.29	81.68	145.96	-150.31	-9,851.31	329.54	1,495.96	1,317.57	178.39	8.386	
17,900.00	7,662.44	18,381.00	8,947.29	82.41	145.96	-150.31	-9,851.31	329.54	1,514.31	1,336.97	177.35	8.539	
18,000.00	7,662.38	18,381.00	8,947.29	83.13	145.96	-150.31	-9,851.31	329.54	1,538.96	1,363.24	175.72	8.758	
18,100.00	7,662.31	18,381.00	8,947.29	83.85	145.96	-150.31	-9,851.31	329.54	1,569.60	1,396.02	173.58	9.043	
18,200.00	7,662.24	18,381.00	8,947.29	84.57	145.96	-150.31	-9,851.31	329.54	1,605.90	1,434.88	171.02	9.390	
18,300.00	7,662.18	18,381.00	8,947.29	85.30	145.96	-150.31	-9,851.31	329.54	1,647.47	1,479.35	168.12	9.799	
18,400.00	7,662.11	18,381.00	8,947.29	86.02	145.96	-150.31	-9,851.31	329.54	1,693.93	1,528.95	164.99	10.267	
18,500.00	7,662.04	18,381.00	8,947.29	86.75	145.96	-150.31	-9,851.31	329.54	1,744.90	1,583.21	161.69	10.792	
18,600.00	7,661.98	18,381.00	8,947.29	87.47	145.96	-150.31	-9,851.31	329.54	1,799.98	1,641.68	158.30	11.371	
18,700.00	7,661.91	18,381.00	8,947.29	88.20	145.96	-150.31	-9,851.31	329.54	1,858.81	1,703.94	154.87	12.002	
18,800.00	7,661.85	18,381.00	8,947.29	88.93	145.96	-150.31	-9,851.31	329.54	1,921.05	1,769.58	151.46	12.683	
18,900.00	7,661.78	18,381.00	8,947.29	89.65	145.96	-150.31	-9,851.31	329.54	1,986.37	1,838.26	148.11	13.412	
19,000.00	7,661.71	18,381.00	8,947.29	90.38	145.96	-150.31	-9,851.31	329.54	2,054.49	1,909.65	144.84	14.185	
19,100.00	7,661.65	18,381.00	8,947.29	91.11	145.96	-150.31	-9,851.31	329.54	2,125.13	1,983.46	141.67	15.001	
19,200.00	7,661.58	18,381.00	8,947.29	91.84	145.96	-150.31	-9,851.31	329.54	2,198.05	2,059.43	138.62	15.857	
19,300.00	7,661.51	18,381.00	8,947.29	92.57	145.96	-150.31	-9,851.31	329.54	2,273.03	2,137.33	135.70	16.750	
19,400.00	7,661.45	18,381.00	8,947.29	93.30	145.96	-150.31	-9,851.31	329.54	2,349.88	2,216.96	132.92	17.679	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Pintail 23-26 Fed Com 10H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 194-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,500.00	7,661.38	18,381.00	8,947.29	94.03	145.96	-150.31	-9,851.31	329.54	2,428.41	2,298.15	130.27	18.642	
19,600.00	7,661.32	18,381.00	8,947.29	94.77	145.96	-150.31	-9,851.31	329.54	2,508.47	2,380.72	127.75	19.636	
19,700.00	7,661.25	18,381.00	8,947.29	95.50	145.96	-150.31	-9,851.31	329.54	2,589.92	2,464.55	125.37	20.658	
19,800.00	7,661.18	18,381.00	8,947.29	96.23	145.96	-150.31	-9,851.31	329.54	2,672.63	2,549.51	123.12	21.708	
19,900.00	7,661.12	18,381.00	8,947.29	96.96	145.96	-150.31	-9,851.31	329.54	2,756.48	2,635.50	120.99	22.783	
20,000.00	7,661.05	18,381.00	8,947.29	97.70	145.96	-150.31	-9,851.31	329.54	2,841.38	2,722.41	118.98	23.882	
20,100.00	7,660.98	18,381.00	8,947.29	98.43	145.96	-150.31	-9,851.31	329.54	2,927.24	2,810.16	117.08	25.002	
20,200.00	7,660.92	18,381.00	8,947.29	99.17	145.96	-150.31	-9,851.31	329.54	3,013.96	2,898.67	115.29	26.142	
20,300.00	7,660.85	18,381.00	8,947.29	99.90	145.96	-150.31	-9,851.31	329.54	3,101.49	2,987.88	113.60	27.301	
20,400.00	7,660.78	18,381.00	8,947.29	100.64	145.96	-150.31	-9,851.31	329.54	3,189.74	3,077.73	112.01	28.476	
20,500.00	7,660.72	18,381.00	8,947.29	101.37	145.96	-150.31	-9,851.31	329.54	3,278.68	3,168.16	110.51	29.667	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23 Fed Com #1 - Wellbore #1 - Cone

Offset Site Error: 0.00 usft

Survey Program: 12300-2_Assumed Vertical

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,400.00	7,668.82	7,722.62	7,668.82	27.72	234.53	-90.04	-3,233.45	1,737.03	3,291.96	3,029.96	262.01	12.564	
8,500.00	7,668.76	7,722.56	7,668.76	27.89	234.52	-90.04	-3,233.45	1,737.03	3,219.12	2,956.98	262.13	12.280	
8,600.00	7,668.69	7,722.49	7,668.69	28.07	234.52	-90.04	-3,233.45	1,737.03	3,145.33	2,883.06	262.27	11.993	
8,700.00	7,668.62	7,722.42	7,668.62	28.26	234.52	-90.04	-3,233.45	1,737.03	3,071.57	2,809.15	262.42	11.705	
8,800.00	7,668.55	7,722.35	7,668.55	28.48	234.52	-90.04	-3,233.45	1,737.03	2,999.31	2,736.73	262.58	11.422	
8,900.00	7,668.49	7,722.29	7,668.49	28.71	234.52	-90.04	-3,233.45	1,737.03	2,928.69	2,665.92	262.77	11.145	
9,000.00	7,668.42	7,722.22	7,668.42	28.96	234.51	-90.04	-3,233.45	1,737.03	2,859.82	2,596.84	262.98	10.875	
9,100.00	7,668.35	7,722.15	7,668.35	29.23	234.51	-90.03	-3,233.45	1,737.03	2,792.83	2,529.62	263.21	10.611	
9,200.00	7,668.29	7,722.09	7,668.29	29.51	234.51	-90.03	-3,233.45	1,737.03	2,727.86	2,464.40	263.47	10.354	
9,300.00	7,668.22	7,722.02	7,668.22	29.81	234.51	-90.03	-3,233.45	1,737.03	2,665.07	2,401.32	263.75	10.105	
9,400.00	7,668.15	7,721.95	7,668.15	30.13	234.51	-90.03	-3,233.45	1,737.03	2,604.60	2,340.54	264.06	9.864	
9,500.00	7,668.09	7,721.89	7,668.09	30.46	234.50	-90.03	-3,233.45	1,737.03	2,546.62	2,282.23	264.39	9.632	
9,600.00	7,668.02	7,721.82	7,668.02	30.81	234.50	-90.02	-3,233.45	1,737.03	2,491.31	2,226.55	264.75	9.410	
9,700.00	7,667.95	7,721.75	7,667.95	31.18	234.50	-90.02	-3,233.45	1,737.03	2,438.84	2,173.70	265.14	9.198	
9,800.00	7,667.89	7,721.69	7,667.89	31.56	234.50	-90.02	-3,233.45	1,737.03	2,389.41	2,123.86	265.56	8.998	
9,900.00	7,667.82	7,721.62	7,667.82	31.95	234.50	-90.02	-3,233.45	1,737.03	2,343.21	2,077.21	266.00	8.809	
10,000.00	7,667.75	7,721.55	7,667.75	32.35	234.49	-90.02	-3,233.45	1,737.03	2,300.43	2,033.97	266.46	8.633	
10,100.00	7,667.69	7,721.49	7,667.69	32.77	234.49	-90.02	-3,233.45	1,737.03	2,261.27	1,994.32	266.94	8.471	
10,200.00	7,667.62	7,721.42	7,667.62	33.20	234.49	-90.01	-3,233.45	1,737.03	2,225.91	1,958.47	267.44	8.323	
10,300.00	7,667.55	7,721.35	7,667.55	33.64	234.49	-90.01	-3,233.45	1,737.03	2,194.54	1,926.59	267.95	8.190	
10,400.00	7,667.48	7,721.28	7,667.48	34.10	234.49	-90.01	-3,233.45	1,737.03	2,167.34	1,898.87	268.47	8.073	
10,500.00	7,667.42	7,721.22	7,667.42	34.56	234.48	-90.01	-3,233.45	1,737.03	2,144.46	1,875.47	268.99	7.972	
10,600.00	7,667.35	7,721.15	7,667.35	35.04	234.48	-90.01	-3,233.45	1,737.03	2,126.04	1,856.54	269.50	7.889	
10,700.00	7,667.28	7,721.08	7,667.28	35.52	234.48	-90.00	-3,233.45	1,737.03	2,112.20	1,842.20	270.00	7.823	
10,800.00	7,667.22	7,721.02	7,667.22	36.02	234.48	-90.00	-3,233.45	1,737.03	2,103.03	1,832.54	270.49	7.775	
10,900.00	7,667.15	7,720.95	7,667.15	36.52	234.48	-90.00	-3,233.45	1,737.03	2,098.59	1,827.64	270.95	7.745	
10,943.29	7,667.12	7,720.92	7,667.12	36.74	234.47	-90.00	-3,233.45	1,737.03	2,098.14	1,827.00	271.14	7.738	CC, ES
11,000.00	7,667.08	7,720.88	7,667.08	37.04	234.47	-90.00	-3,233.45	1,737.03	2,098.91	1,827.52	271.38	7.734	SF
11,100.00	7,667.02	7,720.82	7,667.02	37.56	234.47	-90.00	-3,233.45	1,737.03	2,103.98	1,832.20	271.79	7.741	
11,200.00	7,666.95	7,720.75	7,666.95	38.09	234.47	-90.00	-3,233.45	1,737.03	2,113.79	1,841.64	272.15	7.767	
11,300.00	7,666.88	7,720.68	7,666.88	38.63	234.47	-89.99	-3,233.45	1,737.03	2,128.25	1,855.77	272.48	7.811	
11,400.00	7,666.82	7,720.62	7,666.82	39.17	234.47	-89.99	-3,233.45	1,737.03	2,147.27	1,874.51	272.76	7.872	
11,500.00	7,666.75	7,720.55	7,666.75	39.72	234.46	-89.99	-3,233.45	1,737.03	2,170.74	1,897.73	273.01	7.951	
11,600.00	7,666.68	7,720.48	7,666.68	40.28	234.46	-89.99	-3,233.45	1,737.03	2,198.51	1,925.30	273.22	8.047	
11,700.00	7,666.62	7,720.42	7,666.62	40.85	234.46	-89.99	-3,233.45	1,737.03	2,230.43	1,957.04	273.38	8.159	
11,800.00	7,666.55	7,720.35	7,666.55	41.42	234.46	-89.98	-3,233.45	1,737.03	2,266.31	1,992.79	273.51	8.286	
11,900.00	7,666.48	7,720.28	7,666.48	42.00	234.46	-89.98	-3,233.45	1,737.03	2,305.97	2,032.36	273.61	8.428	
12,000.00	7,666.41	7,720.21	7,666.41	42.58	234.45	-89.98	-3,233.45	1,737.03	2,349.22	2,075.55	273.67	8.584	
12,100.00	7,666.35	7,720.15	7,666.35	43.17	234.45	-89.98	-3,233.45	1,737.03	2,395.59	2,121.88	273.71	8.752	
12,200.00	7,666.28	7,720.08	7,666.28	43.77	234.45	-89.98	-3,233.45	1,737.03	2,442.63	2,168.91	273.72	8.924	
12,300.00	7,666.21	7,720.01	7,666.21	44.37	234.45	-89.98	-3,233.45	1,737.03	2,489.78	2,216.08	273.71	9.097	
12,400.00	7,666.14	7,719.94	7,666.14	44.97	234.44	-89.98	-3,233.45	1,737.03	2,538.29	2,264.62	273.67	9.275	
12,500.00	7,666.07	7,719.87	7,666.07	45.58	234.44	-89.98	-3,233.45	1,737.03	2,589.74	2,316.12	273.62	9.465	
12,600.00	7,666.00	7,719.80	7,666.00	46.20	234.44	-89.97	-3,233.45	1,737.03	2,643.98	2,370.42	273.56	9.665	
12,700.00	7,665.93	7,719.73	7,665.93	46.82	234.44	-89.97	-3,233.45	1,737.03	2,700.83	2,427.35	273.48	9.876	
12,800.00	7,665.86	7,719.66	7,665.86	47.44	234.44	-89.97	-3,233.45	1,737.03	2,760.38	2,486.99	273.39	10.097	
12,900.00	7,665.79	7,719.59	7,665.79	48.07	234.43	-89.96	-3,233.45	1,737.03	2,824.46	2,551.16	273.30	10.335	
13,000.00	7,665.72	7,719.52	7,665.72	48.70	234.43	-89.96	-3,233.45	1,737.03	2,893.13	2,619.93	273.20	10.590	
13,100.00	7,665.65	7,719.45	7,665.65	49.34	234.43	-89.95	-3,233.45	1,737.03	2,965.99	2,692.88	273.11	10.860	
13,200.00	7,665.58	7,719.38	7,665.58	49.98	234.43	-89.95	-3,233.45	1,737.03	3,042.64	2,769.63	273.01	11.145	
13,300.00	7,665.51	7,719.31	7,665.51	50.61	234.43	-89.95	-3,233.45	1,737.03	3,122.55	2,849.62	272.92	11.441	
13,400.00	7,665.44	7,719.24	7,665.44	51.25	234.42	-89.94	-3,233.45	1,737.03	3,203.91	2,931.07	272.84	11.743	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23 Fed Com #1 - Wellbore #1 - Cone

Offset Site Error: 0.00 usft

Survey Program: 12300-2_Assumed Vertical

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,500.00	7,665.37	7,719.17	7,665.37	51.89	234.42	-89.94	-3,233.45	1,737.03	3,286.30	3,013.55	272.75	12.049	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23 Fed Com 004H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 179-MWD+HRGM

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	18.20	0.00	0.00	87.43	116.32	2,587.42	2,590.10				
100.00	100.00	99.23	117.43	0.28	0.15	87.43	116.24	2,587.09	2,589.76	2,589.33	0.43	6,012.819	
200.00	200.00	213.51	231.71	0.63	0.40	87.43	115.96	2,585.93	2,588.72	2,587.68	1.04	2,496.550	
300.00	300.00	312.45	330.64	0.99	0.76	87.43	115.80	2,584.73	2,587.50	2,585.75	1.75	1,478.680	
400.00	400.00	410.16	428.34	1.35	1.11	87.44	115.60	2,583.62	2,586.36	2,583.90	2.46	1,052.018	
500.00	500.00	502.91	521.08	1.71	1.44	87.44	115.28	2,582.61	2,585.26	2,582.12	3.15	821.878	
558.90	558.90	540.73	558.90	1.92	1.57	87.45	115.18	2,582.46	2,585.02	2,581.54	3.49	741.588	CC
600.00	600.00	573.00	591.17	2.07	1.68	87.45	115.17	2,582.57	2,585.15	2,581.41	3.74	690.606	ES
700.00	700.00	654.86	673.03	2.43	1.95	87.45	115.22	2,583.28	2,585.99	2,581.61	4.37	591.194	
800.00	800.00	762.42	780.58	2.79	2.31	87.44	115.39	2,584.24	2,586.89	2,581.79	5.10	507.447	
900.00	900.00	855.71	873.87	3.14	2.63	87.44	115.71	2,585.07	2,587.79	2,582.01	5.78	447.898	
1,000.00	1,000.00	961.54	979.69	3.50	3.00	87.43	116.07	2,586.01	2,588.69	2,582.19	6.50	398.001	
1,100.00	1,100.00	1,058.66	1,076.81	3.86	3.34	87.42	116.47	2,586.65	2,589.38	2,582.17	7.20	359.504	
1,200.00	1,200.00	1,135.00	1,153.14	4.22	3.61	87.41	116.92	2,587.89	2,590.95	2,583.12	7.83	330.960	
1,300.00	1,300.00	1,186.23	1,204.35	4.58	3.79	87.41	117.31	2,589.43	2,593.85	2,585.48	8.36	310.096	
1,400.00	1,400.00	1,262.93	1,280.97	4.94	4.06	87.39	118.04	2,592.80	2,598.21	2,589.22	8.99	288.979	
1,500.00	1,500.00	1,364.04	1,381.97	5.29	4.42	87.37	119.50	2,597.16	2,602.58	2,592.87	9.71	268.118	
1,600.00	1,600.00	1,446.79	1,464.62	5.65	4.72	87.34	120.90	2,601.14	2,607.46	2,597.11	10.36	251.781	
1,700.00	1,700.00	1,554.30	1,571.97	6.01	5.10	87.31	122.56	2,606.79	2,612.81	2,601.71	11.10	235.459	
1,800.00	1,800.00	1,666.17	1,683.72	6.37	5.50	87.32	122.48	2,611.72	2,617.18	2,605.32	11.85	220.781	
1,900.00	1,900.00	1,826.58	1,844.01	6.73	6.07	87.36	120.57	2,617.58	2,620.96	2,608.17	12.79	204.970	
2,000.00	2,000.00	1,941.51	1,958.89	7.09	6.48	87.41	118.62	2,620.00	2,623.00	2,609.45	13.55	193.554	
2,100.00	2,099.98	2,051.54	2,068.89	7.44	6.87	119.95	116.46	2,621.42	2,625.06	2,610.76	14.30	183.621	
2,200.00	2,199.84	2,142.04	2,159.36	7.80	7.19	120.02	114.50	2,622.71	2,629.01	2,614.04	14.97	175.621	
2,300.00	2,299.46	2,249.30	2,266.59	8.16	7.56	120.16	112.35	2,624.40	2,634.89	2,619.19	15.70	167.792	
2,400.00	2,398.96	2,352.10	2,369.36	8.51	7.93	120.40	110.03	2,625.67	2,641.09	2,624.67	16.42	160.847	
2,500.00	2,498.46	2,460.26	2,477.49	8.87	8.31	120.66	107.65	2,626.77	2,647.13	2,629.97	17.16	154.296	
2,600.00	2,597.96	2,556.50	2,573.69	9.23	8.65	120.88	105.34	2,627.66	2,653.11	2,635.25	17.85	148.626	
2,700.00	2,697.46	2,655.86	2,673.02	9.58	9.00	121.13	102.70	2,628.63	2,659.17	2,640.62	18.56	143.292	
2,800.00	2,796.96	2,757.04	2,774.16	9.94	9.36	121.37	100.20	2,629.64	2,665.32	2,646.05	19.27	138.300	
2,900.00	2,896.47	2,867.23	2,884.32	10.30	9.75	121.62	97.86	2,630.25	2,671.05	2,651.04	20.02	133.429	
3,000.00	2,995.97	2,959.41	2,976.48	10.66	10.08	121.82	96.16	2,630.84	2,676.94	2,656.24	20.70	129.311	
3,100.00	3,095.47	3,059.14	3,076.19	11.02	10.43	122.04	94.22	2,631.61	2,682.99	2,661.57	21.41	125.299	
3,200.00	3,194.97	3,163.44	3,180.46	11.38	10.80	122.28	91.78	2,632.28	2,688.95	2,666.81	22.14	121.449	
3,300.00	3,294.47	3,271.18	3,288.18	11.74	11.18	122.52	89.78	2,632.71	2,694.72	2,671.84	22.88	117.776	
3,400.00	3,393.97	3,381.21	3,398.19	12.10	11.57	122.76	87.55	2,632.75	2,700.16	2,676.53	23.63	114.281	
3,500.00	3,493.48	3,481.93	3,498.88	12.46	11.93	122.98	85.57	2,632.52	2,705.38	2,681.04	24.34	111.145	
3,600.00	3,592.98	3,584.28	3,601.21	12.82	12.29	123.21	83.61	2,632.25	2,710.60	2,685.54	25.06	108.163	
3,700.00	3,692.48	3,690.56	3,707.47	13.18	12.66	123.44	81.36	2,631.74	2,715.66	2,689.86	25.79	105.284	
3,800.00	3,791.98	3,788.32	3,805.21	13.54	13.01	123.65	79.56	2,631.22	2,720.68	2,694.18	26.50	102.680	
3,900.00	3,891.48	3,893.49	3,910.37	13.90	13.37	123.87	77.91	2,630.55	2,725.64	2,698.42	27.22	100.128	
4,000.00	3,990.98	4,006.33	4,023.21	14.26	13.76	124.06	78.21	2,629.60	2,730.40	2,702.43	27.96	97.638	
4,100.00	4,090.49	4,121.02	4,137.88	14.62	14.14	124.25	78.89	2,627.83	2,734.44	2,705.73	28.71	95.245	
4,200.00	4,189.99	4,215.94	4,232.78	14.98	14.47	124.41	78.82	2,626.22	2,738.38	2,708.98	29.39	93.164	
4,300.00	4,289.49	4,306.11	4,322.95	15.35	14.78	124.57	78.49	2,624.94	2,742.64	2,712.58	30.06	91.231	
4,400.00	4,388.99	4,382.02	4,398.85	15.71	15.04	124.70	78.56	2,624.24	2,747.43	2,716.75	30.68	89.545	
4,500.00	4,488.49	4,454.17	4,470.99	16.07	15.28	124.80	79.83	2,624.49	2,753.37	2,722.09	31.29	88.009	
4,600.00	4,587.99	4,556.56	4,573.36	16.43	15.63	124.93	81.85	2,625.16	2,759.65	2,727.66	31.99	86.254	
4,700.00	4,687.50	4,656.04	4,672.82	16.79	15.97	125.07	83.25	2,625.77	2,765.95	2,733.25	32.69	84.599	
4,800.00	4,787.00	4,753.42	4,770.19	17.16	16.31	125.21	84.63	2,626.32	2,772.20	2,738.81	33.39	83.028	
4,900.00	4,886.50	4,845.53	4,862.29	17.52	16.62	125.33	86.07	2,627.15	2,778.79	2,744.73	34.06	81.576	
5,000.00	4,986.00	4,948.24	4,964.98	17.88	16.98	125.48	87.46	2,627.99	2,785.33	2,750.55	34.78	80.085	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23 Fed Com 004H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 179-MWD+HRGM

Rule Assigned:

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	5,044.82	5,061.55	18.24	17.32	125.62	88.09	2,628.85	2,792.00	2,756.53	35.48	78.703	
5,200.00	5,185.00	5,141.48	5,158.21	18.61	17.66	125.78	88.42	2,629.68	2,798.68	2,762.51	36.17	77.369	
5,300.00	5,284.51	5,247.43	5,264.15	18.97	18.03	125.94	88.88	2,630.79	2,805.57	2,768.66	36.91	76.021	
5,400.00	5,384.01	5,344.07	5,360.78	19.33	18.36	126.07	90.31	2,631.45	2,812.04	2,774.44	37.60	74.788	
5,500.00	5,483.59	5,453.52	5,470.20	19.69	18.74	126.25	92.67	2,632.54	2,818.31	2,779.97	38.34	73.507	
5,600.00	5,583.41	5,576.28	5,592.89	20.05	19.17	126.34	96.68	2,632.87	2,821.81	2,782.68	39.13	72.120	
5,700.00	5,683.38	5,690.04	5,706.60	20.41	19.56	126.33	100.13	2,632.25	2,822.41	2,782.53	39.88	70.779	
5,800.00	5,783.38	5,779.93	5,796.46	20.76	19.87	93.79	101.95	2,631.94	2,821.95	2,781.41	40.54	69.609	
5,900.00	5,883.38	5,899.55	5,916.06	21.12	20.28	93.75	104.22	2,630.85	2,820.86	2,779.56	41.31	68.288	
6,000.00	5,983.38	5,989.70	6,006.19	21.47	20.59	93.71	106.04	2,630.08	2,819.88	2,777.91	41.97	67.182	
6,100.00	6,083.38	6,075.75	6,092.21	21.83	20.89	93.67	107.93	2,629.68	2,819.28	2,776.65	42.63	66.141	
6,145.51	6,128.89	6,112.44	6,128.89	21.99	21.02	93.65	108.81	2,629.68	2,819.21	2,776.29	42.91	65.696	
6,200.00	6,183.38	6,159.92	6,176.36	22.18	21.18	93.63	110.05	2,629.83	2,819.29	2,776.02	43.27	65.155	
6,300.00	6,283.38	6,251.65	6,268.04	22.54	21.50	93.57	112.81	2,630.33	2,819.65	2,775.71	43.94	64.165	
6,400.00	6,383.38	6,337.41	6,353.79	22.89	21.80	93.54	114.34	2,631.15	2,820.49	2,775.89	44.60	63.246	
6,500.00	6,483.38	6,442.44	6,458.80	23.25	22.17	93.51	115.81	2,632.27	2,821.47	2,776.15	45.32	62.255	
6,600.00	6,583.38	6,549.11	6,565.46	23.60	22.54	93.48	117.04	2,633.09	2,822.16	2,776.11	46.05	61.281	
6,700.00	6,683.38	6,647.90	6,664.24	23.96	22.89	93.47	117.62	2,633.80	2,822.84	2,776.08	46.76	60.374	
6,800.00	6,783.38	6,753.20	6,769.53	24.32	23.26	93.45	118.40	2,634.50	2,823.46	2,775.98	47.48	59.463	
6,900.00	6,883.38	6,849.29	6,865.63	24.67	23.60	93.44	118.87	2,634.97	2,823.92	2,775.75	48.18	58.617	
7,000.00	6,983.38	6,934.90	6,951.23	25.03	23.90	93.45	118.72	2,635.70	2,824.79	2,775.96	48.83	57.850	
7,100.00	7,083.38	7,021.12	7,037.44	25.38	24.21	-96.23	117.95	2,636.86	2,826.19	2,776.71	49.48	57.114	
7,200.00	7,182.76	7,107.79	7,124.09	25.70	24.51	-96.09	116.62	2,638.39	2,829.12	2,779.02	50.10	56.469	
7,300.00	7,278.91	7,189.69	7,205.95	25.99	24.80	-95.96	114.86	2,640.18	2,834.46	2,783.78	50.68	55.927	
7,400.00	7,368.92	7,269.00	7,285.20	26.25	25.08	-95.82	112.90	2,642.46	2,842.65	2,791.42	51.23	55.488	
7,500.00	7,450.04	7,337.28	7,353.42	26.46	25.33	-95.49	111.18	2,644.73	2,853.79	2,802.08	51.71	55.189	
7,600.00	7,519.81	7,444.38	7,460.45	26.65	25.70	-95.61	108.61	2,647.82	2,867.74	2,815.42	52.32	54.810	
7,700.00	7,576.11	7,526.29	7,542.32	26.83	25.99	-95.26	106.86	2,649.16	2,884.40	2,831.60	52.80	54.629	SF
7,800.00	7,617.23	7,574.80	7,590.83	26.99	26.16	-94.06	105.94	2,649.68	2,904.79	2,851.67	53.11	54.689	
7,900.00	7,643.30	7,601.46	7,617.48	27.11	26.26	-92.81	105.41	2,649.96	2,929.13	2,875.81	53.31	54.940	
8,000.00	7,660.07	7,619.43	7,635.45	27.23	26.32	-91.72	105.03	2,650.16	2,956.93	2,903.46	53.47	55.300	
8,100.00	7,668.19	7,629.20	7,645.21	27.34	26.36	-90.28	104.81	2,650.27	2,988.00	2,934.42	53.58	55.763	
8,200.00	7,668.96	7,631.91	7,647.92	27.45	26.37	-89.56	104.75	2,650.30	3,021.58	2,967.92	53.66	56.310	
8,300.00	7,668.89	7,633.88	7,649.88	27.58	26.37	-89.61	104.71	2,650.33	3,055.12	3,001.38	53.74	56.846	
8,400.00	7,668.82	7,635.91	7,651.91	27.72	26.38	-89.65	104.66	2,650.35	3,088.28	3,034.44	53.84	57.361	
8,500.00	7,668.76	7,638.01	7,654.01	27.89	26.39	-89.70	104.61	2,650.37	3,121.03	3,067.09	53.95	57.854	
8,600.00	7,668.69	7,640.17	7,656.18	28.07	26.39	-89.75	104.56	2,650.40	3,153.35	3,099.28	54.07	58.325	
8,700.00	7,668.62	7,642.39	7,658.39	28.26	26.40	-89.79	104.51	2,650.43	3,186.50	3,132.31	54.19	58.800	
8,800.00	7,668.55	7,644.62	7,660.63	28.48	26.41	-89.83	104.46	2,650.45	3,222.40	3,168.07	54.33	59.311	
8,900.00	7,668.49	7,646.89	7,662.89	28.71	26.42	-89.88	104.41	2,650.48	3,260.97	3,206.49	54.47	59.862	
9,000.00	7,668.42	7,649.22	7,665.23	28.96	26.43	-89.92	104.35	2,650.51	3,302.12	3,247.49	54.63	60.451	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 3H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	12.20	0.00	0.00	89.15	24.96	1,680.84	1,681.07				
100.00	100.00	87.17	99.37	0.28	0.14	89.14	25.09	1,680.85	1,681.04	1,680.63	0.41	4,058.196	
200.00	200.00	186.45	198.65	0.63	0.30	89.13	25.56	1,680.91	1,681.10	1,680.17	0.93	1,807.412	
300.00	300.00	288.06	300.25	0.99	0.63	89.10	26.32	1,680.94	1,681.14	1,679.52	1.63	1,034.250	
400.00	400.00	389.15	401.35	1.35	0.99	89.08	27.10	1,680.87	1,681.09	1,678.75	2.35	716.585	
500.00	500.00	492.15	504.34	1.71	1.36	89.04	28.02	1,680.67	1,680.91	1,677.84	3.07	546.976	
600.00	600.00	591.36	603.54	2.07	1.72	89.01	29.06	1,680.42	1,680.67	1,676.89	3.79	443.841	
700.00	700.00	691.94	704.12	2.43	2.08	88.97	30.14	1,680.22	1,680.50	1,675.99	4.50	373.032	
800.00	800.00	797.49	809.66	2.79	2.46	88.94	30.99	1,679.76	1,680.08	1,674.84	5.24	320.622	
900.00	900.00	903.44	915.60	3.14	2.84	88.90	32.11	1,678.94	1,679.32	1,673.35	5.98	280.996	
1,000.00	1,000.00	1,039.37	1,051.50	3.50	3.31	88.88	32.72	1,676.06	1,677.17	1,670.36	6.81	246.288	
1,100.00	1,100.00	1,124.24	1,136.33	3.86	3.60	88.90	32.24	1,673.78	1,674.49	1,667.03	7.46	224.426	
1,200.00	1,200.00	1,206.00	1,218.08	4.22	3.88	88.94	31.07	1,672.74	1,673.13	1,665.03	8.10	206.632	
1,300.00	1,300.00	1,353.37	1,365.36	4.58	4.38	89.07	27.09	1,670.01	1,671.51	1,662.56	8.95	186.701	
1,400.00	1,400.00	1,495.29	1,507.05	4.94	4.88	89.14	25.05	1,662.25	1,665.88	1,656.08	9.80	169.985	
1,500.00	1,500.00	1,590.87	1,602.44	5.29	5.22	89.15	24.56	1,656.28	1,659.63	1,649.13	10.50	158.089	
1,600.00	1,600.00	1,706.83	1,718.17	5.65	5.64	89.11	25.50	1,649.05	1,653.48	1,642.21	11.26	146.790	
1,700.00	1,700.00	1,971.91	1,980.74	6.01	6.59	88.77	34.68	1,614.95	1,639.54	1,627.07	12.47	131.516	
1,800.00	1,800.00	2,090.34	2,097.14	6.37	7.02	88.59	39.27	1,593.57	1,621.51	1,608.29	13.23	122.592	
1,900.00	1,900.00	2,193.21	2,198.15	6.73	7.40	88.43	43.24	1,574.55	1,603.11	1,589.16	13.95	114.935	
2,000.00	2,000.00	2,293.17	2,296.27	7.09	7.76	88.28	46.70	1,555.75	1,584.40	1,569.74	14.66	108.052	
2,100.00	2,099.98	2,387.00	2,388.40	7.44	8.11	121.01	49.67	1,538.23	1,566.69	1,551.33	15.36	101.979	
2,200.00	2,199.84	2,489.01	2,488.60	7.80	8.49	121.33	52.66	1,519.33	1,550.92	1,534.84	16.08	96.438	
2,300.00	2,299.46	2,590.53	2,588.25	8.16	8.86	121.71	55.35	1,500.16	1,536.54	1,519.74	16.80	91.456	
2,400.00	2,398.96	2,681.06	2,677.18	8.51	9.20	121.91	57.25	1,483.27	1,523.09	1,505.60	17.50	87.043	
2,500.00	2,498.46	2,766.17	2,760.90	8.87	9.51	122.13	58.66	1,468.04	1,510.42	1,492.23	18.18	83.064	
2,600.00	2,597.96	2,856.64	2,850.06	9.23	9.85	122.37	59.66	1,452.72	1,498.71	1,479.83	18.88	79.369	
2,700.00	2,697.46	2,960.65	2,952.43	9.58	10.24	122.53	64.28	1,434.96	1,486.93	1,467.32	19.62	75.805	
2,800.00	2,796.96	3,061.09	3,051.26	9.94	10.61	122.68	68.86	1,417.66	1,475.01	1,454.67	20.34	72.517	
2,900.00	2,896.47	3,152.56	3,141.31	10.30	10.95	122.85	72.25	1,401.98	1,463.20	1,442.15	21.05	69.525	
3,000.00	2,995.97	3,235.46	3,223.08	10.66	11.26	123.04	74.42	1,388.52	1,452.31	1,430.58	21.73	66.833	
3,100.00	3,095.47	3,324.30	3,310.90	11.02	11.59	123.28	75.71	1,375.14	1,442.60	1,420.17	22.43	64.319	
3,200.00	3,194.97	3,434.65	3,419.89	11.38	12.00	123.51	79.35	1,358.29	1,432.72	1,409.54	23.18	61.808	
3,300.00	3,294.47	3,566.26	3,549.53	11.74	12.49	123.71	85.71	1,336.51	1,421.62	1,397.64	23.98	59.292	
3,400.00	3,393.97	3,694.88	3,675.53	12.10	12.98	123.87	93.04	1,311.79	1,407.64	1,382.88	24.76	56.853	
3,500.00	3,493.48	3,780.27	3,759.18	12.46	13.30	123.99	97.37	1,295.16	1,393.53	1,368.07	25.46	54.727	
3,600.00	3,592.98	3,857.00	3,834.53	12.82	13.59	124.15	100.16	1,280.94	1,380.49	1,354.34	26.15	52.791	
3,700.00	3,692.48	3,952.00	3,928.06	13.18	13.94	124.41	102.33	1,264.46	1,368.61	1,341.74	26.87	50.934	
3,800.00	3,791.98	4,071.44	4,045.55	13.54	14.39	124.73	105.17	1,243.18	1,356.31	1,328.67	27.64	49.075	
3,900.00	3,891.48	4,167.58	4,139.95	13.90	14.76	124.97	108.17	1,225.23	1,343.14	1,314.77	28.36	47.356	
4,000.00	3,990.98	4,254.53	4,225.48	14.26	15.08	125.21	110.33	1,209.71	1,330.82	1,301.75	29.07	45.778	
4,100.00	4,090.49	4,362.12	4,331.28	14.62	15.49	125.46	114.16	1,190.62	1,318.62	1,288.80	29.82	44.224	
4,200.00	4,189.99	4,464.46	4,431.70	14.98	15.88	125.60	120.19	1,171.81	1,305.67	1,275.12	30.55	42.735	
4,300.00	4,289.49	4,553.18	4,518.86	15.35	16.21	125.74	125.08	1,155.95	1,293.26	1,261.99	31.27	41.361	
4,400.00	4,388.99	4,648.97	4,613.12	15.71	16.57	125.95	129.07	1,139.42	1,281.55	1,249.56	31.99	40.057	
4,500.00	4,488.49	4,769.90	4,731.90	16.07	17.03	126.12	136.16	1,117.85	1,269.24	1,236.48	32.76	38.746	
4,600.00	4,587.99	4,862.19	4,822.33	16.43	17.38	126.24	142.04	1,100.36	1,255.74	1,222.26	33.48	37.506	
4,700.00	4,687.50	4,947.80	4,906.45	16.79	17.70	126.40	146.50	1,085.13	1,243.47	1,209.27	34.19	36.364	
4,800.00	4,787.00	5,041.83	4,999.01	17.16	18.05	126.60	150.69	1,069.09	1,232.00	1,197.08	34.92	35.281	
4,900.00	4,886.50	5,142.12	5,097.67	17.52	18.43	126.75	156.74	1,052.17	1,220.63	1,184.97	35.65	34.236	
5,000.00	4,986.00	5,233.63	5,187.64	17.88	18.78	126.82	163.60	1,036.93	1,209.39	1,173.02	36.37	33.250	
5,100.00	5,085.50	5,304.46	5,257.46	18.24	19.04	126.91	168.26	1,025.99	1,199.53	1,162.48	37.05	32.376	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 3H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,185.00	5,362.00	5,314.49	18.61	19.25	127.03	170.86	1,018.80	1,192.76	1,155.09	37.67	31.662	
5,300.00	5,284.51	5,414.27	5,366.52	18.97	19.44	127.16	172.67	1,014.18	1,189.78	1,151.55	38.23	31.124	
5,320.78	5,305.18	5,424.66	5,376.88	19.04	19.48	127.19	173.02	1,013.53	1,189.69	1,151.36	38.33	31.035	CC, ES
5,400.00	5,384.01	5,457.00	5,409.17	19.33	19.59	127.27	174.11	1,012.11	1,191.06	1,152.37	38.68	30.791	
5,500.00	5,483.59	5,513.60	5,465.74	19.69	19.78	127.45	175.64	1,011.72	1,195.95	1,156.82	39.13	30.561	
5,600.00	5,583.41	5,569.98	5,522.07	20.05	19.96	127.64	176.49	1,013.88	1,203.02	1,163.49	39.53	30.431	
5,700.00	5,683.38	5,649.43	5,601.37	20.41	20.21	127.76	177.30	1,018.72	1,210.41	1,170.35	40.05	30.221	
5,800.00	5,783.38	5,754.01	5,705.70	20.76	20.54	95.21	178.27	1,025.92	1,217.22	1,176.48	40.74	29.876	
5,900.00	5,883.38	5,906.21	5,857.75	21.12	21.01	95.23	177.17	1,032.09	1,221.25	1,179.50	41.75	29.253	
6,000.00	5,983.38	6,013.86	5,965.38	21.47	21.35	95.29	175.84	1,033.66	1,222.79	1,180.33	42.47	28.795	
6,100.00	6,083.38	6,109.46	6,060.96	21.83	21.65	95.34	174.48	1,035.10	1,224.42	1,181.31	43.11	28.400	
6,200.00	6,183.38	6,218.93	6,170.41	22.18	22.00	95.41	172.85	1,036.59	1,225.93	1,182.08	43.84	27.961	
6,300.00	6,283.38	6,323.56	6,275.03	22.54	22.34	95.46	171.81	1,037.53	1,226.92	1,182.37	44.55	27.539	
6,400.00	6,383.38	6,443.54	6,395.01	22.89	22.74	95.44	172.16	1,037.28	1,226.66	1,181.30	45.36	27.045	
6,500.00	6,483.38	6,547.52	6,498.98	23.25	23.11	95.43	172.65	1,036.01	1,225.40	1,179.32	46.08	26.592	
6,600.00	6,583.38	6,643.90	6,595.36	23.60	23.44	95.45	172.18	1,034.87	1,224.26	1,177.50	46.76	26.180	
6,700.00	6,683.38	6,749.81	6,701.08	23.96	23.80	95.67	167.66	1,033.29	1,223.20	1,175.71	47.49	25.756	
6,773.33	6,756.71	6,806.30	6,756.71	24.22	23.98	96.12	158.16	1,031.65	1,222.42	1,174.52	47.90	25.518	
6,800.00	6,783.38	6,821.99	6,771.94	24.32	24.03	96.30	154.41	1,031.32	1,222.55	1,174.52	48.02	25.458	
6,900.00	6,883.38	6,871.00	6,818.59	24.67	24.18	97.00	139.48	1,030.76	1,225.38	1,177.01	48.37	25.336	
7,000.00	6,983.38	6,928.63	6,871.47	25.03	24.34	98.05	116.60	1,031.24	1,232.23	1,183.55	48.68	25.314	
7,100.00	7,083.38	6,986.38	6,922.05	25.38	24.49	-90.29	88.84	1,032.94	1,243.52	1,194.61	48.92	25.421	
7,200.00	7,182.76	7,059.00	6,982.22	25.70	24.66	-87.30	48.24	1,034.12	1,257.27	1,208.10	49.17	25.569	
7,300.00	7,278.91	7,127.04	7,034.64	25.99	24.80	-84.46	4.92	1,034.65	1,273.02	1,223.70	49.31	25.815	
7,400.00	7,368.92	7,212.86	7,096.56	26.25	24.96	-81.69	-54.48	1,035.77	1,290.09	1,240.51	49.58	26.020	
7,500.00	7,450.04	7,301.17	7,159.07	26.46	25.14	-79.67	-116.83	1,036.29	1,305.00	1,255.11	49.89	26.157	
7,600.00	7,519.81	7,366.94	7,200.58	26.65	25.30	-78.13	-167.81	1,035.59	1,318.53	1,268.52	50.01	26.365	
7,700.00	7,576.11	7,434.00	7,238.36	26.83	25.47	-76.99	-223.18	1,035.77	1,331.90	1,281.72	50.18	26.543	
7,800.00	7,617.23	7,483.15	7,261.87	26.99	25.57	-76.07	-266.31	1,035.93	1,344.28	1,294.02	50.26	26.748	
7,900.00	7,643.30	7,561.51	7,289.55	27.11	25.74	-75.75	-339.54	1,034.37	1,355.23	1,304.67	50.56	26.806	
8,000.00	7,660.07	7,623.00	7,308.28	27.23	25.87	-75.67	-398.08	1,032.53	1,365.05	1,314.25	50.81	26.867	
8,100.00	7,668.19	7,696.82	7,326.64	27.34	26.02	-75.76	-469.53	1,030.82	1,374.99	1,323.84	51.15	26.880	
8,200.00	7,668.96	7,755.64	7,336.15	27.45	26.14	-76.02	-527.55	1,030.28	1,386.09	1,334.65	51.44	26.947	
8,300.00	7,668.89	7,812.00	7,340.46	27.58	26.24	-76.32	-583.74	1,030.06	1,396.78	1,345.11	51.67	27.031	
8,400.00	7,668.82	7,892.33	7,342.87	27.72	26.39	-76.54	-664.03	1,030.67	1,406.30	1,354.35	51.95	27.070	
8,500.00	7,668.76	8,052.87	7,345.08	27.89	26.71	-76.75	-824.52	1,030.31	1,412.24	1,359.80	52.44	26.929	
8,600.00	7,668.69	8,139.59	7,345.93	28.07	26.91	-76.79	-911.19	1,027.98	1,412.06	1,359.28	52.78	26.754	
8,700.00	7,668.62	8,230.48	7,345.93	28.26	27.13	-76.77	-1,002.07	1,025.95	1,410.51	1,357.36	53.15	26.539	
8,800.00	7,668.55	8,312.39	7,345.02	28.48	27.34	-76.73	-1,083.96	1,024.81	1,410.00	1,356.48	53.52	26.347	
8,841.65	7,668.53	8,358.68	7,344.38	28.57	27.47	-76.71	-1,130.25	1,024.34	1,409.97	1,356.25	53.72	26.244	
8,887.63	7,668.50	8,409.80	7,344.07	28.68	27.61	-76.70	-1,181.36	1,023.74	1,409.78	1,355.82	53.96	26.127	
8,900.00	7,668.49	8,405.00	7,344.08	28.71	27.59	-76.70	-1,176.56	1,023.80	1,409.81	1,355.86	53.95	26.130	
9,000.00	7,668.42	8,465.40	7,342.86	28.96	27.77	-76.66	-1,236.94	1,024.03	1,411.49	1,357.18	54.30	25.992	
9,100.00	7,668.35	8,539.71	7,338.99	29.23	28.00	-76.53	-1,311.11	1,026.52	1,416.36	1,361.65	54.71	25.887	
9,200.00	7,668.29	8,658.87	7,333.11	29.51	28.39	-76.34	-1,430.07	1,029.95	1,420.91	1,365.58	55.34	25.678	
9,300.00	7,668.22	8,749.86	7,329.52	29.81	28.70	-76.23	-1,520.96	1,032.21	1,424.88	1,369.00	55.89	25.497	
9,400.00	7,668.15	8,883.16	7,324.40	30.13	29.17	-76.08	-1,654.11	1,035.49	1,428.98	1,372.31	56.67	25.216	
9,500.00	7,668.09	8,961.95	7,322.36	30.46	29.46	-76.02	-1,732.86	1,037.00	1,432.03	1,374.80	57.23	25.022	
9,600.00	7,668.02	9,058.67	7,319.04	30.81	29.83	-75.92	-1,829.49	1,039.41	1,435.87	1,377.97	57.91	24.796	
9,700.00	7,667.95	9,195.88	7,317.00	31.18	30.37	-75.86	-1,966.66	1,040.47	1,437.25	1,378.39	58.86	24.418	
9,800.00	7,667.89	9,272.56	7,315.48	31.56	30.68	-75.82	-2,043.33	1,041.64	1,439.70	1,380.21	59.49	24.200	
9,900.00	7,667.82	9,394.18	7,313.27	31.95	31.20	-75.76	-2,164.92	1,042.55	1,441.37	1,380.95	60.42	23.856	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 3H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
10,000.00	7,667.75	9,485.42	7,313.88	32.35	31.60	-75.80	-2,256.14	1,043.75	1,443.09	1,381.88	61.21	23.575	
10,100.00	7,667.69	9,566.64	7,313.29	32.77	31.96	-75.80	-2,337.35	1,045.18	1,445.60	1,383.65	61.95	23.335	
10,200.00	7,667.62	9,639.07	7,311.35	33.20	32.29	-75.75	-2,409.71	1,047.52	1,449.97	1,387.34	62.63	23.151	
10,300.00	7,667.55	9,750.45	7,306.92	33.64	32.81	-75.64	-2,520.92	1,051.80	1,455.31	1,391.71	63.60	22.883	
10,400.00	7,667.48	9,869.11	7,304.67	34.10	33.38	-75.58	-2,639.54	1,053.94	1,457.94	1,393.29	64.66	22.548	
10,500.00	7,667.42	9,972.14	7,302.13	34.56	33.89	-75.52	-2,742.50	1,056.57	1,461.64	1,396.02	65.63	22.272	
10,600.00	7,667.35	10,072.86	7,300.15	35.04	34.39	-75.47	-2,843.19	1,058.09	1,464.19	1,397.58	66.60	21.984	
10,700.00	7,667.28	10,192.27	7,295.73	35.52	35.00	-75.32	-2,962.50	1,059.33	1,466.78	1,399.05	67.72	21.659	
10,800.00	7,667.22	10,343.05	7,287.01	36.02	35.80	-74.95	-3,112.88	1,053.30	1,464.15	1,395.10	69.05	21.205	
10,887.82	7,667.16	10,403.64	7,284.53	36.46	36.13	-74.84	-3,173.41	1,051.78	1,463.44	1,393.69	69.74	20.984	
10,900.00	7,667.15	10,413.72	7,284.14	36.52	36.18	-74.83	-3,183.47	1,051.62	1,463.44	1,393.59	69.85	20.951	
11,000.00	7,667.08	10,502.48	7,280.68	37.04	36.66	-74.70	-3,272.17	1,050.79	1,464.14	1,393.34	70.80	20.681	
11,100.00	7,667.02	10,592.10	7,278.47	37.56	37.16	-74.62	-3,361.76	1,050.36	1,464.97	1,393.20	71.78	20.411	
11,200.00	7,666.95	10,666.00	7,271.48	38.09	37.57	-74.36	-3,435.29	1,050.75	1,468.32	1,395.72	72.60	20.226	
11,300.00	7,666.88	10,714.44	7,263.70	38.63	37.85	-74.08	-3,483.09	1,051.40	1,474.05	1,400.87	73.18	20.144	
11,400.00	7,666.82	10,882.80	7,238.12	39.17	38.83	-73.17	-3,649.34	1,053.44	1,481.06	1,406.32	74.74	19.816	
11,500.00	7,666.75	11,043.00	7,236.79	39.72	39.75	-73.10	-3,809.45	1,050.18	1,479.02	1,402.65	76.36	19.368	
11,600.00	7,666.68	11,136.00	7,238.61	40.28	40.29	-73.16	-3,902.41	1,048.62	1,477.44	1,399.97	77.48	19.069	
11,700.00	7,666.62	11,221.29	7,239.89	40.85	40.79	-73.21	-3,987.69	1,048.27	1,477.14	1,398.60	78.54	18.808	
11,755.73	7,666.58	11,274.88	7,240.07	41.17	41.10	-73.22	-4,041.28	1,047.96	1,477.10	1,397.92	79.18	18.655	
11,800.00	7,666.55	11,317.40	7,240.15	41.42	41.35	-73.22	-4,083.80	1,047.75	1,477.13	1,397.44	79.69	18.537	
11,900.00	7,666.48	11,402.22	7,240.34	42.00	41.86	-73.24	-4,168.61	1,047.82	1,477.73	1,396.99	80.75	18.301	
12,000.00	7,666.41	11,482.08	7,240.44	42.58	42.34	-73.26	-4,248.47	1,048.86	1,479.53	1,397.76	81.77	18.094	
12,100.00	7,666.35	11,571.13	7,239.64	43.17	42.87	-73.27	-4,337.49	1,050.89	1,482.24	1,399.36	82.87	17.885	
12,200.00	7,666.28	11,670.80	7,237.18	43.77	43.48	-73.17	-4,437.11	1,052.98	1,482.44	1,398.36	84.08	17.632	
12,300.00	7,666.21	11,771.11	7,233.17	44.37	44.10	-72.96	-4,537.32	1,054.54	1,479.24	1,393.96	85.28	17.346	
12,400.00	7,666.14	11,886.95	7,229.51	44.97	44.82	-72.73	-4,653.10	1,056.13	1,473.75	1,387.11	86.64	17.010	
12,500.00	7,666.07	11,985.00	7,227.65	45.58	45.44	-72.59	-4,751.12	1,057.20	1,467.62	1,379.77	87.85	16.706	
12,600.00	7,666.00	12,079.00	7,225.39	46.20	46.03	-72.43	-4,845.08	1,058.53	1,461.93	1,372.91	89.03	16.421	
12,700.00	7,665.93	12,196.61	7,223.22	46.82	46.77	-72.25	-4,962.67	1,059.53	1,455.55	1,365.11	90.44	16.094	
12,800.00	7,665.86	12,293.72	7,219.02	47.44	47.39	-72.02	-5,059.67	1,059.55	1,449.46	1,357.82	91.65	15.816	
12,900.00	7,665.79	12,409.14	7,215.04	48.07	48.13	-71.81	-5,175.01	1,058.11	1,444.60	1,351.57	93.04	15.527	
12,963.91	7,665.75	12,460.50	7,214.74	48.48	48.46	-71.80	-5,226.37	1,058.27	1,443.67	1,349.93	93.75	15.400	
13,000.00	7,665.72	12,497.22	7,214.86	48.70	48.70	-71.80	-5,263.09	1,058.63	1,443.88	1,349.66	94.22	15.324	
13,100.00	7,665.65	12,589.63	7,215.31	49.34	49.30	-71.84	-5,355.49	1,059.65	1,446.78	1,351.32	95.46	15.156	
13,200.00	7,665.58	12,683.87	7,214.88	49.98	49.91	-71.87	-5,449.71	1,061.34	1,453.91	1,357.19	96.72	15.032	
13,300.00	7,665.51	12,794.19	7,214.90	50.61	50.63	-71.97	-5,560.02	1,062.73	1,463.40	1,365.24	98.16	14.909	
13,400.00	7,665.44	12,910.44	7,212.30	51.25	51.40	-72.01	-5,676.25	1,062.60	1,472.88	1,373.25	99.63	14.784	
13,500.00	7,665.37	13,037.10	7,210.75	51.89	52.23	-72.07	-5,802.88	1,060.56	1,480.57	1,379.37	101.19	14.631	
13,600.00	7,665.30	13,138.63	7,211.70	52.54	52.90	-72.20	-5,904.38	1,058.75	1,487.46	1,384.91	102.55	14.504	
13,700.00	7,665.23	13,239.67	7,214.32	53.19	53.58	-72.39	-6,005.37	1,057.03	1,493.94	1,390.01	103.93	14.374	
13,800.00	7,665.16	13,319.15	7,215.55	53.84	54.11	-72.53	-6,084.84	1,056.19	1,499.92	1,394.82	105.11	14.270	
13,900.00	7,665.09	13,407.08	7,215.51	54.50	54.70	-72.60	-6,172.76	1,055.79	1,503.65	1,397.31	106.35	14.139	
14,000.00	7,665.03	13,505.06	7,214.92	55.16	55.36	-72.60	-6,270.74	1,055.65	1,504.82	1,397.15	107.68	13.975	
14,100.00	7,664.96	13,606.60	7,213.99	55.83	56.04	-72.57	-6,372.27	1,055.36	1,505.41	1,396.37	109.04	13.806	
14,200.00	7,664.90	13,704.09	7,213.39	56.49	56.70	-72.56	-6,469.76	1,055.35	1,506.16	1,395.78	110.38	13.645	
14,300.00	7,664.83	13,820.43	7,213.69	57.16	57.49	-72.57	-6,586.11	1,055.02	1,506.40	1,394.50	111.90	13.461	
14,400.00	7,664.76	13,923.61	7,213.11	57.84	58.19	-72.54	-6,689.27	1,053.46	1,505.71	1,392.41	113.30	13.290	
14,500.00	7,664.70	14,029.46	7,212.22	58.51	58.91	-72.51	-6,795.10	1,051.98	1,505.22	1,390.50	114.72	13.121	
14,600.00	7,664.63	14,132.04	7,212.38	59.19	59.61	-72.50	-6,897.67	1,050.12	1,504.02	1,387.90	116.12	12.952	
14,700.00	7,664.56	14,225.40	7,213.41	59.87	60.26	-72.53	-6,991.02	1,048.98	1,503.11	1,385.66	117.45	12.798	
14,800.00	7,664.50	14,323.91	7,213.48	60.55	60.93	-72.53	-7,089.52	1,047.81	1,502.54	1,383.72	118.82	12.646	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 3H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	7,664.43	14,444.37	7,214.71	61.24	61.77	-72.57	-7,209.96	1,046.02	1,501.42	1,381.02	120.40	12.471	
15,000.00	7,664.37	14,532.00	7,215.41	61.92	62.37	-72.58	-7,297.57	1,044.48	1,500.06	1,378.38	121.68	12.328	
15,065.42	7,664.32	14,580.68	7,215.34	62.37	62.71	-72.58	-7,346.25	1,043.94	1,499.75	1,377.31	122.44	12.249	
15,100.00	7,664.30	14,607.79	7,215.13	62.61	62.90	-72.57	-7,373.36	1,043.78	1,499.84	1,376.99	122.85	12.209	
15,200.00	7,664.23	14,730.33	7,213.72	63.30	63.75	-72.52	-7,495.88	1,042.68	1,499.98	1,375.53	124.46	12.052	
15,300.00	7,664.17	14,864.16	7,218.46	63.99	64.69	-72.67	-7,629.56	1,039.71	1,497.23	1,371.06	126.17	11.867	
15,400.00	7,664.10	14,954.95	7,225.46	64.68	65.33	-72.92	-7,720.07	1,038.45	1,494.21	1,366.66	127.55	11.715	
15,500.00	7,664.03	15,039.91	7,231.55	65.37	65.93	-73.15	-7,804.81	1,037.90	1,492.07	1,363.21	128.87	11.578	
15,600.00	7,663.97	15,133.50	7,238.06	66.07	66.60	-73.40	-7,898.17	1,038.18	1,490.92	1,360.66	130.27	11.445	
15,700.00	7,663.90	15,241.32	7,244.48	66.77	67.36	-73.64	-8,005.80	1,037.68	1,489.36	1,357.57	131.79	11.301	
15,800.00	7,663.83	15,346.80	7,250.49	67.47	68.11	-73.86	-8,111.10	1,036.85	1,487.61	1,354.32	133.29	11.161	
15,900.00	7,663.77	15,441.93	7,256.94	68.17	68.79	-74.10	-8,206.02	1,036.11	1,485.58	1,350.88	134.71	11.028	
16,000.00	7,663.70	15,526.51	7,262.42	68.87	69.40	-74.32	-8,290.41	1,036.08	1,484.37	1,348.35	136.02	10.913	
16,054.09	7,663.67	15,571.00	7,264.89	69.25	69.71	-74.41	-8,334.83	1,036.35	1,484.20	1,347.49	136.71	10.856	
16,100.00	7,663.64	15,614.03	7,266.83	69.57	70.02	-74.49	-8,377.82	1,036.67	1,484.25	1,346.90	137.35	10.806	
16,200.00	7,663.57	15,723.38	7,269.93	70.27	70.80	-74.62	-8,487.12	1,037.04	1,484.43	1,345.54	138.89	10.688	
16,300.00	7,663.50	15,825.25	7,273.38	70.98	71.53	-74.76	-8,588.94	1,036.59	1,483.70	1,343.34	140.36	10.571	
16,400.00	7,663.44	15,918.83	7,275.72	71.69	72.19	-74.85	-8,682.48	1,036.36	1,483.40	1,341.66	141.74	10.466	
16,500.00	7,663.37	16,021.85	7,278.38	72.39	72.93	-74.96	-8,785.47	1,036.32	1,483.28	1,340.07	143.21	10.357	
16,600.00	7,663.30	16,121.93	7,280.39	73.10	73.64	-75.04	-8,885.53	1,035.88	1,482.93	1,338.27	144.66	10.251	
16,700.00	7,663.24	16,227.09	7,282.09	73.81	74.40	-75.10	-8,990.67	1,035.19	1,482.48	1,336.33	146.15	10.143	
16,799.58	7,663.17	16,316.92	7,283.66	74.52	75.04	-75.16	-9,080.49	1,034.73	1,482.13	1,334.64	147.49	10.049	
16,800.00	7,663.17	16,317.30	7,283.66	74.52	75.04	-75.16	-9,080.87	1,034.73	1,482.13	1,334.63	147.50	10.048	
16,900.00	7,663.11	16,408.77	7,285.14	75.23	75.70	-75.23	-9,172.33	1,034.84	1,482.43	1,333.57	148.86	9.959	
17,000.00	7,663.04	16,511.89	7,286.55	75.95	76.44	-75.29	-9,275.43	1,035.13	1,482.95	1,332.61	150.34	9.864	
17,100.00	7,662.97	16,618.12	7,288.44	76.66	77.20	-75.37	-9,381.64	1,035.16	1,483.12	1,331.26	151.86	9.766	
17,200.00	7,662.91	16,722.02	7,291.50	77.38	77.95	-75.49	-9,485.50	1,034.98	1,482.80	1,329.44	153.36	9.669	
17,235.36	7,662.88	16,752.81	7,292.35	77.63	78.18	-75.53	-9,516.28	1,034.96	1,482.74	1,328.91	153.83	9.639	
17,300.00	7,662.84	16,810.58	7,293.52	78.09	78.59	-75.58	-9,574.04	1,035.07	1,482.92	1,328.22	154.70	9.586	
17,400.00	7,662.77	16,906.65	7,294.77	78.81	79.29	-75.64	-9,670.10	1,035.39	1,483.51	1,327.40	156.11	9.503	
17,500.00	7,662.71	17,000.17	7,294.82	79.53	79.96	-75.65	-9,763.61	1,035.68	1,484.39	1,326.91	157.49	9.425	
17,600.00	7,662.64	17,085.25	7,293.96	80.24	80.58	-75.63	-9,848.69	1,036.45	1,486.11	1,327.35	158.76	9.361	
17,700.00	7,662.58	17,192.47	7,291.28	80.96	81.35	-75.55	-9,955.87	1,037.28	1,488.08	1,327.79	160.29	9.284	
17,800.00	7,662.51	17,302.22	7,288.66	81.68	82.15	-75.46	-10,065.59	1,037.35	1,489.33	1,327.48	161.84	9.202	SF
17,900.00	7,662.44	17,315.00	7,288.40	82.41	82.24	-75.45	-10,078.37	1,037.34	1,492.91	1,330.83	162.08	9.211	
18,000.00	7,662.38	17,315.00	7,288.40	83.13	82.24	-75.45	-10,078.37	1,037.34	1,503.09	1,341.53	161.56	9.303	
18,100.00	7,662.31	17,315.00	7,288.40	83.85	82.24	-75.45	-10,078.37	1,037.34	1,519.80	1,359.34	160.47	9.471	
18,200.00	7,662.24	17,315.00	7,288.40	84.57	82.24	-75.45	-10,078.37	1,037.34	1,542.83	1,383.99	158.84	9.713	
18,300.00	7,662.18	17,315.00	7,288.40	85.30	82.24	-75.45	-10,078.37	1,037.34	1,571.89	1,415.13	156.76	10.027	
18,400.00	7,662.11	17,315.00	7,288.40	86.02	82.24	-75.45	-10,078.37	1,037.34	1,606.66	1,452.36	154.30	10.412	
18,500.00	7,662.04	17,315.00	7,288.40	86.75	82.24	-75.45	-10,078.37	1,037.34	1,646.78	1,495.23	151.55	10.866	
18,600.00	7,661.98	17,315.00	7,288.40	87.47	82.24	-75.45	-10,078.37	1,037.34	1,691.86	1,543.28	148.58	11.387	
18,700.00	7,661.91	17,315.00	7,288.40	88.20	82.24	-75.45	-10,078.37	1,037.34	1,741.52	1,596.06	145.46	11.972	
18,800.00	7,661.85	17,315.00	7,288.40	88.93	82.24	-75.45	-10,078.37	1,037.34	1,795.39	1,653.12	142.27	12.620	
18,900.00	7,661.78	17,315.00	7,288.40	89.65	82.24	-75.45	-10,078.37	1,037.34	1,853.09	1,714.04	139.05	13.327	
19,000.00	7,661.71	17,315.00	7,288.40	90.38	82.24	-75.45	-10,078.37	1,037.34	1,914.28	1,778.42	135.85	14.091	
19,100.00	7,661.65	17,315.00	7,288.40	91.11	82.24	-75.45	-10,078.37	1,037.34	1,978.63	1,845.91	132.71	14.909	
19,200.00	7,661.58	17,315.00	7,288.40	91.84	82.24	-75.45	-10,078.37	1,037.34	2,045.85	1,916.19	129.66	15.779	
19,300.00	7,661.51	17,315.00	7,288.40	92.57	82.24	-75.45	-10,078.37	1,037.34	2,115.66	1,988.95	126.71	16.697	
19,400.00	7,661.45	17,315.00	7,288.40	93.30	82.24	-75.45	-10,078.37	1,037.34	2,187.81	2,063.94	123.87	17.662	
19,500.00	7,661.38	17,315.00	7,288.40	94.03	82.24	-75.45	-10,078.37	1,037.34	2,262.09	2,140.93	121.16	18.670	
19,600.00	7,661.32	17,315.00	7,288.40	94.77	82.24	-75.45	-10,078.37	1,037.34	2,338.28	2,219.70	118.58	19.719	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 3H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,700.00	7,661.25	17,315.00	7,288.40	95.50	82.24	-75.45	-10,078.37	1,037.34	2,416.21	2,300.08	116.13	20.806	
19,800.00	7,661.18	17,315.00	7,288.40	96.23	82.24	-75.45	-10,078.37	1,037.34	2,495.71	2,381.90	113.81	21.929	
19,900.00	7,661.12	17,315.00	7,288.40	96.96	82.24	-75.45	-10,078.37	1,037.34	2,576.65	2,465.03	111.62	23.084	
20,000.00	7,661.05	17,315.00	7,288.40	97.70	82.24	-75.45	-10,078.37	1,037.34	2,658.88	2,549.33	109.55	24.271	
20,100.00	7,660.98	17,315.00	7,288.40	98.43	82.24	-75.45	-10,078.37	1,037.34	2,742.29	2,634.69	107.60	25.485	
20,200.00	7,660.92	17,315.00	7,288.40	99.17	82.24	-75.45	-10,078.37	1,037.34	2,826.78	2,721.01	105.77	26.726	
20,300.00	7,660.85	17,315.00	7,288.40	99.90	82.24	-75.45	-10,078.37	1,037.34	2,912.25	2,808.21	104.04	27.991	
20,400.00	7,660.78	17,315.00	7,288.40	100.64	82.24	-75.45	-10,078.37	1,037.34	2,998.62	2,896.20	102.42	29.279	
20,500.00	7,660.72	17,315.00	7,288.40	101.37	82.24	-75.45	-10,078.37	1,037.34	3,085.81	2,984.92	100.89	30.586	
20,600.00	7,660.65	17,315.00	7,288.40	102.11	82.24	-75.45	-10,078.37	1,037.34	3,173.76	3,074.30	99.46	31.911	
20,700.00	7,660.59	17,315.00	7,288.40	102.85	82.24	-75.45	-10,078.37	1,037.34	3,262.40	3,164.29	98.11	33.254	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 5H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	12.20	0.00	0.00	89.62	11.23	1,695.38	1,695.46				
100.00	100.00	90.44	102.64	0.28	0.14	89.62	11.22	1,695.31	1,695.35	1,694.93	0.42	4,041.088	
200.00	200.00	193.44	205.64	0.63	0.31	89.62	11.17	1,695.06	1,695.10	1,694.16	0.94	1,800.604	
300.00	300.00	300.22	312.41	0.99	0.68	89.62	11.25	1,694.50	1,694.58	1,692.91	1.67	1,015.413	
400.00	400.00	401.67	413.87	1.35	1.04	89.61	11.56	1,693.70	1,693.80	1,691.41	2.39	708.736	
500.00	500.00	504.14	516.33	1.71	1.41	89.60	11.94	1,692.79	1,692.92	1,689.80	3.11	543.479	
600.00	600.00	600.52	612.70	2.07	1.75	89.59	12.22	1,691.83	1,691.92	1,688.10	3.82	443.390	
700.00	700.00	689.32	701.51	2.43	2.06	89.60	11.90	1,691.57	1,691.61	1,687.13	4.48	377.295	
800.00	800.00	799.38	811.56	2.79	2.44	89.62	11.36	1,691.27	1,691.35	1,686.12	5.23	323.588	
900.00	900.00	914.60	926.76	3.14	2.85	89.66	9.97	1,689.97	1,690.21	1,684.22	5.99	281.967	
1,000.00	1,000.00	1,003.60	1,015.74	3.50	3.17	89.72	8.31	1,688.80	1,688.89	1,682.22	6.67	253.254	
1,051.94	1,051.94	1,039.81	1,051.94	3.69	3.29	89.74	7.66	1,688.59	1,688.61	1,681.63	6.98	241.893	CC
1,100.00	1,100.00	1,069.48	1,081.61	3.86	3.39	89.74	7.54	1,688.75	1,688.87	1,681.61	7.25	232.809	ES
1,200.00	1,200.00	1,142.05	1,154.15	4.22	3.64	89.70	8.77	1,690.34	1,690.98	1,683.13	7.86	215.233	
1,300.00	1,300.00	1,227.35	1,239.40	4.58	3.93	89.64	10.52	1,692.82	1,693.94	1,685.44	8.50	199.320	
1,400.00	1,400.00	1,300.00	1,311.93	4.94	4.17	89.57	12.87	1,696.22	1,698.56	1,689.46	9.10	186.715	
1,500.00	1,500.00	1,367.39	1,379.09	5.29	4.40	89.45	16.32	1,700.54	1,704.91	1,695.24	9.68	176.196	
1,600.00	1,600.00	1,441.06	1,452.36	5.65	4.65	89.28	21.46	1,706.24	1,712.75	1,702.47	10.28	166.662	
1,700.00	1,700.00	1,517.98	1,528.72	6.01	4.92	89.09	27.28	1,713.36	1,722.12	1,711.23	10.89	158.155	
1,800.00	1,800.00	1,599.31	1,609.38	6.37	5.20	88.88	33.61	1,721.67	1,732.51	1,721.00	11.52	150.418	
1,900.00	1,900.00	1,677.00	1,686.29	6.73	5.47	88.68	39.74	1,730.79	1,744.39	1,732.26	12.13	143.790	
2,000.00	2,000.00	1,747.42	1,755.88	7.09	5.72	88.51	45.22	1,740.06	1,757.68	1,744.97	12.71	138.259	
2,100.00	2,099.98	1,875.50	1,882.54	7.44	6.17	120.55	54.43	1,756.70	1,771.83	1,758.28	13.54	130.855	
2,200.00	2,199.84	1,979.19	1,985.26	7.80	6.54	120.23	61.36	1,769.05	1,786.60	1,772.33	14.26	125.252	
2,300.00	2,299.46	2,077.60	2,082.77	8.16	6.89	120.02	67.92	1,780.58	1,802.90	1,787.94	14.97	120.465	
2,400.00	2,398.96	2,171.70	2,175.96	8.51	7.23	120.09	74.48	1,791.81	1,820.07	1,804.42	15.65	116.309	
2,500.00	2,498.46	2,271.96	2,275.24	8.87	7.59	120.15	81.56	1,803.88	1,837.35	1,820.99	16.36	112.313	
2,600.00	2,597.96	2,355.86	2,358.31	9.23	7.89	120.19	87.77	1,813.95	1,854.65	1,837.65	17.00	109.098	
2,700.00	2,697.46	2,427.02	2,428.56	9.58	8.15	120.21	93.73	1,823.57	1,873.40	1,855.82	17.58	106.548	
2,800.00	2,796.96	2,517.82	2,518.06	9.94	8.48	120.21	101.89	1,836.52	1,892.96	1,874.71	18.25	103.697	
2,900.00	2,896.47	2,620.85	2,619.54	10.30	8.85	120.20	111.72	1,851.33	1,912.65	1,893.67	18.98	100.746	
3,000.00	2,995.97	2,704.18	2,701.61	10.66	9.15	120.19	119.64	1,863.41	1,932.47	1,912.85	19.62	98.476	
3,100.00	3,095.47	2,799.43	2,795.40	11.02	9.50	120.20	127.85	1,877.82	1,952.87	1,932.55	20.32	96.107	
3,200.00	3,194.97	2,915.94	2,910.19	11.38	9.93	120.21	138.11	1,894.95	1,972.86	1,951.74	21.12	93.420	
3,300.00	3,294.47	3,007.00	2,999.97	11.74	10.26	120.20	146.59	1,907.62	1,992.11	1,970.32	21.80	91.399	
3,400.00	3,393.97	3,101.00	3,092.62	12.10	10.61	120.22	154.53	1,921.32	2,011.96	1,989.47	22.49	89.467	
3,500.00	3,493.48	3,192.99	3,183.26	12.46	10.95	120.25	161.66	1,935.35	2,032.43	2,009.26	23.17	87.712	
3,600.00	3,592.98	3,330.54	3,318.96	12.82	11.45	120.29	172.95	1,954.72	2,051.78	2,027.71	24.07	85.227	
3,700.00	3,692.48	3,423.67	3,410.98	13.18	11.79	120.30	180.96	1,966.62	2,069.88	2,045.11	24.76	83.583	
3,800.00	3,791.98	3,492.15	3,478.54	13.54	12.05	120.32	186.46	1,976.34	2,089.30	2,063.96	25.34	82.466	
3,900.00	3,891.48	3,584.94	3,570.00	13.90	12.39	120.35	193.79	1,990.19	2,109.48	2,083.45	26.02	81.059	
4,000.00	3,990.98	3,690.74	3,674.28	14.26	12.78	120.38	202.21	2,005.96	2,129.64	2,102.86	26.78	79.529	
4,100.00	4,090.49	3,826.80	3,808.56	14.62	13.28	120.41	213.21	2,024.89	2,148.87	2,121.19	27.68	77.636	
4,200.00	4,189.99	3,962.58	3,942.91	14.98	13.78	120.44	224.31	2,041.16	2,166.12	2,137.55	28.57	75.819	
4,300.00	4,289.49	4,069.37	4,048.76	15.35	14.17	120.47	232.75	2,052.52	2,182.02	2,152.69	29.32	74.412	
4,400.00	4,388.99	4,137.00	4,115.69	15.71	14.42	120.48	238.39	2,060.38	2,198.89	2,168.99	29.90	73.550	
4,500.00	4,488.49	4,226.66	4,204.30	16.07	14.75	120.49	246.16	2,071.59	2,216.68	2,186.11	30.57	72.505	
4,600.00	4,587.99	4,286.35	4,263.23	16.43	14.97	120.49	251.36	2,079.58	2,235.38	2,204.28	31.10	71.875	
4,700.00	4,687.50	4,355.04	4,330.84	16.79	15.23	120.49	257.44	2,090.00	2,255.77	2,224.10	31.67	71.231	
4,800.00	4,787.00	4,454.25	4,428.45	17.16	15.60	120.50	266.02	2,105.57	2,276.73	2,244.34	32.39	70.284	
4,900.00	4,886.50	4,575.47	4,547.86	17.52	16.05	120.52	276.10	2,123.82	2,297.06	2,263.82	33.23	69.122	
5,000.00	4,986.00	4,703.08	4,673.89	17.88	16.52	120.58	285.33	2,141.62	2,316.26	2,282.16	34.10	67.928	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 5H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	4,809.48	4,779.13	18.24	16.91	120.64	292.39	2,155.63	2,334.65	2,299.79	34.86	66.979	
5,200.00	5,185.00	4,959.69	4,927.94	18.61	17.46	120.76	300.90	2,174.11	2,352.39	2,316.57	35.82	65.672	
5,300.00	5,284.51	5,116.84	5,084.33	18.97	18.03	121.00	305.03	2,188.87	2,366.82	2,330.03	36.79	64.329	
5,400.00	5,384.01	5,224.63	5,191.74	19.33	18.42	121.17	307.42	2,197.66	2,380.17	2,342.63	37.54	63.399	
5,500.00	5,483.59	5,517.13	5,483.86	19.69	19.43	121.79	308.00	2,209.66	2,389.21	2,350.27	38.93	61.368	
5,600.00	5,583.41	5,643.53	5,610.25	20.05	19.84	122.00	307.30	2,208.89	2,391.66	2,351.97	39.69	60.258	
5,700.00	5,683.38	5,737.00	5,703.72	20.41	20.14	122.06	307.07	2,207.73	2,391.66	2,351.31	40.35	59.266	
5,793.56	5,776.94	5,808.43	5,775.14	20.74	20.38	122.05	307.47	2,207.27	2,391.27	2,350.33	40.94	58.412	
5,800.00	5,783.38	5,812.77	5,779.48	20.76	20.40	89.54	307.53	2,207.27	2,391.15	2,350.17	40.98	58.355	
5,900.00	5,883.38	5,890.51	5,857.20	21.12	20.67	89.51	308.88	2,207.81	2,391.84	2,350.23	41.61	57.487	
6,000.00	5,983.38	5,969.47	5,936.15	21.47	20.94	89.48	310.25	2,208.98	2,393.35	2,351.11	42.24	56.658	
6,100.00	6,083.38	6,055.75	6,022.40	21.83	21.25	89.46	311.14	2,211.06	2,395.74	2,352.84	42.90	55.843	
6,200.00	6,183.38	6,158.43	6,125.04	22.18	21.60	89.47	310.87	2,213.58	2,398.19	2,354.58	43.61	54.987	
6,300.00	6,283.38	6,307.03	6,273.55	22.54	22.10	89.57	306.58	2,216.28	2,400.17	2,355.71	44.46	53.980	
6,400.00	6,383.38	6,399.74	6,366.24	22.89	22.41	89.61	304.88	2,216.86	2,400.78	2,355.64	45.13	53.191	
6,500.00	6,483.38	6,514.51	6,481.00	23.25	22.80	89.63	303.96	2,217.32	2,401.17	2,355.29	45.88	52.339	
6,600.00	6,583.38	6,637.58	6,604.07	23.60	23.22	89.63	304.03	2,217.01	2,400.94	2,354.31	46.64	51.482	
6,700.00	6,683.38	6,748.97	6,715.36	23.96	23.59	89.71	300.54	2,215.61	2,399.65	2,352.30	47.35	50.677	
6,800.00	6,783.38	6,823.91	6,789.71	24.32	23.82	89.93	291.35	2,214.92	2,398.73	2,350.76	47.97	50.010	
6,818.18	6,801.56	6,835.95	6,801.56	24.38	23.86	89.98	289.19	2,214.90	2,398.70	2,350.63	48.07	49.899	
6,900.00	6,883.38	6,892.51	6,856.68	24.67	24.04	90.28	276.59	2,215.20	2,399.18	2,350.63	48.55	49.414	
7,000.00	6,983.38	6,961.00	6,922.16	25.03	24.24	90.76	256.59	2,216.14	2,400.93	2,351.80	49.13	48.871	
7,100.00	7,083.38	7,025.85	6,982.14	25.38	24.42	-98.33	232.07	2,217.63	2,404.23	2,354.56	49.67	48.402	
7,200.00	7,182.76	7,055.00	7,008.17	25.70	24.50	-97.37	218.98	2,218.51	2,411.06	2,361.02	50.04	48.183	
7,300.00	7,278.91	7,098.46	7,045.75	25.99	24.61	-95.91	197.28	2,220.74	2,422.63	2,372.23	50.41	48.062	
7,400.00	7,368.92	7,149.00	7,087.36	26.25	24.73	-94.13	169.01	2,225.36	2,439.32	2,388.55	50.76	48.054	
7,500.00	7,450.04	7,168.27	7,102.56	26.46	24.78	-92.11	157.35	2,227.53	2,459.34	2,408.39	50.95	48.270	
7,600.00	7,519.81	7,243.00	7,157.25	26.65	24.97	-89.94	107.20	2,235.82	2,481.76	2,430.42	51.34	48.344	
7,700.00	7,576.11	7,321.29	7,207.49	26.83	25.15	-87.79	47.81	2,244.19	2,504.99	2,453.30	51.69	48.458	
7,800.00	7,617.23	7,397.00	7,249.08	26.99	25.31	-85.71	-14.94	2,251.88	2,528.35	2,476.34	52.01	48.612	
7,900.00	7,643.30	7,462.64	7,278.75	27.11	25.44	-84.36	-73.11	2,258.29	2,551.59	2,499.32	52.27	48.815	
8,000.00	7,660.07	7,525.00	7,302.47	27.23	25.57	-83.51	-130.41	2,264.74	2,575.45	2,522.93	52.52	49.042	
8,100.00	7,668.19	7,563.66	7,314.61	27.34	25.63	-82.48	-166.84	2,269.08	2,600.12	2,547.43	52.69	49.351	
8,200.00	7,668.96	7,619.00	7,327.54	27.45	25.73	-82.28	-220.18	2,276.01	2,625.52	2,572.63	52.89	49.638	
8,300.00	7,668.89	7,713.96	7,338.07	27.58	25.87	-82.65	-313.78	2,287.30	2,648.88	2,595.72	53.16	49.826	
8,400.00	7,668.82	8,120.31	7,336.56	27.72	26.56	-82.82	-719.52	2,304.47	2,662.89	2,608.93	53.97	49.342	
8,500.00	7,668.76	8,225.99	7,335.84	27.89	26.80	-82.83	-825.18	2,302.61	2,667.42	2,613.06	54.36	49.071	
8,600.00	7,668.69	8,330.93	7,335.17	28.07	27.04	-82.82	-930.10	2,300.48	2,668.21	2,613.44	54.77	48.716	
8,700.00	7,668.62	8,402.00	7,334.65	28.26	27.21	-82.81	-1,001.15	2,299.02	2,667.04	2,611.90	55.14	48.366	
8,757.06	7,668.58	8,451.36	7,334.37	28.38	27.34	-82.80	-1,050.50	2,298.35	2,666.71	2,611.32	55.40	48.139	
8,800.00	7,668.55	8,476.66	7,334.32	28.48	27.40	-82.80	-1,075.80	2,298.27	2,666.85	2,611.30	55.56	48.002	
8,900.00	7,668.49	8,596.52	7,334.47	28.71	27.73	-82.81	-1,195.67	2,298.29	2,667.54	2,611.42	56.12	47.533	
8,908.80	7,668.48	8,609.90	7,334.50	28.73	27.77	-82.81	-1,209.04	2,298.19	2,667.52	2,611.34	56.18	47.483	
9,000.00	7,668.42	8,676.89	7,334.65	28.96	27.97	-82.81	-1,276.03	2,298.10	2,667.87	2,611.25	56.62	47.123	
9,100.00	7,668.35	8,772.09	7,334.85	29.23	28.26	-82.82	-1,371.23	2,298.27	2,668.64	2,611.45	57.18	46.667	
9,200.00	7,668.29	8,849.96	7,334.95	29.51	28.51	-82.83	-1,449.10	2,298.74	2,669.86	2,612.12	57.73	46.246	
9,300.00	7,668.22	8,973.63	7,334.86	29.81	28.93	-82.83	-1,572.76	2,299.76	2,671.35	2,612.90	58.46	45.698	
9,400.00	7,668.15	9,076.07	7,335.12	30.13	29.30	-82.84	-1,675.21	2,299.84	2,672.01	2,612.86	59.15	45.173	
9,500.00	7,668.09	9,156.00	7,335.35	30.46	29.59	-82.85	-1,755.13	2,300.32	2,673.17	2,613.37	59.79	44.707	
9,600.00	7,668.02	9,263.65	7,335.49	30.81	30.01	-82.86	-1,862.78	2,301.13	2,674.52	2,613.95	60.57	44.159	
9,700.00	7,667.95	9,356.31	7,335.79	31.18	30.38	-82.87	-1,955.43	2,301.87	2,675.88	2,614.57	61.31	43.645	
9,800.00	7,667.89	9,472.53	7,335.34	31.56	30.86	-82.86	-2,071.65	2,302.14	2,676.74	2,614.57	62.18	43.050	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 5H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
9,900.00	7,667.82	9,568.56	7,335.75	31.95	31.27	-82.88	-2,167.68	2,302.63	2,677.81	2,614.82	62.99	42.511	
10,000.00	7,667.75	9,675.74	7,335.66	32.35	31.74	-82.88	-2,274.86	2,302.66	2,678.44	2,614.57	63.88	41.932	
10,100.00	7,667.69	9,768.99	7,335.44	32.77	32.16	-82.88	-2,368.11	2,302.86	2,679.31	2,614.58	64.73	41.394	
10,200.00	7,667.62	9,861.36	7,335.26	33.20	32.59	-82.88	-2,460.48	2,303.23	2,680.35	2,614.76	65.60	40.862	
10,300.00	7,667.55	9,958.15	7,335.68	33.64	33.04	-82.89	-2,557.26	2,304.03	2,681.74	2,615.23	66.51	40.322	
10,400.00	7,667.48	10,063.91	7,335.89	34.10	33.56	-82.90	-2,663.02	2,304.71	2,682.97	2,615.48	67.48	39.759	
10,500.00	7,667.42	10,172.90	7,335.89	34.56	34.09	-82.90	-2,772.01	2,305.13	2,683.96	2,615.47	68.49	39.187	
10,600.00	7,667.35	10,259.35	7,335.79	35.04	34.53	-82.91	-2,858.46	2,305.41	2,684.94	2,615.52	69.42	38.679	
10,700.00	7,667.28	10,360.46	7,335.64	35.52	35.05	-82.91	-2,959.56	2,306.20	2,686.34	2,615.91	70.43	38.142	
10,800.00	7,667.22	10,483.34	7,335.36	36.02	35.69	-82.91	-3,082.44	2,306.48	2,687.22	2,615.65	71.57	37.548	
10,900.00	7,667.15	10,589.01	7,334.65	36.52	36.25	-82.89	-3,188.12	2,305.97	2,687.44	2,614.80	72.64	36.995	
11,000.00	7,667.08	10,676.03	7,334.34	37.04	36.72	-82.89	-3,275.13	2,305.82	2,687.93	2,614.29	73.64	36.501	
11,100.00	7,667.02	10,786.11	7,334.67	37.56	37.33	-82.90	-3,385.20	2,305.74	2,688.44	2,613.67	74.77	35.956	
11,200.00	7,666.95	10,887.05	7,334.41	38.09	37.89	-82.90	-3,486.14	2,305.26	2,688.61	2,612.74	75.87	35.437	
11,300.00	7,666.88	10,971.85	7,334.23	38.63	38.36	-82.89	-3,570.95	2,305.18	2,689.16	2,612.26	76.90	34.970	
11,400.00	7,666.82	11,062.55	7,334.30	39.17	38.88	-82.90	-3,661.64	2,305.64	2,690.27	2,612.30	77.97	34.503	
11,500.00	7,666.75	11,172.87	7,334.21	39.72	39.51	-82.90	-3,771.97	2,305.98	2,691.19	2,612.03	79.16	33.995	
11,600.00	7,666.68	11,260.40	7,334.03	40.28	40.02	-82.90	-3,859.49	2,306.19	2,692.10	2,611.85	80.25	33.548	
11,700.00	7,666.62	11,345.23	7,334.29	40.85	40.52	-82.91	-3,944.32	2,307.20	2,693.83	2,612.50	81.32	33.125	
11,800.00	7,666.55	11,514.79	7,334.25	41.42	41.53	-82.92	-4,113.87	2,307.30	2,694.61	2,611.73	82.88	32.512	
11,900.00	7,666.48	11,604.00	7,333.96	42.00	42.06	-82.91	-4,203.07	2,306.24	2,694.08	2,610.07	84.01	32.069	
12,000.00	7,666.41	11,700.50	7,333.24	42.58	42.65	-82.90	-4,299.56	2,305.24	2,693.76	2,608.57	85.19	31.622	
12,100.00	7,666.35	11,802.14	7,332.84	43.17	43.27	-82.89	-4,401.20	2,304.27	2,693.16	2,606.76	86.40	31.170	
12,200.00	7,666.28	11,892.07	7,333.89	43.77	43.82	-82.90	-4,491.12	2,303.77	2,689.87	2,602.30	87.57	30.718	
12,300.00	7,666.21	11,995.90	7,335.13	44.37	44.47	-82.89	-4,594.94	2,303.22	2,683.13	2,594.31	88.82	30.208	
12,400.00	7,666.14	12,076.12	7,335.74	44.97	44.97	-82.88	-4,675.15	2,303.04	2,674.79	2,584.84	89.95	29.737	
12,500.00	7,666.07	12,201.99	7,336.02	45.58	45.76	-82.86	-4,801.03	2,302.31	2,666.12	2,574.77	91.34	29.188	
12,600.00	7,666.00	12,287.42	7,336.61	46.20	46.30	-82.86	-4,886.45	2,301.69	2,657.30	2,564.78	92.52	28.722	
12,700.00	7,665.93	12,360.00	7,337.40	46.82	46.76	-82.86	-4,959.02	2,301.98	2,649.47	2,555.85	93.62	28.299	
12,800.00	7,665.86	12,492.54	7,338.74	47.44	47.61	-82.87	-5,091.56	2,301.94	2,641.56	2,546.47	95.09	27.780	
12,900.00	7,665.79	12,591.53	7,339.95	48.07	48.25	-82.90	-5,190.54	2,301.57	2,636.20	2,539.83	96.36	27.357	
13,000.00	7,665.72	12,697.41	7,340.63	48.70	48.94	-82.91	-5,296.42	2,300.87	2,634.09	2,536.41	97.68	26.965	
13,013.50	7,665.71	12,711.29	7,340.70	48.79	49.03	-82.91	-5,310.29	2,300.76	2,634.06	2,536.20	97.86	26.917	
13,100.00	7,665.65	12,807.03	7,341.10	49.34	49.65	-82.92	-5,406.02	2,299.88	2,635.24	2,536.21	99.03	26.611	
13,200.00	7,665.58	12,878.79	7,341.25	49.98	50.12	-82.92	-5,477.79	2,299.26	2,639.98	2,539.82	100.16	26.358	
13,300.00	7,665.51	12,941.23	7,341.30	50.61	50.53	-82.93	-5,540.23	2,299.66	2,649.29	2,548.07	101.22	26.173	
13,400.00	7,665.44	13,020.00	7,342.29	51.25	51.05	-82.97	-5,618.97	2,301.32	2,660.42	2,558.04	102.39	25.984	
13,500.00	7,665.37	13,182.18	7,339.95	51.89	52.13	-82.97	-5,781.10	2,301.99	2,670.08	2,565.99	104.09	25.651	
13,600.00	7,665.30	13,271.56	7,337.52	52.54	52.72	-82.94	-5,870.44	2,301.54	2,679.19	2,573.84	105.34	25.433	
13,700.00	7,665.23	13,362.14	7,335.33	53.19	53.33	-82.91	-5,961.00	2,301.55	2,688.76	2,582.15	106.61	25.221	
13,800.00	7,665.16	13,484.92	7,333.75	53.84	54.15	-82.93	-6,083.76	2,301.57	2,696.74	2,588.67	108.07	24.953	
13,900.00	7,665.09	13,575.68	7,333.57	54.50	54.77	-82.95	-6,174.53	2,301.26	2,700.76	2,591.41	109.35	24.698	
14,000.00	7,665.03	13,675.54	7,333.04	55.16	55.44	-82.94	-6,274.38	2,301.14	2,701.89	2,591.20	110.69	24.409	
14,100.00	7,664.96	13,786.26	7,332.98	55.83	56.19	-82.94	-6,385.10	2,300.80	2,702.21	2,590.10	112.11	24.104	
14,200.00	7,664.90	13,879.04	7,333.49	56.49	56.82	-82.96	-6,477.88	2,300.52	2,702.47	2,589.05	113.42	23.828	
14,300.00	7,664.83	13,965.00	7,333.18	57.16	57.41	-82.95	-6,563.83	2,300.56	2,703.17	2,588.49	114.68	23.570	
14,400.00	7,664.76	14,045.41	7,332.34	57.84	57.96	-82.94	-6,644.24	2,301.04	2,704.50	2,588.58	115.92	23.331	
14,500.00	7,664.70	14,161.14	7,330.29	58.51	58.75	-82.90	-6,759.94	2,301.76	2,705.96	2,588.57	117.39	23.051	
14,600.00	7,664.63	14,261.60	7,328.09	59.19	59.45	-82.86	-6,860.39	2,301.95	2,707.05	2,588.28	118.77	22.793	
14,700.00	7,664.56	14,359.39	7,326.44	59.87	60.12	-82.83	-6,958.16	2,302.20	2,708.12	2,587.99	120.13	22.543	
14,800.00	7,664.50	14,456.89	7,325.50	60.55	60.80	-82.81	-7,055.65	2,302.70	2,709.37	2,587.88	121.49	22.301	
14,900.00	7,664.43	14,571.92	7,323.68	61.24	61.60	-82.78	-7,170.66	2,302.83	2,710.30	2,587.33	122.97	22.040	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-26 Federal Com 5H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,000.00	7,664.37	14,676.06	7,321.67	61.92	62.32	-82.74	-7,274.78	2,302.49	2,710.83	2,586.44	124.39	21.793	
15,100.00	7,664.30	14,776.27	7,320.30	62.61	63.02	-82.71	-7,374.99	2,302.23	2,711.37	2,585.59	125.78	21.557	
15,200.00	7,664.23	14,897.38	7,318.33	63.30	63.86	-82.67	-7,496.08	2,301.50	2,711.62	2,584.31	127.30	21.300	
15,300.00	7,664.17	14,996.55	7,316.70	63.99	64.56	-82.64	-7,595.23	2,300.38	2,711.33	2,582.63	128.70	21.068	
15,400.00	7,664.10	15,103.76	7,315.52	64.68	65.31	-82.61	-7,702.43	2,299.20	2,710.99	2,580.85	130.14	20.832	
15,500.00	7,664.03	15,214.36	7,315.15	65.37	66.08	-82.60	-7,813.01	2,297.47	2,710.09	2,578.48	131.60	20.593	
15,600.00	7,663.97	15,299.27	7,315.66	66.07	66.68	-82.61	-7,897.92	2,296.64	2,709.62	2,576.71	132.91	20.386	
15,700.00	7,663.90	15,422.46	7,310.85	66.77	67.55	-82.51	-8,020.96	2,293.83	2,708.40	2,573.93	134.46	20.142	
15,800.00	7,663.83	15,502.62	7,308.77	67.47	68.11	-82.46	-8,101.07	2,292.41	2,707.60	2,571.84	135.76	19.945	
15,900.00	7,663.77	15,593.08	7,308.29	68.17	68.75	-82.46	-8,191.53	2,291.65	2,707.43	2,570.32	137.11	19.747	
16,000.00	7,663.70	15,704.06	7,307.69	68.87	69.54	-82.44	-8,302.49	2,290.45	2,707.05	2,568.46	138.59	19.533	
16,100.00	7,663.64	15,796.67	7,308.09	69.57	70.20	-82.45	-8,395.10	2,289.51	2,706.60	2,566.64	139.96	19.338	
16,138.96	7,663.61	15,829.37	7,308.49	69.84	70.43	-82.46	-8,427.80	2,289.32	2,706.56	2,566.09	140.47	19.268	
16,200.00	7,663.57	15,889.75	7,309.47	70.27	70.86	-82.48	-8,488.17	2,289.13	2,706.61	2,565.28	141.33	19.150	
16,296.40	7,663.51	15,986.83	7,310.91	70.95	71.55	-82.51	-8,585.24	2,288.64	2,706.54	2,563.83	142.71	18.965	
16,300.00	7,663.50	15,990.08	7,310.96	70.98	71.57	-82.52	-8,588.49	2,288.63	2,706.54	2,563.78	142.76	18.959	
16,400.00	7,663.44	16,085.36	7,312.20	71.69	72.25	-82.54	-8,683.76	2,288.34	2,706.69	2,562.54	144.15	18.777	
16,500.00	7,663.37	16,185.14	7,313.42	72.39	72.97	-82.57	-8,783.53	2,288.06	2,706.87	2,561.29	145.57	18.594	
16,600.00	7,663.30	16,292.08	7,314.62	73.10	73.73	-82.60	-8,890.47	2,287.69	2,707.00	2,559.96	147.05	18.409	
16,700.00	7,663.24	16,393.94	7,315.67	73.81	74.46	-82.62	-8,992.32	2,287.04	2,706.85	2,558.36	148.49	18.230	
16,800.00	7,663.17	16,508.58	7,316.90	74.52	75.29	-82.65	-9,106.94	2,286.10	2,706.52	2,556.51	150.01	18.042	
16,900.00	7,663.11	16,630.49	7,317.29	75.23	76.16	-82.66	-9,228.84	2,284.07	2,705.45	2,553.88	151.57	17.849	
17,000.00	7,663.04	16,771.90	7,318.51	75.95	77.17	-82.67	-9,370.18	2,279.93	2,702.99	2,549.76	153.23	17.640	
17,100.00	7,662.97	16,850.74	7,319.99	76.66	77.74	-82.70	-9,448.95	2,277.15	2,699.98	2,545.42	154.55	17.469	
17,200.00	7,662.91	16,928.90	7,321.34	77.38	78.30	-82.73	-9,527.08	2,275.69	2,698.45	2,542.58	155.87	17.312	
17,300.00	7,662.84	17,033.59	7,322.85	78.09	79.06	-82.76	-9,631.74	2,273.49	2,696.79	2,539.45	157.34	17.140	
17,400.00	7,662.77	17,127.21	7,324.04	78.81	79.73	-82.78	-9,725.33	2,271.69	2,695.34	2,536.60	158.74	16.980	
17,500.00	7,662.71	17,199.47	7,324.70	79.53	80.25	-82.79	-9,797.59	2,270.51	2,694.30	2,534.29	160.01	16.838	
17,518.87	7,662.70	17,209.51	7,324.79	79.66	80.33	-82.80	-9,807.62	2,270.44	2,694.27	2,534.04	160.23	16.815	
17,600.00	7,662.64	17,265.00	7,325.26	80.24	80.73	-82.81	-9,863.11	2,270.67	2,694.89	2,533.67	161.23	16.715	
17,700.00	7,662.58	17,350.40	7,326.31	80.96	81.35	-82.83	-9,948.50	2,271.69	2,696.48	2,533.91	162.57	16.587	
17,800.00	7,662.51	17,444.55	7,328.01	81.68	82.04	-82.88	-10,042.63	2,272.81	2,698.06	2,534.08	163.98	16.454	
17,900.00	7,662.44	17,476.00	7,328.63	82.41	82.26	-82.89	-10,074.06	2,273.25	2,700.66	2,535.79	164.87	16.380	
18,000.00	7,662.38	17,476.00	7,328.63	83.13	82.26	-82.89	-10,074.06	2,273.25	2,706.75	2,541.40	165.34	16.370	SF
18,100.00	7,662.31	17,476.00	7,328.63	83.85	82.26	-82.89	-10,074.06	2,273.25	2,716.51	2,550.89	165.62	16.402	
18,200.00	7,662.24	17,476.00	7,328.63	84.57	82.26	-82.89	-10,074.06	2,273.25	2,729.90	2,564.19	165.71	16.474	
18,300.00	7,662.18	17,476.00	7,328.63	85.30	82.26	-82.89	-10,074.06	2,273.25	2,746.87	2,581.26	165.62	16.586	
18,400.00	7,662.11	17,476.00	7,328.63	86.02	82.26	-82.89	-10,074.06	2,273.25	2,767.36	2,602.02	165.34	16.737	
18,500.00	7,662.04	17,476.00	7,328.63	86.75	82.26	-82.89	-10,074.06	2,273.25	2,791.27	2,626.38	164.89	16.928	
18,600.00	7,661.98	17,476.00	7,328.63	87.47	82.26	-82.89	-10,074.06	2,273.25	2,818.54	2,654.25	164.29	17.156	
18,700.00	7,661.91	17,476.00	7,328.63	88.20	82.26	-82.89	-10,074.06	2,273.25	2,849.05	2,685.51	163.54	17.421	
18,800.00	7,661.85	17,476.00	7,328.63	88.93	82.26	-82.89	-10,074.06	2,273.25	2,882.71	2,720.06	162.65	17.723	
18,900.00	7,661.78	17,476.00	7,328.63	89.65	82.26	-82.89	-10,074.06	2,273.25	2,919.41	2,757.77	161.65	18.060	
19,000.00	7,661.71	17,476.00	7,328.63	90.38	82.26	-82.89	-10,074.06	2,273.25	2,959.04	2,798.50	160.54	18.432	
19,100.00	7,661.65	17,476.00	7,328.63	91.11	82.26	-82.89	-10,074.06	2,273.25	3,001.48	2,842.15	159.33	18.838	
19,200.00	7,661.58	17,476.00	7,328.63	91.84	82.26	-82.89	-10,074.06	2,273.25	3,046.61	2,888.56	158.04	19.277	
19,300.00	7,661.51	17,476.00	7,328.63	92.57	82.26	-82.89	-10,074.06	2,273.25	3,094.31	2,937.62	156.69	19.748	
19,400.00	7,661.45	17,476.00	7,328.63	93.30	82.26	-82.89	-10,074.06	2,273.25	3,144.47	2,989.19	155.28	20.251	
19,500.00	7,661.38	17,476.00	7,328.63	94.03	82.26	-82.89	-10,074.06	2,273.25	3,196.97	3,043.15	153.82	20.784	
19,600.00	7,661.32	17,476.00	7,328.63	94.77	82.26	-82.89	-10,074.06	2,273.25	3,251.70	3,099.37	152.33	21.346	
19,700.00	7,661.25	17,476.00	7,328.63	95.50	82.26	-82.89	-10,074.06	2,273.25	3,308.55	3,157.74	150.81	21.938	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 6H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	12.20	0.00	0.00	90.08	-2.50	1,709.92	1,709.97				
100.00	100.00	95.72	107.92	0.28	0.15	90.08	-2.53	1,709.70	1,709.72	1,709.29	0.43	3,992.753	
200.00	200.00	204.73	216.93	0.63	0.33	90.09	-2.64	1,708.91	1,708.99	1,708.03	0.96	1,780.700	
300.00	300.00	311.27	323.46	0.99	0.72	90.09	-2.55	1,707.66	1,707.82	1,706.11	1.71	999.122	
400.00	400.00	412.81	424.98	1.35	1.08	90.08	-2.35	1,706.04	1,706.23	1,703.80	2.43	701.883	
500.00	500.00	491.53	503.71	1.71	1.36	90.08	-2.52	1,705.39	1,705.40	1,702.33	3.07	555.897	
521.63	521.63	509.46	521.63	1.79	1.42	90.09	-2.62	1,705.37	1,705.38	1,702.17	3.21	531.750	CC
600.00	600.00	575.25	587.42	2.07	1.65	90.11	-3.14	1,705.63	1,705.68	1,701.97	3.71	459.230	ES
700.00	700.00	674.43	686.59	2.43	1.98	90.13	-3.80	1,706.39	1,706.44	1,702.04	4.41	387.014	
800.00	800.00	772.33	784.49	2.79	2.32	90.15	-4.33	1,707.19	1,707.26	1,702.16	5.10	334.495	
900.00	900.00	869.81	881.96	3.14	2.66	90.15	-4.51	1,708.15	1,708.25	1,702.45	5.80	294.568	
1,000.00	1,000.00	968.70	980.85	3.50	3.00	90.15	-4.37	1,709.25	1,709.36	1,702.86	6.50	262.980	
1,100.00	1,100.00	1,049.33	1,061.47	3.86	3.28	90.14	-4.07	1,710.32	1,710.76	1,703.62	7.14	239.663	
1,200.00	1,200.00	1,111.00	1,123.10	4.22	3.49	90.13	-3.76	1,712.41	1,714.14	1,706.43	7.71	222.380	
1,300.00	1,300.00	1,166.60	1,178.61	4.58	3.69	90.11	-3.34	1,715.63	1,719.92	1,711.67	8.25	208.384	
1,400.00	1,400.00	1,232.43	1,244.20	4.94	3.92	90.09	-2.56	1,721.12	1,728.16	1,719.33	8.83	195.658	
1,500.00	1,500.00	1,321.17	1,332.55	5.29	4.24	90.03	-0.94	1,729.37	1,737.46	1,727.96	9.50	182.919	
1,600.00	1,600.00	1,408.99	1,419.89	5.65	4.55	89.96	1.32	1,738.21	1,747.51	1,737.35	10.16	171.969	
1,700.00	1,700.00	1,509.19	1,519.51	6.01	4.90	89.84	4.88	1,748.33	1,757.63	1,746.76	10.87	161.644	
1,800.00	1,800.00	1,582.00	1,591.83	6.37	5.16	89.74	7.84	1,756.21	1,768.52	1,757.04	11.48	154.102	
1,900.00	1,900.00	1,662.67	1,671.84	6.73	5.45	89.64	11.08	1,765.95	1,780.66	1,768.55	12.11	147.041	
2,000.00	2,000.00	1,772.08	1,780.22	7.09	5.84	89.46	16.76	1,779.78	1,793.38	1,780.52	12.86	139.408	
2,100.00	2,099.98	1,868.70	1,875.87	7.44	6.19	121.54	24.37	1,791.08	1,806.12	1,792.56	13.56	133.154	
2,200.00	2,199.84	1,948.00	1,954.24	7.80	6.48	121.18	30.72	1,801.40	1,821.95	1,807.76	14.19	128.408	
2,300.00	2,299.46	2,021.70	2,026.94	8.16	6.74	120.89	36.82	1,811.87	1,840.72	1,825.93	14.79	124.477	
2,400.00	2,398.96	2,114.98	2,118.83	8.51	7.08	120.90	44.94	1,825.71	1,860.84	1,845.37	15.47	120.289	
2,500.00	2,498.46	2,221.11	2,223.40	8.87	7.47	120.90	54.22	1,841.32	1,880.83	1,864.62	16.21	116.020	
2,600.00	2,597.96	2,334.96	2,335.69	9.23	7.88	120.91	64.04	1,857.30	1,900.15	1,883.16	16.99	111.845	
2,700.00	2,697.46	2,409.00	2,408.78	9.58	8.15	120.91	70.41	1,867.26	1,919.08	1,901.50	17.59	109.115	
2,800.00	2,796.96	2,490.66	2,489.28	9.94	8.45	120.92	77.34	1,879.09	1,938.99	1,920.77	18.22	106.417	
2,900.00	2,896.47	2,572.66	2,569.86	10.30	8.75	120.94	84.09	1,892.67	1,960.73	1,941.87	18.85	103.991	
3,000.00	2,995.97	2,697.50	2,692.65	10.66	9.21	120.94	95.05	1,912.35	1,981.75	1,962.05	19.69	100.625	
3,100.00	3,095.47	2,785.09	2,778.90	11.02	9.53	120.95	102.56	1,925.68	2,002.26	1,981.91	20.36	98.356	
3,200.00	3,194.97	2,881.76	2,874.06	11.38	9.89	120.98	109.93	1,941.03	2,023.39	2,002.32	21.06	96.057	
3,300.00	3,294.47	2,992.60	2,983.24	11.74	10.30	121.02	118.37	1,958.14	2,044.07	2,022.23	21.84	93.592	
3,400.00	3,393.97	3,094.69	3,083.87	12.10	10.68	121.05	126.28	1,973.43	2,064.31	2,041.73	22.57	91.445	
3,500.00	3,493.48	3,231.35	3,218.78	12.46	11.18	121.10	136.53	1,992.65	2,083.66	2,060.19	23.47	88.778	
3,600.00	3,592.98	3,316.75	3,303.24	12.82	11.50	121.13	143.00	2,003.50	2,101.72	2,077.60	24.13	87.113	
3,700.00	3,692.48	3,382.00	3,367.51	13.18	11.74	121.15	147.96	2,013.55	2,122.07	2,097.39	24.68	85.967	
3,800.00	3,791.98	3,451.23	3,435.54	13.54	12.00	121.17	153.34	2,025.21	2,143.87	2,118.61	25.26	84.874	
3,900.00	3,891.48	3,567.46	3,549.88	13.90	12.43	121.19	162.57	2,043.90	2,165.20	2,139.13	26.07	83.057	
4,000.00	3,990.98	3,698.13	3,678.67	14.26	12.92	121.22	172.99	2,063.42	2,185.41	2,158.46	26.95	81.102	
4,100.00	4,090.49	3,791.70	3,771.05	14.62	13.27	121.24	180.28	2,076.39	2,204.56	2,176.92	27.64	79.754	
4,200.00	4,189.99	3,852.00	3,830.44	14.98	13.49	121.25	185.21	2,085.58	2,225.06	2,196.89	28.17	78.981	
4,300.00	4,289.49	3,971.75	3,948.28	15.35	13.94	121.26	195.25	2,104.38	2,246.05	2,217.05	29.00	77.448	
4,400.00	4,388.99	4,142.00	4,116.40	15.71	14.57	121.30	208.74	2,127.46	2,264.92	2,234.86	30.07	75.334	
4,500.00	4,488.49	4,172.75	4,146.77	16.07	14.68	121.30	211.12	2,131.71	2,283.73	2,253.27	30.46	74.973	
4,600.00	4,587.99	4,229.00	4,202.01	16.43	14.89	121.31	215.67	2,141.24	2,305.44	2,274.47	30.97	74.450	
4,700.00	4,687.50	4,269.59	4,241.71	16.79	15.05	121.32	219.07	2,148.97	2,329.03	2,297.65	31.38	74.221	
4,800.00	4,787.00	4,401.05	4,370.38	17.16	15.54	121.32	230.31	2,173.49	2,353.03	2,320.74	32.29	72.881	
4,900.00	4,886.50	4,532.28	4,499.27	17.52	16.04	121.34	241.17	2,195.65	2,375.16	2,341.97	33.18	71.574	
5,000.00	4,986.00	4,635.21	4,600.61	17.88	16.42	121.36	249.07	2,211.81	2,396.09	2,362.16	33.93	70.616	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 6H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,085.50	4,699.00	4,663.24	18.24	16.66	121.36	254.70	2,222.53	2,418.12	2,383.64	34.47	70.147	
5,200.00	5,185.00	4,776.27	4,738.88	18.61	16.95	121.34	262.30	2,236.35	2,441.25	2,406.16	35.08	69.584	
5,300.00	5,284.51	4,908.54	4,868.41	18.97	17.45	121.29	275.69	2,259.55	2,464.09	2,428.10	35.99	68.458	
5,400.00	5,384.01	5,036.04	4,993.58	19.33	17.93	121.26	288.18	2,280.34	2,485.73	2,448.86	36.87	67.413	
5,500.00	5,483.59	5,173.62	5,129.04	19.69	18.45	121.45	301.18	2,300.62	2,505.31	2,467.52	37.80	66.286	
5,600.00	5,583.41	5,310.24	5,263.84	20.05	18.95	121.61	313.20	2,319.23	2,522.23	2,483.53	38.70	65.171	
5,700.00	5,683.38	5,476.96	5,429.30	20.41	19.57	121.71	322.09	2,337.56	2,534.33	2,494.60	39.73	63.792	
5,800.00	5,783.38	5,769.92	5,721.50	20.76	20.61	89.04	331.04	2,354.22	2,539.13	2,497.96	41.17	61.675	
5,900.00	5,883.38	5,891.61	5,843.15	21.12	21.04	88.99	333.12	2,356.89	2,541.40	2,499.46	41.94	60.595	
6,000.00	5,983.38	5,978.13	5,929.65	21.47	21.34	88.96	334.57	2,358.18	2,542.97	2,500.37	42.60	59.693	
6,100.00	6,083.38	6,049.98	6,001.46	21.83	21.59	88.96	334.86	2,360.13	2,545.68	2,502.46	43.21	58.911	
6,200.00	6,183.38	6,236.27	6,187.62	22.18	22.21	89.05	330.72	2,364.58	2,548.74	2,504.57	44.17	57.709	
6,300.00	6,283.38	6,379.52	6,330.84	22.54	22.67	89.08	329.36	2,362.82	2,547.39	2,502.44	44.95	56.678	
6,400.00	6,383.38	6,483.50	6,434.80	22.89	23.00	89.10	328.44	2,360.78	2,545.41	2,499.78	45.63	55.788	
6,500.00	6,483.38	6,570.33	6,521.61	23.25	23.27	89.11	327.86	2,359.24	2,543.63	2,497.36	46.27	54.972	
6,600.00	6,583.38	6,659.66	6,610.94	23.60	23.57	89.10	328.46	2,358.08	2,542.35	2,495.42	46.93	54.177	
6,700.00	6,683.38	6,763.23	6,714.50	23.96	23.91	89.09	329.02	2,356.93	2,541.24	2,493.63	47.62	53.368	
6,800.00	6,783.38	6,857.34	6,808.60	24.32	24.21	89.08	329.23	2,355.86	2,540.11	2,491.83	48.28	52.608	
6,900.00	6,883.38	6,972.14	6,923.38	24.67	24.59	89.05	330.49	2,354.32	2,538.79	2,489.78	49.01	51.806	
7,000.00	6,983.38	7,054.00	7,005.23	25.03	24.87	89.03	331.59	2,353.24	2,537.50	2,487.85	49.65	51.111	
7,100.00	7,083.38	7,147.00	7,098.22	25.38	25.18	-100.70	332.45	2,352.67	2,536.90	2,486.58	50.32	50.416	
7,105.05	7,088.43	7,147.00	7,098.22	25.40	25.18	-100.70	332.45	2,352.67	2,536.89	2,486.55	50.34	50.396	
7,200.00	7,182.76	7,219.07	7,170.28	25.70	25.43	-100.67	332.09	2,352.79	2,538.86	2,487.96	50.90	49.883	
7,300.00	7,278.91	7,307.16	7,258.09	25.99	25.71	-100.49	326.02	2,353.59	2,544.77	2,493.28	51.49	49.423	
7,400.00	7,368.92	7,405.32	7,353.58	26.25	26.01	-100.03	303.84	2,355.06	2,554.16	2,502.09	52.07	49.052	
7,500.00	7,450.04	7,656.51	7,572.64	26.46	26.61	-99.71	183.67	2,352.96	2,563.22	2,510.34	52.88	48.475	
7,600.00	7,519.81	7,983.36	7,759.14	26.65	27.20	-98.02	-77.64	2,332.95	2,568.26	2,514.75	53.51	47.992	
7,700.00	7,576.11	8,207.95	7,816.81	26.83	27.52	-96.21	-292.76	2,307.12	2,568.34	2,514.36	53.98	47.580	
7,800.00	7,617.23	8,276.00	7,821.73	26.99	27.60	-95.51	-360.11	2,299.21	2,570.11	2,515.83	54.28	47.350	
7,900.00	7,643.30	8,357.79	7,820.62	27.11	27.70	-94.70	-441.48	2,291.06	2,574.71	2,520.18	54.53	47.213	
8,000.00	7,660.07	8,429.13	7,818.40	27.23	27.80	-94.07	-512.46	2,284.21	2,580.70	2,525.93	54.77	47.120	
8,100.00	7,668.19	8,486.00	7,817.38	27.34	27.88	-93.52	-569.14	2,279.69	2,588.98	2,534.01	54.97	47.102	
8,200.00	7,668.96	8,522.99	7,817.09	27.45	27.94	-93.28	-606.05	2,277.47	2,599.19	2,544.06	55.12	47.154	
8,300.00	7,668.89	8,581.00	7,817.03	27.58	28.03	-93.26	-664.04	2,275.65	2,608.84	2,553.52	55.32	47.157	
8,400.00	7,668.82	8,637.69	7,817.21	27.72	28.13	-93.25	-720.72	2,274.78	2,616.63	2,561.08	55.55	47.104	
8,500.00	7,668.76	8,726.86	7,817.53	27.89	28.30	-93.25	-809.88	2,273.30	2,621.24	2,565.38	55.86	46.924	
8,600.00	7,668.69	8,806.14	7,817.87	28.07	28.46	-93.26	-889.15	2,272.62	2,623.17	2,566.98	56.19	46.687	
8,700.00	7,668.62	8,892.66	7,818.32	28.26	28.65	-93.27	-975.67	2,272.47	2,623.66	2,567.11	56.56	46.389	
8,800.00	7,668.55	8,989.86	7,818.84	28.48	28.88	-93.28	-1,072.87	2,272.56	2,624.42	2,567.43	56.99	46.050	
8,900.00	7,668.49	9,099.35	7,819.34	28.71	29.16	-93.29	-1,182.36	2,272.61	2,625.13	2,567.64	57.49	45.662	
9,000.00	7,668.42	9,205.90	7,819.76	28.96	29.45	-93.30	-1,288.91	2,272.11	2,625.32	2,567.30	58.02	45.247	
9,100.00	7,668.35	9,291.29	7,820.10	29.23	29.69	-93.31	-1,374.30	2,271.87	2,625.70	2,567.17	58.53	44.861	
9,200.00	7,668.29	9,376.42	7,820.35	29.51	29.95	-93.32	-1,459.43	2,272.24	2,626.78	2,567.71	59.07	44.473	
9,300.00	7,668.22	9,489.22	7,820.80	29.81	30.31	-93.33	-1,572.22	2,272.91	2,628.06	2,568.34	59.72	44.006	
9,400.00	7,668.15	9,584.83	7,821.19	30.13	30.63	-93.34	-1,667.83	2,272.95	2,628.76	2,568.41	60.35	43.557	
9,500.00	7,668.09	9,690.29	7,821.67	30.46	31.00	-93.35	-1,773.29	2,273.35	2,629.80	2,568.75	61.05	43.076	
9,600.00	7,668.02	9,779.75	7,822.01	30.81	31.32	-93.36	-1,862.75	2,273.54	2,630.69	2,568.97	61.72	42.622	
9,700.00	7,667.95	9,876.68	7,822.39	31.18	31.69	-93.36	-1,959.68	2,274.17	2,631.99	2,569.54	62.45	42.147	
9,800.00	7,667.89	9,960.59	7,822.68	31.56	32.02	-93.37	-2,043.58	2,274.89	2,633.51	2,570.37	63.15	41.703	
9,900.00	7,667.82	10,078.26	7,822.72	31.95	32.49	-93.37	-2,161.24	2,276.28	2,635.37	2,571.36	64.01	41.170	
10,000.00	7,667.75	10,160.23	7,822.81	32.35	32.83	-93.37	-2,243.21	2,276.97	2,636.87	2,572.12	64.76	40.720	
10,100.00	7,667.69	10,272.85	7,822.85	32.77	33.31	-93.37	-2,355.82	2,278.32	2,638.72	2,573.07	65.65	40.192	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 6H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,200.00	7,667.62	10,354.64	7,822.83	33.20	33.67	-93.37	-2,437.60	2,279.24	2,640.48	2,574.04	66.44	39.742	
10,300.00	7,667.55	10,498.81	7,822.92	33.64	34.32	-93.37	-2,581.77	2,280.04	2,641.64	2,574.10	67.53	39.115	
10,400.00	7,667.48	10,591.52	7,823.09	34.10	34.75	-93.38	-2,674.48	2,279.95	2,642.18	2,573.77	68.42	38.618	
10,500.00	7,667.42	10,681.35	7,823.26	34.56	35.17	-93.38	-2,764.30	2,280.23	2,643.14	2,573.83	69.31	38.136	
10,600.00	7,667.35	10,778.97	7,823.44	35.04	35.65	-93.38	-2,861.93	2,280.76	2,644.32	2,574.06	70.25	37.639	
10,700.00	7,667.28	10,879.21	7,823.59	35.52	36.14	-93.39	-2,962.17	2,281.30	2,645.50	2,574.27	71.23	37.139	
10,800.00	7,667.22	10,969.46	7,823.68	36.02	36.59	-93.39	-3,052.41	2,281.88	2,646.79	2,574.61	72.18	36.669	
10,900.00	7,667.15	11,058.28	7,823.62	36.52	37.05	-93.39	-3,141.23	2,283.03	2,648.69	2,575.56	73.14	36.216	
11,000.00	7,667.08	11,169.69	7,823.42	37.04	37.62	-93.38	-3,252.63	2,284.24	2,650.40	2,576.17	74.23	35.705	
11,100.00	7,667.02	11,275.74	7,823.40	37.56	38.18	-93.38	-3,358.67	2,285.11	2,651.85	2,576.54	75.31	35.211	
11,200.00	7,666.95	11,373.27	7,823.29	38.09	38.70	-93.38	-3,456.20	2,285.78	2,653.16	2,576.79	76.37	34.743	
11,300.00	7,666.88	11,473.43	7,823.29	38.63	39.25	-93.38	-3,556.36	2,286.60	2,654.62	2,577.17	77.45	34.276	
11,400.00	7,666.82	11,610.30	7,823.54	39.17	40.00	-93.38	-3,693.23	2,286.85	2,655.48	2,576.74	78.75	33.722	
11,500.00	7,666.75	11,707.02	7,823.57	39.72	40.54	-93.39	-3,789.94	2,286.28	2,655.53	2,575.69	79.84	33.260	
11,600.00	7,666.68	11,782.00	7,823.47	40.28	40.96	-93.38	-3,864.93	2,286.26	2,656.13	2,575.31	80.83	32.862	
11,700.00	7,666.62	11,850.46	7,823.39	40.85	41.35	-93.38	-3,933.38	2,286.97	2,657.80	2,576.02	81.78	32.499	
11,800.00	7,666.55	11,937.19	7,823.38	41.42	41.85	-93.38	-4,020.10	2,288.74	2,660.45	2,577.61	82.85	32.112	
11,900.00	7,666.48	12,062.89	7,823.40	42.00	42.59	-93.38	-4,145.78	2,291.00	2,662.92	2,578.75	84.17	31.639	
12,000.00	7,666.41	12,200.10	7,823.48	42.58	43.39	-93.38	-4,282.98	2,291.61	2,663.99	2,578.43	85.56	31.136	
12,100.00	7,666.35	12,334.23	7,823.51	43.17	44.19	-93.38	-4,417.11	2,290.46	2,663.46	2,576.52	86.94	30.635	
12,200.00	7,666.28	12,416.77	7,823.48	43.77	44.68	-93.40	-4,499.63	2,289.38	2,659.57	2,571.53	88.04	30.209	
12,300.00	7,666.21	12,525.16	7,823.44	44.37	45.34	-93.42	-4,608.02	2,288.48	2,652.67	2,563.38	89.30	29.707	
12,400.00	7,666.14	12,615.87	7,823.34	44.97	45.89	-93.43	-4,698.73	2,287.50	2,643.54	2,553.08	90.46	29.223	
12,500.00	7,666.07	12,720.02	7,823.31	45.58	46.53	-93.44	-4,802.87	2,286.59	2,634.60	2,542.88	91.71	28.727	
12,600.00	7,666.00	12,827.55	7,823.38	46.20	47.19	-93.46	-4,910.40	2,285.32	2,625.36	2,532.37	92.99	28.232	
12,700.00	7,665.93	12,931.77	7,823.29	46.82	47.84	-93.47	-5,014.60	2,283.82	2,615.85	2,521.59	94.26	27.751	
12,800.00	7,665.86	13,027.79	7,823.06	47.44	48.44	-93.47	-5,110.62	2,282.46	2,606.67	2,511.18	95.49	27.297	
12,900.00	7,665.79	13,122.68	7,823.00	48.07	49.04	-93.47	-5,205.50	2,281.24	2,600.55	2,503.82	96.72	26.886	
13,000.00	7,665.72	13,218.57	7,823.01	48.70	49.65	-93.47	-5,301.38	2,280.25	2,598.15	2,500.18	97.97	26.520	
13,021.87	7,665.71	13,243.60	7,823.00	48.84	49.80	-93.47	-5,326.41	2,279.98	2,598.08	2,499.81	98.26	26.440	
13,100.00	7,665.65	13,337.56	7,822.88	49.34	50.40	-93.47	-5,420.36	2,278.66	2,598.94	2,499.59	99.35	26.159	
13,200.00	7,665.58	13,433.77	7,822.71	49.98	51.02	-93.46	-5,516.55	2,276.82	2,602.63	2,502.02	100.61	25.869	
13,300.00	7,665.51	13,520.13	7,822.62	50.61	51.58	-93.46	-5,602.91	2,275.79	2,610.17	2,508.37	101.81	25.638	
13,400.00	7,665.44	13,617.46	7,822.57	51.25	52.21	-93.45	-5,700.23	2,274.67	2,618.36	2,515.28	103.08	25.402	
13,500.00	7,665.37	13,705.45	7,822.61	51.89	52.78	-93.44	-5,788.21	2,274.00	2,626.93	2,522.63	104.30	25.187	
13,600.00	7,665.30	13,820.09	7,821.81	52.54	53.53	-93.41	-5,902.85	2,273.38	2,635.72	2,530.03	105.69	24.939	
13,700.00	7,665.23	13,941.70	7,820.81	53.19	54.33	-93.38	-6,024.44	2,271.36	2,643.31	2,536.19	107.13	24.675	
13,800.00	7,665.16	14,029.41	7,820.17	53.84	54.90	-93.36	-6,112.14	2,269.83	2,649.38	2,541.01	108.37	24.449	
13,900.00	7,665.09	14,128.93	7,819.53	54.50	55.56	-93.34	-6,211.65	2,268.44	2,652.31	2,542.63	109.68	24.181	
14,000.00	7,665.03	14,218.45	7,818.89	55.16	56.16	-93.33	-6,301.15	2,267.29	2,652.19	2,541.24	110.95	23.905	
14,100.00	7,664.96	14,309.22	7,818.24	55.83	56.76	-93.31	-6,391.91	2,266.50	2,651.92	2,539.69	112.23	23.630	
14,200.00	7,664.90	14,430.72	7,817.24	56.49	57.58	-93.29	-6,513.40	2,265.29	2,651.53	2,537.83	113.70	23.320	
14,300.00	7,664.83	14,518.00	7,816.41	57.16	58.16	-93.28	-6,600.68	2,264.24	2,650.90	2,535.94	114.97	23.058	
14,374.79	7,664.78	14,581.09	7,815.74	57.67	58.59	-93.26	-6,663.76	2,263.75	2,650.75	2,534.84	115.90	22.870	
14,400.00	7,664.76	14,602.54	7,815.51	57.84	58.74	-93.26	-6,685.21	2,263.64	2,650.76	2,534.54	116.22	22.808	
14,500.00	7,664.70	14,714.12	7,814.26	58.51	59.49	-93.23	-6,796.78	2,262.93	2,650.71	2,533.05	117.65	22.530	
14,559.83	7,664.66	14,766.14	7,813.78	58.92	59.84	-93.23	-6,848.80	2,262.55	2,650.62	2,532.20	118.41	22.384	
14,600.00	7,664.63	14,802.00	7,813.55	59.19	60.09	-93.22	-6,884.66	2,262.37	2,650.66	2,531.73	118.93	22.287	
14,700.00	7,664.56	14,904.57	7,813.36	59.87	60.79	-93.22	-6,987.23	2,261.87	2,650.79	2,530.48	120.31	22.033	
14,796.81	7,664.50	15,003.09	7,813.73	60.53	61.46	-93.23	-7,085.74	2,261.20	2,650.77	2,529.13	121.64	21.791	
14,800.00	7,664.50	15,005.69	7,813.75	60.55	61.48	-93.23	-7,088.34	2,261.19	2,650.77	2,529.09	121.68	21.784	
14,900.00	7,664.43	15,084.00	7,814.68	61.24	62.01	-93.25	-7,166.64	2,260.92	2,651.15	2,528.24	122.90	21.571	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 6H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,000.00	7,664.37	15,179.00	7,816.60	61.92	62.67	-93.29	-7,261.62	2,261.13	2,652.12	2,527.88	124.24	21.346	
15,100.00	7,664.30	15,251.65	7,818.30	62.61	63.17	-93.33	-7,334.25	2,261.78	2,653.75	2,528.33	125.42	21.159	
15,200.00	7,664.23	15,360.79	7,820.14	63.30	63.93	-93.37	-7,443.36	2,263.21	2,655.81	2,528.94	126.87	20.933	
15,300.00	7,664.17	15,450.94	7,820.50	63.99	64.55	-93.37	-7,533.51	2,264.30	2,657.68	2,529.49	128.18	20.734	
15,400.00	7,664.10	15,598.80	7,820.51	64.68	65.58	-93.37	-7,681.36	2,264.69	2,658.43	2,528.52	129.91	20.464	
15,500.00	7,664.03	15,690.61	7,820.74	65.37	66.21	-93.38	-7,773.17	2,264.57	2,658.95	2,527.70	131.24	20.260	
15,600.00	7,663.97	15,804.25	7,821.01	66.07	67.01	-93.39	-7,886.81	2,264.33	2,659.40	2,526.67	132.73	20.036	
15,692.82	7,663.91	15,899.26	7,821.29	66.72	67.67	-93.39	-7,981.82	2,263.63	2,659.32	2,525.28	134.04	19.840	
15,700.00	7,663.90	15,905.86	7,821.30	66.77	67.71	-93.39	-7,988.42	2,263.59	2,659.32	2,525.18	134.14	19.825	
15,800.00	7,663.83	16,005.40	7,821.44	67.47	68.41	-93.40	-8,087.96	2,263.03	2,659.39	2,523.86	135.53	19.622	
15,900.00	7,663.77	16,095.22	7,821.54	68.17	69.04	-93.40	-8,177.77	2,262.60	2,659.57	2,522.70	136.87	19.432	
16,000.00	7,663.70	16,181.29	7,821.63	68.87	69.65	-93.40	-8,263.84	2,262.64	2,660.25	2,522.08	138.17	19.253	
16,100.00	7,663.64	16,274.25	7,821.70	69.57	70.30	-93.40	-8,356.81	2,263.10	2,661.39	2,521.86	139.53	19.074	
16,200.00	7,663.57	16,346.39	7,821.68	70.27	70.81	-93.40	-8,428.94	2,263.71	2,662.93	2,522.20	140.73	18.922	
16,300.00	7,663.50	16,405.00	7,821.71	70.98	71.22	-93.40	-8,487.53	2,265.17	2,666.02	2,524.21	141.80	18.801	
16,400.00	7,663.44	16,586.45	7,822.08	71.69	72.51	-93.41	-8,668.96	2,267.35	2,667.51	2,523.65	143.86	18.543	
16,500.00	7,663.37	16,703.21	7,823.20	72.39	73.34	-93.43	-8,785.72	2,266.99	2,667.88	2,522.49	145.39	18.350	
16,600.00	7,663.30	16,800.13	7,823.92	73.10	74.02	-93.45	-8,882.63	2,266.50	2,668.06	2,521.27	146.79	18.176	
16,700.00	7,663.24	16,894.37	7,824.86	73.81	74.69	-93.47	-8,976.86	2,266.17	2,668.40	2,520.24	148.17	18.009	
16,800.00	7,663.17	16,989.69	7,825.90	74.52	75.37	-93.50	-9,072.18	2,266.04	2,668.96	2,519.41	149.56	17.846	
16,900.00	7,663.11	17,089.13	7,826.96	75.23	76.08	-93.52	-9,171.61	2,265.98	2,669.61	2,518.63	150.98	17.682	
17,000.00	7,663.04	17,187.53	7,828.05	75.95	76.79	-93.54	-9,270.00	2,265.95	2,670.28	2,517.88	152.40	17.522	
17,100.00	7,662.97	17,285.79	7,829.24	76.66	77.49	-93.57	-9,368.26	2,266.02	2,671.05	2,517.24	153.81	17.365	
17,200.00	7,662.91	17,391.18	7,830.15	77.38	78.25	-93.59	-9,473.65	2,266.03	2,671.75	2,516.47	155.28	17.206	
17,300.00	7,662.84	17,493.68	7,830.86	78.09	78.98	-93.60	-9,576.15	2,265.82	2,672.23	2,515.49	156.74	17.049	
17,400.00	7,662.77	17,581.64	7,831.82	78.81	79.61	-93.63	-9,664.09	2,265.75	2,672.86	2,514.78	158.08	16.908	
17,500.00	7,662.71	17,690.13	7,833.18	79.53	80.39	-93.66	-9,772.57	2,266.14	2,673.96	2,514.38	159.58	16.756	
17,600.00	7,662.64	17,793.81	7,834.57	80.24	81.14	-93.69	-9,876.25	2,265.74	2,674.29	2,513.24	161.05	16.606	
17,700.00	7,662.58	17,881.91	7,837.95	80.96	81.78	-93.76	-9,964.28	2,265.58	2,674.99	2,512.59	162.40	16.472	
17,800.00	7,662.51	17,966.50	7,841.22	81.68	82.39	-93.83	-10,048.81	2,265.83	2,676.18	2,512.46	163.72	16.346	
17,900.00	7,662.44	18,055.84	7,843.92	82.41	83.04	-93.89	-10,138.10	2,266.67	2,677.95	2,512.87	165.08	16.222	
18,000.00	7,662.38	18,158.10	7,846.27	83.13	83.78	-93.93	-10,240.33	2,267.82	2,679.87	2,513.32	166.55	16.091	
18,100.00	7,662.31	18,281.47	7,845.85	83.85	84.68	-93.92	-10,363.68	2,268.89	2,681.36	2,513.18	168.17	15.944	
18,200.00	7,662.24	18,383.90	7,844.31	84.57	85.42	-93.89	-10,466.10	2,269.22	2,682.22	2,512.57	169.64	15.811	
18,300.00	7,662.18	18,470.57	7,843.52	85.30	86.05	-93.87	-10,552.77	2,269.68	2,683.32	2,512.32	170.99	15.693	
18,400.00	7,662.11	18,613.54	7,845.73	86.02	87.09	-93.92	-10,695.70	2,268.85	2,683.31	2,510.56	172.75	15.533	
18,425.82	7,662.09	18,632.87	7,846.40	86.21	87.23	-93.94	-10,715.02	2,268.66	2,683.28	2,510.20	173.08	15.503	
18,500.00	7,662.04	18,721.41	7,848.62	86.75	87.87	-93.99	-10,803.52	2,267.99	2,683.37	2,509.11	174.26	15.399	
18,600.00	7,661.98	18,849.06	7,842.30	87.47	88.80	-93.86	-10,930.98	2,266.01	2,682.05	2,506.16	175.90	15.248	
18,700.00	7,661.91	18,948.13	7,836.91	88.20	89.52	-93.74	-11,029.89	2,264.20	2,680.50	2,503.15	177.35	15.114	
18,800.00	7,661.85	19,032.76	7,833.23	88.93	90.14	-93.67	-11,114.42	2,262.85	2,679.26	2,500.54	178.72	14.991	
18,900.00	7,661.78	19,125.94	7,828.57	89.65	90.82	-93.57	-11,207.48	2,261.81	2,678.47	2,498.33	180.14	14.869	
19,000.00	7,661.71	19,210.32	7,824.75	90.38	91.43	-93.49	-11,291.77	2,261.15	2,678.04	2,496.55	181.50	14.755	
19,015.51	7,661.70	19,223.13	7,824.18	90.50	91.53	-93.48	-11,304.57	2,261.10	2,678.04	2,496.33	181.71	14.738	
19,100.00	7,661.65	19,282.58	7,821.83	91.11	91.96	-93.43	-11,363.97	2,261.12	2,678.41	2,495.65	182.76	14.655	
19,200.00	7,661.58	19,352.10	7,820.13	91.84	92.47	-93.39	-11,433.47	2,261.84	2,679.93	2,495.94	183.98	14.566	
19,300.00	7,661.51	19,425.06	7,818.87	92.57	93.00	-93.36	-11,506.39	2,263.35	2,682.52	2,497.30	185.22	14.483	
19,400.00	7,661.45	19,535.37	7,816.52	93.30	93.81	-93.31	-11,616.65	2,266.00	2,685.43	2,498.66	186.78	14.378	
19,500.00	7,661.38	19,648.73	7,814.45	94.03	94.65	-93.26	-11,729.97	2,268.12	2,687.82	2,499.47	188.36	14.270	
19,600.00	7,661.32	19,773.40	7,813.83	94.77	95.56	-93.25	-11,854.62	2,269.74	2,689.77	2,499.74	190.02	14.155	
19,700.00	7,661.25	19,962.90	7,817.83	95.50	96.95	-93.34	-12,044.05	2,267.34	2,689.14	2,497.05	192.09	13.999	
19,800.00	7,661.18	20,082.00	7,819.55	96.23	97.82	-93.38	-12,163.06	2,263.28	2,686.40	2,492.75	193.65	13.872	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 6H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,900.00	7,661.12	20,136.03	7,820.46	96.96	98.21	-93.40	-12,217.06	2,261.98	2,684.63	2,489.77	194.85	13.778	
20,000.00	7,661.05	20,220.89	7,821.15	97.70	98.84	-93.42	-12,301.91	2,261.03	2,684.15	2,487.92	196.22	13.679	
20,100.00	7,660.98	20,349.45	7,820.57	98.43	99.78	-93.41	-12,430.46	2,258.96	2,683.14	2,485.27	197.87	13.560	
20,200.00	7,660.92	20,452.24	7,819.62	99.17	100.53	-93.39	-12,533.22	2,256.66	2,681.49	2,482.13	199.36	13.451	
20,300.00	7,660.85	20,551.82	7,818.57	99.90	101.26	-93.38	-12,632.77	2,254.46	2,679.85	2,479.03	200.83	13.344	
20,400.00	7,660.78	20,671.55	7,817.14	100.64	102.14	-93.35	-12,752.45	2,251.38	2,677.85	2,475.44	202.41	13.230	
20,500.00	7,660.72	20,778.61	7,815.74	101.37	102.93	-93.32	-12,859.45	2,247.97	2,675.22	2,471.30	203.92	13.119	
20,600.00	7,660.65	20,860.38	7,814.93	102.11	103.53	-93.31	-12,941.18	2,245.52	2,672.83	2,467.53	205.30	13.019	
20,700.00	7,660.59	20,929.00	7,815.29	102.85	104.03	-93.32	-13,009.78	2,244.14	2,671.48	2,464.90	206.58	12.932	
20,800.00	7,660.52	21,140.39	7,811.54	103.58	105.58	-93.25	-13,220.94	2,237.10	2,668.76	2,460.14	208.62	12.793	
20,900.00	7,660.45	21,212.00	7,808.10	104.32	106.11	-93.18	-13,292.38	2,233.65	2,664.31	2,454.33	209.98	12.688	
21,000.00	7,660.39	21,270.14	7,805.96	105.06	106.54	-93.14	-13,350.44	2,231.57	2,661.19	2,449.94	211.25	12.597	
21,100.00	7,660.32	21,327.49	7,804.47	105.80	106.96	-93.11	-13,407.76	2,230.42	2,659.69	2,447.21	212.47	12.518	
21,145.21	7,660.29	21,353.84	7,804.04	106.13	107.15	-93.10	-13,434.10	2,230.19	2,659.52	2,446.51	213.01	12.485	
21,200.00	7,660.25	21,402.00	7,803.74	106.54	107.51	-93.09	-13,482.27	2,230.21	2,659.85	2,446.07	213.77	12.442	
21,300.00	7,660.19	21,455.45	7,803.73	107.28	107.90	-93.09	-13,535.72	2,230.75	2,661.25	2,446.36	214.89	12.384	
21,400.00	7,660.12	21,548.14	7,803.50	108.02	108.59	-93.09	-13,628.39	2,232.35	2,663.58	2,447.27	216.30	12.314	
21,500.00	7,660.06	21,657.67	7,801.99	108.76	109.40	-93.05	-13,737.89	2,233.99	2,665.63	2,447.76	217.87	12.235	
21,600.00	7,659.99	21,768.09	7,799.79	109.50	110.22	-93.00	-13,848.29	2,235.33	2,667.37	2,447.93	219.44	12.155	
21,700.00	7,659.92	21,857.35	7,798.05	110.24	110.88	-92.97	-13,937.53	2,236.35	2,669.05	2,448.22	220.84	12.086	
21,800.00	7,659.86	21,959.17	7,796.41	110.98	111.64	-92.93	-14,039.32	2,237.77	2,670.99	2,448.66	222.34	12.013	
21,900.00	7,659.79	22,101.08	7,793.95	111.72	112.69	-92.88	-14,181.20	2,238.67	2,672.22	2,448.07	224.16	11.921	
22,000.00	7,659.72	22,293.60	7,790.38	112.46	114.12	-92.81	-14,373.64	2,234.75	2,670.68	2,444.49	226.19	11.807	
22,100.00	7,659.66	22,413.49	7,788.12	113.20	115.00	-92.76	-14,493.40	2,229.70	2,666.99	2,439.22	227.76	11.710	
22,200.00	7,659.59	22,516.79	7,786.31	113.94	115.76	-92.73	-14,596.58	2,224.99	2,662.99	2,433.73	229.26	11.616	
22,300.00	7,659.53	22,608.78	7,784.81	114.69	116.44	-92.70	-14,688.46	2,220.86	2,659.06	2,428.36	230.71	11.526	
22,400.00	7,659.46	22,708.28	7,782.85	115.43	117.17	-92.67	-14,787.86	2,216.64	2,655.36	2,423.17	232.19	11.436	
22,500.00	7,659.39	22,776.77	7,781.50	116.17	117.68	-92.64	-14,856.28	2,214.04	2,652.14	2,418.62	233.53	11.357	
22,600.00	7,659.33	22,841.41	7,780.60	116.91	118.16	-92.62	-14,920.89	2,212.46	2,650.28	2,415.46	234.81	11.287	
22,699.64	7,659.26	22,909.00	7,779.59	117.66	118.66	-92.60	-14,988.47	2,211.71	2,649.71	2,413.63	236.08	11.224	
22,700.00	7,659.26	22,909.00	7,779.59	117.66	118.66	-92.60	-14,988.47	2,211.71	2,649.71	2,413.62	236.08	11.224	
22,800.00	7,659.19	22,975.66	7,778.52	118.40	119.16	-92.58	-15,055.12	2,211.79	2,650.38	2,413.06	237.32	11.168	
22,900.00	7,659.13	23,037.65	7,777.54	119.15	119.62	-92.56	-15,117.10	2,212.63	2,652.32	2,413.84	238.48	11.122	
23,000.00	7,659.06	23,097.00	7,776.70	119.89	120.06	-92.54	-15,176.42	2,214.38	2,655.82	2,416.26	239.56	11.086	
23,091.89	7,659.00	23,150.11	7,775.92	120.57	120.46	-92.52	-15,229.47	2,216.74	2,660.41	2,419.91	240.50	11.062	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 7H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Rule Assigned: Warning
0.00	0.00	0.00	12.20	0.00	0.00	88.67	38.69	1,666.30	1,666.79				
100.00	100.00	83.28	95.48	0.28	0.13	88.67	38.71	1,666.41	1,666.87	1,666.46	0.41	4,083.017	
200.00	200.00	178.13	190.33	0.63	0.28	88.67	38.80	1,666.81	1,667.29	1,666.38	0.92	1,817.835	
300.00	300.00	276.95	289.15	0.99	0.59	88.66	39.06	1,667.45	1,667.94	1,666.35	1.59	1,051.859	
400.00	400.00	383.73	395.92	1.35	0.97	88.64	39.47	1,667.92	1,668.39	1,666.06	2.32	717.599	
500.00	500.00	483.70	495.89	1.71	1.33	88.63	39.75	1,668.14	1,668.62	1,665.57	3.04	548.789	
600.00	600.00	582.11	594.30	2.07	1.68	88.62	40.06	1,668.40	1,668.90	1,665.14	3.75	444.887	
700.00	700.00	678.66	690.85	2.43	2.03	88.61	40.61	1,668.87	1,669.38	1,664.93	4.46	374.701	
800.00	800.00	786.59	798.77	2.79	2.41	88.58	41.47	1,669.21	1,669.73	1,664.53	5.20	321.202	
900.00	900.00	883.92	896.10	3.14	2.76	88.54	42.44	1,669.34	1,669.88	1,663.98	5.90	282.920	
1,000.00	1,000.00	984.11	996.28	3.50	3.12	88.50	43.63	1,669.57	1,670.14	1,663.53	6.62	252.400	
1,100.00	1,100.00	1,097.06	1,109.22	3.86	3.52	88.44	45.50	1,669.44	1,670.09	1,662.71	7.38	226.431	
1,200.00	1,200.00	1,263.46	1,275.46	4.22	4.10	88.25	50.75	1,665.32	1,667.80	1,659.50	8.31	200.707	
1,300.00	1,300.00	1,414.55	1,426.08	4.58	4.63	88.00	57.91	1,655.74	1,661.54	1,652.36	9.18	180.983	
1,400.00	1,400.00	1,555.02	1,565.84	4.94	5.12	87.76	64.29	1,643.17	1,652.76	1,642.75	10.01	165.082	
1,500.00	1,500.00	1,707.67	1,717.18	5.29	5.66	87.45	72.31	1,625.00	1,641.05	1,630.17	10.87	150.913	
1,600.00	1,600.00	1,849.19	1,856.86	5.65	6.16	87.11	80.97	1,604.00	1,626.45	1,614.75	11.70	139.024	
1,700.00	1,700.00	1,945.00	1,951.31	6.01	6.51	86.90	86.11	1,588.76	1,610.82	1,598.42	12.40	129.942	
1,800.00	1,800.00	2,061.35	2,065.96	6.37	6.93	86.65	91.98	1,569.86	1,594.88	1,581.73	13.15	121.276	
1,900.00	1,900.00	2,178.53	2,181.05	6.73	7.35	86.35	98.73	1,548.94	1,577.32	1,563.41	13.91	113.413	
2,000.00	2,000.00	2,273.20	2,273.98	7.09	7.70	86.10	104.43	1,531.77	1,559.58	1,544.98	14.61	106.758	
2,100.00	2,099.98	2,368.54	2,367.52	7.44	8.05	118.64	111.45	1,514.70	1,543.00	1,527.68	15.31	100.775	
2,200.00	2,199.84	2,466.74	2,463.88	7.80	8.41	118.76	118.63	1,497.19	1,528.15	1,512.13	16.02	95.385	
2,300.00	2,299.46	2,563.42	2,558.80	8.16	8.77	118.95	125.10	1,480.04	1,515.02	1,498.29	16.73	90.570	
2,400.00	2,398.96	2,657.23	2,650.99	8.51	9.12	119.00	131.01	1,463.73	1,502.83	1,485.40	17.43	86.219	
2,500.00	2,498.46	2,753.73	2,745.92	8.87	9.47	119.07	136.48	1,447.24	1,490.91	1,472.77	18.14	82.185	
2,600.00	2,597.96	2,848.79	2,839.50	9.23	9.82	119.18	141.02	1,431.18	1,479.13	1,460.28	18.85	78.473	
2,700.00	2,697.46	2,940.71	2,930.00	9.58	10.17	119.24	146.54	1,416.08	1,467.89	1,448.34	19.55	75.081	
2,800.00	2,796.96	3,040.24	3,028.00	9.94	10.54	119.29	152.95	1,399.90	1,456.86	1,436.59	20.27	71.864	
2,900.00	2,896.47	3,137.76	3,124.04	10.30	10.90	119.35	158.83	1,384.01	1,445.77	1,424.78	20.99	68.879	
3,000.00	2,995.97	3,227.36	3,212.38	10.66	11.23	119.44	163.61	1,369.85	1,435.13	1,413.44	21.69	66.171	
3,100.00	3,095.47	3,326.62	3,310.41	11.02	11.60	119.58	168.02	1,354.89	1,425.18	1,402.77	22.41	63.595	
3,200.00	3,194.97	3,438.07	3,420.23	11.38	12.01	119.67	174.38	1,336.99	1,414.29	1,391.13	23.16	61.059	
3,300.00	3,294.47	3,538.32	3,518.92	11.74	12.39	119.73	180.84	1,320.62	1,403.20	1,379.31	23.89	58.737	
3,400.00	3,393.97	3,638.41	3,617.46	12.10	12.76	119.79	187.00	1,304.22	1,392.03	1,367.41	24.62	56.548	
3,500.00	3,493.48	3,731.80	3,709.44	12.46	13.11	119.87	192.54	1,289.04	1,380.99	1,355.66	25.33	54.521	
3,600.00	3,592.98	3,824.87	3,801.11	12.82	13.46	119.90	199.13	1,274.36	1,370.49	1,344.45	26.04	52.626	
3,700.00	3,692.48	3,917.70	3,892.65	13.18	13.80	119.95	205.15	1,260.15	1,360.42	1,333.67	26.75	50.851	
3,800.00	3,791.98	4,020.34	3,993.94	13.54	14.18	120.04	211.20	1,244.74	1,350.63	1,323.14	27.49	49.137	
3,900.00	3,891.48	4,119.02	4,091.23	13.90	14.55	120.09	217.93	1,229.60	1,340.56	1,312.34	28.21	47.516	
4,000.00	3,990.98	4,213.15	4,184.09	14.26	14.90	120.15	223.92	1,215.44	1,330.77	1,301.84	28.93	46.002	
4,100.00	4,090.49	4,301.17	4,271.05	14.62	15.23	120.24	228.94	1,202.76	1,321.59	1,291.96	29.63	44.605	
4,200.00	4,189.99	4,413.52	4,382.09	14.98	15.65	120.36	235.17	1,186.83	1,312.66	1,282.27	30.38	43.201	
4,300.00	4,289.49	4,518.56	4,485.71	15.35	16.04	120.45	241.64	1,170.88	1,302.71	1,271.59	31.12	41.855	
4,400.00	4,388.99	4,606.00	4,572.03	15.71	16.37	120.54	246.63	1,157.91	1,293.11	1,261.28	31.83	40.629	
4,500.00	4,488.49	4,695.46	4,660.50	16.07	16.70	120.66	251.12	1,145.42	1,284.37	1,251.84	32.53	39.481	
4,600.00	4,587.99	4,791.35	4,755.43	16.43	17.05	120.81	255.47	1,132.55	1,276.16	1,242.91	33.25	38.381	
4,700.00	4,687.50	4,883.00	4,846.23	16.79	17.39	120.99	259.06	1,120.67	1,268.40	1,234.45	33.96	37.354	
4,800.00	4,787.00	4,995.32	4,957.47	17.16	17.81	121.18	264.03	1,105.94	1,260.53	1,225.82	34.71	36.313	
4,900.00	4,886.50	5,105.39	5,066.19	17.52	18.22	121.27	270.98	1,090.26	1,251.55	1,216.09	35.46	35.291	
5,000.00	4,986.00	5,196.33	5,155.97	17.88	18.55	121.33	277.29	1,077.16	1,242.47	1,206.29	36.18	34.346	
5,100.00	5,085.50	5,265.00	5,223.89	18.24	18.81	121.38	281.83	1,068.20	1,234.85	1,198.02	36.83	33.530	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 7H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,185.00	5,359.00	5,317.16	18.61	19.16	121.49	287.09	1,057.78	1,229.06	1,191.52	37.54	32.741	
5,300.00	5,284.51	5,426.16	5,383.99	18.97	19.40	121.64	289.68	1,051.71	1,225.13	1,186.97	38.16	32.106	
5,400.00	5,384.01	5,495.81	5,453.45	19.33	19.65	121.84	291.18	1,046.78	1,223.37	1,184.60	38.77	31.558	
5,427.67	5,411.55	5,514.07	5,471.68	19.43	19.71	121.89	291.49	1,045.81	1,223.31	1,184.39	38.92	31.428	
5,500.00	5,483.59	5,563.49	5,521.06	19.69	19.89	122.04	292.19	1,043.87	1,223.89	1,184.55	39.34	31.111	
5,600.00	5,583.41	5,643.00	5,600.55	20.05	20.17	122.19	293.25	1,042.32	1,224.98	1,185.03	39.95	30.666	
5,700.00	5,683.38	5,726.21	5,683.75	20.41	20.45	122.23	294.22	1,041.96	1,225.75	1,185.19	40.56	30.222	
5,800.00	5,783.38	5,823.51	5,781.05	20.76	20.78	89.70	294.95	1,042.07	1,225.89	1,184.65	41.24	29.729	
5,900.00	5,883.38	5,930.08	5,887.61	21.12	21.15	89.68	295.39	1,041.99	1,225.81	1,183.85	41.97	29.209	
6,000.00	5,983.38	6,029.69	5,987.22	21.47	21.49	89.68	295.34	1,041.64	1,225.47	1,182.81	42.66	28.727	
6,100.00	6,083.38	6,127.13	6,084.66	21.83	21.80	89.70	295.02	1,041.51	1,225.33	1,182.00	43.33	28.278	
6,200.00	6,183.38	6,237.86	6,195.39	22.18	22.18	89.70	294.89	1,040.89	1,224.77	1,180.69	44.08	27.785	
6,300.00	6,283.38	6,344.53	6,302.05	22.54	22.55	89.68	295.41	1,039.49	1,223.45	1,178.63	44.82	27.298	
6,400.00	6,383.38	6,452.84	6,410.32	22.89	22.93	89.57	297.59	1,037.56	1,221.69	1,176.13	45.57	26.812	
6,500.00	6,483.38	6,555.63	6,513.06	23.25	23.29	89.48	299.61	1,035.03	1,219.24	1,172.95	46.29	26.342	
6,600.00	6,583.38	6,652.99	6,610.39	23.60	23.63	89.45	300.08	1,032.75	1,216.91	1,169.93	46.98	25.903	
6,700.00	6,683.38	6,744.66	6,702.04	23.96	23.95	89.46	299.89	1,030.98	1,214.97	1,167.33	47.64	25.503	
6,800.00	6,783.38	6,838.68	6,796.05	24.32	24.27	89.51	298.94	1,029.82	1,213.73	1,165.42	48.31	25.125	
6,900.00	6,883.38	6,937.91	6,895.25	24.67	24.60	89.60	296.92	1,028.87	1,212.76	1,163.77	48.99	24.753	
7,000.00	6,983.38	7,033.96	6,991.25	25.03	24.91	89.74	293.91	1,028.07	1,211.91	1,162.25	49.66	24.403	
7,050.18	7,033.55	7,077.54	7,034.81	25.21	25.05	-99.89	292.47	1,027.88	1,211.71	1,161.74	49.97	24.248	CC
7,100.00	7,083.38	7,118.36	7,075.60	25.38	25.19	-99.82	291.12	1,028.00	1,211.83	1,161.57	50.26	24.110	ES
7,200.00	7,182.76	7,204.20	7,161.25	25.70	25.46	-99.68	285.85	1,029.11	1,214.80	1,163.97	50.82	23.903	
7,300.00	7,278.91	7,293.03	7,248.50	25.99	25.73	-99.36	269.73	1,031.17	1,221.70	1,170.33	51.37	23.781	
7,400.00	7,368.92	7,373.41	7,324.82	26.25	25.95	-98.75	244.80	1,033.87	1,232.48	1,180.64	51.84	23.773	
7,500.00	7,450.04	7,454.93	7,398.71	26.46	26.16	-97.93	210.76	1,038.33	1,247.90	1,195.61	52.30	23.862	
7,600.00	7,519.81	7,591.62	7,515.41	26.65	26.48	-97.74	140.10	1,044.81	1,265.35	1,212.34	53.00	23.873	
7,700.00	7,576.11	7,730.32	7,622.90	26.83	26.76	-97.81	52.62	1,045.53	1,280.53	1,226.91	53.62	23.882	
7,800.00	7,617.23	7,801.00	7,671.78	26.99	26.91	-96.93	1.62	1,046.36	1,299.11	1,245.16	53.95	24.081	
7,900.00	7,643.30	7,887.57	7,722.65	27.11	27.09	-96.63	-68.23	1,049.24	1,321.43	1,267.17	54.26	24.353	
8,000.00	7,660.07	8,114.41	7,800.22	27.23	27.47	-97.26	-280.07	1,050.36	1,338.98	1,284.20	54.78	24.441	
8,100.00	7,668.19	8,190.46	7,809.22	27.34	27.58	-96.48	-355.54	1,050.29	1,355.92	1,300.93	54.99	24.656	
8,200.00	7,668.96	8,295.81	7,806.73	27.45	27.73	-95.83	-460.78	1,052.09	1,373.49	1,318.25	55.24	24.863	
8,300.00	7,668.89	8,398.83	7,803.80	27.58	27.89	-95.62	-563.73	1,053.79	1,387.99	1,332.47	55.52	24.999	
8,400.00	7,668.82	8,562.34	7,805.45	27.72	28.18	-95.62	-727.19	1,051.16	1,396.03	1,340.04	55.99	24.934	
8,500.00	7,668.76	8,696.63	7,807.82	27.89	28.45	-95.71	-861.28	1,044.36	1,397.37	1,340.91	56.46	24.752	
8,600.00	7,668.69	8,807.30	7,809.94	28.07	28.71	-95.83	-971.67	1,036.70	1,393.39	1,336.48	56.90	24.486	
8,700.00	7,668.62	8,891.72	7,810.27	28.26	28.91	-95.87	-1,055.91	1,031.22	1,387.65	1,330.34	57.30	24.217	
8,800.00	7,668.55	8,965.99	7,809.91	28.48	29.10	-95.87	-1,130.09	1,027.67	1,383.49	1,325.80	57.69	23.983	
8,900.00	7,668.49	9,046.00	7,809.18	28.71	29.32	-95.85	-1,210.07	1,025.62	1,381.38	1,323.26	58.12	23.768	
8,955.71	7,668.45	9,077.37	7,808.86	28.85	29.40	-95.84	-1,241.44	1,025.32	1,381.04	1,322.72	58.32	23.681	
9,000.00	7,668.42	9,109.99	7,808.54	28.96	29.50	-95.82	-1,274.06	1,025.29	1,381.23	1,322.72	58.51	23.607	
9,100.00	7,668.35	9,186.70	7,807.86	29.23	29.72	-95.79	-1,350.76	1,026.21	1,382.96	1,323.99	58.97	23.452	
9,200.00	7,668.29	9,267.92	7,807.19	29.51	29.97	-95.75	-1,431.94	1,028.44	1,386.22	1,326.75	59.47	23.309	
9,300.00	7,668.22	9,355.01	7,806.56	29.81	30.24	-95.71	-1,518.96	1,031.80	1,390.62	1,330.59	60.03	23.166	
9,400.00	7,668.15	9,448.60	7,805.99	30.13	30.55	-95.67	-1,612.45	1,036.02	1,395.67	1,335.03	60.65	23.013	
9,500.00	7,668.09	9,546.08	7,805.37	30.46	30.88	-95.63	-1,709.82	1,040.72	1,401.04	1,339.73	61.32	22.850	
9,600.00	7,668.02	9,643.69	7,804.55	30.81	31.23	-95.58	-1,807.31	1,045.51	1,406.48	1,344.47	62.01	22.680	
9,700.00	7,667.95	9,735.31	7,803.90	31.18	31.57	-95.53	-1,898.80	1,050.38	1,412.34	1,349.64	62.70	22.524	
9,800.00	7,667.89	9,848.52	7,802.87	31.56	32.01	-95.47	-2,011.82	1,056.83	1,418.63	1,355.07	63.56	22.320	
9,900.00	7,667.82	9,984.08	7,800.80	31.95	32.55	-95.37	-2,147.29	1,061.20	1,422.23	1,357.64	64.59	22.018	
10,000.00	7,667.75	10,086.57	7,798.89	32.35	32.98	-95.28	-2,249.74	1,063.42	1,424.85	1,359.41	65.44	21.772	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 7H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	7,667.69	10,192.95	7,797.26	32.77	33.44	-95.21	-2,356.09	1,065.32	1,427.12	1,360.78	66.34	21.511	
10,200.00	7,667.62	10,290.62	7,795.72	33.20	33.88	-95.14	-2,453.73	1,066.97	1,429.29	1,362.09	67.21	21.267	
10,300.00	7,667.55	10,387.97	7,794.23	33.64	34.32	-95.08	-2,551.05	1,068.78	1,431.64	1,363.55	68.09	21.026	
10,400.00	7,667.48	10,492.12	7,792.51	34.10	34.81	-95.00	-2,655.17	1,070.85	1,434.12	1,365.08	69.05	20.771	
10,500.00	7,667.42	10,613.53	7,790.40	34.56	35.39	-94.91	-2,776.56	1,071.91	1,435.46	1,365.31	70.15	20.463	
10,600.00	7,667.35	10,720.89	7,788.97	35.04	35.91	-94.86	-2,883.91	1,071.67	1,435.76	1,364.58	71.17	20.173	
10,700.00	7,667.28	10,822.60	7,787.55	35.52	36.42	-94.80	-2,985.60	1,071.23	1,435.84	1,363.66	72.17	19.894	
10,800.00	7,667.22	10,916.12	7,786.16	36.02	36.89	-94.75	-3,079.12	1,070.95	1,436.05	1,362.92	73.13	19.637	
10,900.00	7,667.15	11,020.12	7,784.70	36.52	37.43	-94.69	-3,183.10	1,070.84	1,436.47	1,362.28	74.18	19.364	
11,000.00	7,667.08	11,106.43	7,783.51	37.04	37.88	-94.65	-3,269.41	1,070.94	1,437.11	1,362.00	75.11	19.132	
11,100.00	7,667.02	11,217.20	7,782.77	37.56	38.46	-94.62	-3,380.17	1,071.30	1,438.04	1,361.78	76.26	18.858	
11,200.00	7,666.95	11,322.08	7,782.68	38.09	39.03	-94.62	-3,485.05	1,070.89	1,438.27	1,360.90	77.37	18.589	
11,300.00	7,666.88	11,423.03	7,782.49	38.63	39.58	-94.61	-3,586.00	1,070.28	1,438.28	1,359.81	78.47	18.330	
11,400.00	7,666.82	11,524.47	7,782.48	39.17	40.14	-94.61	-3,687.44	1,069.68	1,438.33	1,358.75	79.58	18.073	
11,500.00	7,666.75	11,632.11	7,782.33	39.72	40.74	-94.61	-3,795.06	1,068.52	1,437.87	1,357.11	80.76	17.803	
11,600.00	7,666.68	11,727.31	7,782.05	40.28	41.28	-94.60	-3,890.26	1,067.39	1,437.31	1,355.45	81.85	17.559	
11,638.69	7,666.66	11,761.77	7,782.01	40.50	41.47	-94.60	-3,924.72	1,067.12	1,437.25	1,354.99	82.26	17.472	
11,700.00	7,666.62	11,817.58	7,782.01	40.85	41.79	-94.60	-3,980.53	1,066.88	1,437.38	1,354.46	82.91	17.336	
11,800.00	7,666.55	11,911.31	7,782.00	41.42	42.33	-94.60	-4,074.26	1,066.89	1,438.01	1,354.00	84.01	17.117	
11,900.00	7,666.48	12,016.39	7,781.96	42.00	42.94	-94.60	-4,179.34	1,067.08	1,438.83	1,353.60	85.22	16.883	
12,000.00	7,666.41	12,126.22	7,781.86	42.58	43.59	-94.60	-4,289.17	1,066.43	1,438.86	1,352.37	86.49	16.636	
12,100.00	7,666.35	12,218.94	7,781.49	43.17	44.14	-94.59	-4,381.89	1,065.77	1,438.45	1,350.84	87.61	16.418	
12,200.00	7,666.28	12,320.27	7,781.16	43.77	44.75	-94.60	-4,483.21	1,065.57	1,435.63	1,346.80	88.83	16.162	
12,300.00	7,666.21	12,418.57	7,780.81	44.37	45.34	-94.62	-4,581.51	1,065.13	1,429.09	1,339.07	90.02	15.874	
12,400.00	7,666.14	12,522.12	7,780.26	44.97	45.97	-94.63	-4,685.06	1,064.74	1,420.63	1,329.35	91.28	15.563	
12,500.00	7,666.07	12,619.91	7,779.95	45.58	46.57	-94.65	-4,782.85	1,064.20	1,411.99	1,319.50	92.50	15.266	
12,600.00	7,666.00	12,721.23	7,779.57	46.20	47.20	-94.66	-4,884.16	1,063.69	1,403.41	1,309.66	93.75	14.969	
12,700.00	7,665.93	12,817.00	7,778.89	46.82	47.80	-94.66	-4,979.93	1,063.30	1,394.89	1,299.93	94.96	14.689	
12,800.00	7,665.86	12,910.00	7,777.91	47.44	48.38	-94.65	-5,072.93	1,063.44	1,387.20	1,291.05	96.15	14.427	
12,900.00	7,665.79	12,992.41	7,776.98	48.07	48.90	-94.61	-5,155.33	1,064.28	1,383.27	1,286.03	97.24	14.225	
12,989.29	7,665.73	13,101.40	7,775.95	48.64	49.59	-94.57	-5,264.30	1,065.28	1,382.66	1,284.09	98.57	14.027	
13,000.00	7,665.72	13,112.59	7,775.84	48.70	49.66	-94.57	-5,275.50	1,065.29	1,382.68	1,283.97	98.71	14.007	
13,100.00	7,665.65	13,217.47	7,774.71	49.34	50.33	-94.52	-5,380.37	1,064.99	1,384.42	1,284.39	100.03	13.840	
13,200.00	7,665.58	13,308.56	7,773.74	49.98	50.92	-94.47	-5,471.45	1,065.03	1,389.97	1,288.75	101.22	13.732	
13,300.00	7,665.51	13,406.63	7,774.69	50.61	51.55	-94.49	-5,569.51	1,065.33	1,399.10	1,296.61	102.49	13.652	
13,400.00	7,665.44	13,510.52	7,776.38	51.25	52.23	-94.53	-5,673.39	1,065.32	1,408.53	1,304.71	103.82	13.567	
13,500.00	7,665.37	13,611.59	7,777.84	51.89	52.89	-94.57	-5,774.45	1,065.24	1,417.89	1,312.76	105.13	13.487	
13,600.00	7,665.30	13,713.90	7,779.85	52.54	53.56	-94.62	-5,876.74	1,064.87	1,427.00	1,320.53	106.46	13.404	
13,700.00	7,665.23	13,808.29	7,781.77	53.19	54.18	-94.67	-5,971.11	1,064.56	1,436.16	1,328.43	107.72	13.332	
13,800.00	7,665.16	13,914.10	7,783.52	53.84	54.88	-94.71	-6,076.91	1,064.56	1,444.13	1,335.03	109.10	13.237	
13,900.00	7,665.09	14,020.36	7,784.94	54.50	55.59	-94.75	-6,183.16	1,063.74	1,447.82	1,337.33	110.49	13.103	
14,000.00	7,665.03	14,109.29	7,786.58	55.16	56.18	-94.81	-6,272.07	1,063.18	1,448.57	1,336.85	111.72	12.966	
14,100.00	7,664.96	14,203.44	7,788.52	55.83	56.81	-94.89	-6,366.20	1,063.30	1,449.50	1,336.49	113.00	12.827	
14,200.00	7,664.90	14,306.60	7,790.26	56.49	57.50	-94.96	-6,469.34	1,063.51	1,450.48	1,336.10	114.39	12.680	
14,300.00	7,664.83	14,408.42	7,793.35	57.16	58.19	-95.08	-6,571.11	1,063.36	1,451.24	1,335.47	115.77	12.535	
14,400.00	7,664.76	14,507.77	7,796.33	57.84	58.87	-95.20	-6,670.41	1,063.18	1,451.96	1,334.83	117.13	12.396	
14,500.00	7,664.70	14,617.07	7,800.13	58.51	59.61	-95.35	-6,779.65	1,062.58	1,452.36	1,333.76	118.60	12.246	
14,600.00	7,664.63	14,711.08	7,802.89	59.19	60.25	-95.46	-6,873.61	1,062.03	1,452.69	1,332.77	119.91	12.114	
14,700.00	7,664.56	14,806.85	7,804.97	59.87	60.91	-95.54	-6,969.37	1,061.92	1,453.42	1,332.18	121.24	11.988	
14,800.00	7,664.50	14,918.98	7,806.64	60.55	61.67	-95.61	-7,081.48	1,061.57	1,453.89	1,331.14	122.75	11.845	
14,900.00	7,664.43	15,023.84	7,807.95	61.24	62.39	-95.67	-7,186.32	1,060.31	1,453.44	1,329.27	124.17	11.705	
14,936.80	7,664.41	15,055.70	7,808.44	61.49	62.61	-95.69	-7,218.18	1,060.00	1,453.38	1,328.75	124.63	11.661	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 7H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,000.00	7,664.37	15,112.07	7,809.46	61.92	63.00	-95.73	-7,274.54	1,059.69	1,453.55	1,328.11	125.43	11.588	
15,100.00	7,664.30	15,201.88	7,811.30	62.61	63.62	-95.80	-7,364.33	1,059.64	1,454.33	1,327.62	126.71	11.478	
15,200.00	7,664.23	15,293.02	7,812.89	63.30	64.25	-95.86	-7,455.45	1,060.37	1,455.93	1,327.93	128.00	11.375	
15,300.00	7,664.17	15,396.64	7,814.86	63.99	64.97	-95.93	-7,559.05	1,061.16	1,457.52	1,328.08	129.44	11.260	
15,400.00	7,664.10	15,490.81	7,816.43	64.68	65.62	-95.99	-7,653.20	1,061.96	1,459.18	1,328.42	130.77	11.159	
15,500.00	7,664.03	15,592.24	7,818.50	65.37	66.33	-96.07	-7,754.61	1,063.32	1,461.36	1,329.18	132.18	11.055	
15,600.00	7,663.97	15,715.09	7,821.22	66.07	67.19	-96.17	-7,877.42	1,063.45	1,462.32	1,328.47	133.85	10.925	
15,700.00	7,663.90	15,828.35	7,822.73	66.77	67.98	-96.24	-7,990.66	1,062.32	1,462.11	1,326.71	135.39	10.799	
15,800.00	7,663.83	15,933.36	7,822.89	67.47	68.71	-96.25	-8,095.66	1,060.77	1,461.29	1,324.45	136.84	10.679	
15,900.00	7,663.77	16,034.57	7,822.79	68.17	69.42	-96.25	-8,196.85	1,059.03	1,460.20	1,321.95	138.25	10.562	
16,000.00	7,663.70	16,121.42	7,822.62	68.87	70.03	-96.25	-8,283.70	1,057.99	1,459.62	1,320.09	139.53	10.461	
16,100.00	7,663.64	16,222.23	7,822.74	69.57	70.74	-96.26	-8,384.51	1,057.14	1,459.43	1,318.49	140.95	10.355	
16,200.00	7,663.57	16,322.91	7,823.55	70.27	71.45	-96.29	-8,485.18	1,056.16	1,459.19	1,316.82	142.37	10.249	
16,300.00	7,663.50	16,421.07	7,824.52	70.98	72.14	-96.34	-8,583.33	1,055.19	1,458.94	1,315.18	143.77	10.148	
16,324.42	7,663.49	16,443.55	7,824.74	71.15	72.30	-96.35	-8,605.81	1,055.00	1,458.93	1,314.84	144.09	10.125	
16,400.00	7,663.44	16,515.58	7,825.41	71.69	72.81	-96.37	-8,677.83	1,054.60	1,459.06	1,313.94	145.13	10.054	
16,500.00	7,663.37	16,624.86	7,826.40	72.39	73.59	-96.42	-8,787.10	1,053.87	1,459.15	1,312.50	146.65	9.950	
16,600.00	7,663.30	16,738.49	7,827.14	73.10	74.39	-96.45	-8,900.71	1,051.90	1,458.11	1,309.90	148.21	9.838	
16,700.00	7,663.24	16,832.89	7,827.54	73.81	75.06	-96.48	-8,995.09	1,050.05	1,456.86	1,307.28	149.58	9.740	
16,800.00	7,663.17	16,924.53	7,826.93	74.52	75.71	-96.46	-9,086.73	1,048.97	1,456.24	1,305.33	150.91	9.650	
16,900.00	7,663.11	17,021.53	7,826.11	75.23	76.40	-96.43	-9,183.72	1,048.23	1,456.02	1,303.72	152.30	9.560	
17,000.00	7,663.04	17,121.82	7,824.92	75.95	77.12	-96.38	-9,284.00	1,047.56	1,455.86	1,302.13	153.73	9.470	
17,100.00	7,662.97	17,223.17	7,823.75	76.66	77.84	-96.34	-9,385.34	1,046.82	1,455.64	1,300.47	155.17	9.381	
17,200.00	7,662.91	17,322.00	7,823.70	77.38	78.55	-96.34	-9,484.17	1,045.94	1,455.38	1,298.80	156.59	9.294	
17,300.00	7,662.84	17,429.24	7,823.61	78.09	79.31	-96.34	-9,591.40	1,044.85	1,455.01	1,296.92	158.09	9.203	
17,400.00	7,662.77	17,524.18	7,823.76	78.81	79.99	-96.36	-9,686.34	1,043.70	1,454.45	1,294.97	159.48	9.120	
17,500.00	7,662.71	17,626.46	7,824.71	79.53	80.73	-96.40	-9,788.60	1,042.53	1,454.05	1,293.11	160.94	9.035	
17,600.00	7,662.64	17,731.18	7,825.49	80.24	81.48	-96.43	-9,893.31	1,041.12	1,453.44	1,291.00	162.43	8.948	
17,700.00	7,662.58	17,844.49	7,826.50	80.96	82.29	-96.48	-10,006.59	1,038.66	1,452.00	1,287.99	164.01	8.853	
17,800.00	7,662.51	17,947.73	7,827.31	81.68	83.03	-96.53	-10,109.79	1,036.11	1,450.27	1,284.78	165.48	8.764	
17,900.00	7,662.44	18,053.57	7,828.10	82.41	83.80	-96.57	-10,215.58	1,032.90	1,447.97	1,280.99	166.98	8.671	
18,000.00	7,662.38	18,145.59	7,829.47	83.13	84.46	-96.64	-10,307.55	1,030.11	1,445.78	1,277.42	168.36	8.587	
18,100.00	7,662.31	18,233.25	7,830.42	83.85	85.09	-96.68	-10,395.18	1,028.23	1,444.40	1,274.71	169.69	8.512	
18,200.00	7,662.24	18,329.07	7,831.43	84.57	85.78	-96.73	-10,490.99	1,026.86	1,443.73	1,272.62	171.11	8.438	
18,300.00	7,662.18	18,433.78	7,832.35	85.30	86.54	-96.77	-10,595.68	1,025.17	1,442.87	1,270.26	172.61	8.359	
18,400.00	7,662.11	18,537.97	7,832.57	86.02	87.30	-96.79	-10,699.86	1,023.29	1,441.73	1,267.63	174.10	8.281	
18,500.00	7,662.04	18,635.93	7,831.62	86.75	88.01	-96.76	-10,797.79	1,021.51	1,440.45	1,264.92	175.53	8.206	
18,600.00	7,661.98	18,747.87	7,827.46	87.47	88.82	-96.61	-10,909.63	1,019.68	1,439.04	1,261.97	177.08	8.127	
18,700.00	7,661.91	18,839.16	7,823.94	88.20	89.48	-96.47	-11,000.84	1,017.90	1,437.31	1,258.88	178.43	8.055	
18,800.00	7,661.85	18,945.14	7,821.47	88.93	90.25	-96.38	-11,106.77	1,015.89	1,435.81	1,255.87	179.93	7.980	
18,900.00	7,661.78	19,057.06	7,820.34	89.65	91.06	-96.35	-11,218.64	1,012.82	1,433.59	1,252.10	181.49	7.899	
19,000.00	7,661.71	19,157.83	7,819.24	90.38	91.80	-96.32	-11,319.35	1,009.41	1,430.75	1,247.80	182.95	7.821	
19,100.00	7,661.65	19,239.60	7,818.24	91.11	92.39	-96.29	-11,401.08	1,007.35	1,428.74	1,244.50	184.24	7.755	
19,200.00	7,661.58	19,328.15	7,817.11	91.84	93.04	-96.25	-11,489.61	1,006.05	1,427.77	1,242.19	185.58	7.694	
19,300.00	7,661.51	19,431.45	7,815.77	92.57	93.79	-96.21	-11,592.90	1,004.78	1,427.04	1,239.97	187.07	7.628	
19,400.00	7,661.45	19,528.93	7,814.57	93.30	94.50	-96.16	-11,690.36	1,003.55	1,426.29	1,237.79	188.50	7.567	
19,500.00	7,661.38	19,624.51	7,813.51	94.03	95.20	-96.13	-11,785.94	1,002.59	1,425.81	1,235.90	189.91	7.508	
19,600.00	7,661.32	19,720.69	7,812.40	94.77	95.90	-96.08	-11,882.10	1,001.85	1,425.56	1,234.23	191.33	7.451	
19,610.18	7,661.31	19,729.87	7,812.29	94.84	95.97	-96.08	-11,891.29	1,001.80	1,425.55	1,234.09	191.46	7.446	
19,700.00	7,661.25	19,812.43	7,811.13	95.50	96.58	-96.03	-11,973.84	1,001.65	1,425.82	1,233.13	192.69	7.400	
19,800.00	7,661.18	19,909.71	7,810.13	96.23	97.29	-95.99	-12,071.11	1,001.69	1,426.39	1,232.27	194.12	7.348	
19,900.00	7,661.12	20,003.51	7,809.30	96.96	97.98	-95.96	-12,164.91	1,002.08	1,427.35	1,231.84	195.51	7.301	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Offset Design: Wigeon 23-26-35 Federal Com - Wigeon 23-35 Federal Com 7H - OH - Svy

Offset Site Error: 0.00 usft

Survey Program: 200-MWD+IFR1+MS

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,000.00	7,661.05	20,105.42	7,808.44	97.70	98.72	-95.92	-12,266.81	1,002.68	1,428.48	1,231.49	196.99	7.251	
20,100.00	7,660.98	20,211.90	7,807.30	98.43	99.51	-95.88	-12,373.29	1,002.88	1,429.19	1,230.65	198.54	7.199	
20,200.00	7,660.92	20,310.96	7,807.59	99.17	100.23	-95.89	-12,472.34	1,002.75	1,429.72	1,229.72	200.00	7.149	
20,300.00	7,660.85	20,402.85	7,807.72	99.90	100.91	-95.89	-12,564.23	1,002.91	1,430.55	1,229.18	201.37	7.104	
20,400.00	7,660.78	20,499.37	7,807.86	100.64	101.62	-95.89	-12,660.75	1,003.72	1,432.03	1,229.23	202.80	7.061	
20,500.00	7,660.72	20,608.40	7,808.74	101.37	102.42	-95.93	-12,769.77	1,004.15	1,433.14	1,228.75	204.39	7.012	
20,600.00	7,660.65	20,708.25	7,809.58	102.11	103.16	-95.96	-12,869.62	1,004.12	1,433.84	1,227.97	205.87	6.965	
20,700.00	7,660.59	20,816.16	7,809.63	102.85	103.95	-95.96	-12,977.53	1,004.14	1,434.50	1,227.06	207.44	6.915	
20,800.00	7,660.52	20,918.55	7,809.51	103.58	104.71	-95.96	-13,079.92	1,003.62	1,434.61	1,225.67	208.94	6.866	
20,900.00	7,660.45	21,031.44	7,809.20	104.32	105.54	-95.95	-13,192.80	1,002.46	1,434.20	1,223.65	210.55	6.812	
21,000.00	7,660.39	21,123.31	7,808.13	105.06	106.22	-95.91	-13,284.66	1,001.51	1,433.68	1,221.74	211.94	6.765	
21,100.00	7,660.32	21,220.81	7,806.38	105.80	106.94	-95.85	-13,382.14	1,000.97	1,433.57	1,220.20	213.38	6.718	
21,200.00	7,660.25	21,326.47	7,804.43	106.54	107.72	-95.77	-13,487.78	1,000.06	1,433.16	1,218.26	214.91	6.669	
21,266.84	7,660.21	21,386.67	7,803.38	107.03	108.16	-95.73	-13,547.97	999.64	1,433.01	1,217.19	215.82	6.640	
21,300.00	7,660.19	21,418.60	7,802.84	107.28	108.40	-95.71	-13,579.89	999.52	1,433.03	1,216.74	216.29	6.625	
21,400.00	7,660.12	21,520.81	7,800.81	108.02	109.15	-95.63	-13,682.08	999.13	1,433.10	1,215.31	217.79	6.580	
21,494.77	7,660.06	21,614.65	7,798.61	108.72	109.85	-95.55	-13,775.90	998.53	1,432.88	1,213.71	219.17	6.538	
21,500.00	7,660.06	21,618.98	7,798.52	108.76	109.88	-95.55	-13,780.22	998.52	1,432.88	1,213.65	219.24	6.536	
21,600.00	7,659.99	21,708.42	7,797.23	109.50	110.54	-95.49	-13,869.65	998.63	1,433.49	1,212.90	220.59	6.499	
21,700.00	7,659.92	21,817.02	7,796.47	110.24	111.35	-95.46	-13,978.25	998.56	1,433.99	1,211.82	222.17	6.455	
21,800.00	7,659.86	21,927.40	7,796.16	110.98	112.16	-95.46	-14,088.63	997.74	1,433.86	1,210.09	223.76	6.408	
21,900.00	7,659.79	22,029.23	7,795.64	111.72	112.92	-95.44	-14,190.45	996.42	1,433.16	1,207.89	225.26	6.362	
21,991.74	7,659.73	22,111.63	7,795.59	112.40	113.53	-95.44	-14,272.84	995.56	1,432.79	1,206.27	226.52	6.325	
22,000.00	7,659.72	22,118.78	7,795.58	112.46	113.58	-95.44	-14,279.99	995.52	1,432.80	1,206.16	226.63	6.322	
22,100.00	7,659.66	22,217.97	7,795.26	113.20	114.32	-95.43	-14,379.18	995.19	1,433.07	1,204.96	228.10	6.283	
22,200.00	7,659.59	22,307.93	7,795.27	113.94	114.98	-95.43	-14,469.14	994.91	1,433.40	1,203.94	229.47	6.247	
22,300.00	7,659.53	22,402.89	7,795.80	114.69	115.69	-95.45	-14,564.09	995.33	1,434.53	1,203.64	230.89	6.213	
22,400.00	7,659.46	22,497.15	7,795.89	115.43	116.39	-95.45	-14,658.36	995.99	1,435.88	1,203.58	232.30	6.181	
22,500.00	7,659.39	22,611.67	7,796.52	116.17	117.24	-95.48	-14,772.87	996.48	1,436.99	1,203.01	233.98	6.142	
22,600.00	7,659.33	22,708.52	7,796.51	116.91	117.96	-95.48	-14,869.72	996.59	1,437.73	1,202.30	235.43	6.107	
22,700.00	7,659.26	22,814.70	7,796.19	117.66	118.75	-95.46	-14,975.90	996.57	1,438.32	1,201.33	236.99	6.069	
22,800.00	7,659.19	22,919.23	7,796.19	118.40	119.52	-95.47	-15,080.43	996.07	1,438.48	1,199.96	238.53	6.031	
22,900.00	7,659.13	23,026.63	7,796.09	119.15	120.32	-95.46	-15,187.83	995.24	1,438.34	1,198.24	240.10	5.991	
23,000.00	7,659.06	23,132.02	7,795.50	119.89	121.11	-95.45	-15,293.20	993.90	1,437.66	1,196.02	241.64	5.950	
23,076.07	7,659.01	23,196.00	7,794.51	120.46	121.58	-95.41	-15,357.17	993.01	1,437.04	1,194.40	242.64	5.923	
23,091.89	7,659.00	23,196.00	7,794.51	120.57	121.58	-95.41	-15,357.17	993.01	1,437.12	1,194.44	242.68	5.922	SF

Total Directional

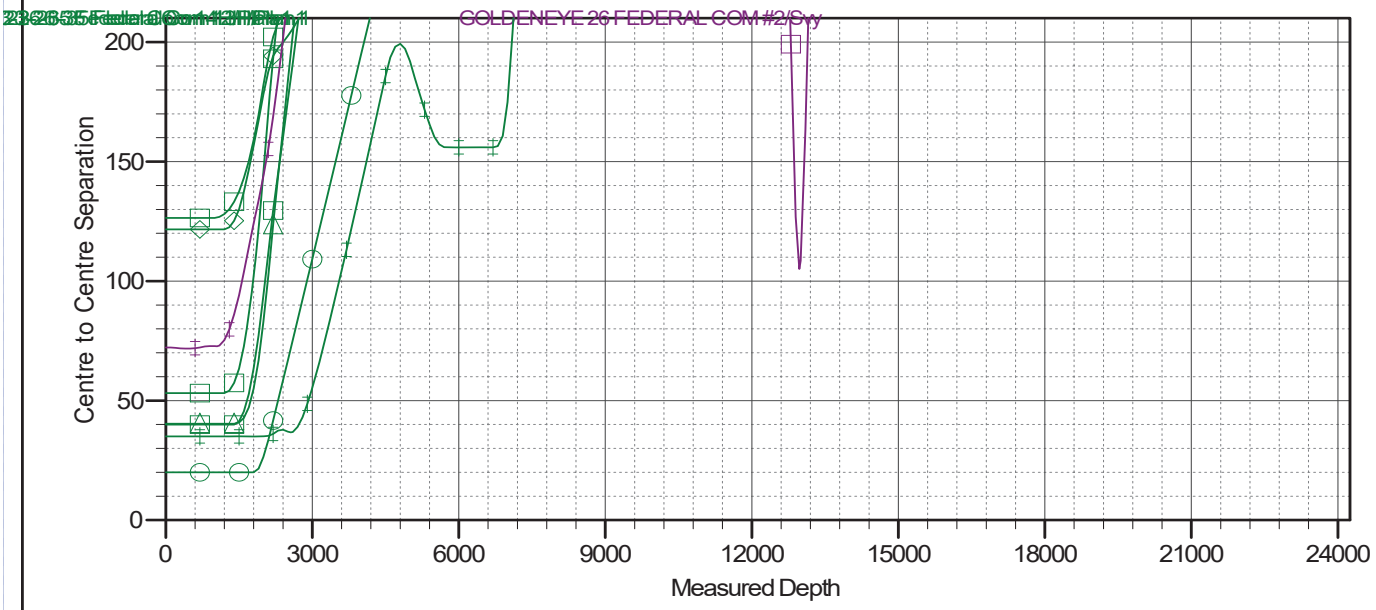
Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to 3300.2' GL + 23 @ 3323.20usft (Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.3333333

Coordinates are relative to: Pintail 23-26-35 Federal Com 17H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.04°

Ladder Plot



LEGEND

- GOLDENEYE 26 FEDERAL COM #2, OH, Svy V0
- Bonnie 35 Fed Com 001H, OH, Svy V0
- Wigeon 23 Fed Com #2, OH, Cone V0
- Pintail 23 Fed Com 001H, ST01, ST01 Svy V0
- Pintail 23 Fed Com 001H, OH, OH Svy V0
- Pintail 23 Fed Com 005Y, OH, Svy V0
- Pintail 23-26-35 Federal Com 13H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 15H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 12H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 16H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 14H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 11H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 19H, OH, Plan 1 V0
- Wigeon 23-26 Federal Com 5H, OH, Svy V0
- Wigeon 23-26 Federal Com 3H, OH, Svy V0
- Wigeon 23-35 Federal Com 7H, OH, Svy V0
- Wigeon 23-35 Federal Com 6H, OH, Svy V0
- OLD - Wigeon 23-35 Federal Com 10H, OH, Prelim A V0
- Pintail 23-26 Fed Com 10H, OH, Svy V0
- OLD - Wigeon 23-35 Federal Com 8H, OH, Prelim A V0
- Wigeon 23 Fed Com 004H, OH, Svy V0
- Wigeon 23 Fed Com #1, Wellbore #1, Cone V0
- Bonnie 35 Fed Com 004H, OH, Svy V0

Total Directional

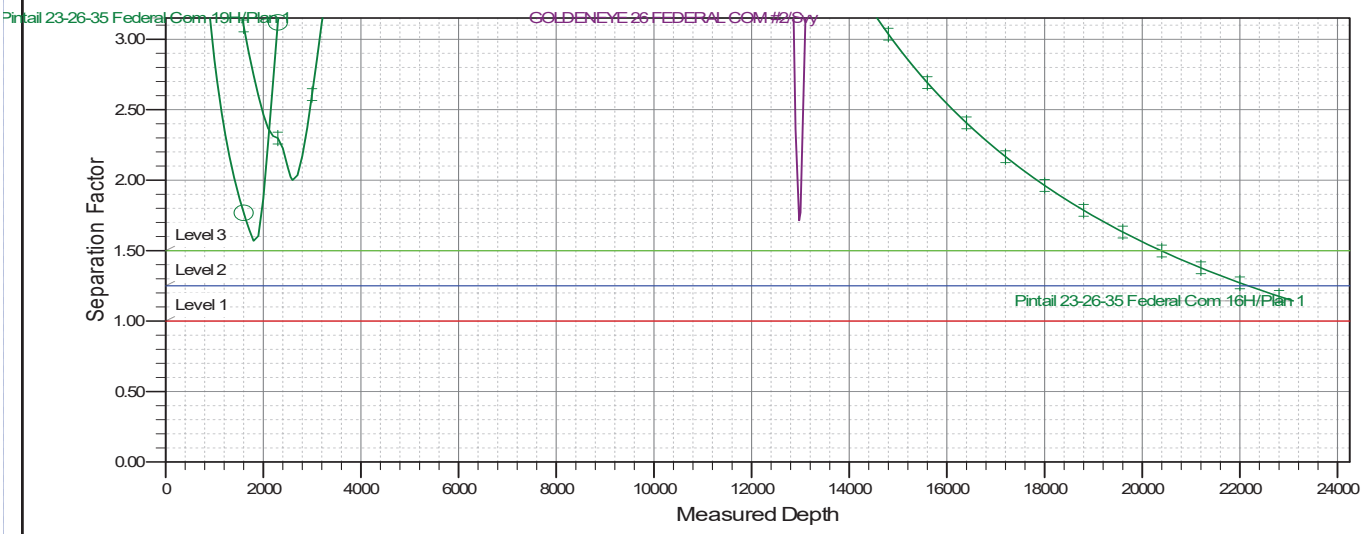
Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 17H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.2' GL + 23 @ 3323.20usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 17H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	.Total Directional Production DB
Reference Design:	Plan 1	**Offset TVD Reference:**	Reference Datum

Reference Depths are relative to 3300.2' GL + 23 @ 3323.20usft (Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.3333333

Coordinates are relative to: Pintail 23-26-35 Federal Com 17H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.04°

Separation Factor Plot



LEGEND

- GOLDENEYE 26 FEDERAL COM #2, OH, Svy V0
- Bonnie 35 Fed Com 001H, OH, Svy V0
- Wigeon 23 Fed Com #2, OH, Cone V0
- Pintail 23 Fed Com 001H, ST01, ST01 Svy V0
- Pintail 23 Fed Com 001H, OH, OH Svy V0
- Pintail 23 Fed Com 005Y, OH, Svy V0
- Pintail 23-26-35 Federal Com 13H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 15H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 12H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 16H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 14H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 11H, OH, Plan 1 V0
- Pintail 23-26-35 Federal Com 19H, OH, Plan 1 V0
- Wigeon 23-26 Federal Com 5H, OH, Svy V0
- Wigeon 23-26 Federal Com 3H, OH, Svy V0
- Wigeon 23-35 Federal Com 7H, OH, Svy V0
- Wigeon 23-35 Federal Com 6H, OH, Svy V0
- OLD - Wigeon 23-35 Federal Com 10H, OH, Prelim A V0
- Pintail 23-26 Fed Com 10H, OH, Svy V0
- OLD - Wigeon 23-35 Federal Com 8H, OH, Prelim A V0
- Wigeon 23 Fed Com 004H, OH, Svy V0
- Wigeon 23 Fed Com #1, Wellbore #1, Cone V0
- Bonnie 35 Fed Com 004H, OH, Svy V0

1. Geological Formations

TVD of target 7,659
MD at TD 23,091

Pilot Hole TD N/A
Deepest expected fresh water

Formation	Depth (TVD) from KB	Water/Mineral Bearing/Target Zone	Hazards
Rustler	438	N/A	
Top of Salt	1086	N/A	
Base of Salt	1676	N/A	
Anhydrite	1889	N/A	
Lamar	1903	N/A	
Bell Canyon	2026	N/A	
Cherry Canyon	2701	N/A	
Brushy Canyon	3817	N/A	
Bone Spring Lime	5494	N/A	
Leonard Shale	5657	N/A	
1st Bone Spring Sand	6393	N/A	
2nd Bone Spring Sand	6919	N/A	
3rd Bone Spring Carb	7304	Hydrocarbons	
3rd Bone Spring Carb - Target	7669	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	650	650	13-3/8"	48.00	H-40/J-55 Hybrid	ST&C	2.63	6.14	10.32
12 1/4	0	1900	1900	9-5/8"	36.00	J-55	LT&C	2.04	3.56	6.62
7 7/8	0	7093	7093	5-1/2"						
7 7/8	7093	23091	7659	5-1/2"	20.00	P-110	BT&C	2.93	3.27	56.63
						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

	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	# Sks	Wt. lb/gal	Yld ft3/sack	H2O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surface	212	13.50	1.72	9.15	15.5	Lead: Class C + Bentonite
	195	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Intermediate	348	12.90	1.88	9.65	12	Lead: 35:65 (Poz:C) + Salt + Bentonite
	111	14.80	1.34	6.32	9.5	Tail: Class C + LCM
Production	512	10.30	3.64	22.18	12	Lead: Tuned Light + LCM
	3200	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	38
Intermediate	0	54
Production	1650	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	X	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		
7 7/8	**13 5/8**	**10M**	Annular	X	100% of working pressure
			Blind Ram		10M
			Pipe Ram	X	
			Double Ram	X	
			Other		

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

5. Mud Program

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0' to 650'	FW Spud Mud	7.83 - 8.33	30-32	N/C
650' to 1900'	Brine Water	9.50 - 10.00	30-32	N/C
1900' to 23091'	Cut Brine or OBM	9.00 - 9.50	27-70	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 fromTD 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	3783 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	H2S is present
X	H2S 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 10M 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). 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

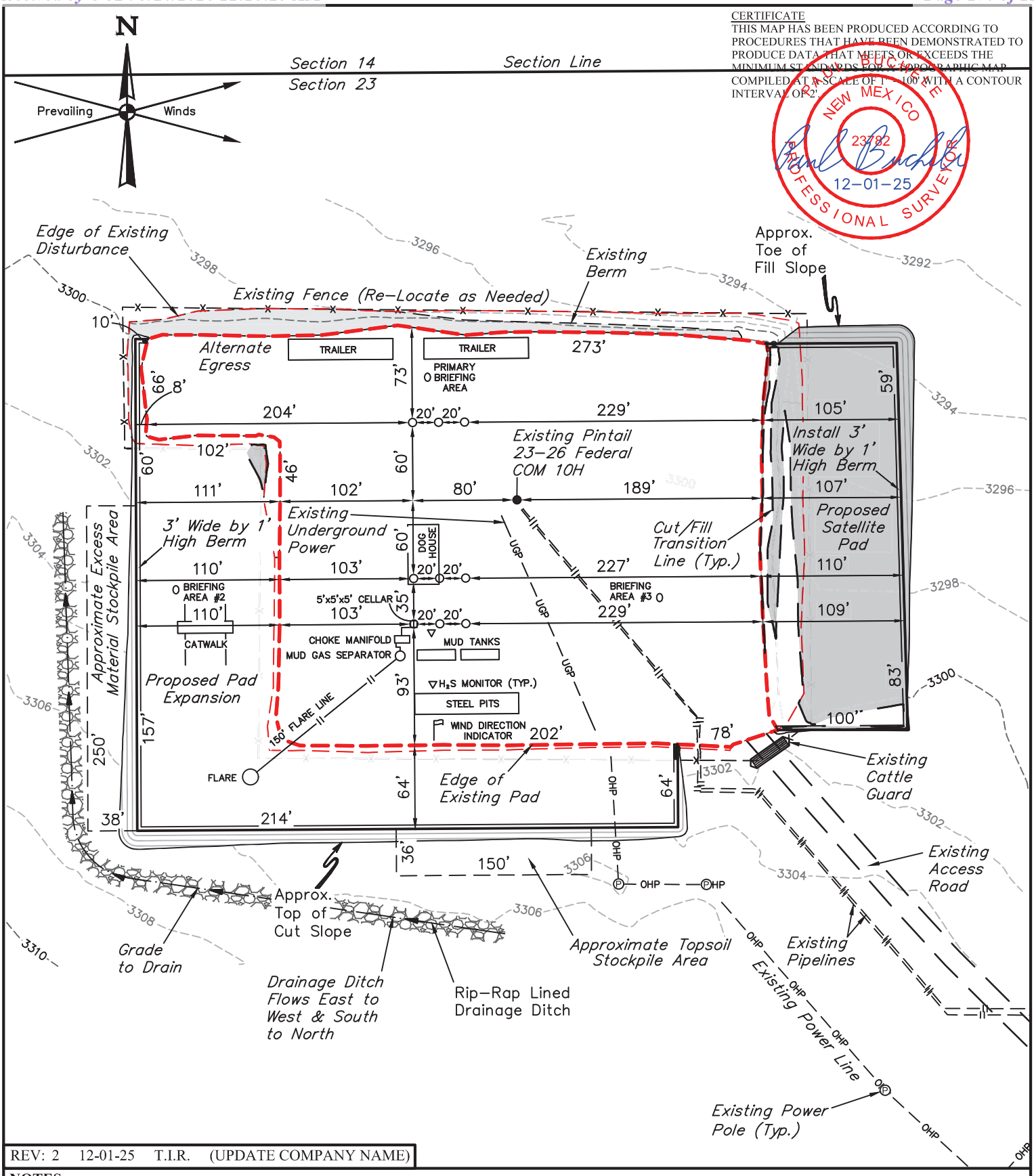
4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.

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.



CERTIFICATE
THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1" = 100' WITH A CONTOUR INTERVAL OF 2'.

STATE OF NEW MEXICO 23782 Earl Buchli 12-01-25 PROFESSIONAL SURVEYOR

REV: 2	12-01-25	T.I.R.	(UPDATE COMPANY NAME)

NOTES:
- Contours shown at 2' intervals.

CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	D.J.S.	02-28-19	1" = 100'
TYPICAL RIG LAYOUT			EXHIBIT K

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

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: Cimarex Energy Co. of Colorado **OGRID:** 162683 **Date:** 1/8/2026

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
Pintail 23-26-35 Fed Com 17H		Sec 23 T25S, R26E	389 FNL/1939 FWL	1527	4835	2500

IV. Central Delivery Point Name: Wigeon 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
Pintail 23-26-35 Fed Com 17H		5/9/2026	8/17/2026	11/17/2026	2/1/2027	2/6/2027

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:	Crystal Denson
Printed Name:	Crystal Denson
Title:	Regulatory Analyst
E-mail Address:	crystal.denson@coterra.com
Date:	1/8/2026
Phone:	432/6201699

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

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

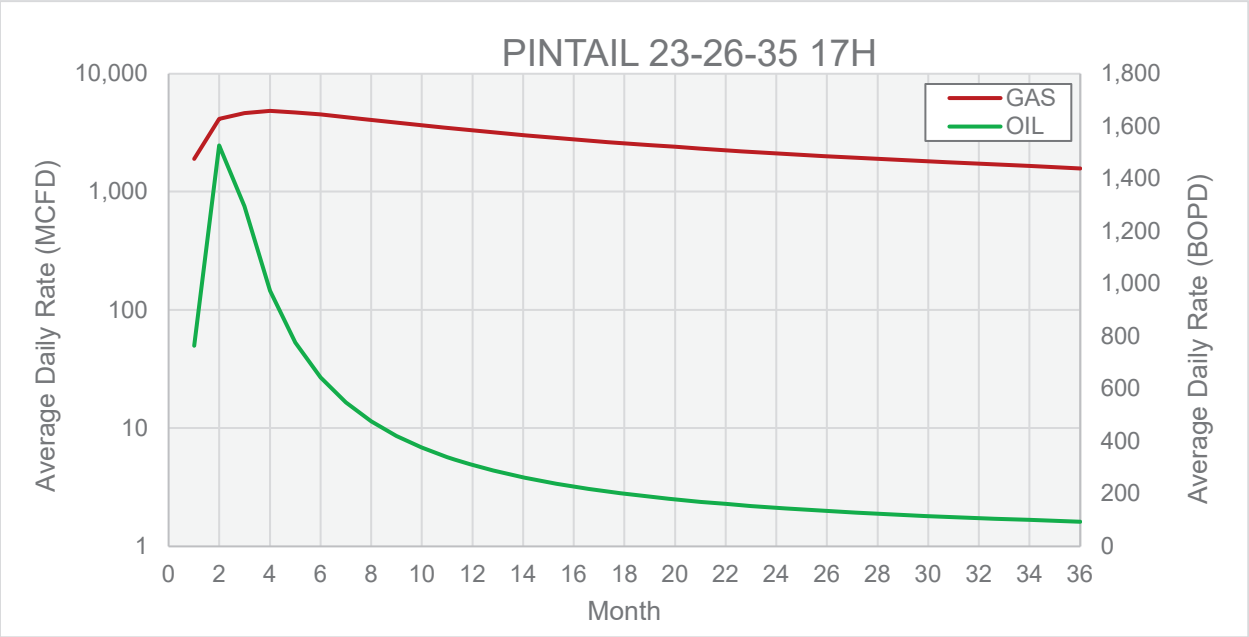
From State of New Mexico, Natural Gas Management Plan

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.

PINTAIL 23-26-35 FED COM 17H	PINTAIL 23-26-35 FED COM 17H
GAS MCFD	OIL BOPD
1,888	763
4,138	1,527
4,607	1,294
4,835	972
4,682	775
4,498	642
4,293	547
4,048	475
3,833	420
3,633	375
3,455	339
3,292	309
3,140	284
2,995	262
2,872	243
2,767	227
2,664	212
2,563	200
2,473	188
2,393	178
2,315	169
2,237	160
2,167	153
2,103	146
2,045	140
1,992	134
1,941	128
1,891	123
1,845	119
1,803	114
1,763	110
1,727	107
1,688	103
1,648	100
1,610	97
1,574	94


PINTAIL 23-26-35 17H
GAS
OIL
Average Daily Rate (MCFD)
Average Daily Rate (BOPD)
Month
10,000
1,000
100
10
1
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

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.

AustinHOSE

CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B №: LT2024-156-001

Customer Name			
Product Name	Choke And Kill Hose		
Product Specification	3″×10000psi×35ft（10.67m）	Quantity	1PCS
Serial Number	VTC-7660257	FSL	FSL3
customer number	PO890145-001	Standard	API Spec 16C 3rd edition
Temperature Range	-29℃～+121℃	Inspection date	2024.09.03

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3rd edition
Size and Lengths	In accordance with API Spec 16C 3rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3rd edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21st edition
End Connections: 4-1/16″×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3rd edition
product Marking	In accordance with API Spec 16C 3rd edition
Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition
Remarks	16C-0403

Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

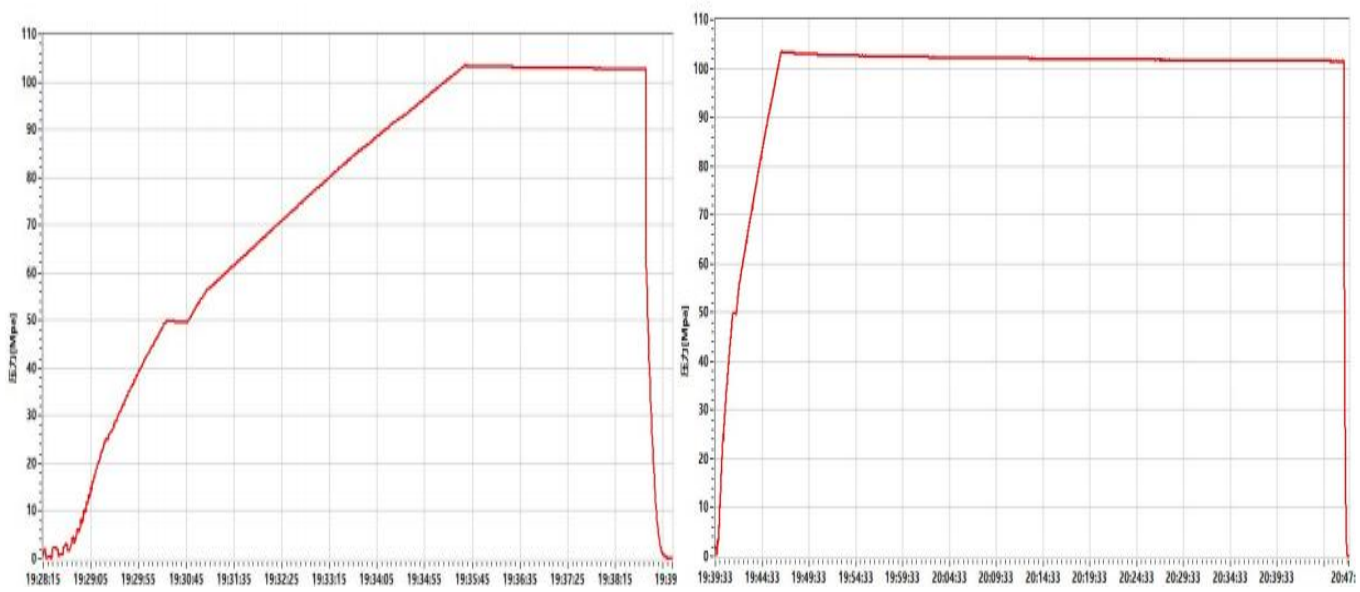
AustinHOSE

HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28 №: 24090301

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3rd edition
Product Specification	3″×10000psi×35ft（10.67m）	Serial Number	VTC-7660257
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
customer number	PO890145-001	Inspection Date	2024.08.30
Rate of length change			
Standard requirements	At working pressure ,the rate of length change should not more than ±2%		
Testing result	10000psi (69.0MPa) ,Rate of length change 0.6%		
Hydrostatic testing			
Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leakage.		
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage		

Graph of pressure testing：



Conclusion	The inspected items meet standard requirements of API Spec 16C 3rd edition 16C-0403				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

CERTIFICATE OF CONFORMANCE

№:LT24090307

Product Name：Choke And Kill Hose

Product Specification：3″×10000psi×35ft（10.67m）

Serial Number：VTC-7660257

customer number：PO890145-001

End Connections: 4-1/16″×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3rd edition .

QC Manager： Jane C Date:Sep 3, 2024

16C-0403

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	LETONE

Standard New Mexico Variances

Variance Request #1: Skid Rig after Cementing Surface Casing

Coterra requests permission to skid the rig to the next well on the pad in order to begin operations immediately after the cement job for the surface casing has been completed. After the cement job is completed, no operations on the subject well will be conducted until at least 8 hours have elapsed, and both lead and tail slurries have achieved 500 psi compressive strength. While cement cures, the surface casing of the subject well will be suspended in the well by a mandrel and landing ring system, which is independent from the rig and ensures that casing remains centered while the rig is active on other wells. Before skidding the rig, a TA cap is installed on the subject well.

Variance Request #4: Utilize Co-Flex Choke Line

Coterra requests approval to utilize a co-flex choke line between the BOP and choke manifold. Certification for the proposed co-flex choke line is attached. The choke line is not required by the manufacturer to be anchored. In the event the specific co-flex choke line is not available, one of equal or higher rating will be used. Variance to include Hammer Union connections on lines downstream of the buffer tank only.

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

SUPO Data Report
03/18/2026

APD ID: 10400109583
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 17H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

PINTAIL_23_26_35_FED_COM_Existing_Road_Plat_20260108101118.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Existing Well map Attachment:

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

PINTAIL_23_26_35_FED_COM_Well_Radius_map_20260108101142.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? SUBMIT

Production Facilities description: Using Wigeon CTB

Production Facilities map:

PINTAIL_23_26_35_FED_COM_Location_Layout_Plat_20260108101220.pdf
Plot_Plan_20260116143322.pdf
PINTAIL_23_26_35_FED_COM_powerline_row_plat_20260306094936.pdf
PINTAIL_23_26_35_FED_COM_bulk_line_row_plat_20260306094937.pdf

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: RECYCLED

Water source use type: SURFACE CASING
INTERMEDIATE/PRODUCTION CASING
STIMULATION

Source latitude: 32.105675 **Source longitude:** -104.269639

Source datum: NAD83

City:

Water source permit type: WATER RIGHT

Water source transport method: PIPELINE

Source land ownership: FEDERAL

Source transportation land ownership: FEDERAL

Water source volume (barrels): 5000 **Source volume (acre-feet):** 0.64446548

Source volume (gal): 210000

Water source and transportation

Water_Supply_Map_20240502081925.pdf

Water source comments:

New water well? N

New Water Well Info

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Well latitude: **Well Longitude:** **Well datum:**

Well target aquifer:

Est. depth to top of aquifer(ft): **Est thickness of aquifer:**

Aquifer comments:

Aquifer documentation:

Well depth (ft): **Well casing type:**

Well casing outside diameter (in.): **Well casing inside diameter (in.):**

New water well casing? **Used casing source:**

Drilling method: **Drill material:**

Grout material: **Grout depth:**

Casing length (ft.): **Casing top depth (ft.):**

Well Production type: **Completion Method:**

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Caliche and gravel will be obtained from the actual well site if available. In the event that no caliche is found onsite, caliche will be hauled in from BLM-approved caliche pit in NENW Section 5/T25S/R26E. 32.165186, -104.315946

Construction Materials source location

Caliche_Location_Pintail_20260109070919.pdf

Section 7 - Methods for Handling

Waste type: DRILLING

Waste content description: Drilling Fluids, drill cuttings, water and other waste produced from the well during drilling operations.

Amount of waste: 15000 barrels

Waste disposal frequency : Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Haul to R360 Environmental Solutions, 4507 Carlsbad Hwy, Hobbs, NM 88240

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations.

Amount of waste: 32500 pounds

Waste disposal frequency : Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: A licensed 3rd party hauls trash to Lea County Landfill.

Waste type: SEWAGE

Waste content description: Human waste.

Amount of waste: 300 gallons

Waste disposal frequency : Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal facility.
Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL
Disposal type description:

Disposal location description: A licensed 3rd party contractor will be used to haul and dispose human waste to City of Toyah TX waste water facility.

Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? N

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Description of cuttings location

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

Cuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities

Comments:

Section 9 - Well Site

Well Site Layout Diagram:

PINTAIL_23_26_35_FED_COM_Reclamation_Plat_20260108101748.pdf
PINTAIL_23_26_35_FED_COM_Location_Layout_Plat_20260108101748.pdf
PINTAIL_23_26_35_FED_COM_Rig_Layout_Plat_20260108101748.pdf

Comments:

Section 10 - Plans for Surface

Type of disturbance: New Surface Disturbance **Multiple Well Pad Name:** Pintail 23-26-35 Federal Com

Multiple Well Pad Number: E2W2

Recontouring

PINTAIL_23_26_35_FED_COM_Reclamation_Plat_20260109082218.pdf

Drainage/Erosion control construction: Pad construction will include drainage control by re-routing drainages around the pad and installing culverts or low water crossings where needed. Erosion control techniques will be used where needed to minimize wind and water erosion and sedimentation loading prior to vegetation establishment.

Drainage/Erosion control reclamation: Area wide drainage will be stabilized and restored so that surface runoff flows, and gradients are returned to the condition present prior to development. Drainage basins will have similar features found in nearby, properly functioning basins.

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Well pad proposed disturbance (acres): 4.838	**Well pad interim reclamation (acres):** 2.674	**Well pad long term disturbance (acres):** 2.164
Road proposed disturbance (acres): 0.422	**Road interim reclamation (acres):** 0	**Road long term disturbance (acres):** 3.966
Powerline proposed disturbance (acres): 0.022	**Powerline interim reclamation (acres):** 0.022	**Powerline long term disturbance (acres):** 0
Pipeline proposed disturbance (acres): 0.117	**Pipeline interim reclamation (acres):** 0.117	**Pipeline long term disturbance (acres):** 0
Other proposed disturbance (acres): 0	**Other interim reclamation (acres):** 0	**Other long term disturbance (acres):** 0
Total proposed disturbance: 5.399	**Total interim reclamation:** 2.8129999999999997	**Total long term disturbance:** 6.130000000000001

Disturbance Comments: BLM recommended seed mix will be used for reclamation purposes.

Reconstruction method: Areas to be reclaimed will be graded to approximate original contours and to blend in with adjacent topography. Graded surfaces will be suitable for the replacement of uniform depth of topsoil, will promote cohesion between subsoil and topsoil layers, will reduce wind erosion, and will facilitate moisture capture. Specialist grading techniques may be applied if warranted and could include slope rounding, star-step grading/tracing and/or contour furrowing.

Topsoil redistribution: After compaction relief (ripping/discing) all topsoil will be redistributed on the reclaimed area to a predisturbance depth. Topsoil is typically redistributed with a scarper or front-end loader which leaves friable surface to work with. Waterbars and erosion control devices will be installed on reclaimed areas, as necessary, to control topsoil erosion

Soil treatment: As needed.

Existing Vegetation at the well pad: N/A

Existing Vegetation at the well pad

Existing Vegetation Community at the road: N/A

Existing Vegetation Community at the road

Existing Vegetation Community at the pipeline: N/A

Existing Vegetation Community at the pipeline

Existing Vegetation Community at other disturbances: N/A

Existing Vegetation Community at other disturbances

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Seed

Seed Table

Seed Summary

Total pounds/Acre:

Seed Type	Pounds/Acre

Seed reclamation

Operator Contact/Responsible Official

First Name: **Last Name:**

Phone: **Email:**

Seedbed prep:

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment

Weed treatment plan description: N/A

Weed treatment plan

Monitoring plan description: Monitoring will be done in accordance with BLM reclamation guidelines.

Monitoring plan

Success standards: Success standards will be measured in accordance with BLM reclamation guidelines.

Pit closure description: N/A

Pit closure attachment:

Section 11 - Surface

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: PIPELINE

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Disturbance type: OTHER

Describe: powerline

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Disturbance type: EXISTING ACCESS ROAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland: **USFS Ranger District:**

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Section 12 - Other

Right of Way needed? Y **Use APD as ROW?** Y

ROW Type(s): 288100 ROW – O&G Pipeline

ROW

SUPO Additional Information:

Use a previously conducted onsite? Y

Previous Onsite information: Onsite with Brendan Harris 10/23/2025.

Other SUPO

BEGINNING AT THE INTERSECTION OF COUNTY ROAD 748 AND AN EXISTING ROAD TO THE WEST (LOCATED AT NAD 83 LATITUDE N32.1319° AND LONGITUDE W104.2341°) PROCEED IN A WESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE EXISTING LOCATION.

TOTAL DISTANCE FROM THE INTERSECTION OF COUNTY ROAD 748 AND AN EXISTING ROAD TO THE WEST (LOCATED AT NAD 83 LATITUDE N32.1319° AND LONGITUDE W104.2341°) TO THE EXISTING WELL LOCATION IS APPROXIMATELY 2.3 MILES.

REV: 3 12-01-25 T.I.R. (UPDATE COMPANY NAME)

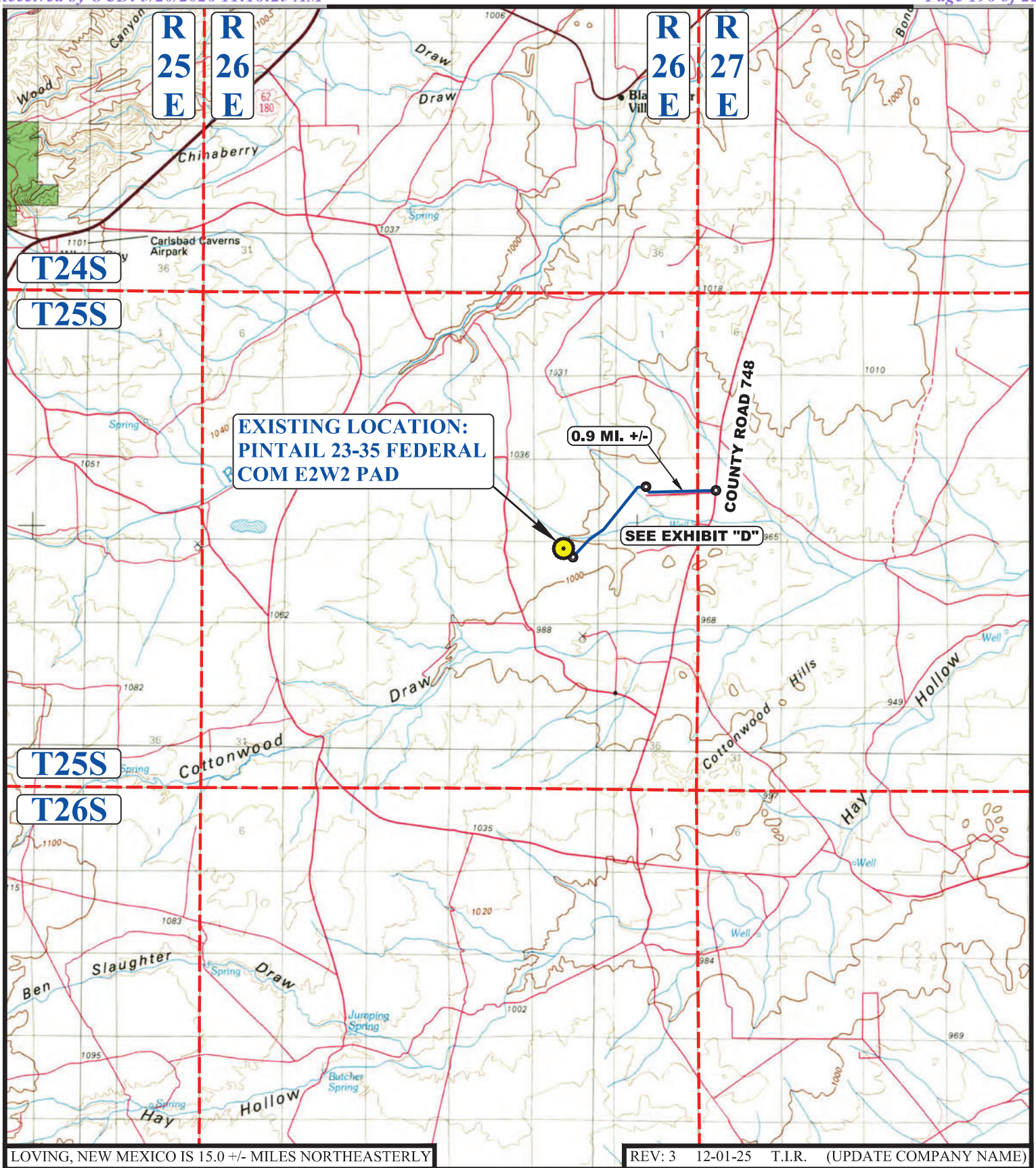
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	
DRAWN BY	S.T.O.	03-01-19	

ROAD DESCRIPTION **EXHIBIT A**

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LOVING, NEW MEXICO IS 15.0 +/- MILES NORTHEASTERLY

REV: 3 12-01-25 T.I.R. (UPDATE COMPANY NAME)

LEGEND:

EXISTING LOCATION

N

CIMAREX ENERGY CO. OF COLORADO

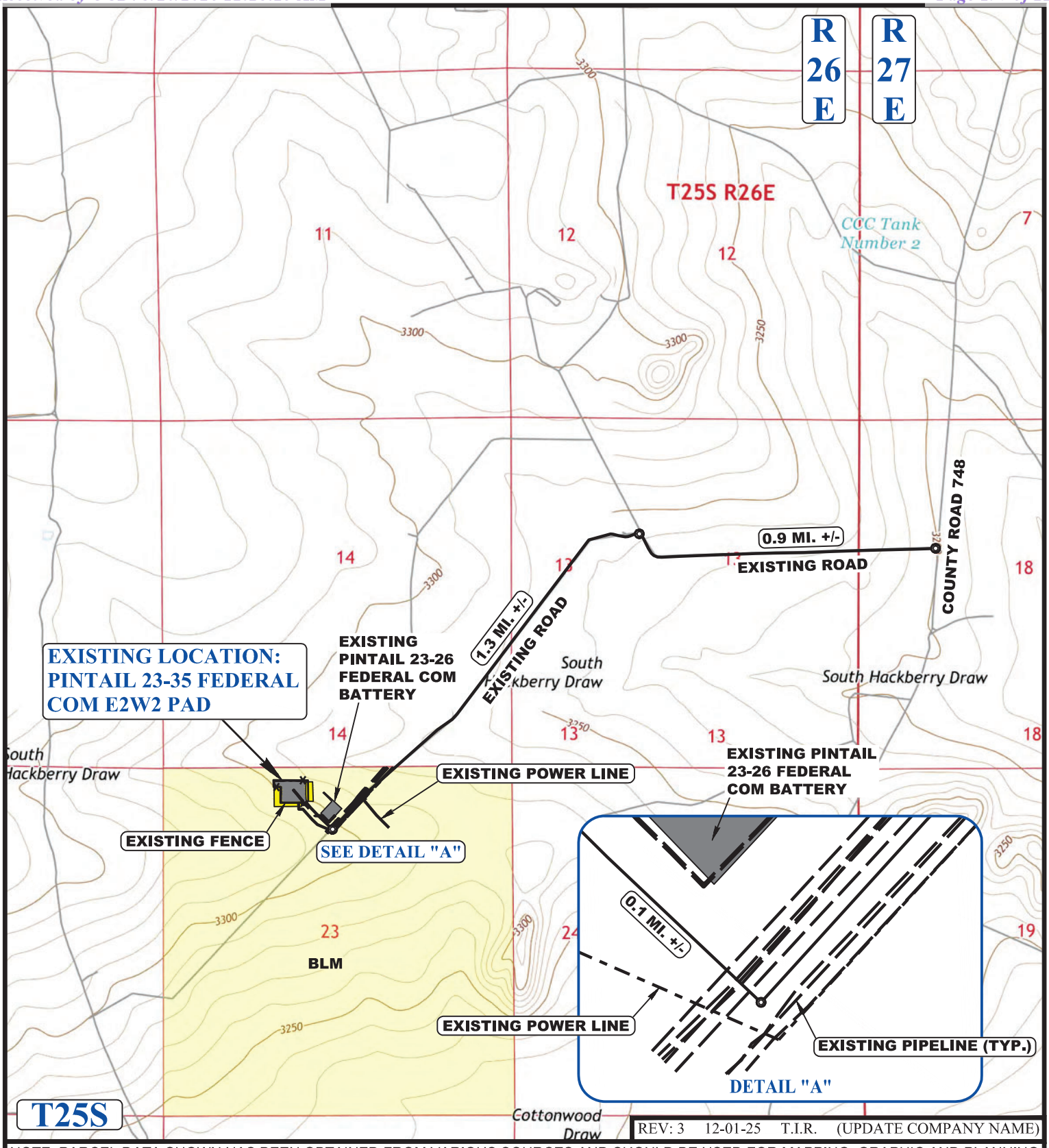
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	S.T.O.	03-01-19	1 : 100,000

PUBLIC ACCESS ROAD MAP **EXHIBIT B**

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 3 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:

- EXISTING ROAD
- EXISTING POWER LINE
- EXISTING PIPELINE
- EXISTING FENCE

N

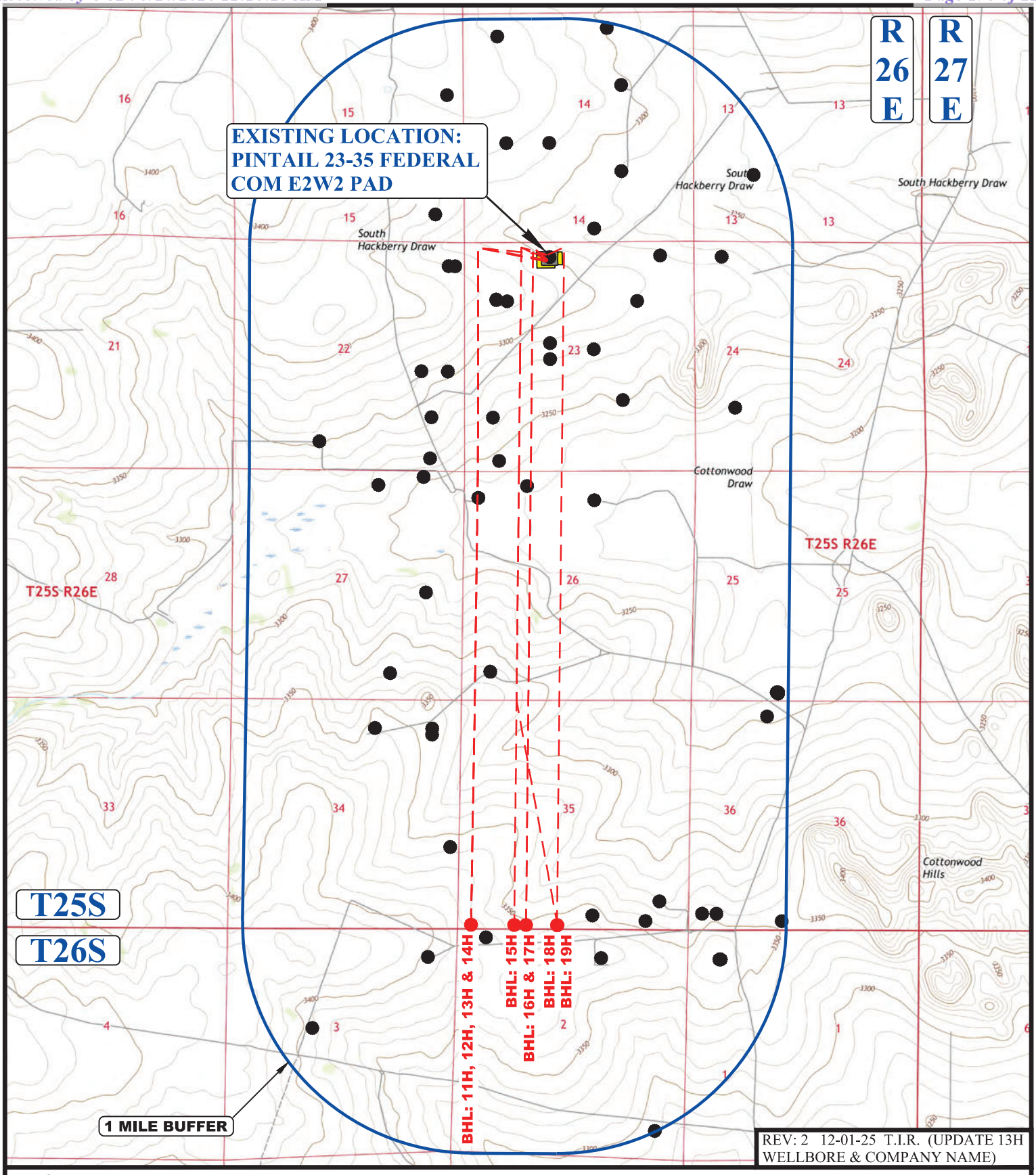
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	S.T.O.	03-01-19	1 : 24,000

NEW ROAD MAP **EXHIBIT D**

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



REV: 2 12-01-25 T.I.R. (UPDATE 13H WELLBORE & COMPANY NAME)

LEGEND:

● EXISTING WELLS

N

CIMAREX ENERGY CO. OF COLORADO

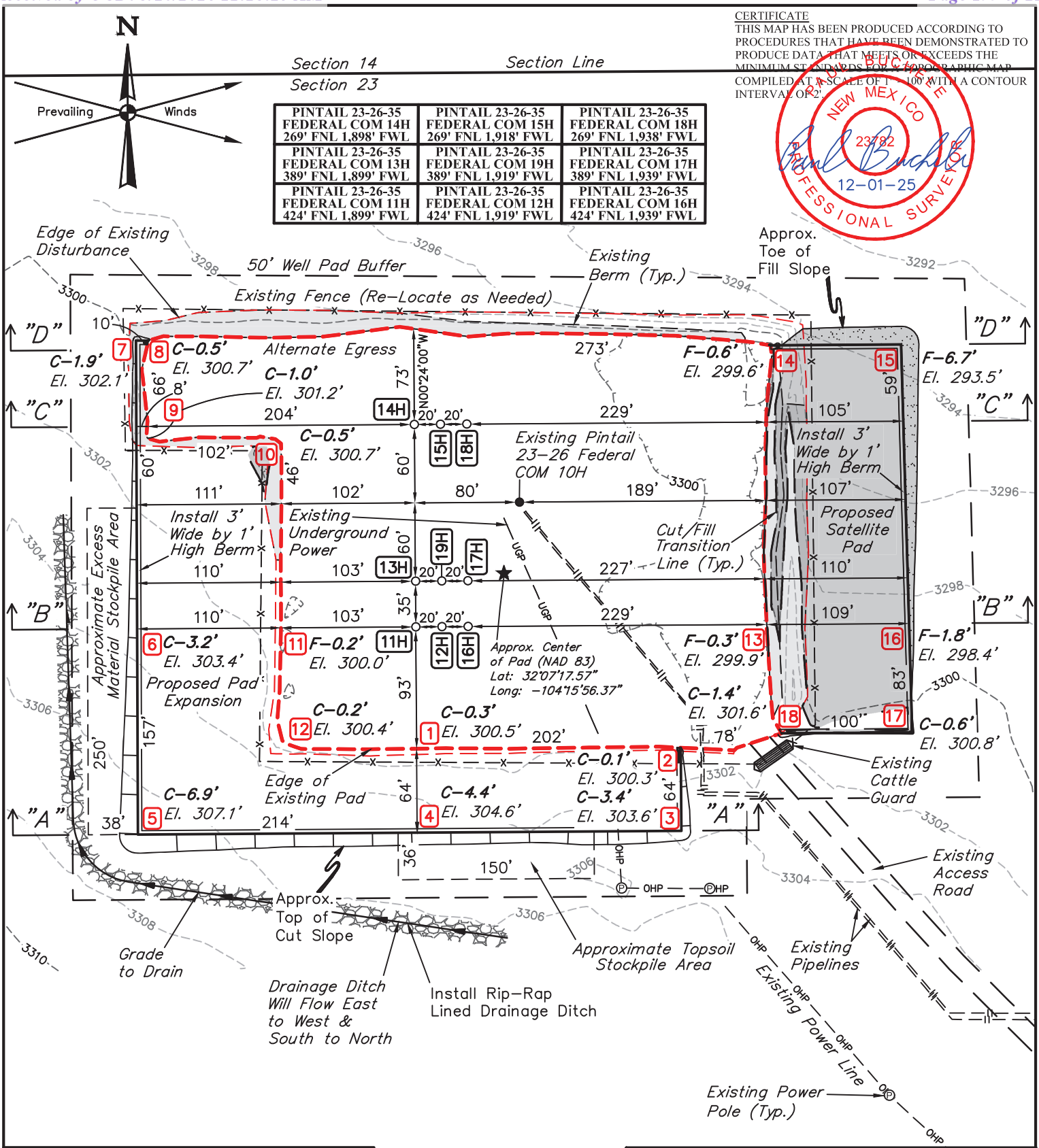
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	S.T.O.	03-01-19	1 : 36,000

1 MILE RADIUS MAP **EXHIBIT E**

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



FINISHED GRADE ELEVATION = **3,300.2'**

REV: 2 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.
- Cut/Fill slopes 2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

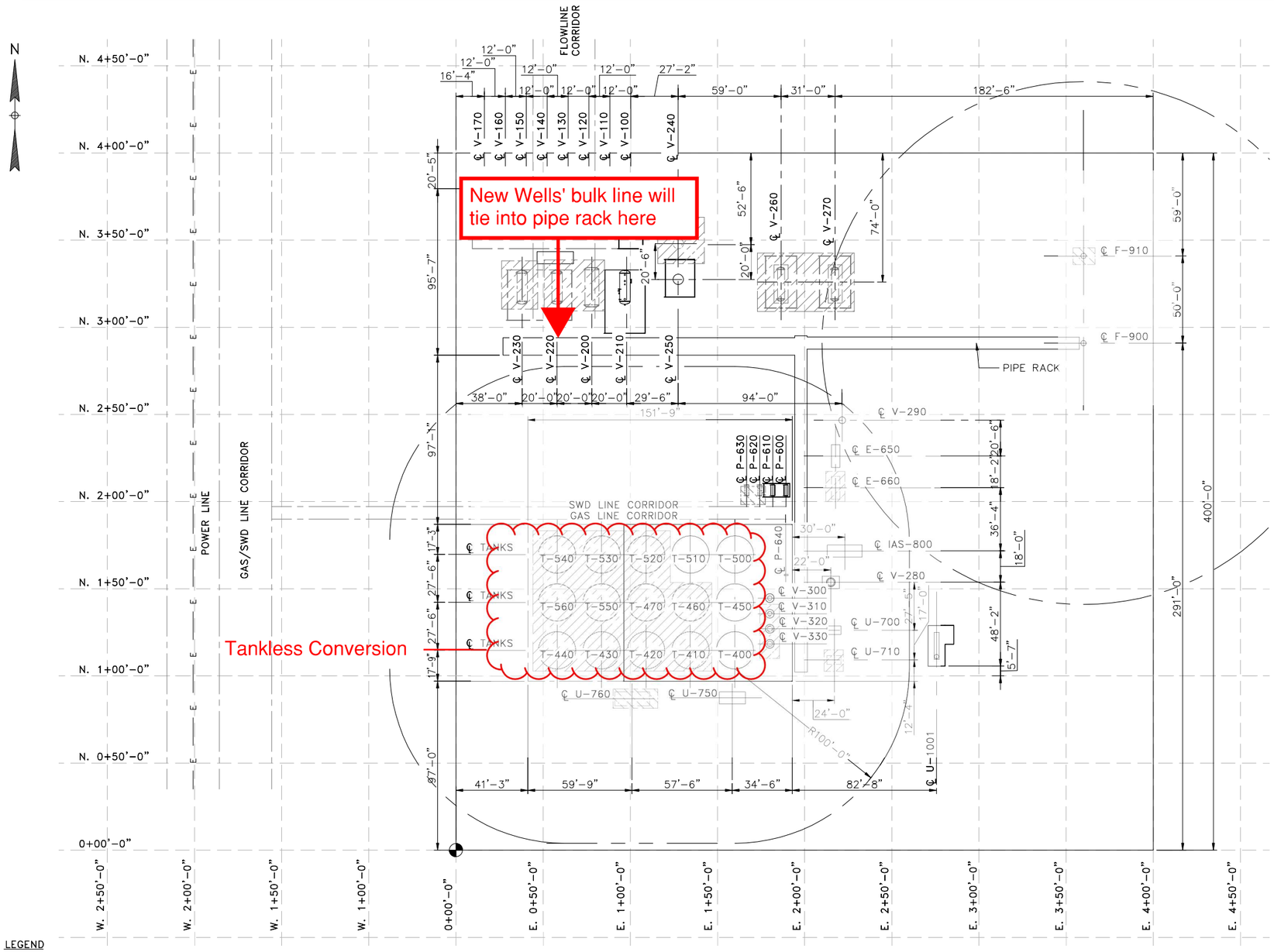
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	D.J.S.	02-28-19	1" = 100'

LOCATION LAYOUT **EXHIBIT J**

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LEGEND

FUTURE

V-100 THRU V-170
HP SEPARATOR
2PH HZ W/ SAND JET KIT
INLET SEP PACKAGE
30" OD x 10'-0" S/S

V-200/210
TEST SEPARATOR
HZ 3PH TEST SEPARATOR
72" OD x 16'-0" S/S

V-220/230
PROD. SEPARATOR
HZ 3PH BULK SEPARATOR
96" OD x 20'-0" S/S

V-240/250
TEST TREATER
VERTICAL HEATER TREATER
72" OD x 20'-0" S/S

V-260/270
PROD. TREATER
WORTHINGTON 416 HEATER TREATER
48" OD x 20'-0" S/S

V-280
HP SCRUBBER
3PH VESSEL
42" OD x 10'-0" HT

V-290
LP SCRUBBER
3PH HZ VESSEL
48" OD x 15'-0" HT

V-300/310
TEST VRT
3PH TEST VRT
24" OD x 30'-0" HT

V-320/330
BULK VRT
2PH BULK VRT
36" OD x 30'-0"

T-400 THRU 470
OIL TANK
OIL STORAGE TANK
21'-6" OD x 16'-0" HT
1000 BBL

T-500 THRU 560
WATER TANK
WATER STORAGE TANK
21'-6" OD x 16'-0" HT
1000 BBL

P-600/610/620/630
TRANSFER PUMP
SWD PUMP
40HP ELECTIC PUMPS

P-640
RECIRCULATION PUMP

E-650/660
COOLER

U-700/710
VAPOR RECOVERY
VAPOR RECOVERY UNIT
VRU-NK60

U-750/760
LACT
4" TRUCK LACT UNITS

IAS-800
INSTRUMENT AIR

F-900/910
FLARE
4" DUAL FLARE

U-1001
DEHYDRATION SYSTEM

ISSUED
FEBRUARY 03, 2017
FOR CONSTRUCTION

NOTE:

3S Services, LLC
ENGINEERING & CONSTRUCTION
Ph: 432-687-5611 Midland, Texas 79705
WWW.3SSERVICES.COM
TBPE FIRM REG. #13809
NM FIRM REG. #4545320
OKLA FIRM REG. #3712353615

REFERENCE DRAWINGS	
NO.	TITLE

REVISIONS					
NO.	DATE	DESCRIPTION	BY	CHK.	APP.
0	02/03/17	ISSUED FOR CONSTRUCTION	NC		

ENGINEERING RECORD		
	BY	DATE
DRN:	NC	11/07/16
DES:		
CHK:		
APP:		
AFE No.		
FACILITY ENGR.	J. RICKER	
PROJ. ENGR:		
SCALE:	NONE	

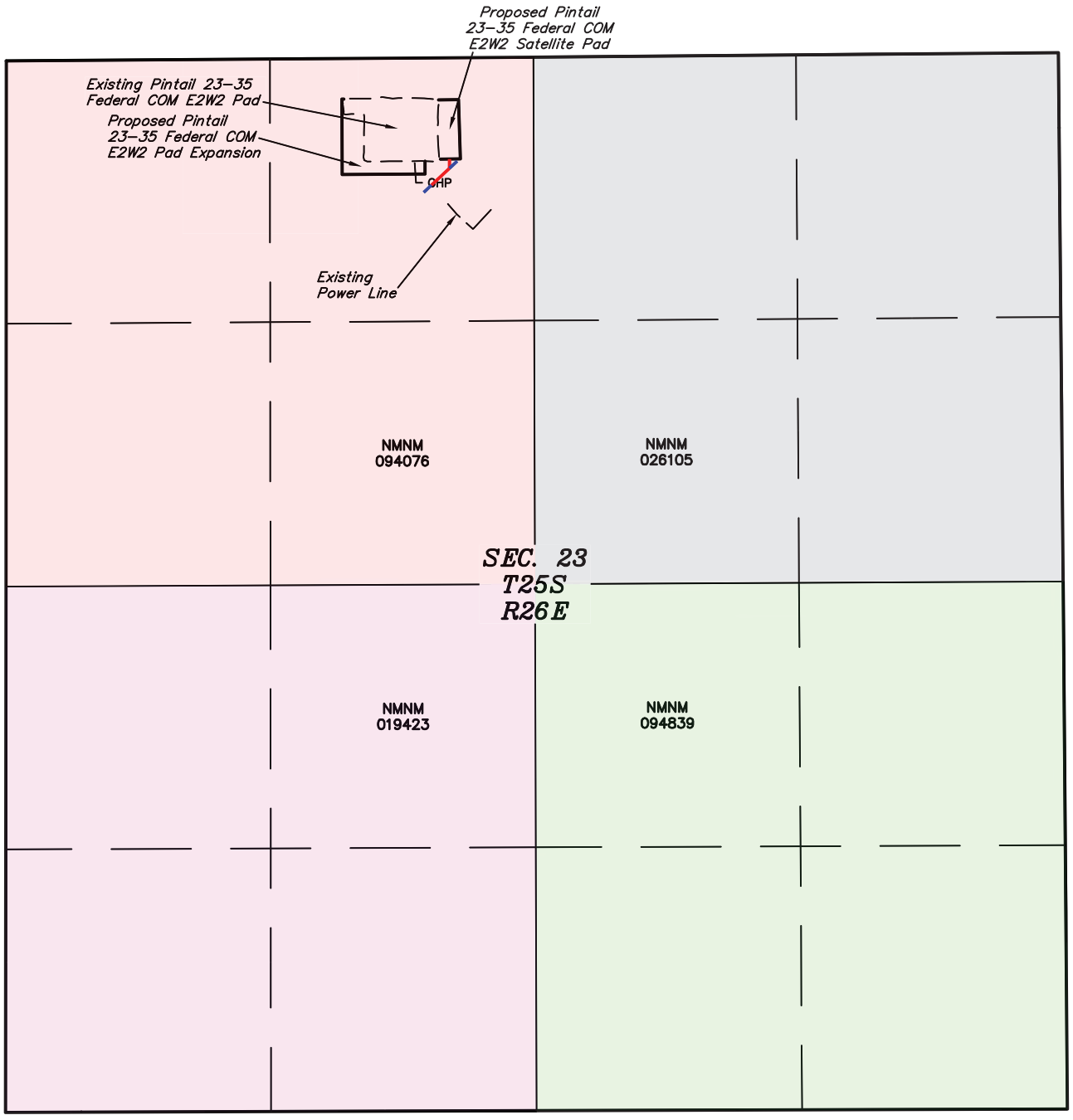
CIMAREX

WIGEON 23-26 #4H
PLOT PLAN
PERMIAN REGION

CULBERSON COUNTY TX

PLOT SCALE NONE
CAD NO. 20-100
DWG. NO. D-6145-20-100
REV 0

R:\6145 - Cimarex - Wigeon 23-26 #4H\2. Eng., Design\2.3 Piping, Mech\2.3.2 Plot Plans\6145-20-100.dwg20170202.12435711



LEGEND:

- PROPOSED POWER LINE CENTERLINE
- PROPOSED ANCHOR CENTERLINE
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE

NOTE:

- Colored areas within section lines represent Federal oil & gas leases.

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

CIMAREX ENERGY CO. OF COLORADO

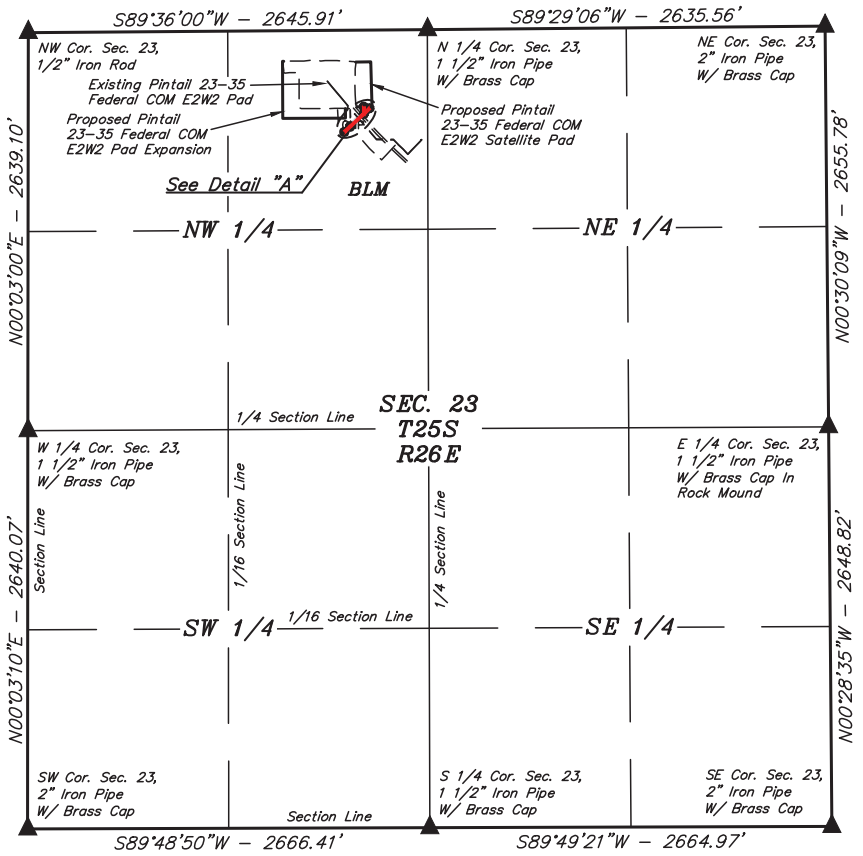
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

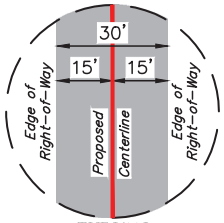
SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	N/A

OVERALL POWER LINE R-O-W

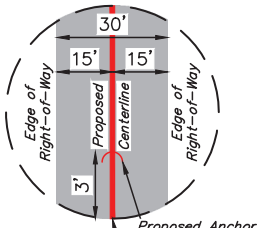
UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017





TYPICAL RIGHT-OF-WAY DETAIL FOR L1 & L2
NO SCALE

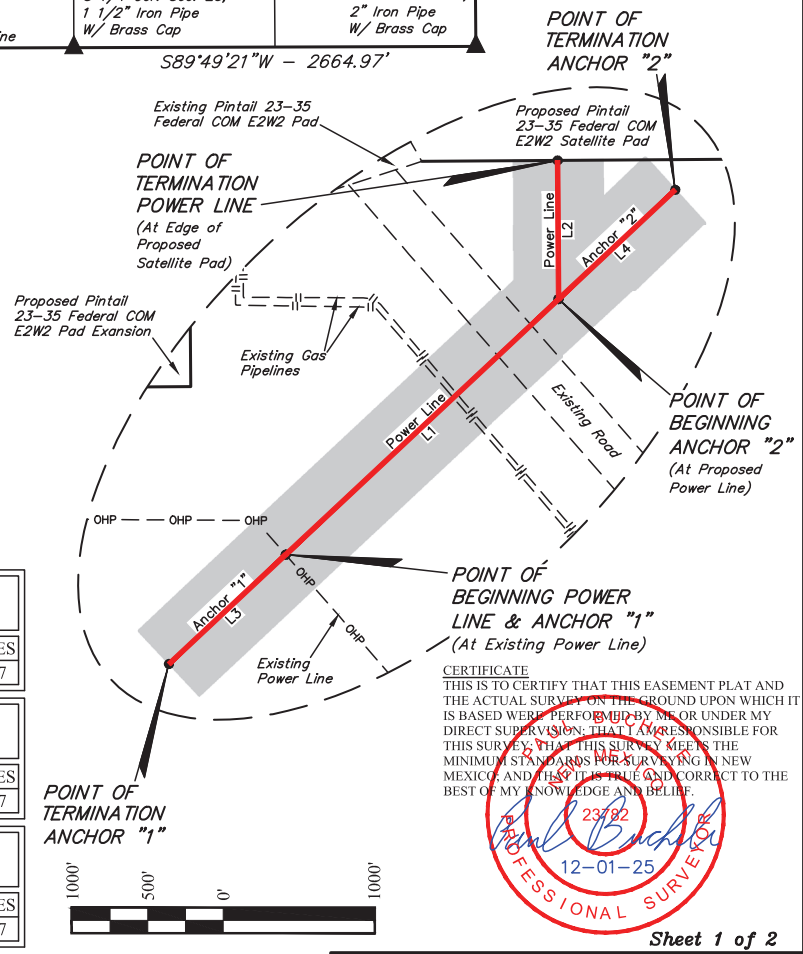


TYPICAL RIGHT-OF-WAY DETAIL FOR L3 & L4
NO SCALE

Proposed Anchor 3' From End of Right-of-Way

End of Right-of-Way

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N46°53'03"E	123.86'
L2	N00°24'00"W	45.94'
L3	S46°53'03"W	53.00'
L4	N46°53'03"E	53.00'



ACREAGE / LENGTH TABLE POWER LINE			
LOCATION	FEET	RODS	ACRES
SEC. 23 (NW 1/4)	169.80	10.29	0.117

ACREAGE / LENGTH TABLE ANCHOR "1"			
LOCATION	FEET	RODS	ACRES
SEC. 23 (NW 1/4)	53.00	3.21	0.037

ACREAGE / LENGTH TABLE ANCHOR "2"			
LOCATION	FEET	RODS	ACRES
SEC. 23 (NW 1/4)	53.00	3.21	0.037

▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Sheet 1 of 2

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)

CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD ON BLM LANDS IN SECTION 23, T25S, R26E, N.M.P.M. EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	1" = 1000'
FILE	COT01-25-0073-A1		
POWER LINE R-O-W			EXHIBIT I

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

POWER LINE RIGHT–OF–WAY DESCRIPTION

A 30' WIDE RIGHT–OF–WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 23 BEARS N89°29'06"E 2635.56', THENCE S38°37'40"W 820.53' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE N46°53'03"E 123.86'; THENCE N00°24'00"W 45.94' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF TERMINATION, WHICH BEARS S39°35'30"W 662.36' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.117 ACRES MORE OR LESS.

POINT OF BEGINNING POWER LINE BEARS S38°37'40"W 820.53' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF TERMINATION POWER LINE BEARS S39°35'30"W 662.36' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

ANCHOR "1" RIGHT–OF–WAY DESCRIPTION

A 30' WIDE RIGHT–OF–WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 23 BEARS N89°29'06"E 2635.56', THENCE S38°37'40"W 820.53' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE S46°53'03"W 53.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF TERMINATION, WHICH BEARS S39°07'38"W 873.02' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.037 ACRES MORE OR LESS.

POINT OF BEGINNING ANCHOR "1" BEARS S38°37'40"W 820.53' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF TERMINATION ANCHOR "1" BEARS S39°07'38"W 873.02' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

ANCHOR "2" RIGHT–OF–WAY DESCRIPTION

A 30' WIDE RIGHT–OF–WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 23 BEARS N89°29'06"E 2635.56', THENCE S37°10'05"W 698.18' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE N46°53'03"E 53.00' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF TERMINATION, WHICH BEARS S36°22'29"W 646.00' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT–OF–WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.037 ACRES MORE OR LESS.

POINT OF BEGINNING ANCHOR "2" BEARS S37°10'05"W 698.18' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF TERMINATION ANCHOR "2" BEARS S36°22'29"W 646.00' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NEW MEXICO 23782 PROFESSIONAL SURVEYOR
12–01–25

Sheet 2 of 2

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:

- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)

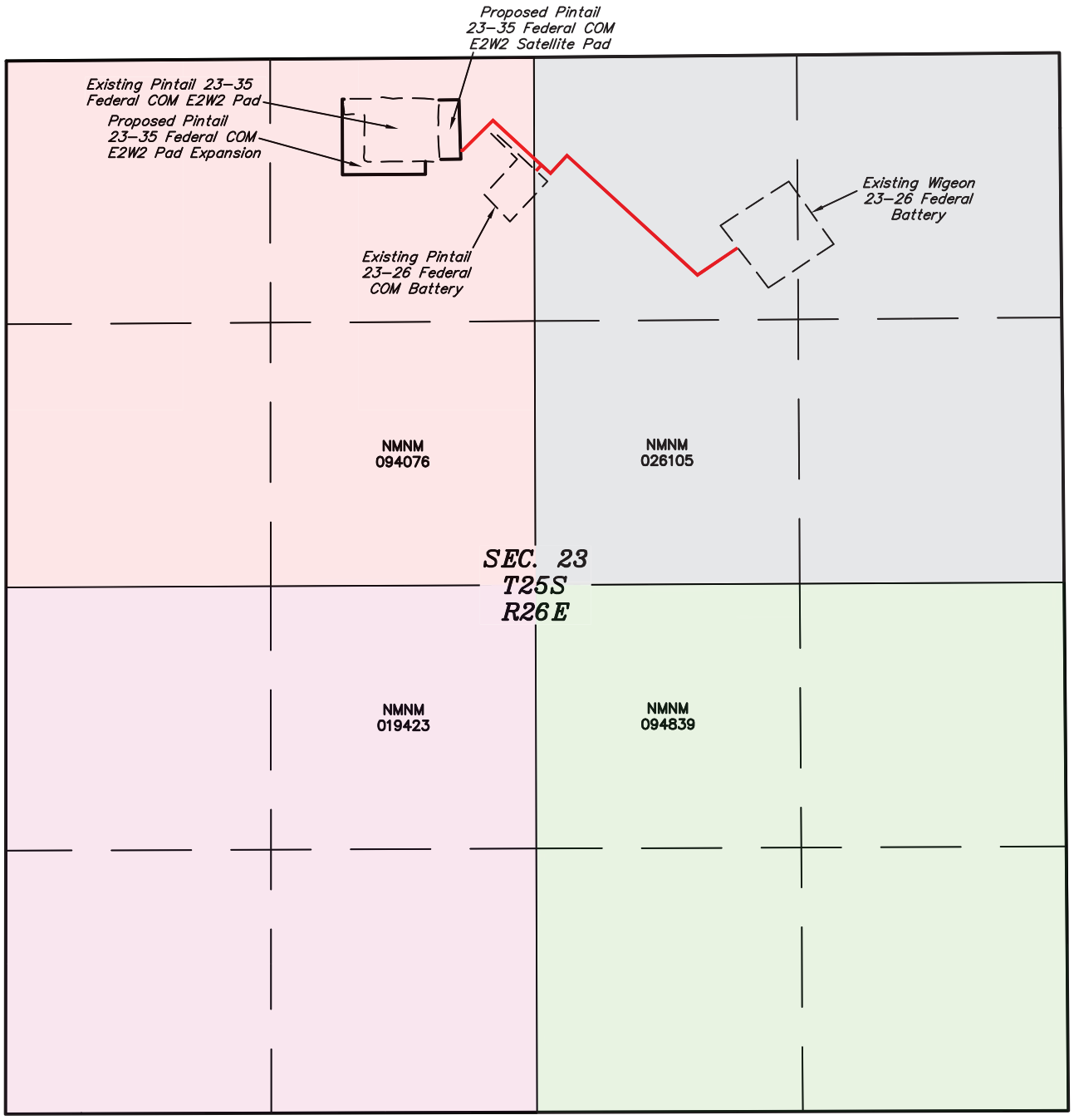
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
ON BLM LANDS IN
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	N/A
FILE	COT01-25-0073-A2		
POWER LINE R-O-W			EXHIBIT I

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



LEGEND:

- PROPOSED CENTERLINE
- SECTION LINE
- 1/4 SECTION LINE
- 1/16 SECTION LINE

NOTE:

- Colored areas within section lines represent Federal oil & gas leases.

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

N

CIMAREX ENERGY CO. OF COLORADO

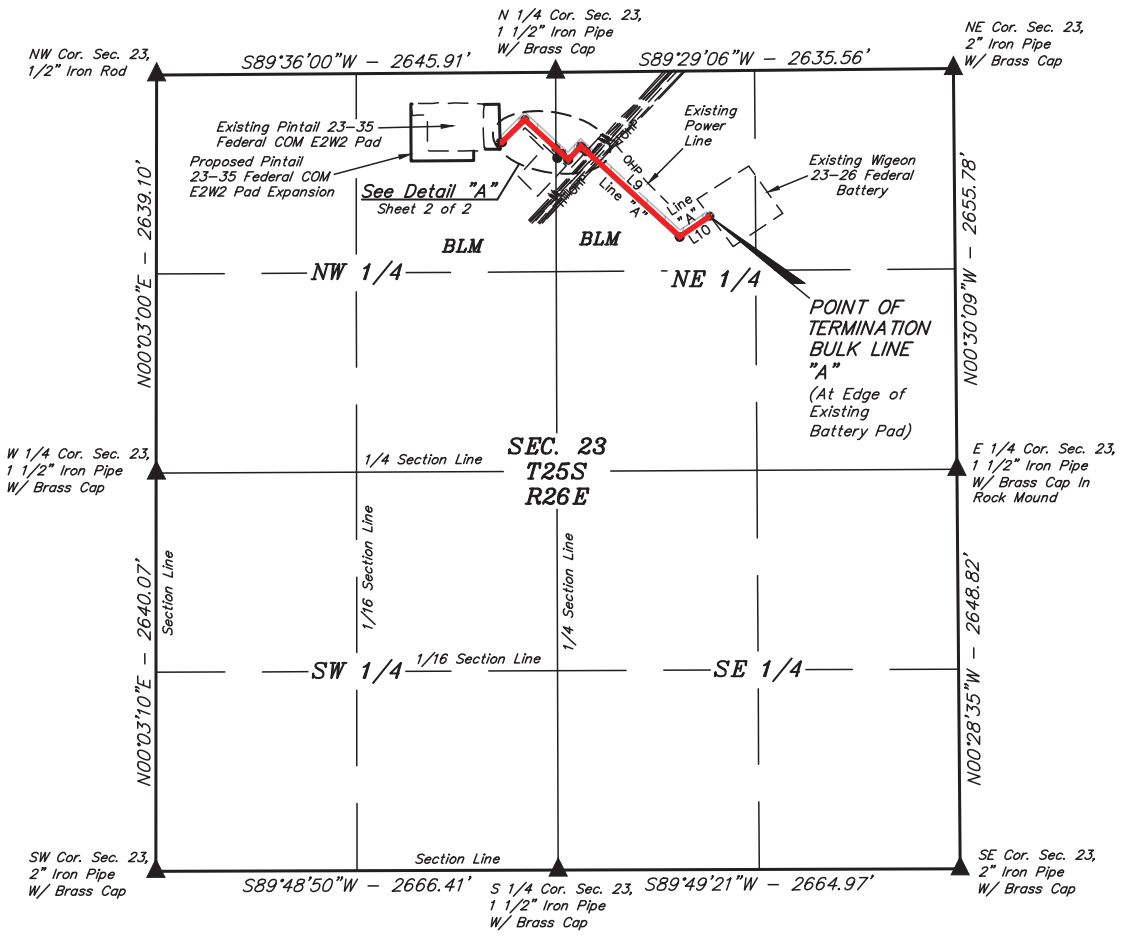
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	N/A

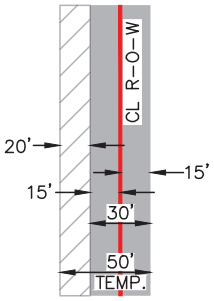
OVERALL BULK LINE R-O-W

UINTAH ENGINEERING & LAND SURVEYING

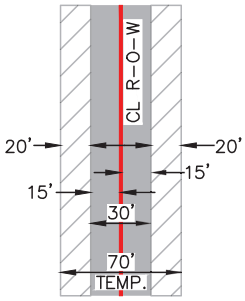
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



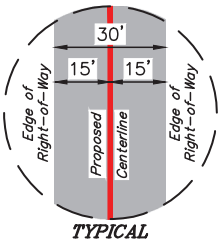
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N88°22'01"E	10.98'
L2	N45°23'09"E	213.71'
L3	S47°21'14"E	281.18'
L4	S47°21'14"E	49.49'
L5	S47°21'14"E	61.45'
L6	N42°44'52"E	122.20'
L7	S47°30'37"E	15.00'
L8	S47°30'37"E	35.00'
L9	S47°30'37"E	838.17'
L10	N55°50'37"E	242.04'
L11	S42°55'09"W	39.71'



TYPICAL RIGHT-OF-WAY DETAIL FOR L1-L7 & L9-L10
NO SCALE



TYPICAL RIGHT-OF-WAY DETAIL FOR L8
NO SCALE



TYPICAL RIGHT-OF-WAY DETAIL FOR L11
NO SCALE

ACREAGE / LENGTH TABLE BULK LINE "A"				
LOCATION	FEET	RODS	ACRES	TEMP. ACRES
SEC. 23 (NW 1/4)	505.87	30.66	0.348	0.232
SEC. 23 (NE 1/4)	1,363.35	82.63	0.939	0.642
TOTAL	1,869.22	113.29	1.287	0.874

ACREAGE / LENGTH TABLE BULK LINE "B"			
LOCATION	FEET	RODS	ACRES
SEC. 23 (NE 1/4)	39.71	2.41	0.027

1000' 500' 0' 1000'

▲ = SECTION CORNERS LOCATED.

CERTIFICATE
THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF NEW MEXICO 23782 PROFESSIONAL SURVEYOR 12-01-25

Sheet 1 of 2

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME & RIGHT-OF-WAY WIDTH)

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)
- Water bars to be constructed along route every 6' of elevation change.

N

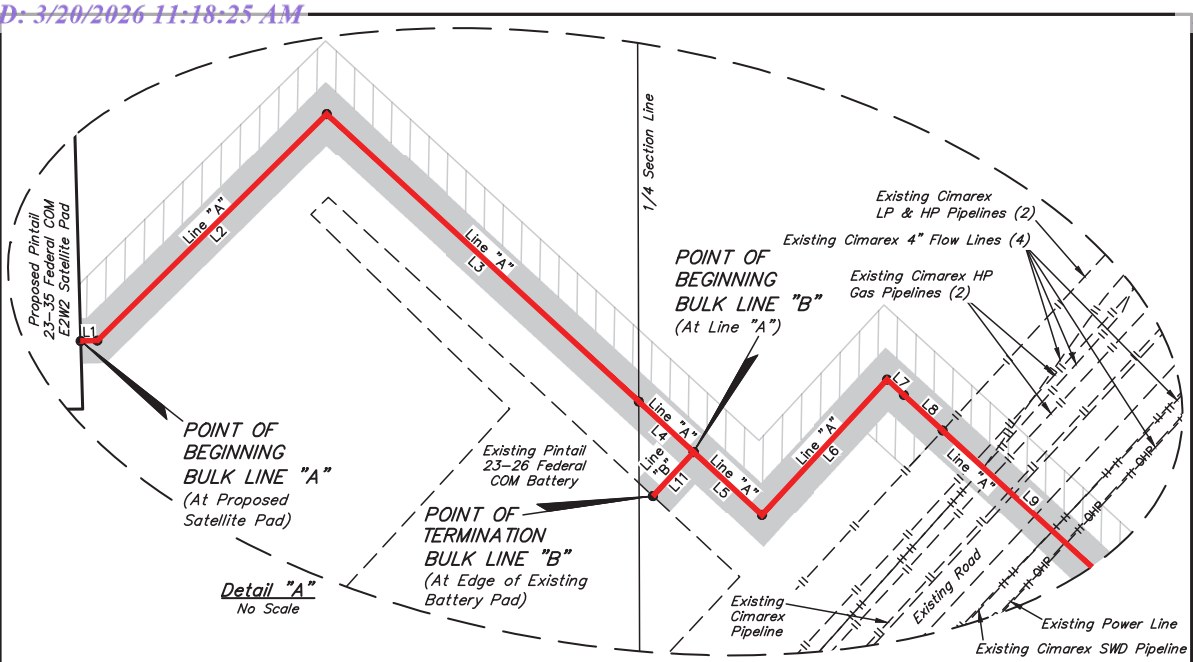
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD ON BLM LANDS IN SECTION 23, T25S, R26E, N.M.P.M. EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	1" = 1000'
FILE	COT01-25-0073-A1		
BULK LINE R-O-W			EXHIBIT M

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



BULK LINE "A" RIGHT-OF-WAY DESCRIPTION

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 23 BEARS N89°29'06"E 2635.56', THENCE S38°23'10"W 593.30' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE A 30' RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE WITH A 20' WIDE TEMPORARY RIGHT-OF-WAY ON THE LEFT SIDE OF SAID RIGHT-OF-WAY FOR A TOTAL WIDTH OF 50' DURING THE CONSTRUCTION N88°22'01"E 10.98'; THENCE N45°23'09"E 213.71'; THENCE S47°21'14"E 281.18' TO A POINT ON THE EAST LINE OF THE NE 1/4 NW 1/4; THENCE CONTINUING S47°21'14"E 49.49'; THENCE CONTINUING S47°21'14"E 61.45'; THENCE N42°44'52"E 122.20'; THENCE S47°30'37"E 15.00'; THENCE CONTINUING A 30' RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE WITH A 20' WIDE TEMPORARY RIGHT-OF-WAY ON THE LEFT SIDE AND A 20' WIDE TEMPORARY RIGHT-OF-WAY ON THE RIGHT SIDE OF SAID RIGHT-OF WAY FOR A TOTAL WIDTH OF 70' DURING CONSTRUCTION S47°30'37"E 35.00'; THENCE CONTINUING A 30' RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE WITH A 20' WIDE TEMPORARY RIGHT-OF-WAY ON THE LEFT SIDE OF SAID RIGHT-OF-WAY FOR A TOTAL WIDTH OF 50' DURING THE CONSTRUCTION S47°30'37"E 838.17'; THENCE N55°50'37"E 242.04' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 23 AND THE POINT OF TERMINATION, WHICH BEARS S46°56'00"E 1397.95' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 1.287 ACRES MORE OR LESS. TEMPORARY RIGHT-OF-WAY CONTAINS 0.874 ACRES.

POINT OF BEGINNING BULK LINE "A" BEARS S38°23'10"W 593.30' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF TERMINATION BULK LINE "A" BEARS S46°56'00"E 1397.95' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

BULK LINE "B" RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

COMMENCING AT THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M., FROM WHICH THE NORTHEAST CORNER OF SAID SECTION 23 BEARS N89°29'06"E 2635.56', THENCE S04°01'33"E 540.00' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE S42°55'09"W 39.71' TO A POINT IN THE NW 1/4 NE 1/4 OF SAID SECTION 23 AND THE POINT OF TERMINATION, WHICH BEARS S01°05'50"E 567.85' FROM THE NORTH 1/4 CORNER OF SAID SECTION 23. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. CONTAINS 0.027 ACRES MORE OR LESS.

POINT OF BEGINNING BULK LINE "B" BEARS S04°01'33"E 540.00' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF TERMINATION BULK LINE "B" BEARS S01°05'50"E 567.85' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS EASEMENT PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NEW MEXICO 23782 PROFESSIONAL SURVEYOR
12-01-25

Sheet 2 of 2

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME & RIGHT-OF-WAY WIDTH)

NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)
- Water bars to be constructed along route every 6' of elevation change.

CIMAREX ENERGY CO. OF COLORADO

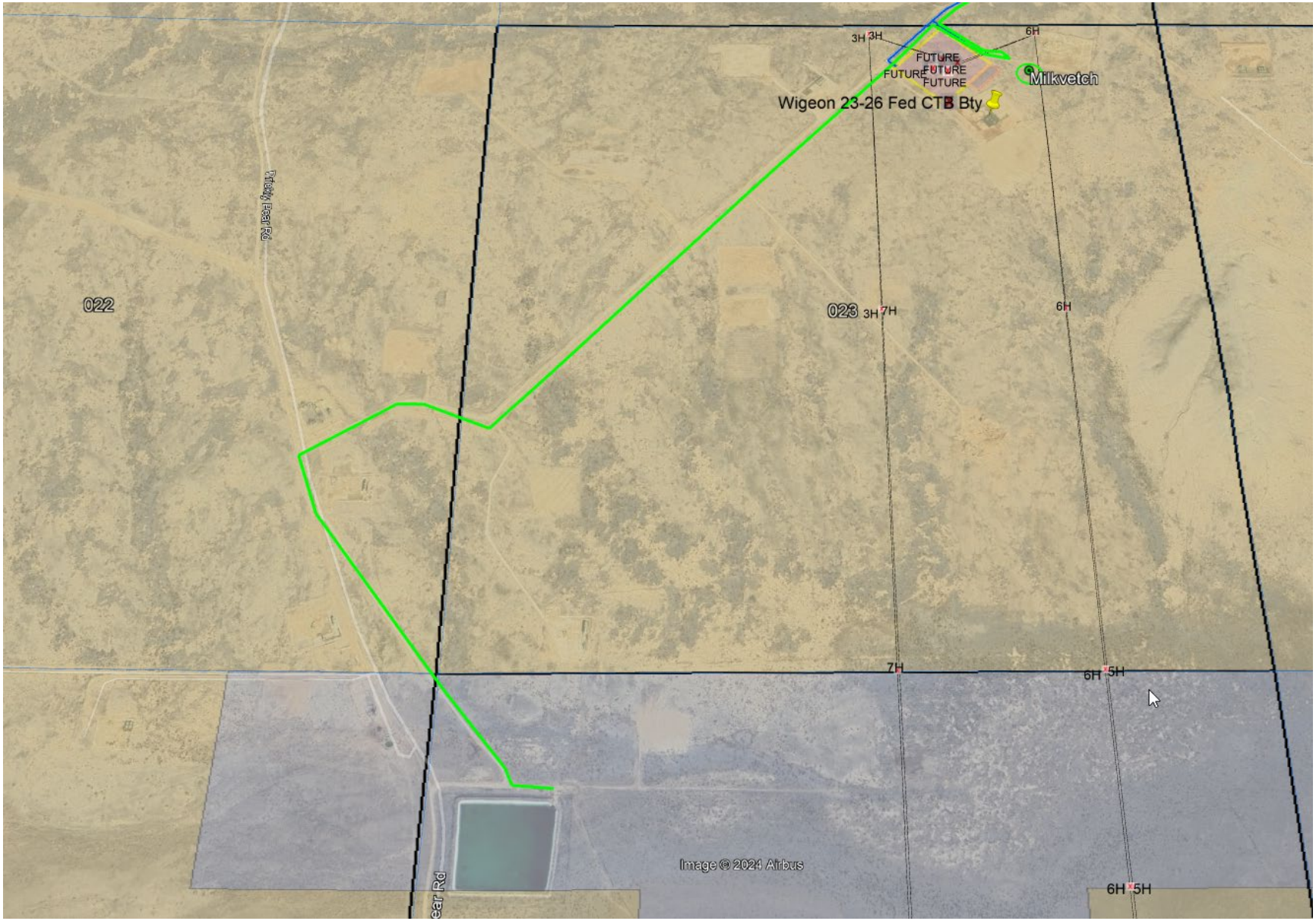
PINTAIL 23-35 FEDERAL COM E2W2 PAD ON BLM LANDS IN SECTION 23, T25S, R26E, N.M.P.M. EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	N/A
FILE	COT01-25-0073-A2		
BULK LINE R-O-W			EXHIBIT M

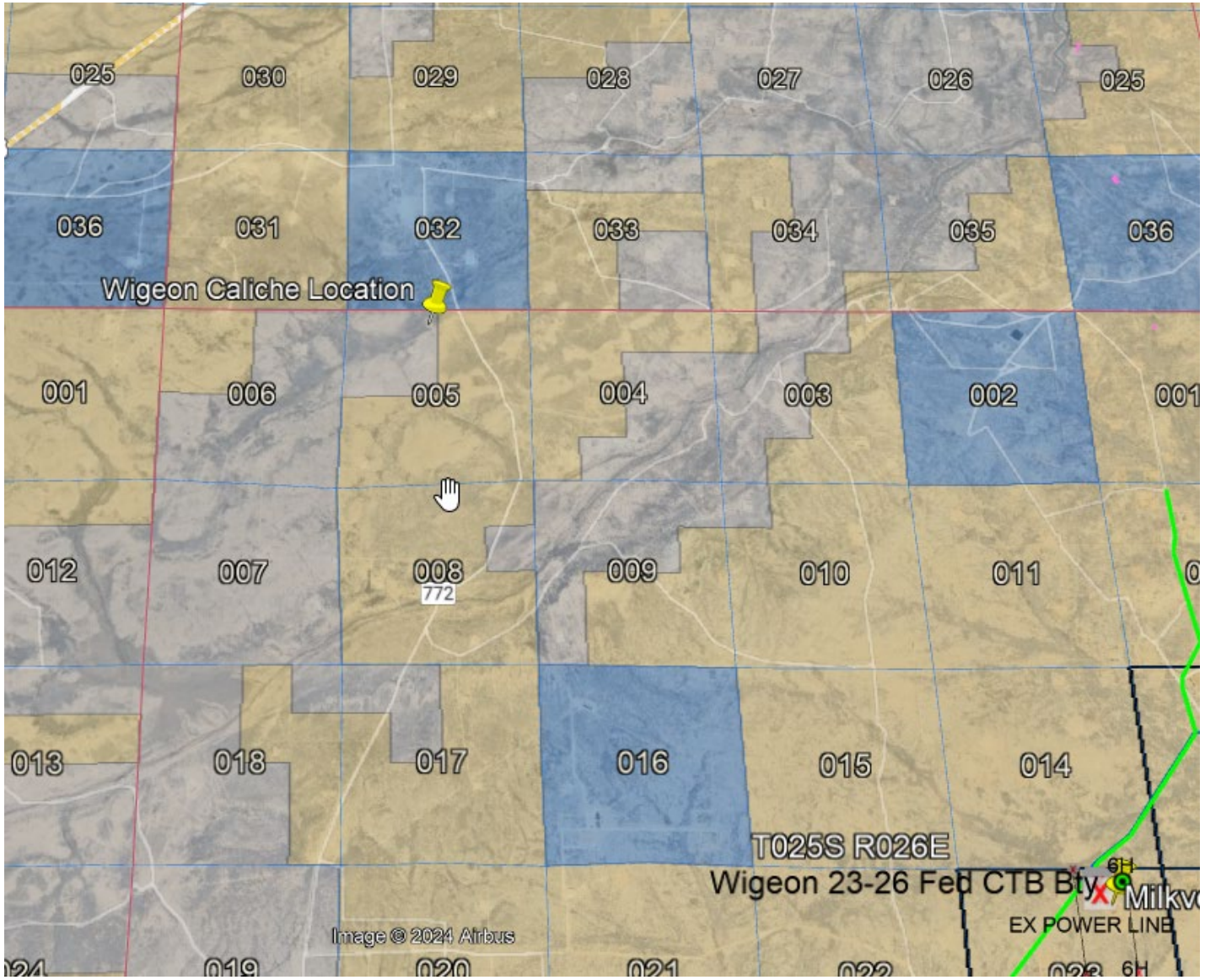
UINTAH ENGINEERING & LAND SURVEYING

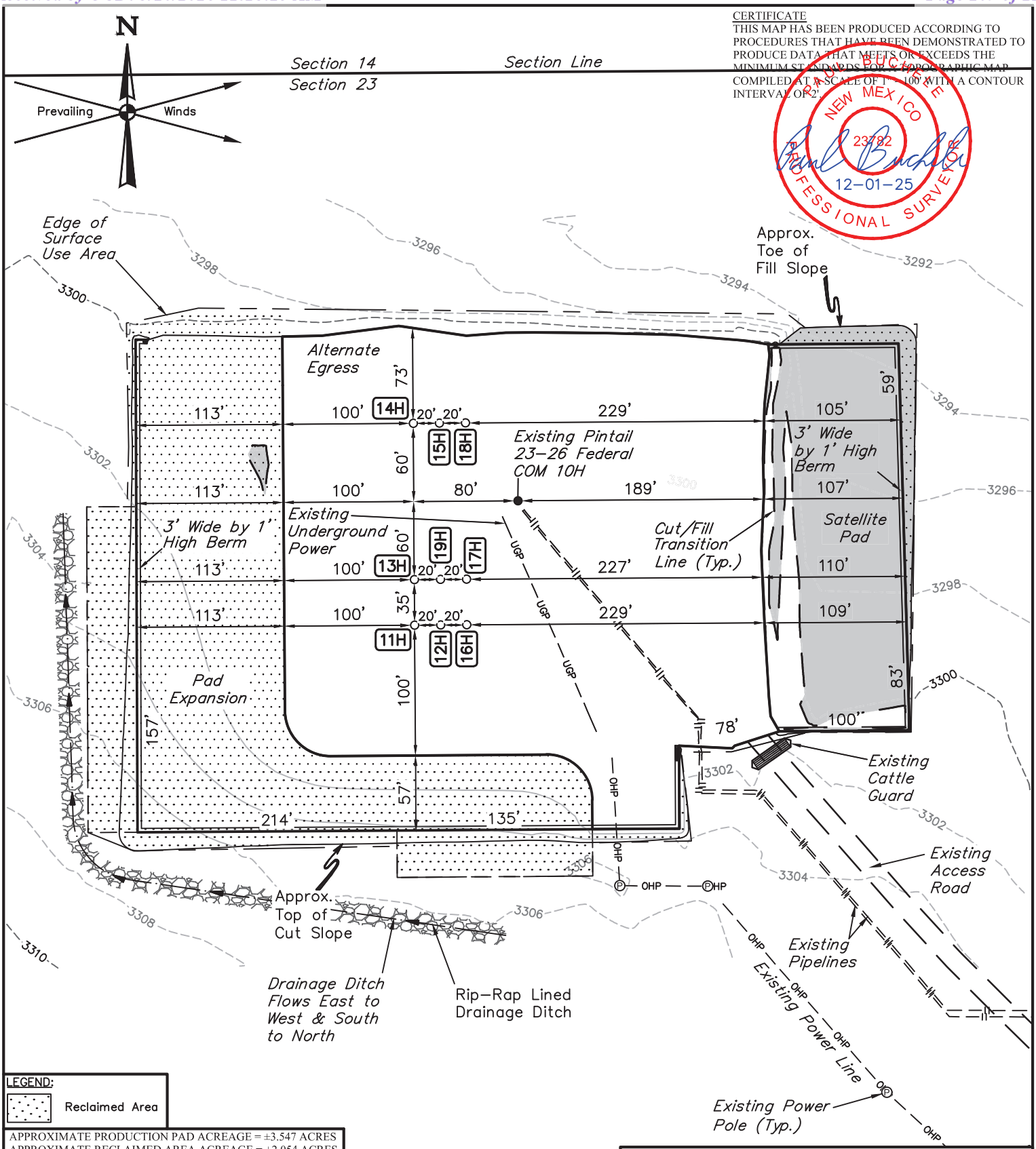
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

Wigeon 23-26 Water Transportation Map – Water supply 32.105560, -104.270009



Pintail 23-26-35 Fed Com Caliche Location – Section 5/T25S/R26E
32.165186, -104.315946





CERTIFICATE
THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1" = 100' WITH A CONTOUR INTERVAL OF 2'.

STATE OF NEW MEXICO 23782 Earl Buchli 12-01-25 PROFESSIONAL SURVEYOR

LEGEND:
Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±3.547 ACRES
APPROXIMATE RECLAIMED AREA ACREAGE = ±2.054 ACRES
TOTAL ACREAGE = ±5.601 ACRES

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:
- Contours shown at 2' intervals.

CIMAREX ENERGY CO. OF COLORADO

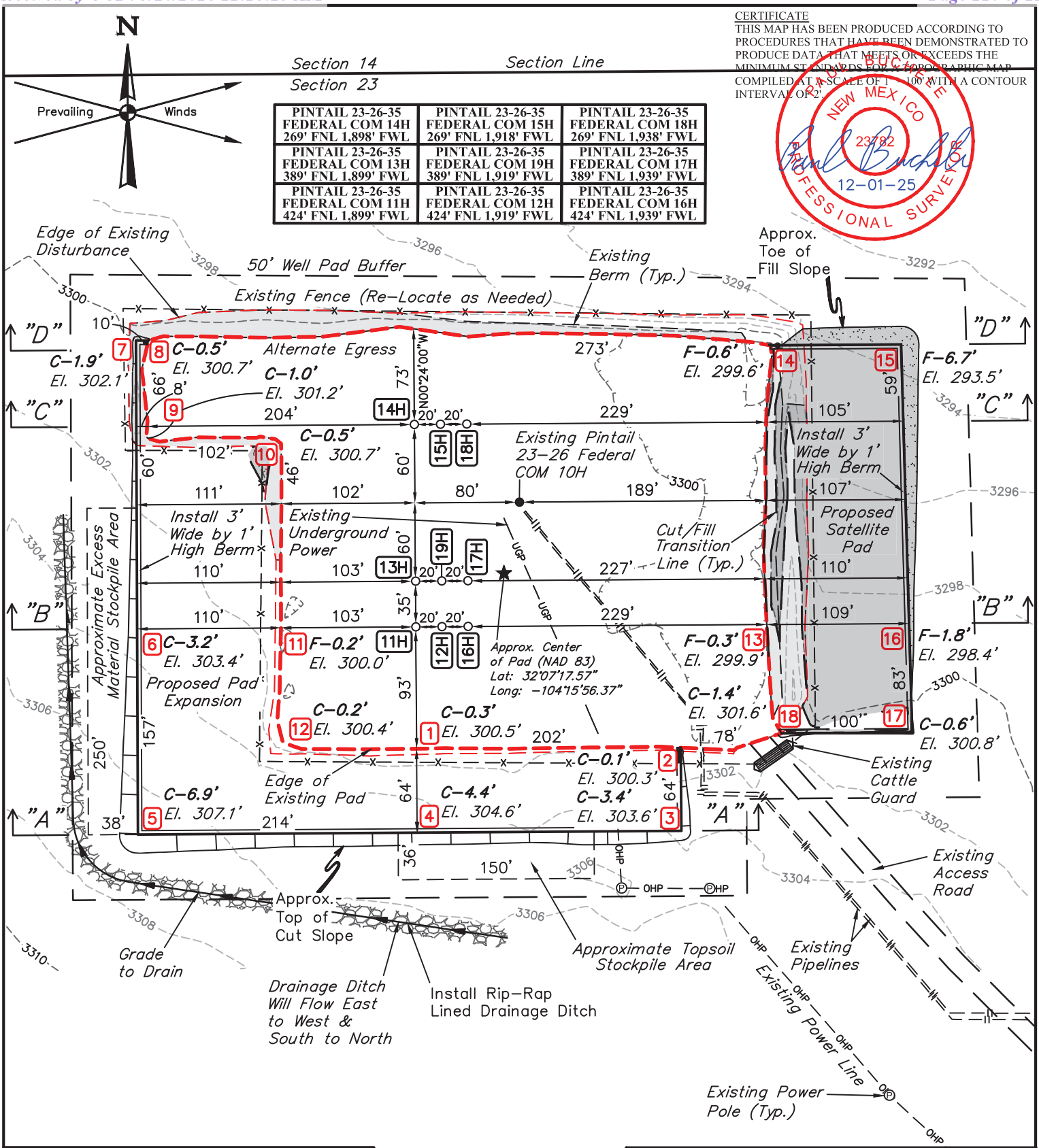
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	H.S.S.	11-06-25	1" = 100'

RECLAMATION DIAGRAM **EXHIBIT P**

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



FINISHED GRADE ELEVATION = **3,300.2'**

REV: 2 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:

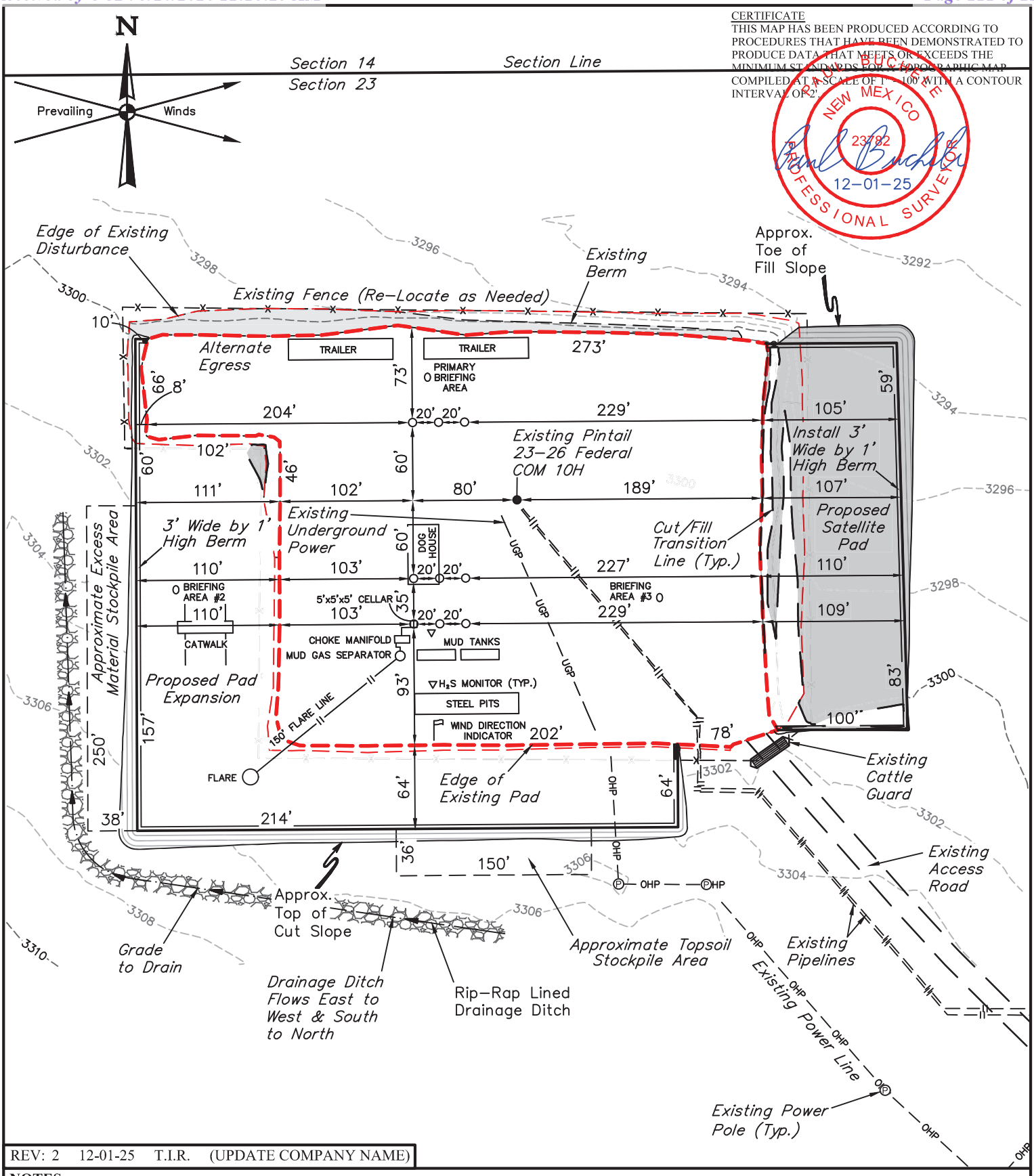
- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.
- Cut/Fill slopes 2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	D.J.S.	02-28-19	1" = 100'
LOCATION LAYOUT			EXHIBIT J

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



CERTIFICATE
THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1" = 100' WITH A CONTOUR INTERVAL OF 2'.

STATE OF NEW MEXICO 23782 Earl Buchli 12-01-25 PROFESSIONAL SURVEYOR

REV: 2	12-01-25	T.I.R.	(UPDATE COMPANY NAME)

NOTES:
- Contours shown at 2' intervals.

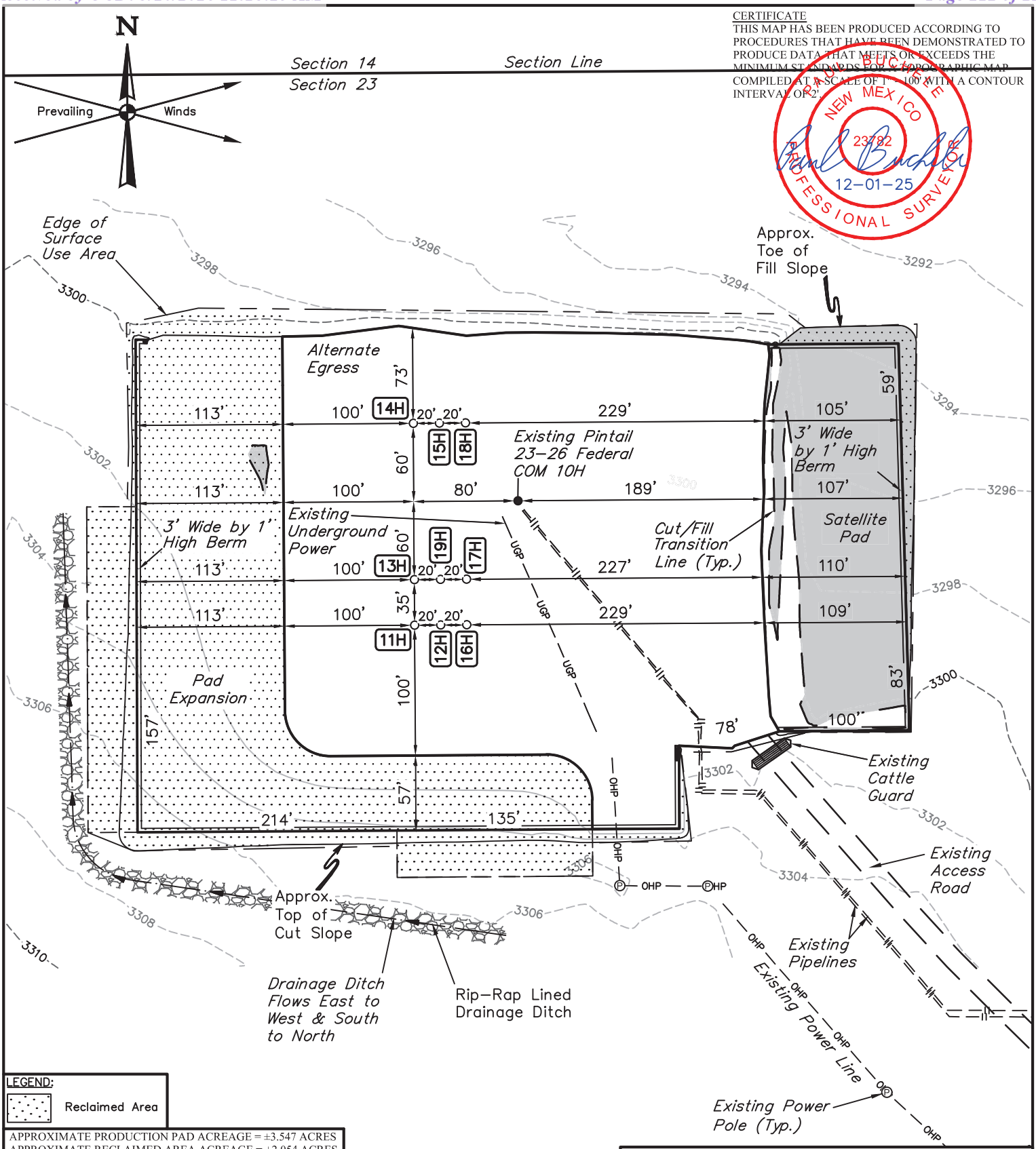
CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	D.J.S.	02-28-19	1" = 100'
TYPICAL RIG LAYOUT			EXHIBIT K

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



CERTIFICATE
THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1" = 100' WITH A CONTOUR INTERVAL OF 2'.

STATE OF NEW MEXICO 23782 Earl Buchli 12-01-25 PROFESSIONAL SURVEYOR

LEGEND:
Reclaimed Area

APPROXIMATE PRODUCTION PAD ACREAGE = ±3.547 ACRES
APPROXIMATE RECLAIMED AREA ACREAGE = ±2.054 ACRES
TOTAL ACREAGE = ±5.601 ACRES

REV: 1 12-01-25 T.I.R. (UPDATE COMPANY NAME)

NOTES:
- Contours shown at 2' intervals.

CIMAREX ENERGY CO. OF COLORADO

PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	H.S.S.	11-06-25	1" = 100'

RECLAMATION DIAGRAM **EXHIBIT P**

UINTAH ENGINEERING & LAND SURVEYING

UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

AFMSS
U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

PWD Data Report
03/18/2026

APD ID: 10400109583 **Submission Date:** 01/19/2026

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Well Type: OIL WELL **Well Work Type:** Drill

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit

Pit liner description:

Pit liner manufacturers

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule

Lined pit reclamation description:

Lined pit reclamation

Leak detection system description:

Leak detection system

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Lined pit Monitor description:

Lined pit Monitor

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information

Section 3 - Unlined

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): **PWD surface owner:**

Other PWD Surface Owner Description:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule

Unlined pit reclamation description:

Unlined pit reclamation

Unlined pit Monitor description:

Unlined pit Monitor

Do you propose to put the produced water to beneficial use?

Beneficial use user

Estimated depth of the shallowest aquifer (feet):

Precipitated Solids Permit

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

State

Unlined Produced Water Pit Estimated

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information

Section 4 -

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description:

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: **Injection well name:**

Assigned injection well API number? **Injection well API number:**

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection

Underground Injection Control (UIC) Permit?

UIC Permit

Section 5 - Surface

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Other PWD Surface Owner Description :

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 17H

Section 6 -

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

PWD Surface Owner Description:

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type

Have other regulatory requirements been met?

Other regulatory requirements

AFMSS

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Bond Info Data

03/18/2026

APD ID: 10400109583

Submission Date: 01/19/2026

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM

Well Number: 17H

Well Type: OIL WELL

Well Work Type: Drill

Highlighted data reflects the most recent changes

Show Final Text

Bond

Federal/Indian APD: FED

BLM Bond number: NMB001188

BIA Bond number:

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

BLM reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond amount:

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☐ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other

1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.

2. Name of Operator

9. API Well No.
30-015-58019

3a. Address	3b. Phone No. *(include area code)*	10. Field and Pool, or Exploratory

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface

At proposed prod. zone

11. Sec., T. R. M. or Blk. and Survey or Area

14. Distance in miles and direction from nearest town or post office*	12. County or Parish	13. State

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM.

25. Signature	Name *(Printed/Typed)*	Date

Title

Approved by *(Signature)*	Name *(Printed/Typed)*	Date

Title	Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

APPROVED WITH CONDITIONS

(Continued on page 2)

*(Instructions on page 2)

Approval Date: 03/18/2026

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the wen, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionany drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service wen or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record win be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM conects this information to anow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Approval Date: 03/18/2026

Additional Operator Remarks

Location of Well

0. SHL: NENW / 289 FNL / 1939 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.121531 / LONG: -104.265747 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1600 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.122316 / LONG: -104.266844 (TVD: 7077 feet, MD: 7093 feet)

PPP: NENW / 0 FNL / 1568 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.09354 / LONG: -104.267076 (TVD: 7665 feet, MD: 13957 feet)

PPP: NENW / 0 FNL / 1551 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.108065 / LONG: -104.266959 (TVD: 7666 feet, MD: 12307 feet)

PPP: NESW / 2642 FNL / 1558 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.100802 / LONG: -104.267018 (TVD: 7666 feet, MD: 13257 feet)

PPP: NESW / 2642 FNL / 1576 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.115328 / LONG: -104.266901 (TVD: 7669 feet, MD: 8611 feet)

BHL: SESW / 100 FSL / 1600 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.079297 / LONG: -104.267191 (TVD: 7659 feet, MD: 23092 feet)

BLM Point of Contact

Name: CANDY VIGIL
Title: LLE
Phone: (575) 234-5982
Email: CVIGIL@BLM.GOV

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

03/20/2026

Well Name: PINTAIL 23-26-35 FEDERAL COM

Well Location: T25S / R26E / SEC 23 / NENW / 32.121531 / -104.265747

County or Parish/State: EDDY / NM

Well Number: 17H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94076

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: COTERRA ENERGY OPERATING CO

Notice of Intent

Sundry ID: 2901444

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/19/2026

Time Sundry Submitted: 01:28

Date proposed operation will begin: 03/18/2026

Procedure Description: Coterra Energy Operating Co. respectfully requests a name change for the Pintail 23-26-35 Federal Com 17H (APD ID: 10400109583). Please change the Well Name from 'PINTAIL 23-26-35 FEDERAL COM' to 'PINTAIL 23-35 FEDERAL COM'. Please see the attached revised C102.

NOI Attachments

Procedure Description

PINTAIL_23_35_FEDERAL_COM_C102_17H_3.19.2026_20260319132804.pdf

Well Name: PINTAIL 23-26-35 FEDERAL COM

Well Location: T25S / R26E / SEC 23 / NENW / 32.121531 / -104.265747

County or Parish/State: EDDY / NM

Well Number: 17H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM94076

Unit or CA Name:

Unit or CA Number:

US Well Number:

Operator: COTERRA ENERGY OPERATING CO

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CRYSTAL DENSON

Signed on: MAR 19, 2026 01:28 PM

Name: COTERRA ENERGY OPERATING CO

Title: Regulatory Analyst

Street Address: 6001 DEAUVILLE BLVD SUITE 300N

City: MIDLAND **State:** TX

Phone: (432) 620-1644

Email address: CRYSTAL.DENSON@COTERRA.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: LONG VO

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5759885402

BLM POC Email Address: LVO@BLM.GOV

Disposition: Approved

Disposition Date: 03/20/2026

Signature: Long Vo

Form 3160-5
(October 2024)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0220
Expires: October 31, 2027

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NENW / 289 FNL / 1939 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.121531 / LONG: -104.265747 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 1600 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.122316 / LONG: -104.266844 (TVD: 7077 feet, MD: 7093 feet)

PPP: NENW / 0 FNL / 1568 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.09354 / LONG: -104.267076 (TVD: 7665 feet, MD: 13957 feet)

PPP: NENW / 0 FNL / 1551 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.108065 / LONG: -104.266959 (TVD: 7666 feet, MD: 12307 feet)

PPP: NESW / 2642 FNL / 1558 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.100802 / LONG: -104.267018 (TVD: 7666 feet, MD: 13257 feet)

PPP: NESW / 2642 FNL / 1576 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.115328 / LONG: -104.266901 (TVD: 7669 feet, MD: 8611 feet)

BHL: SESW / 100 FSL / 1600 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.079297 / LONG: -104.267191 (TVD: 7659 feet, MD: 23092 feet)

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	Pool Name
30-015-58019	97916	Wildcat G-04 S252623M; BONE SPRING

Property Code	Property Name	Well Number
339015	PINTAIL 23-35 FEDERAL COM	17H

OGRID No.	Operator Name	Ground Level Elevation
162683	CIMAREX ENERGY CO. OF COLORADO	3,300.2'

Surface Owner: ☐ State ☑ Fee ☐ Tribal ☑ Federal Mineral Owner: ☐ State ☑ Fee ☐ Tribal ☑ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		389 NORTH	1,939 WEST	32.121531°	-104.265747°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	35	25S	26E		100 SOUTH	1,600 WEST	32.079297°	-104.267191°	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
960	Infill Well	16H - Pending	Y	F

Order Numbers. Pending Well setbacks are under Common Ownership: ☑ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		100 NORTH	1,600 WEST	32.122316°	-104.266844°	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
C	23	25S	26E		100 NORTH	1,600 WEST	32.122316°	-104.266844°	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
N	35	25S	26E		100 SOUTH	1,600 WEST	32.079297°	-104.267191°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
N/A	☑ Horizontal ☐ Vertical	3,300.2'

OPERATOR CERTIFICATIONS

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.

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.

Crystal Denson — 3/19/2026

Signature — Date

Crystal Denson

Printed Name

Crystal. Denson@coterra.com

Email Address

SURVEYOR CERTIFICATIONS

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.

PAUL BUCHELE — NEW MEXICO — 23782 — PROFESSIONAL SURVEYOR — 10-23-25

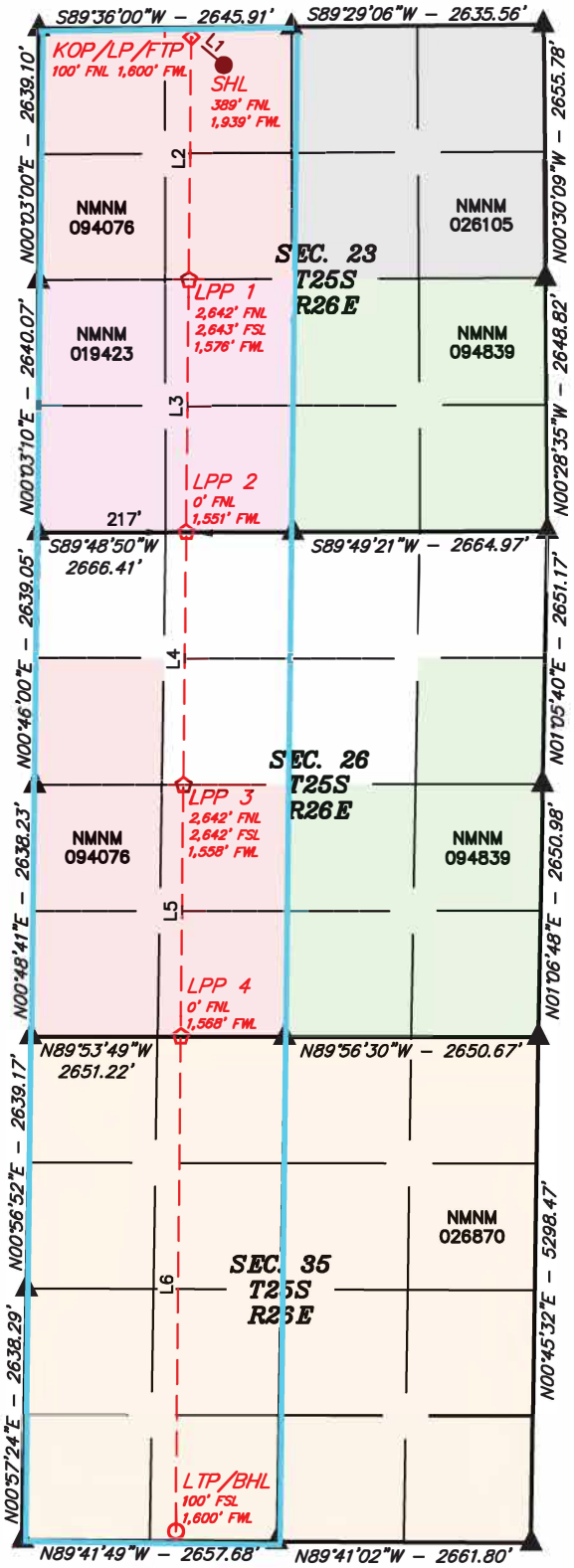
Signature and Seal of Professional Surveyor

23782 — Certificate Number

October 8, 2025 — Date of Survey

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

Property Name	Well Number	Drawn By	Revised By
PINTAIL 23-26-35 FEDERAL COM	17H	L.T.T. 10-23-25	



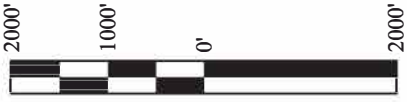
● = SURFACE HOLE LOCATION
◇ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
⬠ = LEASE PENETRATION POINT
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED

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)
- Colored areas represent Federal oil and gas leases.

LINE TABLE

LINE	DIRECTION	LENGTH
L1	N49°44'46"W	443.73'
L2	S00°35'52"W	2542.81'
L3	S00°35'52"W	2642.77'
L4	S00°35'52"W	2642.52'
L5	S00°35'52"W	2642.41'
L6	S00°35'52"W	5182.67'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.51" (32.121531°)
LONGITUDE = -104°15'56.69" (-104.265747°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.08" (32.121411°)
LONGITUDE = -104°15'54.90" (-104.265249°)
STATE PLANE NAD 83 (N.M. EAST)
N: 407955.65' E: 562260.72'
STATE PLANE NAD 27 (N.M. EAST)
N: 407898.51' E: 521077.79'
NAD 83 (KOP/LP/FTP)
LATITUDE = 32°07'20.34" (32.122316°)
LONGITUDE = -104°16'00.64" (-104.266844°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°07'19.91" (32.122196°)
LONGITUDE = -104°15'58.85" (-104.266346°)
STATE PLANE NAD 83 (N.M. EAST)
N: 408240.89' E: 561920.96'
STATE PLANE NAD 27 (N.M. EAST)
N: 408183.76' E: 520738.03'
NAD 83 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'55.18" (32.115328°)
LONGITUDE = -104°16'00.84" (-104.266901°)
NAD 27 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'54.75" (32.115208°)
LONGITUDE = -104°15'59.05" (-104.266403°)
STATE PLANE NAD 83 (N.M. EAST)
N: 405698.74' E: 561905.05'
STATE PLANE NAD 27 (N.M. EAST)
N: 405641.65' E: 520722.09'
NAD 83 (LEASE PENETRATION POINT 2)
LATITUDE = 32°06'29.03" (32.108065°)
LONGITUDE = -104°16'01.05" (-104.266959°)
NAD 27 (LEASE PENETRATION POINT 2)
LATITUDE = 32°06'28.60" (32.107944°)
LONGITUDE = -104°15'59.26" (-104.266462°)
STATE PLANE NAD 83 (N.M. EAST)
N: 403056.66' E: 561888.52'
STATE PLANE NAD 27 (N.M. EAST)
N: 402999.62' E: 520705.52'
NAD 83 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'02.89" (32.100802°)
LONGITUDE = -104°16'01.26" (-104.267018°)
NAD 27 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'02.46" (32.100682°)
LONGITUDE = -104°15'59.47" (-104.266521°)
STATE PLANE NAD 83 (N.M. EAST)
N: 400414.82' E: 561871.99'
STATE PLANE NAD 27 (N.M. EAST)
N: 400357.83' E: 520688.95'
NAD 83 (LEASE PENETRATION POINT 4)
LATITUDE = 32°05'36.75" (32.093540°)
LONGITUDE = -104°16'01.48" (-104.267076°)
NAD 27 (LEASE PENETRATION POINT 4)
LATITUDE = 32°05'36.31" (32.093420°)
LONGITUDE = -104°15'59.69" (-104.266579°)
STATE PLANE NAD 83 (N.M. EAST)
N: 397773.09' E: 561855.46'
STATE PLANE NAD 27 (N.M. EAST)
N: 397716.15' E: 520672.38'
NAD 83 (LTP/BHL)
LATITUDE = 32°04'45.47" (32.079297°)
LONGITUDE = -104°16'01.89" (-104.267191°)
NAD 27 (LTP/BHL)
LATITUDE = 32°04'45.04" (32.079177°)
LONGITUDE = -104°16'00.10" (-104.266695°)
STATE PLANE NAD 83 (N.M. EAST)
N: 392591.77' E: 561823.03'
STATE PLANE NAD 27 (N.M. EAST)
N: 392534.92' E: 520639.87'



Sheet 2 of 2

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

General Information
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 565175
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

☑	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	OGRID: 215099
	Action Number: 565175
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
cdenson	Cement is required to circulate on both surface and intermediate1 strings of casing.	3/20/2026
cdenson	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	3/20/2026
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	4/1/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	4/1/2026
ward.rikala	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.	4/1/2026
ward.rikala	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.	4/1/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	4/1/2026