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

- 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)
  -- Other SUPO Attachment: 1 file(s)

- PWD Report
- PWD Attachments
  -- None

- Bond Report
- Bond Attachments
  -- None

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.
30-015-58014

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 / 424 FNL / 1899 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.121434 / LONG: -104.265875 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.122279 / LONG: -104.270945 (TVD: 6640 feet, MD: 6819 feet)

PPP: NWSW / 2640 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.115299 / LONG: -104.270923 (TVD: 7217 feet, MD: 8185 feet)

PPP: NWNW / 0 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.108042 / LONG: -104.2709 (TVD: 7252 feet, MD: 12360 feet)

PPP: SWNW / 1320 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.104414 / LONG: -104.270942 (TVD: 7252 feet, MD: 12396 feet)

PPP: NWSW / 2644 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.100774 / LONG: -104.270984 (TVD: 7275 feet, MD: 16006 feet)

PPP: NWNW / 2644 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.100774 / LONG: -104.270984 (TVD: 7297 feet, MD: 17645 feet)

BHL: SWSW / 100 FSL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.079303 / LONG: -104.271291 (TVD: 7340 feet, MD: 22815 feet)

BLM Point of Contact

Name: CANDY VIGIL
Title: LLE
Phone: (575) 234-5982
Email: CVIGIL@BLM.GOV

Pintail 23 26 35 FEDERAL COM 11H

APD - Geology COAs (Not in Potash or WIPP)

- For at least one well per pad (deepest well within initial development preferred) the record of the drilling rate (ROP) along with the Gamma Ray (GR) and Neutron (CNL) well logs run from TVD to surface in the vertical section of the hole shall be submitted to the BLM office as well as all other logs run on the full borehole 30 days from completion. Any other logs run on the wellbore, excluding cement remediation, should also be sent. Only digital copies of the logs in .TIF or .LAS formats are necessary; paper logs are no longer required. Logs shall be emailed to blm-cfo-geology@doimspp.onmicrosoft.com. Well completion report should have .pdf copies of any CBLs or Temp Logs run on the wellbore.

- Exceptions: In areas where there is extensive log coverage (in particular the salt zone adjacent to a pad), Operators are encouraged to contact BLM Geologists to discuss if additional GR and N logs are necessary on a pad. Operator may request a waiver of the GR and N log requirement due to good well control or other reasons to be approved by BLM Geologist prior to well completion. A waiver approved by BLM must be attached to completion well report to satisfy COAs.

- The top of the Rustler, top and bottom of the Salt, and the top of the Capitan Reef (if present) are to be recorded on the Completion Report.

Be aware that:

- H2S has been reported within one mile of the proposed project. Measurements up to 1200 ppm were recorded from the Delaware Group.

Questions? Contact Thomas Evans, BLM Geologist at 575-234-5965 or tvevans@blm.gov

PECOS DISTRICT

SURFACE USE

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Coterra Energy Operating Co
LEASE NO.:	NMNM94076
COUNTY:	Eddy County, New Mexico

Wells:

Pintail 23-26-35 Federal Com 11H

Surface Hole Location: 424 feet FNL and 1899 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FSL and 330 feet FWL, Section 35, T. 25 S, R 26 E.

Pintail 23-26-35 Federal Com 12H

Surface Hole Location: 424 feet FNL and 1919 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FSL and 330 feet FWL, Section 35, T. 25 S, R 26 E.

Pintail 23-26-35 Federal Com 13H

Surface Hole Location: 389 feet FNL and 1899 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FSL and 330 feet FWL, Section 35, T. 25 S, R 26 E.

Pintail 23-26-35 Federal Com 16H

Surface Hole Location: 424 feet FNL and 1939 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FSL and 1600 feet FWL, Section 35, T. 25 S, R 26 E.

Pintail 23-26-35 Federal Com 17H

Surface Hole Location: 389 feet FNL and 1939 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FSL and 1600 feet FWL, Section 35, T. 25 S, R 26 E.

Pintail 23-26-35 Federal Com 19H

Surface Hole Location: 389 feet FNL and 1919 feet FWL, Section 23, T. 25 S., R. 26 E.

Bottom Hole Location: 100 feet FNL and 2319 feet FWL, Section 35, T. 25 S, R 26 E.

Approval Date: 03/18/2026

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1. GENERAL PROVISIONS

The failure of the operator to comply with these requirements may result in the assessment of liquidated damages or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

1.1. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the operator, or any person working on the operator's behalf, on the public or federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area (within 100ft) of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer, in conjunction with a BLM Cultural Resource Specialist, to determine appropriate actions to prevent the loss of significant scientific values. The operator shall be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

Traditional Cultural Properties (TCPs) are protected by NHPA as codified in 36 CFR 800 for possessing traditional, religious, and cultural significance tied to a certain group of individuals. Though there are currently no designated TCPs within the project area or within a mile of the project area, but it is possible for a TCP to be designated after the approval of this project. **If a TCP is designated in the project area after the project's approval, the BLM Authorized Officer will notify the operator of the following conditions and the duration for which these conditions are required.**

1. Temporary halting of all construction, drilling, and production activities to lower noise.
2. Temporary shut-off of all artificial lights at night.

The operator is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA), specifically NAGPRA Subpart B regarding discoveries, to protect human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered during project work. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and a BLM-CFO Authorized Officer will be notified immediately. The BLM will then be required to be notified, in writing, within 24 hours of the discovery. The written notification should include the geographic location by county and state, the contents of the discovery, and the steps taken to protect said discovery. You must also include any potential threats to the discovery and a conformation that all activity within 100ft of the discovery has ceased and work will not resume until written certification is issued. All work on the entire project must halt for a minimum of 3 days and work cannot resume until an Authorized Officer grants permission to do so.

Any paleontological resource discovered by the operator, or any person working on the operator's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. The operator will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the operator.

1.2. RANGELAND RESOURCES

1.2.1. **Cattleguards**

Where a permanent cattleguard is approved, an appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

1.2.2. **Fence Requirement**

Where entry granted across a fence line, the fence must be braced and tied off on both sides of the passageway prior to cutting. Once the work is completed, the fence will be restored to its prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

1.2.3. **Livestock Watering Requirement**

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

1.3. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA, New Mexico Department of Agriculture, and BLM requirements and policies.

1.3.1 African Rue (Peganum harmala)

Spraying: The spraying of African Rue must be completed by a licensed or certified applicator. In order to attempt to kill or remove African Rue the proper mix of chemical is needed. The mix consists of 2% Arsenal (Imazapyr) and 2% Roundup (Glyphosate) along with a nonionic surfactant. Any other chemicals or combinations shall be approved by the BLM Noxious Weeds Coordinator prior to treatment. African Rue shall be sprayed in connection to any dirt working activities or disturbances to the site being sprayed. Spraying of African Rue shall be done on immature plants at initial growth through flowering and mature plants between budding and flowering stages. Spraying shall not be conducted after flowering when plant is fruiting. This will ensure optimal intake of chemical and decrease chances of developing herbicide resistance. After spraying, the operator or necessary parties must contact the Carlsbad Field Office to inspect the effectiveness of the application treatment to the plant species. No ground disturbing activities can take place until the inspection by the authorized officer is complete. The operator may contact the Environmental Protection Department or the BLM Noxious Weed Coordinator at (575) 234-5972 or BLM_NM_CFO_NoxiousWeeds@blm.gov.

Management Practices: In addition to spraying for African Rue, good management practices should be followed. All equipment should be washed off using a power washer in a designated containment area. The containment area shall be bermed to allow for containment of the seed to prevent it from entering any open areas of the nearby landscape. The containment area shall be excavated near or adjacent to the well pad at a depth of three feet and just large enough to get equipment inside it to be washed off. This will allow all seeds to be in a centrally located area that can be treated at a later date if the need arises.

1.4. LIGHT POLLUTION

1.4.1. **Downfacing**

All permanent lighting will be pointed straight down at the ground in order to prevent light spill beyond the edge of approved surface disturbance.

1.4.2. **Shielding**

All permanent lighting will use full cutoff luminaires, which are fully shielded (i.e., not emitting direct or indirect light above an imaginary horizontal plane passing through the lowest part of the light source).

1.4.3. **Lighting Color**

Lighting shall be 3,500 Kelvin or less (Warm White) except during drilling, completion, and workover operations. No bluish-white lighting shall be used in permanent outdoor lighting.

2. SPECIAL REQUIREMENTS

2.1. WATERSHED

2.1.1. **General Construction**

- Any water erosion that may occur due to the construction of ROW/surface site and during the life of the ROW/surface site will be quickly corrected and proper measures will be taken to prevent future erosion.
    - Erosion control structures such as curled (plastic free and weed free) wood/straw fiber wattles/logs, silt fences, diversion berms, or other soil erosion controls to slow water migration across disturbed areas should be installed during construction and reclamation or as needed.
    - Regular monitoring of any erosion control structures placed in or along the ROW/surface site is recommended, both following precipitation events and regularly during monsoon season (June – September).
- Any spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

2.1.2. **Surface Site and/or Pad**

- The entire surface site/pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. No waterflow from the uphill side(s) of the pad shall be allowed to enter the pad.
- Topsoil shall not be used to construct the berm. The compacted berm should be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche).
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any water erosion that may occur due to the construction of the well pad during the life of the well will be immediately corrected and proper measures will be taken to prevent future erosion.
- Stockpiling of topsoil is required. The topsoil shall be stockpiled in an appropriate location with wattles (recommended minimum 9” height) surrounding the stockpiled soil to prevent soil loss due to water/wind erosion. The wattles are to be maintained throughout the life of the project.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state-approved facility.

2.1.3. **Tank Battery**

- Tank battery locations will be lined and bermed. Tank battery berms should be large enough to contain 1 ½ times the content of the largest tank or 24-hour production, whichever is greater. Liners should be permanently installed, at least 20 mil (0.20in) thick with a 4 oz. felt backing to prevent tears or punctures.
- Automatic shut off, check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

2.1.4. **Buried/Surface Line(s)**

- When crossing ephemeral drainages (marked and unmarked), the pipeline(s) will be buried to a minimum depth of **48 inches** from the top of pipe to ground level. In ephemeral flow paths, rivers, and streams excess soil is to be compacted, contoured, and level to ground surface, allowing water to flow in its natural state. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.
- Prior to pipeline installation/construction, a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan should incorporate an automatic shut-off system or manual shut-off valves with active monitoring to minimize the effects of an undesirable event.

- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.

2.1.5. **Electric Line(s)**

- A power pole must not be placed in drainages, playas, wetlands, riparian areas, or floodplains and must span across the features at a distance away that does not promote further erosion.

2.1.6. **Temporary Use Fresh Water Frac Line(s)**

- Once the temporary use exceeds the timeline of 180 days and/or with a 90-day extension status; further analysis will be required if the applicant pursues to turn the temporary ROW into a permanent ROW.
- The pipeline is to not obstruct ephemeral drainages or streams, allowing water to flow in its natural state unobstructed.
- Prior to pipeline installation/construction, a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan should incorporate an automatic shut-off system or manual shut-off valves with active monitoring to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.

2.2. CAVE/KARST

2.2.1. **General Construction**

- No blasting
- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction, and no additional construction shall occur until clearance has been issued by the Authorized Officer.
- All linear surface disturbance activities will avoid sinkholes and other karst features to lessen the possibility of encountering near surface voids during construction, minimize changes to runoff, and prevent untimely leaks and spills from entering the karst drainage system.
- This is a sensitive area and all spills or leaks will be reported to the BLM immediately for their immediate and proper treatment, as defined in NTL 3A for Major Undesirable Events.

2.2.2. **Pad Construction**

- The pad will be constructed and leveled by adding the necessary fill and caliche. No blasting will be used for any construction or leveling activities.
- The entire perimeter of the well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.
- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g., caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised (i.e. an access road crossing the berm cannot be lower than the berm height).
- Following a rain event, all fluids will be vacuumed off of the pad and hauled off-site and disposed at a proper disposal facility.

2.2.3. **Buried Pipeline/Cable Construction**

- Rerouting of the buried line(s) may be required if a subsurface void is encountered during construction to minimize the potential subsidence/collapse of the feature(s) as well as the possibility of leaks/spills entering the karst drainage system.

2.2.4. **Powerline Construction**

- Smaller powerlines will be routed around sinkholes and other karst features to avoid or lessen the possibility of encountering near surface voids and to minimize changes to runoff or possible leaks and spills from entering karst systems.
- Larger powerlines will adjust their pole spacing to avoid cave and karst features.
- Special restoration stipulations or realignment may be required if subsurface voids are encountered.

2.2.5. **Residual and Cumulative Mitigation**

The operator will perform annual pressure monitoring on all casing annuli. If the test results indicate a casing failure has occurred, contact a BLM Engineer immediately, and take remedial action to correct the problem.

2.2.6. **Plugging and Abandonment Mitigation**

Upon well abandonment in high cave karst areas, additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

2.3 WILDLIFE

2.3.1 **Texas Hornshell Mussel**

Oil and Gas and Associated Infrastructure Mitigation Measures for Zone D – CCA Boundary Requirements:

- Provide CEHMM with the permit, lease, or other authorization form BLM, if applicable.
- Provide CEHMM with plats or other electronic media describing the new surface disturbance for the project.

Oil and Gas Zone D - CCA Boundary requirements.

- Implement erosion control measures in accordance with the Reasonable and Prudent Practices for Stabilization (“RAPPS”)
- Comply with SPCC requirements in accordance with 40 CFR Part 112;
- Comply with the United States Army Corp of Engineers (USACE) Nationwide 12 General Permit, where applicable;
- Utilize technologies (like underground borings for pipelines), where feasible;
- Educate personnel, agents, contractors, and subcontractors about the requirements of conservation measures, COAs, Stips and provide direction in accordance with the Permit.

2.4 VISUAL RESOURCE MANAGEMENT

2.5.1 **VRM IV**

Above-ground structures including meter housing that are not subject to safety requirements are painted a flat non-reflective paint color, Shale Green from the BLM Standard Environmental Color Chart (CC-001: June 2008).

3. CONSTRUCTION REQUIREMENTS

3.1 CONSTRUCTION NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at BLM_NM_CFO_Construction_Reclamation@blm.gov at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and COAs on the well site and they shall be made available upon request by the Authorized Officer.

3.2 TOPSOIL

The operator shall strip the topsoil (the A horizon) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. No more than the top 6 inches of topsoil shall be removed. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (the B horizon and below) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

3.3 CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No reserve pits will be used for drill cuttings. The operator shall properly dispose of drilling contents at an authorized disposal site.

3.4 FEDERAL MINERAL PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

3.5 WELL PAD & SURFACING

Any surfacing material used to surface the well pad will be removed at the time of interim and final reclamation.

3.6 EXCLOSURE FENCING (CELLARS & PITS)

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the well cellar is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

The operator will also install and maintain mesh netting for all open well cellars to prevent access to smaller wildlife before and after drilling operations until the well cellar is free of fluids and the operator. Use a maximum netting mesh size of 1 ½ inches. The netting must not have holes or gaps.

3.7 ON LEASE ACCESS ROAD

3.7.1 **Road Width**

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

3.7.2 **Surfacing**

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements will be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

3.7.3 **Crowning**

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

3.7.4 **Ditching**

Ditching shall be required on both sides of the road.

3.7.5 **Turnouts**

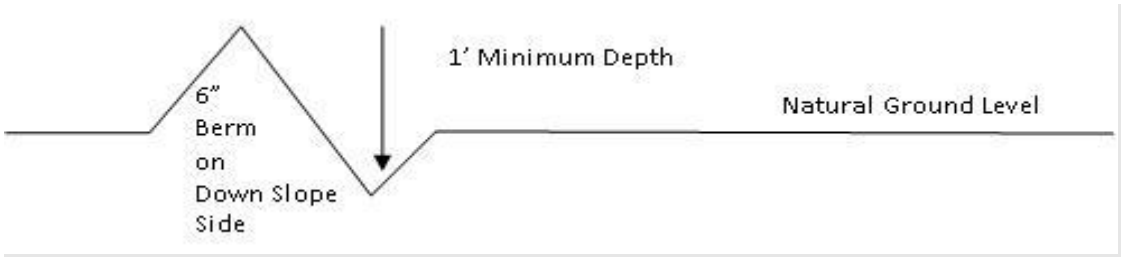
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

3.7.6 **Drainage**

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, leadoff ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$\text{400 foot road with 4\% road slope: } \frac{400'}{4} + 100' = 200' \text{ lead-off ditch interval}$$

3.7.7 **Public Access**

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

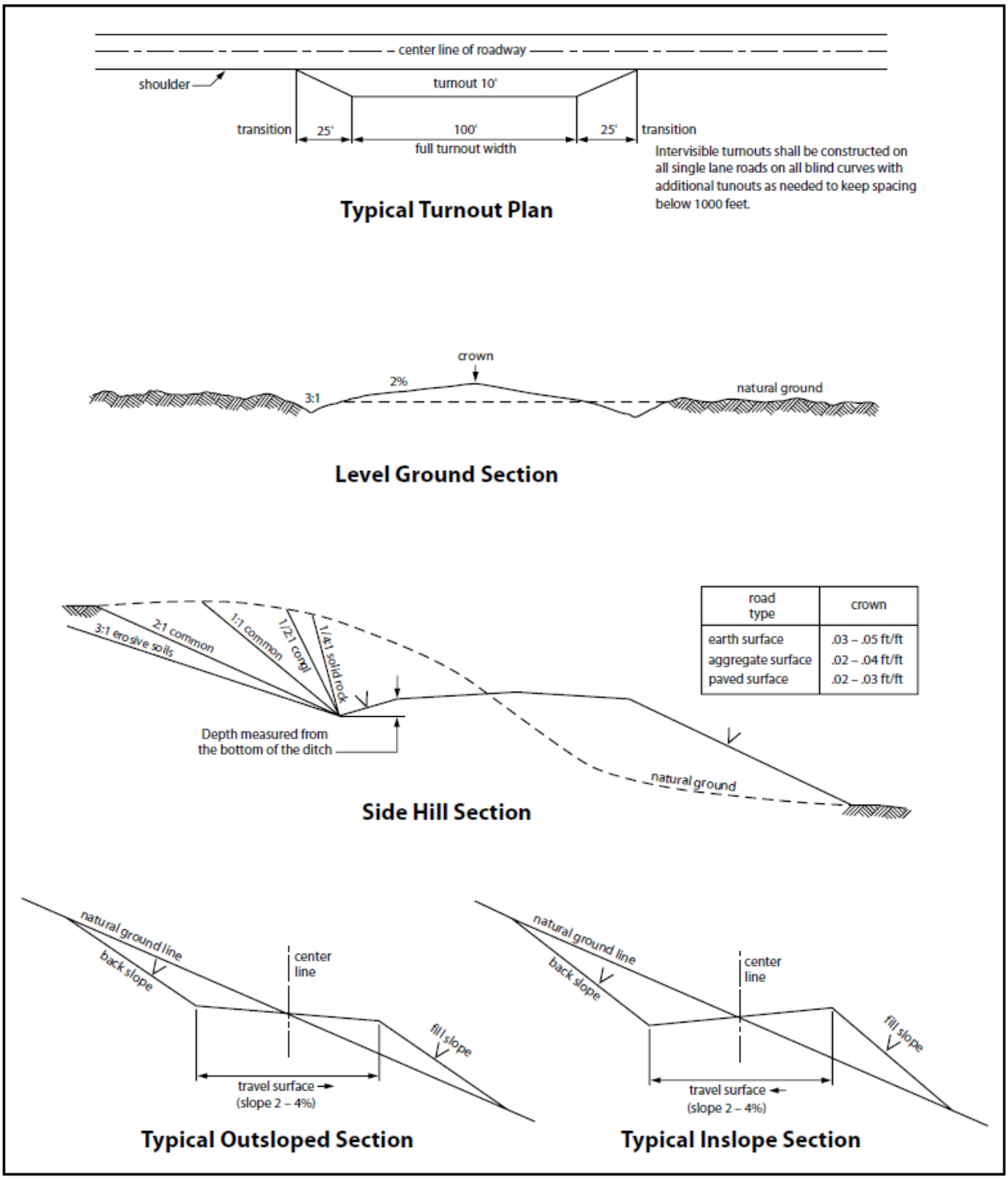


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

4. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, situating values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

4.1 BURIED PIPELINES

A copy of the application (APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request a copy of your permit during construction to ensure compliance with all stipulations.

Operator agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.

2. The Operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the pipeline corridor or on facilities authorized under this APD. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C.6901, et seq.) on the Pipeline corridor (unless the release or threatened release is wholly unrelated to the operator's activity on the pipeline corridor), or resulting from the activity of the Operator on the pipeline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant is discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of operator, regardless of fault. Upon failure of operator to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and

fish and wildlife habitats, at the full expense of the operator. Such action by the Authorized Officer shall not relieve operator of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized pipeline corridor.

6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this pipeline corridor will be 30 feet:

   - Blading of vegetation within the pipeline corridor will be allowed: maximum width of blading operations will not exceed **20** feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation*.)

   - Clearing of brush species within the pipeline corridor will be allowed: maximum width of clearing operations will not exceed **30** feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)

   - The remaining area of the pipeline corridor (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The operator shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately ___6___ inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this pipeline corridor and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire pipeline corridor shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted, and a 6-inch berm will be left over the ditch line to allow for settling back to grade.

10. The pipeline will be identified by signs at the point of origin and completion of the pipeline corridor and at all road crossings. At a minimum, signs will state the operator's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

11. The operator shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the operator before maintenance begins. The operator will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the operator to construct temporary deterrence structures.

12. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

13. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them alive at least 100 yards from the trench.
b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30-degree slope and spaced no more than 500 feet apart) shall be placed in the trench. Before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them alive at least 100 yards from the trench.

14. Special Stipulations:
Karst:

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- If a void is encountered, alignments may be rerouted to avoid the karst feature and lessen the potential of subsidence or collapse of karst features, buildup of toxic or combustible gas, or other possible impacts to cave and karst resources from the buried pipeline.
- Special restoration stipulations or realignment may be required at such intersections, if any.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, situating values and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

4.2 OVERHEAD ELECTRIC LINES

A copy of the APD and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Operator agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The operator shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this APD.

2. The operator shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the operator shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the powerline corridor or on facilities authorized under this powerline corridor. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

3. The operator agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Powerline corridor(unless the release or threatened release is wholly unrelated to the operator's activity on the powerline corridor), or resulting from the activity of the Operator on the powerline corridor. This agreement applies without regard to whether a release is caused by the operator, its agent, or unrelated third parties.

4. There will be no clearing or blading of the powerline corridor unless otherwise agreed to in writing by the Authorized Officer.
5. Power lines shall be constructed and designed in accordance to standards outlined in "Suggested Practices for Avian Protection on Power lines: The State of the Art in 2006" Edison Electric Institute, APLIC, and the California Energy Commission 2006 . The operator shall assume the burden and expense of proving that pole designs not shown in the above publication deter raptor perching, roosting, and nesting. Such proof shall be provided by a raptor expert approved by the Authorized Officer. The BLM reserves the right to require modification or additions to all powerline structures placed on this powerline corridor, should they be necessary to ensure the safety of large perching birds. Such modifications and/or additions shall be made by the operator without liability or expense to the United States.
6. Raptor deterrence will consist of but not limited to the following: triangle perch discouragers shall be placed on each side of the cross arms and a nonconductive perching deterrence shall be placed on all vertical poles that extend past the cross arms.
7. The operator shall minimize disturbance to existing fences and other improvements on public lands. The operator is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The operator will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
8. The BLM serial number assigned to this authorization shall be posted in a permanent, conspicuous manner where the power line crosses roads and at all serviced facilities. Numbers will be at least two inches high and will be affixed to the pole nearest the road crossing and at the facilities served.
9. Upon cancellation, relinquishment, or expiration of this APD, the operator shall comply with those abandonment procedures as prescribed by the Authorized Officer.
10. All surface structures (poles, lines, transformers, etc.) shall be removed within 180 days of abandonment, relinquishment, or termination of use of the serviced facility or facilities or within 180 days of abandonment, relinquishment, cancellation, or expiration of this APD, whichever comes first. This will not apply where the power line extends service to an active, adjoining facility or facilities.
11. Special Stipulations:
    - For reclamation remove poles, lines, transformer, etc. and dispose of properly. Fill in any holes from the poles removed.
12. Karst stipulations for overhead electric lines
    - Smaller powerlines will be routed around sinkholes and other karst features to avoid or lessen the possibility of encountering near surface voids and to minimize changes to runoff or possible leaks and spills from entering karst systems. Larger powerlines will adjust their pole spacing to avoid cave and karst features.
    - The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, cave passages, or voids are penetrated during construction.
    - No further construction will be done until clearance has been issued by the Authorized Officer.
    - Special restoration stipulations or realignment may be required.

4.3 RANGLAND MITIGATION FOR PIPELINES

4.5.1 **Fence Requirement**

Where entry is granted across a fence line, the fence must be braced and tied off on both sides of the passageway with H-braces prior to cutting. Once the work is completed, the fence will be restored to its

prior condition, or better. The operator shall notify the private surface landowner or the grazing allotment operator prior to crossing any fence(s).

4.5.2 **Cattleguards**

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at road-fence crossing(s). Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations. A gate shall be constructed on one side of the cattleguard and fastened securely to H-braces.

4.5.3 **Livestock Watering Requirement**

Structures that provide water to livestock, such as windmills, pipelines, drinking troughs, and earthen reservoirs, will be avoided by moving the proposed action.

Any damage to structures that provide water to livestock throughout the life of the well, caused by operations from the well site, must be immediately corrected by the operator. The operator must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment operator if any damage occurs to structures that provide water to livestock.

- Livestock operators will be contacted, and adequate crossing facilities will be provided as needed to ensure livestock are not prevented from reaching water sources because of the open trench.
- Wildlife and livestock trails will remain open and passable by adding soft plugs (areas where the trench is excavated and replaced with minimal compaction) during the construction phase. Soft plugs with ramps on either side will be left at all well-defined livestock and wildlife trails along the open trench to allow passage across the trench and provide a means of escape for livestock and wildlife that may enter the trench.
- Trenches will be backfilled as soon as feasible to minimize the amount of open trench. The Operator will avoid leaving trenches open overnight to the extent possible and open trenches that cannot be backfilled immediately will have escape ramps (wooden) placed at no more than 2,500 feet intervals and sloped no more than 45 degrees.

5. PRODUCTION (POST DRILLING)

5.1 WELL STRUCTURES & FACILITIES

5.1.1 **Placement of Production Facilities**

Production facilities must be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

5.1.2 **Exclosure Netting (Open-top Tanks)**

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

5.1.3. Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

5.1.4. Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone*.) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

5.1.5. Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

6. RECLAMATION

Stipulations required by the Authorized Officer on specific actions may differ from the following general guidelines

6.1 ROAD AND SITE RECLAMATION

Any roads constructed during the life of the well will have the caliche removed or linear burial. If contaminants are indicated then testing will be required for chlorides and applicable contaminate anomalies for final disposal determination (disposed of in a manner approved by the Authorized Officer within Federal, State and Local statutes, regulations, and ordinances) and seeded to the specifications in sections 6.5 and 6.6.

6.2 EROSION CONTROL

Install erosion control berms, windrows, and hummocks. Windrows must be level and constructed perpendicular to down-slope drainage; steeper slopes will require greater windrow density. Topsoil between windrows must be ripped to a depth of at least 12”, unless bedrock is encountered. Any large boulders pulled up during ripping must be deep-buried on location. Ripping must be perpendicular to down-slope. The surface must be left rough in order to catch and contain rainfall on-site. Any trenches resulting from erosion cause by run-off shall be addressed immediately.

6.3 INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations must undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators must work with BLM surface protection specialists (BLM_NM_CFO_Construction_Reclamation@blm.gov) to devise the best strategies to reduce the size of the location. Interim reclamation must allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche and any other surface material is required. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided in section 6.6.

Upon completion of interim reclamation, the operator shall submit a Sundry Notice, Subsequent Report of Reclamation (Form 3160-5).

6.4 FINAL ABANDONMENT & RECLAMATION

Prior to surface abandonment, the operator shall submit a Notice of Intent Sundry Notice and reclamation plan.

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding will be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM. After earthwork and seeding is completed, the operator is required to submit a Sundry Notice, Subsequent Report of Reclamation.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (BLM_NM_CFO_Construction_Reclamation@blm.gov).

6.5 SEEDING TECHNIQUES

Seeds shall be hydro-seeded, mechanically drilled, or broadcast, with the broadcast-seeded area raked, ripped or dragged to aid in covering the seed. The seed mixture shall be evenly and uniformly planted over the disturbed area.

6.6 SOIL SPECIFIC SEED MIXTURE

The lessee/permitee shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed land application will be accomplished by mechanical planting using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area. Smaller/heavier seeds tend to drop the bottom of the drill and are planted first; the operator shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory BLM or Soil Conservation

District stand is established as determined by the Authorized Officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding or until several months of precipitation have occurred, enabling a full four months of growth, with one or more seed generations being established.

Seed Mixture 1 for Loamy Sites

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Plains lovegrass (Eragrostis intermedia)	0.5
Sand dropseed (Sporobolus cryptandrus)	1.0
Sideoats grama (Bouteloua curtipendula)	5.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Coterra Energy Operating Co**
LOCATION:	Section 23, T.25 S., R.26 E., NMPM
COUNTY:	Eddy County, New Mexico

WELL NAME & NO.:	**Pintail 23-26-35 Federal Com 11H**
ATS/API ID:	**ATS-26-909**
APD ID:	**10400109453**
Sundry ID:	**N/a**

WELL NAME & NO.:	**Pintail 23-26-35 Federal Com 12H**
ATS/API ID:	**ATS-26-908**
APD ID:	**10400109580**
Sundry ID:	**N/a**

WELL NAME & NO.:	**Pintail 23-26-35 Federal Com 16H**
ATS/API ID:	**ATS-26-912**
APD ID:	**10400109582**
Sundry ID:	**N/a**

WELL NAME & NO.:	**Pintail 23-26-35 Federal Com 17H**
ATS/API ID:	**ATS-26-911**
APD ID:	**10400109583**
Sundry ID:	**N/a**

COA

Approval Date: 03/18/2026

H2S	Yes		
Potash	None	None	
Cave/Karst Potential	High		
Cave/Karst Potential	☐ Critical		
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	Conventional and Multibowl		
Other	☐ 4 String ☐ 5 String	Capitan Reef None	☐ WIPP
Other	Pilot Hole None	☐ Open Annulus	
Cementing	Contingency Squeeze None	Echo-Meter None	Primary Cement Squeeze None
Special Requirements	☐ Water Disposal/Injection	☑ COM	☐ Unit
Special Requirements	☐ Batch Sundry	Waste Prevention Waste MP	
Special Requirements Variance	☐ BOPE Break Testing ☐ Offline BOPE Testing	☐ Offline Cementing	☐ Casing Clearance

Approval Date: 03/18/2026

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet **43 CFR part 3170 Subpart 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **350 feet** (a minimum of 70 feet into the Rustler Anhydrite and above the salt when present, and below usable fresh water) and cemented to the surface. The surface hole shall be **17 1/2** inch in diameter.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
    d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing shall be set at approximately **1895 feet** is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

    ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

    - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.

b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** inch intermediate casing shoe shall be **5000 (5M)** psi.

Option 2:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record),

or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in **43 CFR part 3170 Subpart 3171**
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☑ Eddy County
EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
BLM_NM_CFO_DrillingNotifications@BLM.GOV
(575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or

if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Acceptable Method of Cement Verifications:

    a. Observing cement circulated to surface.
    b. Cement bond log (CBL).
    c. Temperature log within 8-10 hours after completing the cement job.
    d. Echometer (if a second-stage bradenhead squeeze is being used).

5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

7. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

8. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

9. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

 Approval Date: 03/18/2026

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin

after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Long Vo (LVO) 3/16/2026

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: SHELLY BOWEN **Signed on:** 03/13/2026

Title: Regulatory Analyst

Street Address: 6001 DEAUVILLE BLVD STE 300N

City: MIDLAND **State:** TX **Zip:** 79706

Phone: (432)620-1644

Email address: DL_PBUREGULATORY@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: 10400109453
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 11H
Well Type: OIL WELL
Well Work Type: Drill

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - General

APD ID: 10400109453
Tie to previous NOS?
Submission Date: 01/19/2026
BLM Office: Carlsbad
User: SHELLY BOWEN
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: 11H
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:** 11H

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_11H_01062026_20260108143850.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	424	FNL	1899	FWL	25S	26E	23	Aliquot NENW	32.121434	-104.265875	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	3300			Y
KOP Leg #1	100	FNL	330	FWL	25S	26E	23	Aliquot NWNW	32.122279	-104.270945	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3340	6819	6640	N
PPP Leg #1-1	100	FNL	330	FWL	25S	26E	23	Aliquot NWNW	32.122279	-104.270945	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3340	6819	6640	N

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 11H

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	2640	FNL	330	FWL	25S	26E	23	Aliquot NWSW	32.115299	-104.270923	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 19423	-3917	8185	7217	Y
PPP Leg #1-3	0	FNL	330	FWL	25S	26E	26	Aliquot NWNW	32.108042	-104.2709	EDDY	NEW MEXICO	NEW MEXICO	F	FEE	-3952	12360	7252	N
PPP Leg #1-4	1320	FNL	330	FWL	25S	26E	26	Aliquot SWNW	32.104414	-104.270942	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3952	12396	7252	Y
PPP Leg #1-5	2644	FNL	330	FWL	25S	26E	35	Aliquot NWSW	32.100774	-104.270984	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3975	16006	7275	Y
PPP Leg #1-6	2644	FNL	330	FWL	25S	26E	35	Aliquot NWNW	32.100774	-104.270984	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 94076	-3997	17645	7297	Y
EXIT Leg #1	100	FSL	330	FWL	25S	26E	35	Aliquot SWSW	32.079303	-104.271291	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 26870	-4040	22815	7340	Y
BHL Leg #1	100	FSL	330	FWL	25S	26E	35	Aliquot SWSW	32.079303	-104.271291	EDDY	NEW MEXICO	NEW MEXICO	F	NMNM 26870	-4040	22815	7340	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	Pool Name
30-015-58014	97916	Wildcat G-04 S252623M; BONE SPRING

Property Code	Property Name	Well Number
339014	PINTAIL 23-26-35 FEDERAL COM	11H

OGRID No.	Operator Name	Ground Level Elevation
162683	CIMAREX ENERGY CO. OF COLORADO	3,300.4'

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		424 NORTH	1,899 WEST	32.121434°	-104.265875°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
M	35	25S	26E		100 SOUTH	330 WEST	32.079303°	-104.271291°	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
D	23	25S	26E		100 NORTH	330 WEST	32.122279°	-104.270945°	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
D	23	25S	26E		100 NORTH	330 WEST	32.122279°	-104.270945°	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
M	35	25S	26E		100 SOUTH	330 WEST	32.079303°	-104.271291°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
N/A	☑ Horizontal ☐ Vertical	3,300.4'

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

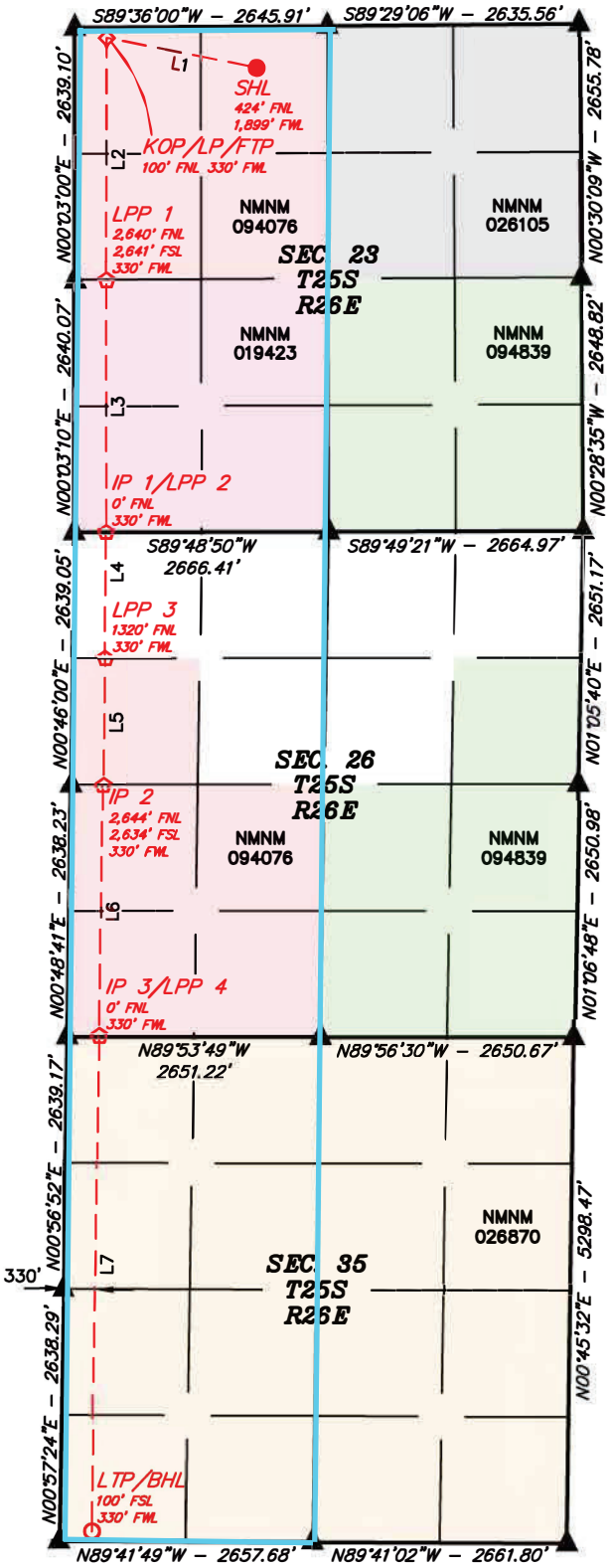
Signature and Seal of Professional Surveyor

23782 — 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	11H	L.T.T. 10-23-25	

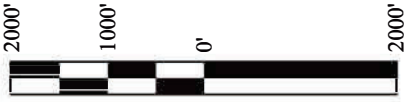


● = SURFACE HOLE LOCATION
◇ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
⬠ = LEASE PENETRATION POINT/ INFLECTION POINT
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED

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	N78°42'45"W	1599.85'
L2	S00°03'05"W	2539.81'
L3	S00°03'05"W	2640.58'
L4	S00°45'57"W	1319.91'
L5	S00°45'57"W	1324.76'
L6	S00°48'41"W	2634.28'
L7	S00°57'07"W	5178.61'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.16" (32.121434°)
LONGITUDE = -104°15'57.15" (-104.265875°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'16.73" (32.121314°)
LONGITUDE = -104°15'55.36" (-104.265377°)
STATE PLANE NAD 83 (N.M. EAST)
N: 407920.21' E: 562221.12'
STATE PLANE NAD 27 (N.M. EAST)
N: 407863.08' E: 521038.19'
NAD 83 (KOP/LP/FTP)
LATITUDE = 32°07'20.20" (32.122279°)
LONGITUDE = -104°16'15.40" (-104.270945°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°07'19.77" (32.122159°)
LONGITUDE = -104°16'13.61" (-104.270448°)
STATE PLANE NAD 83 (N.M. EAST)
N: 408226.73' E: 560651.30'
STATE PLANE NAD 27 (N.M. EAST)
N: 408169.62' E: 519468.39'
NAD 83 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'55.08" (32.115299°)
LONGITUDE = -104°16'15.32" (-104.270923°)
NAD 27 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'54.64" (32.115179°)
LONGITUDE = -104°16'13.53" (-104.270426°)
STATE PLANE NAD 83 (N.M. EAST)
N: 405687.54' E: 560659.63'
STATE PLANE NAD 27 (N.M. EAST)
N: 405630.47' E: 519476.67'
NAD 83 (IP 1/LPP 2)
LATITUDE = 32°06'28.95" (32.108042°)
LONGITUDE = -104°16'15.24" (-104.270900°)
NAD 27 (IP 1/LPP 2)
LATITUDE = 32°06'28.52" (32.107922°)
LONGITUDE = -104°16'13.45" (-104.270403°)
STATE PLANE NAD 83 (N.M. EAST)
N: 403047.60' E: 560668.28'
STATE PLANE NAD 27 (N.M. EAST)
N: 402990.58' E: 519485.29'
NAD 83 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'15.89" (32.104414°)
LONGITUDE = -104°16'15.39" (-104.270942°)
NAD 27 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'15.46" (32.104294°)
LONGITUDE = -104°16'13.60" (-104.270444°)
STATE PLANE NAD 83 (N.M. EAST)
N: 401728.07' E: 560656.15'
STATE PLANE NAD 27 (N.M. EAST)
N: 401671.07' E: 519473.14'
NAD 83 (INFLECTION POINT 2)
LATITUDE = 32°06'02.79" (32.100774°)
LONGITUDE = -104°16'15.54" (-104.270984°)
NAD 27 (INFLECTION POINT 2)
LATITUDE = 32°06'02.35" (32.100654°)
LONGITUDE = -104°16'13.75" (-104.270486°)
STATE PLANE NAD 83 (N.M. EAST)
N: 400403.67' E: 560643.98'
STATE PLANE NAD 27 (N.M. EAST)
N: 400346.70' E: 519460.95'
NAD 83 (IP 3/LPP 4)
LATITUDE = 32°05'36.72" (32.093534°)
LONGITUDE = -104°16'15.86" (-104.271074°)
NAD 27 (IP 3/LPP 4)
LATITUDE = 32°05'36.29" (32.093414°)
LONGITUDE = -104°16'14.07" (-104.270576°)
STATE PLANE NAD 83 (N.M. EAST)
N: 397770.16' E: 560617.68'
STATE PLANE NAD 27 (N.M. EAST)
N: 397713.23' E: 519434.61'
NAD 83 (LTP/BHL)
LATITUDE = 32°04'45.49" (32.079303°)
LONGITUDE = -104°16'16.65" (-104.271291°)
NAD 27 (LTP/BHL)
LATITUDE = 32°04'45.06" (32.079183°)
LONGITUDE = -104°16'14.86" (-104.270794°)
STATE PLANE NAD 83 (N.M. EAST)
N: 392593.19' E: 560553.25'
STATE PLANE NAD 27 (N.M. EAST)
N: 392536.36' E: 519370.10'



Sheet 2 of 2

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

Drilling Plan Data Report
03/18/2026

APD ID: 10400109453
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 11H
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
17672177	RUSTLER	-1575	438	438	ANHYDRITE, SANDSTONE	USEABLE WATER	N
17672178	TOP SALT	-2658	1083	1083	ANHYDRITE	NONE	N
17672179	BASE OF SALT	-3249	1674	1674	ANHYDRITE	NONE	N
17672180	BASAL ANHYDRITE	-3461	1886	1886	ANHYDRITE	NONE	N
17672181	LAMAR	-3475	1900	1900	SANDSTONE	NONE	N
17672182	BELL CANYON	-3598	2023	2023	SANDSTONE	NONE	N
17672183	CHERRY CANYON	-4274	2699	2699	SANDSTONE	NONE	N
17672184	BRUSHY CANYON	-5385	3810	3810	SANDSTONE	NONE	N
17672185	BONE SPRING LIME	-7268	5693	5693	LIMESTONE	NATURAL GAS, OIL	Y
17672187	BONE SPRING 1ST	-7953	6378	6378	SANDSTONE	NATURAL GAS, OIL	Y
17672188	BONE SPRING 2ND	-8124	6549	6549	SHALE	NATURAL GAS, OIL	Y
17672189	BONE SPRING 2ND	-8489	6914	6914	SANDSTONE	NATURAL GAS, OIL	Y
17672190	BONE SPRING 2ND	-8790	7215	7215	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:** 11H

Pressure Rating (PSI): 10M **Rating Depth:** 22815

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	1950	0	1900	3288	1400	1950	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	22815	0	7340	3288	-4040	22815	P-110	20	BUTT	3.06	3.41	BUOY	61.4	BUOY	61.4

Casing Attachments

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 11H

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):

11H_Casing_Assumptions_20260119072832.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:** 11H

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	1650	358	1.88	12.9	673	54	35:65 Poz C	Salt + Bentonite
INTERMEDIATE	Tail		1650	1900	111	1.34	14.8	149	54	Class C	LCM
PRODUCTION	Lead		1750	21815	493	3.64	10.3	1795	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:** 11H

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	22815	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: 3625 **Anticipated Surface Pressure:** 2010

Anticipated Bottom Hole Temperature(F): 146

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:** 11H

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:

WELL_CONTROL_PLAN_REV.0_20260108072349.pdf
Pintail_23_26_35_Federal_Com_11H_Plan__1_20260116112248.pdf
Pintail_23_26_35_Federal_Com_11H_Plan__1_Plot_20260116112248.pdf
Pintail_23_26_35_Federal_Com_11H_Plan__1_AC_Report_20260116112248.pdf
Pintail_11H_Drilling_Plan_New_Mexico_20260119073234.pdf

Other proposed operations facets description:

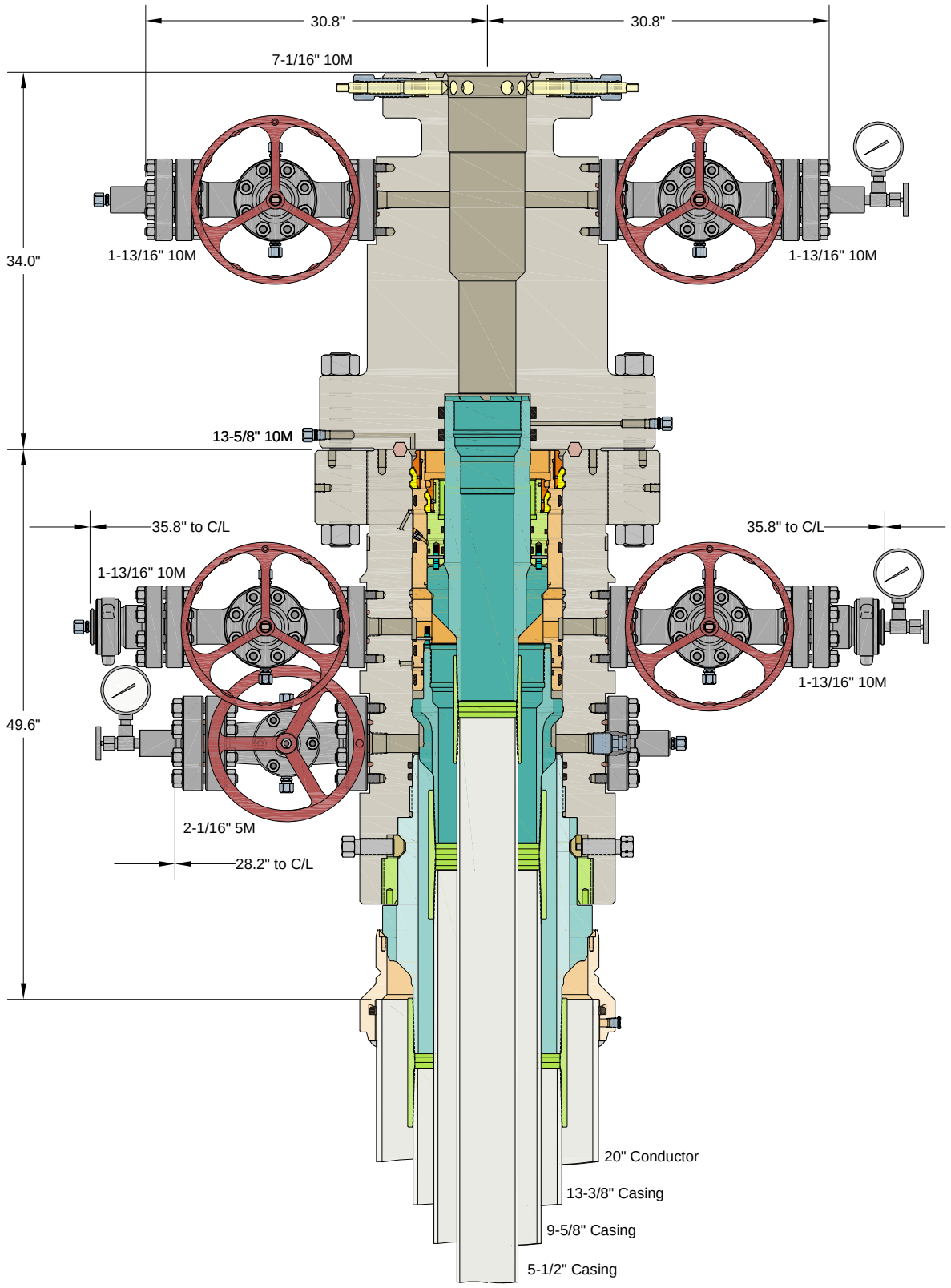
Other proposed operations facets attachment:

PINTAIL_23_26_35_FED_COM_Rig_Layout_Plat_20260108100955.pdf
Pintail_11H_Natural_Gas_Plan_Cimarex_20260126200417.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

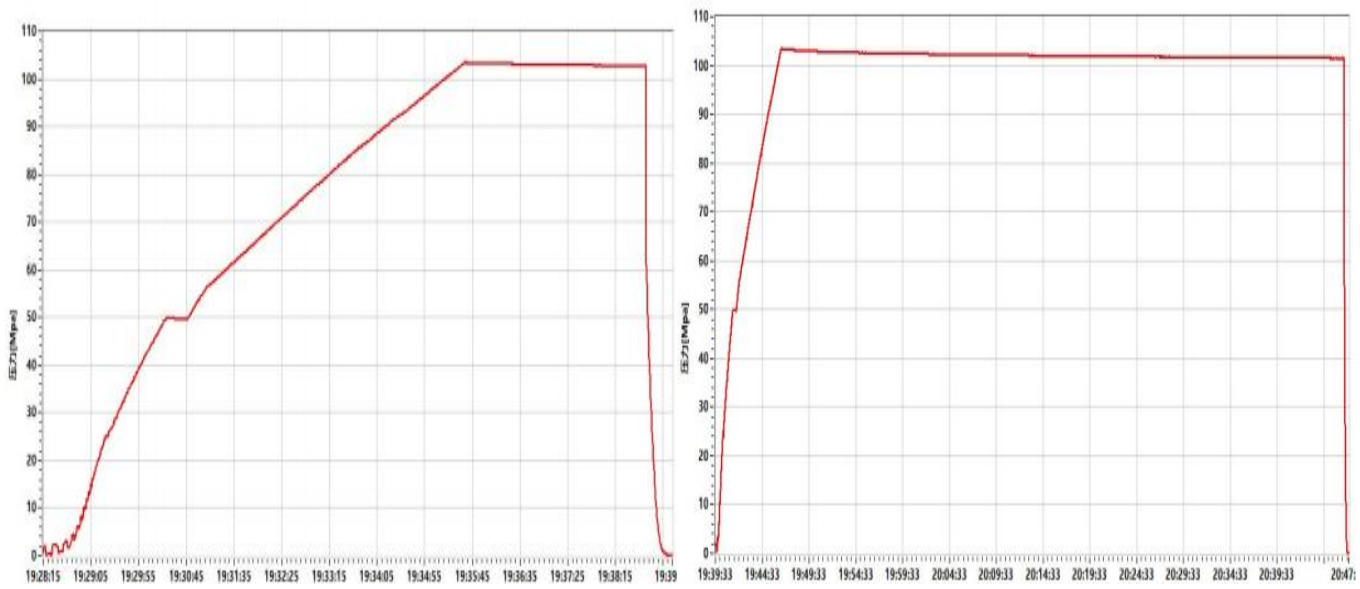
AustinHOSE

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

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

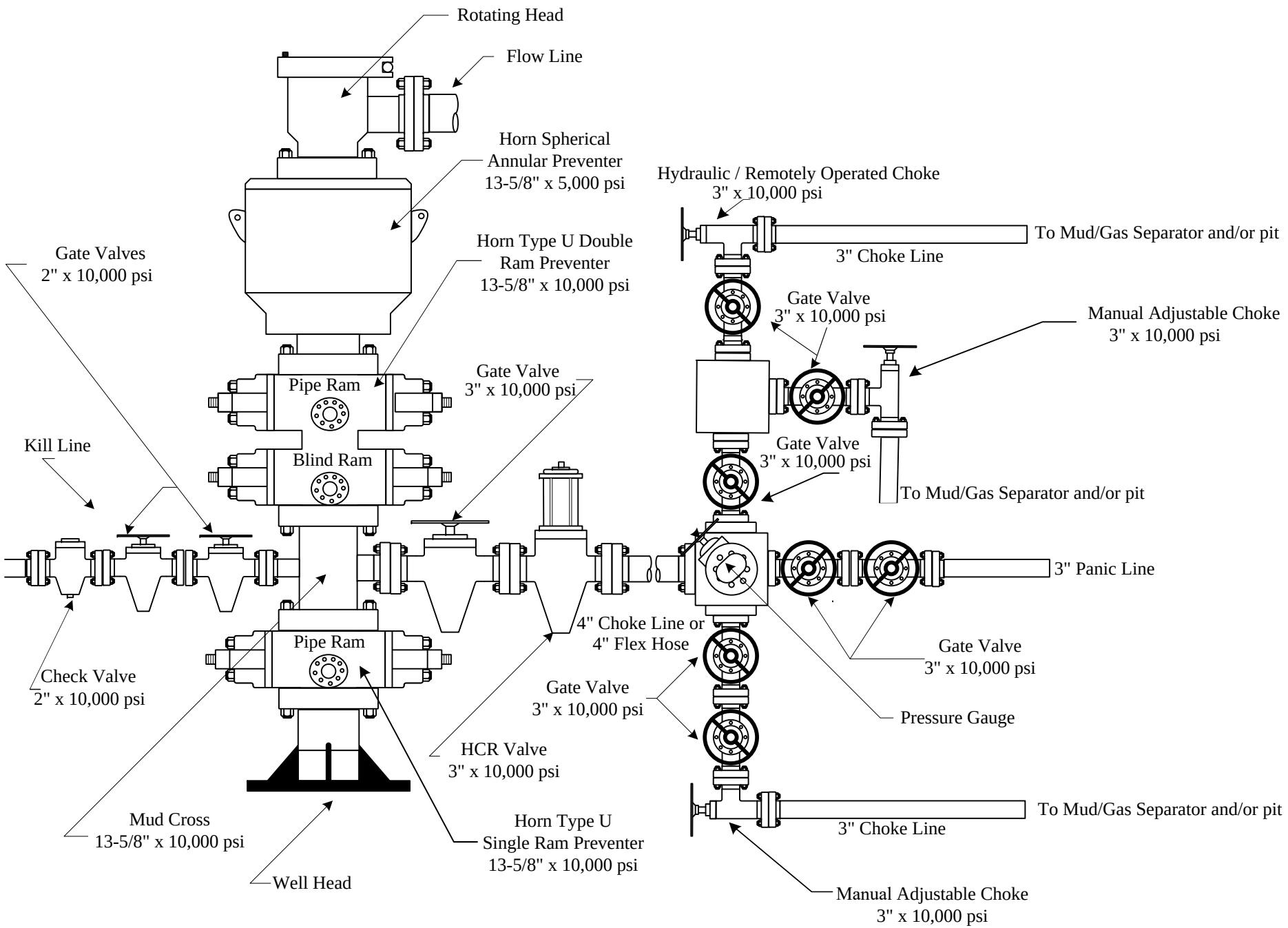
The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Sep,2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3rd edition on Sep 3, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies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

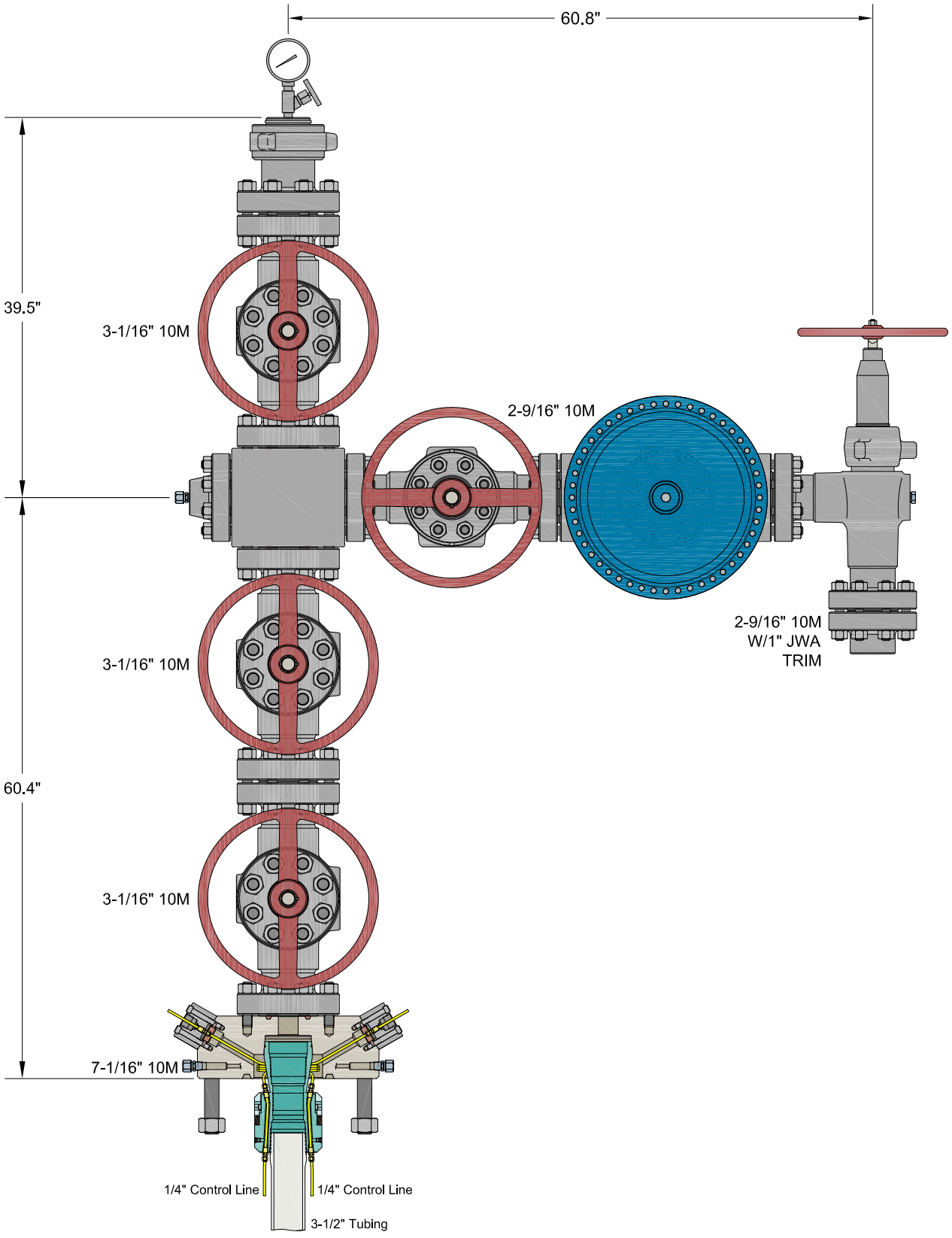
QC Manager： Jane C Date:Sep 3, 2024

16C-0403

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD	LETONE

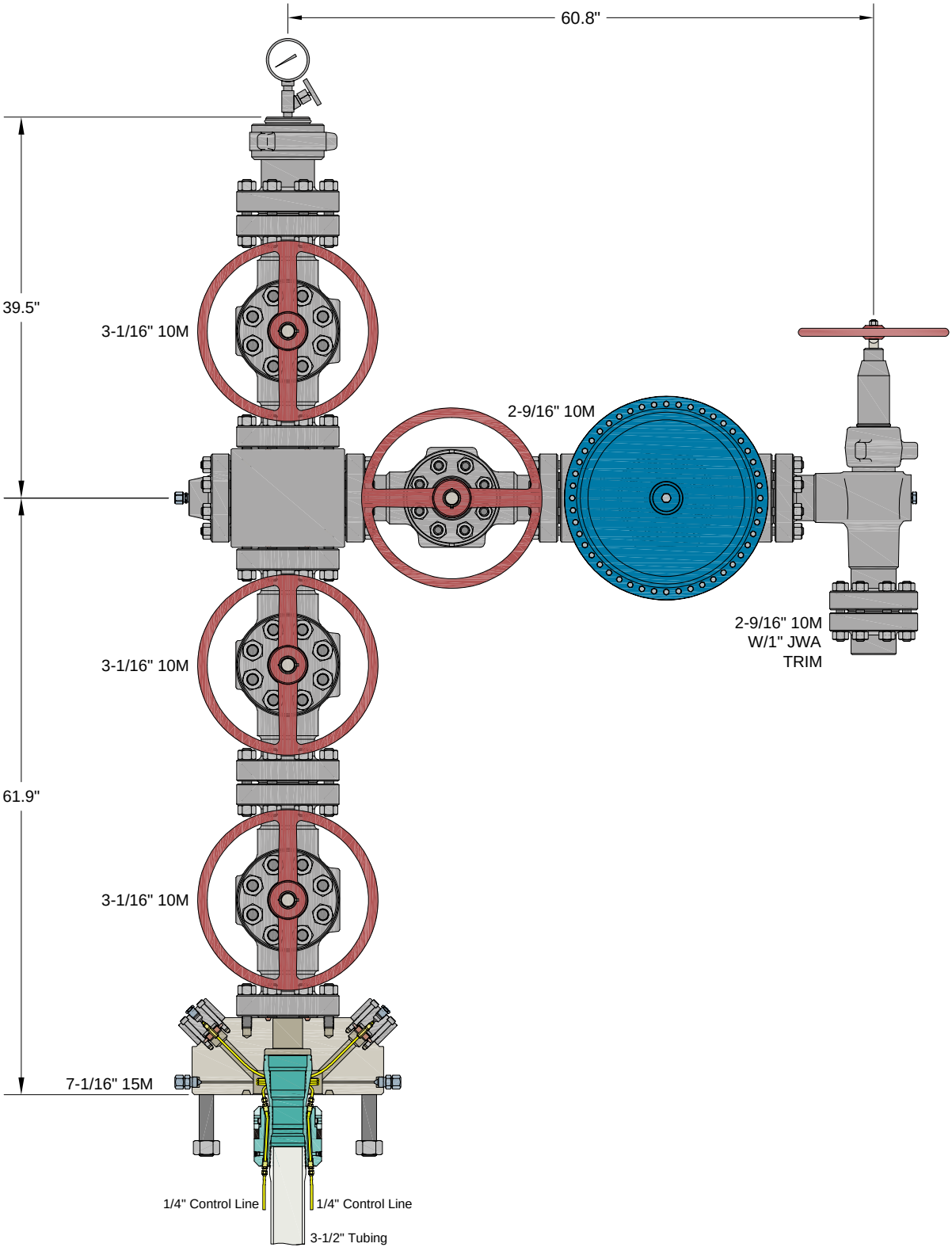
COTERRA





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.

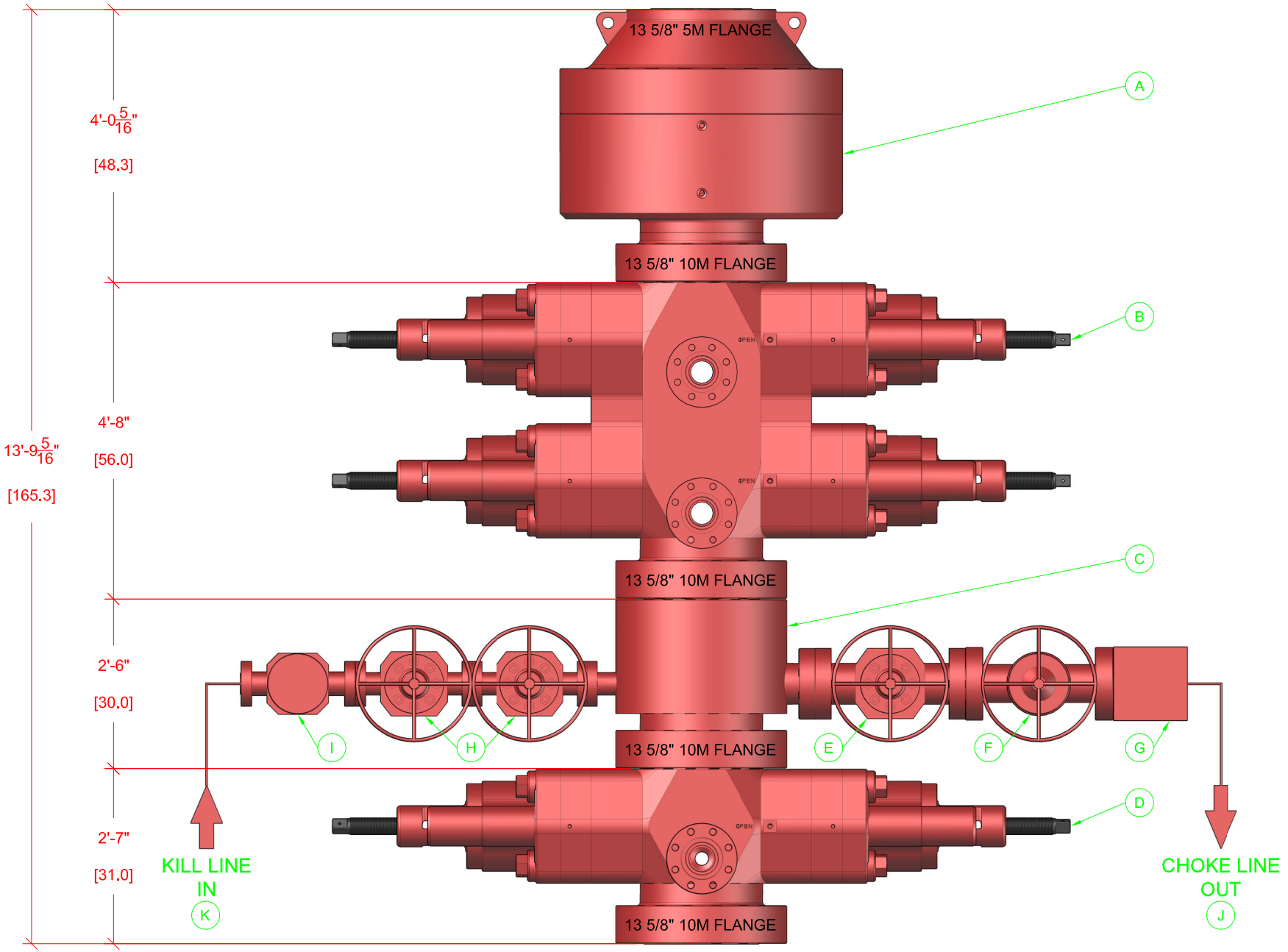
20. **CHOICE OF LAW**. THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND SHALL BE PERFORMABLE IN HARRIS COUNTY, TEXAS. WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPALS AND WAIVER OF SAME, EACH PARTY HERETO SUBMITS TO THE JURISDICTION OF THE COURTS OF 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

ITEM	DESCRIPTION	MODEL	QTY
A	ANNULAR BOP	13 5/8" 5M	1
B	DOUBLE RAM BOP	13 5/8" 10M TYPE-U	1
C	MUD CROSS	13 5/8" 10M	1
D	SINGLE RAM BOP	13 5/8" 10M TYPE-U	1
E	GATE VALVE	4 1/16" 10M FC MANUAL	1
F	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 7,340
MD at TD 22,815

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	1083	N/A	
Base of Salt	1674	N/A	
Base Anhydrate	1886	N/A	
Bell Lamar	1900	N/A	
Bell Canyon	2023	N/A	
Cherry Canyon	2699	N/A	
Brushy Canyon	3810	N/A	
Leonard	5643	N/A	
Bone Spring Lime	5693	N/A	
1st Bone Spring Sand	6378	N/A	
2nd Bone Spring Shale	6549	N/A	
2nd Bone Spring Sand	6914	Hydrocarbons	
2nd Bone Spring Sand -Target	7215	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	1950	1900	9-5/8"	36.00	J-55	LT&C	2.04	3.56	6.62
7 7/8	0	6818	6818	5-1/2"						
7 7/8	6818	22815	7340	5-1/2"	20.00	P-110	BT&C	3.06	3.41	61.40
						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).

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.

COMPANY	Coterra Energy
FIELD	Eddy County, NM (NAD 83)
SITE	Pintail 23-26-35 Federal Com
WELL	Pintail 23-26-35 Federal Com 11H
WELLPATH	OH
DESIGN	Plan 1
DEPTHUNT	(usft)

WELL INFO		
MAP DATUM	North American Datum 1983	
MAP SYSTEM	US State Plane 1983	
MAP ZONE	New Mexico Eastern Zone	
WELL LAT		32.121434
WELL LON		-104.265875
WELL EW MAP		562221.12
WELL NS MAP		407920.21
CONVERGENCE		0.04
MAGMODEL	HDGM2026	
DECLINATION		6.67
NORTH REF	Grid	
GROUND ELEVN		3300.4
KB ELEVN		3323.4
VS AZI		180.36

SURVEY PROGRAM

1 0.00 - 22815.35 PLAN 1 : MWD+IFR1+MS

SURVEY LIST

Measured Depth MD	Inclination INC	Azimuth AZI	Course Leng CL	True Vertical TVD
0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	100.00
200.00	0.00	0.00	100.00	200.00
300.00	0.00	0.00	100.00	300.00
400.00	0.00	0.00	100.00	400.00
500.00	0.00	0.00	100.00	500.00
600.00	0.00	0.00	100.00	600.00
700.00	0.00	0.00	100.00	700.00
800.00	0.00	0.00	100.00	800.00
900.00	0.00	0.00	100.00	900.00
1000.00	0.00	0.00	100.00	1000.00
1100.00	0.00	0.00	100.00	1100.00
1200.00	0.00	0.00	100.00	1200.00
1300.00	2.00	282.80	100.00	1299.98
1400.00	4.00	282.80	100.00	1399.84
1500.00	6.00	282.80	100.00	1499.45

1600.00	8.00	282.80	100.00	1598.70
1700.00	10.00	282.80	100.00	1697.47
1800.00	12.00	282.80	100.00	1795.62
1900.00	14.00	282.80	100.00	1893.06
1959.85	15.20	282.80	59.85	1950.97
2000.00	15.20	282.80	40.15	1989.72
2100.00	15.20	282.80	100.00	2086.22
2200.00	15.20	282.80	100.00	2182.72
2300.00	15.20	282.80	100.00	2279.23
2400.00	15.20	282.80	100.00	2375.73
2500.00	15.20	282.80	100.00	2472.23
2600.00	15.20	282.80	100.00	2568.74
2700.00	15.20	282.80	100.00	2665.24
2800.00	15.20	282.80	100.00	2761.74
2900.00	15.20	282.80	100.00	2858.25
3000.00	15.20	282.80	100.00	2954.75
3100.00	15.20	282.80	100.00	3051.25
3200.00	15.20	282.80	100.00	3147.75
3300.00	15.20	282.80	100.00	3244.26
3400.00	15.20	282.80	100.00	3340.76
3500.00	15.20	282.80	100.00	3437.26
3600.00	15.20	282.80	100.00	3533.77
3700.00	15.20	282.80	100.00	3630.27
3800.00	15.20	282.80	100.00	3726.77
3900.00	15.20	282.80	100.00	3823.28
4000.00	15.20	282.80	100.00	3919.78
4100.00	15.20	282.80	100.00	4016.28
4200.00	15.20	282.80	100.00	4112.78
4300.00	15.20	282.80	100.00	4209.29
4400.00	15.20	282.80	100.00	4305.79
4500.00	15.20	282.80	100.00	4402.29
4600.00	15.20	282.80	100.00	4498.80
4700.00	15.20	282.80	100.00	4595.30
4800.00	15.20	282.80	100.00	4691.80
4900.00	15.20	282.80	100.00	4788.31
5000.00	15.20	282.80	100.00	4884.81
5100.00	15.20	282.80	100.00	4981.31
5200.00	15.20	282.80	100.00	5077.82
5300.00	15.20	282.80	100.00	5174.32
5400.00	15.20	282.80	100.00	5270.82
5500.00	15.20	282.80	100.00	5367.32
5600.00	15.20	282.80	100.00	5463.83
5700.00	15.20	282.80	100.00	5560.33
5800.00	15.20	282.80	100.00	5656.83
5900.00	15.20	282.80	100.00	5753.34
6000.00	15.20	282.80	100.00	5849.84

6100.00	15.20	282.80	100.00	5946.34
6200.00	15.20	282.80	100.00	6042.85
6300.00	15.20	282.80	100.00	6139.35
6400.00	15.20	282.80	100.00	6235.85
6500.00	15.20	282.80	100.00	6332.35
6600.00	15.20	282.80	100.00	6428.86
6700.00	15.20	282.80	100.00	6525.36
6800.00	15.20	282.80	100.00	6621.86
6818.70	15.20	282.80	18.70	6639.91
6850.00	15.09	270.80	31.30	6670.13
6900.00	16.18	252.62	50.00	6718.31
6950.00	18.57	237.84	50.00	6766.05
7000.00	21.84	226.83	50.00	6812.98
7050.00	25.65	218.75	50.00	6858.75
7100.00	29.79	212.70	50.00	6903.02
7150.00	34.14	208.05	50.00	6945.43
7200.00	38.63	204.34	50.00	6985.68
7250.00	43.22	201.31	50.00	7023.45
7300.00	47.88	198.76	50.00	7058.46
7350.00	52.58	196.55	50.00	7090.44
7400.00	57.33	194.61	50.00	7119.14
7450.00	62.09	192.87	50.00	7144.36
7500.00	66.88	191.27	50.00	7165.89
7550.00	71.69	189.79	50.00	7183.57
7600.00	76.50	188.38	50.00	7197.27
7650.00	81.32	187.03	50.00	7206.89
7700.00	86.15	185.72	50.00	7212.34
7734.94	89.52	184.81	34.94	7213.66
7800.00	89.52	184.81	65.06	7214.21
7900.00	89.52	184.81	100.00	7215.05
7934.94	89.52	184.81	34.94	7215.34
8000.00	89.52	183.51	65.06	7215.88
8100.00	89.52	181.51	100.00	7216.72
8184.93	89.52	179.81	84.93	7217.43
8200.00	89.52	179.81	15.07	7217.56
8300.00	89.52	179.81	100.00	7218.40
8400.00	89.52	179.81	100.00	7219.24
8500.00	89.52	179.81	100.00	7220.07
8600.00	89.52	179.81	100.00	7220.91
8700.00	89.52	179.81	100.00	7221.75
8800.00	89.52	179.81	100.00	7222.59
8900.00	89.52	179.81	100.00	7223.43
9000.00	89.52	179.81	100.00	7224.26
9100.00	89.52	179.81	100.00	7225.10
9200.00	89.52	179.81	100.00	7225.94
9300.00	89.52	179.81	100.00	7226.78

9400.00	89.52	179.81	100.00	7227.61
9500.00	89.52	179.81	100.00	7228.45
9600.00	89.52	179.81	100.00	7229.29
9700.00	89.52	179.81	100.00	7230.13
9800.00	89.52	179.81	100.00	7230.96
9900.00	89.52	179.81	100.00	7231.80
10000.00	89.52	179.81	100.00	7232.64
10100.00	89.52	179.81	100.00	7233.48
10200.00	89.52	179.81	100.00	7234.32
10300.00	89.52	179.81	100.00	7235.15
10400.00	89.52	179.81	100.00	7235.99
10500.00	89.52	179.81	100.00	7236.83
10600.00	89.52	179.81	100.00	7237.67
10700.00	89.52	179.81	100.00	7238.50
10800.00	89.52	179.81	100.00	7239.34
10900.00	89.52	179.81	100.00	7240.18
11000.00	89.52	179.81	100.00	7241.02
11100.00	89.52	179.81	100.00	7241.86
11200.00	89.52	179.81	100.00	7242.69
11300.00	89.52	179.81	100.00	7243.53
11400.00	89.52	179.81	100.00	7244.37
11500.00	89.52	179.81	100.00	7245.21
11600.00	89.52	179.81	100.00	7246.04
11700.00	89.52	179.81	100.00	7246.88
11800.00	89.52	179.81	100.00	7247.72
11900.00	89.52	179.81	100.00	7248.56
12000.00	89.52	179.81	100.00	7249.40
12100.00	89.52	179.81	100.00	7250.23
12200.00	89.52	179.81	100.00	7251.07
12300.00	89.52	179.81	100.00	7251.91
12359.93	89.52	179.81	59.93	7252.41
12396.00	89.52	180.53	36.07	7252.71
12400.00	89.52	180.53	4.00	7252.75
12500.00	89.52	180.53	100.00	7253.58
12600.00	89.52	180.53	100.00	7254.42
12700.00	89.52	180.53	100.00	7255.26
12800.00	89.52	180.53	100.00	7256.10
12900.00	89.52	180.53	100.00	7256.93
13000.00	89.52	180.53	100.00	7257.77
13100.00	89.52	180.53	100.00	7258.61
13200.00	89.52	180.53	100.00	7259.45
13300.00	89.52	180.53	100.00	7260.29
13400.00	89.52	180.53	100.00	7261.12
13500.00	89.52	180.53	100.00	7261.96
13600.00	89.52	180.53	100.00	7262.80
13700.00	89.52	180.53	100.00	7263.64

13800.00	89.52	180.53	100.00	7264.47
13900.00	89.52	180.53	100.00	7265.31
14000.00	89.52	180.53	100.00	7266.15
14100.00	89.52	180.53	100.00	7266.99
14200.00	89.52	180.53	100.00	7267.82
14300.00	89.52	180.53	100.00	7268.66
14400.00	89.52	180.53	100.00	7269.50
14500.00	89.52	180.53	100.00	7270.34
14600.00	89.52	180.53	100.00	7271.18
14700.00	89.52	180.53	100.00	7272.01
14800.00	89.52	180.53	100.00	7272.85
14900.00	89.52	180.53	100.00	7273.69
15004.06	89.52	180.53	104.06	7274.56
15006.10	89.52	180.57	2.03	7274.58
15100.00	89.52	180.57	93.90	7275.36
15200.00	89.52	180.57	100.00	7276.20
15300.00	89.52	180.57	100.00	7277.04
15400.00	89.52	180.57	100.00	7277.88
15500.00	89.52	180.57	100.00	7278.72
15600.00	89.52	180.57	100.00	7279.55
15700.00	89.52	180.57	100.00	7280.39
15800.00	89.52	180.57	100.00	7281.23
15900.00	89.52	180.57	100.00	7282.07
16000.00	89.52	180.57	100.00	7282.91
16100.00	89.52	180.57	100.00	7283.74
16200.00	89.52	180.57	100.00	7284.58
16300.00	89.52	180.57	100.00	7285.42
16400.00	89.52	180.57	100.00	7286.26
16500.00	89.52	180.57	100.00	7287.10
16600.00	89.52	180.57	100.00	7287.93
16700.00	89.52	180.57	100.00	7288.77
16800.00	89.52	180.57	100.00	7289.61
16900.00	89.52	180.57	100.00	7290.45
17000.00	89.52	180.57	100.00	7291.29
17100.00	89.52	180.57	100.00	7292.12
17200.00	89.52	180.57	100.00	7292.96
17300.00	89.52	180.57	100.00	7293.80
17400.00	89.52	180.57	100.00	7294.64
17500.00	89.52	180.57	100.00	7295.48
17600.00	89.52	180.57	100.00	7296.31
17637.80	89.52	180.57	37.80	7296.63
17644.84	89.52	180.71	7.05	7296.69
17700.00	89.52	180.71	55.16	7297.15
17800.00	89.52	180.71	100.00	7297.99
17900.00	89.52	180.71	100.00	7298.83
18000.00	89.52	180.71	100.00	7299.66

18100.00	89.52	180.71	100.00	7300.50
18200.00	89.52	180.71	100.00	7301.34
18300.00	89.52	180.71	100.00	7302.18
18400.00	89.52	180.71	100.00	7303.02
18500.00	89.52	180.71	100.00	7303.85
18600.00	89.52	180.71	100.00	7304.69
18700.00	89.52	180.71	100.00	7305.53
18800.00	89.52	180.71	100.00	7306.37
18900.00	89.52	180.71	100.00	7307.20
19000.00	89.52	180.71	100.00	7308.04
19100.00	89.52	180.71	100.00	7308.88
19200.00	89.52	180.71	100.00	7309.72
19300.00	89.52	180.71	100.00	7310.55
19400.00	89.52	180.71	100.00	7311.39
19500.00	89.52	180.71	100.00	7312.23
19600.00	89.52	180.71	100.00	7313.07
19700.00	89.52	180.71	100.00	7313.90
19800.00	89.52	180.71	100.00	7314.74
19900.00	89.52	180.71	100.00	7315.58
20000.00	89.52	180.71	100.00	7316.42
20100.00	89.52	180.71	100.00	7317.26
20200.00	89.52	180.71	100.00	7318.09
20300.00	89.52	180.71	100.00	7318.93
20400.00	89.52	180.71	100.00	7319.77
20500.00	89.52	180.71	100.00	7320.61
20600.00	89.52	180.71	100.00	7321.44
20700.00	89.52	180.71	100.00	7322.28
20800.00	89.52	180.71	100.00	7323.12
20900.00	89.52	180.71	100.00	7323.96
21000.00	89.52	180.71	100.00	7324.79
21100.00	89.52	180.71	100.00	7325.63
21200.00	89.52	180.71	100.00	7326.47
21300.00	89.52	180.71	100.00	7327.31
21400.00	89.52	180.71	100.00	7328.14
21500.00	89.52	180.71	100.00	7328.98
21600.00	89.52	180.71	100.00	7329.82
21700.00	89.52	180.71	100.00	7330.66
21800.00	89.52	180.71	100.00	7331.50
21900.00	89.52	180.71	100.00	7332.33
22000.00	89.52	180.71	100.00	7333.17
22100.00	89.52	180.71	100.00	7334.01
22200.00	89.52	180.71	100.00	7334.85
22300.00	89.52	180.71	100.00	7335.68
22400.00	89.52	180.71	100.00	7336.52
22500.00	89.52	180.71	100.00	7337.36
22600.00	89.52	180.71	100.00	7338.20

22700.00	89.52	180.71	100.00	7339.03
22800.00	89.52	180.71	100.00	7339.87
22815.35	89.52	180.71	15.35	7340.00

SubSea TVD SSTVD	Local N/-S NS	Local E/-W EW	Easting X	Northing Y	Latitude LAT	Longitude LON
3323.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
3223.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
3123.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
3023.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2923.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2823.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2723.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2623.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2523.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2423.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2323.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2223.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2123.40	0.00	0.00	562221.12	407920.21	32.121434	-104.265875
2023.42	0.39	-1.70	562219.42	407920.60	32.121435	-104.265881
1923.56	1.55	-6.81	562214.32	407921.76	32.121438	-104.265897
1823.95	3.48	-15.30	562205.82	407923.69	32.121443	-104.265925

1724.70	6.18	-27.19	562193.93	407926.39	32.121451	-104.265963
1625.94	9.64	-42.44	562178.68	407929.85	32.121460	-104.266012
1527.78	13.87	-61.05	562160.07	407934.08	32.121472	-104.266072
1430.35	18.85	-82.98	562138.14	407939.06	32.121486	-104.266143
1372.43	22.19	-97.69	562123.43	407942.40	32.121495	-104.266191
1333.68	24.52	-107.96	562113.16	407944.73	32.121501	-104.266224
1237.18	30.33	-133.52	562087.60	407950.54	32.121517	-104.266306
1140.68	36.14	-159.08	562062.04	407956.35	32.121533	-104.266389
1044.17	41.94	-184.64	562036.48	407962.15	32.121549	-104.266472
947.67	47.75	-210.21	562010.91	407967.96	32.121565	-104.266554
851.17	53.55	-235.77	561985.35	407973.76	32.121581	-104.266637
754.66	59.36	-261.33	561959.79	407979.57	32.121597	-104.266719
658.16	65.17	-286.90	561934.23	407985.38	32.121613	-104.266802
561.66	70.97	-312.46	561908.66	407991.18	32.121629	-104.266884
465.16	76.78	-338.02	561883.10	407996.99	32.121645	-104.266967
368.65	82.59	-363.58	561857.54	408002.80	32.121661	-104.267049
272.15	88.39	-389.15	561831.98	408008.60	32.121677	-104.267132
175.65	94.20	-414.71	561806.41	408014.41	32.121693	-104.267215
79.14	100.01	-440.27	561780.85	408020.22	32.121709	-104.267297
-17.36	105.81	-465.83	561755.29	408026.02	32.121725	-104.267380
-113.86	111.62	-491.40	561729.72	408031.83	32.121741	-104.267462
-210.37	117.43	-516.96	561704.16	408037.64	32.121757	-104.267545
-306.87	123.23	-542.52	561678.60	408043.44	32.121773	-104.267627
-403.37	129.04	-568.08	561653.04	408049.25	32.121789	-104.267710
-499.88	134.85	-593.65	561627.47	408055.06	32.121805	-104.267793
-596.38	140.65	-619.21	561601.91	408060.86	32.121821	-104.267875
-692.88	146.46	-644.77	561576.35	408066.67	32.121837	-104.267958
-789.38	152.27	-670.34	561550.79	408072.48	32.121853	-104.268040
-885.89	158.07	-695.90	561525.22	408078.28	32.121869	-104.268123
-982.39	163.88	-721.46	561499.66	408084.09	32.121885	-104.268205
-1078.89	169.68	-747.02	561474.10	408089.89	32.121901	-104.268288
-1175.40	175.49	-772.59	561448.53	408095.70	32.121917	-104.268370
-1271.90	181.30	-798.15	561422.97	408101.51	32.121933	-104.268453
-1368.40	187.10	-823.71	561397.41	408107.31	32.121949	-104.268536
-1464.91	192.91	-849.27	561371.85	408113.12	32.121965	-104.268618
-1561.41	198.72	-874.84	561346.28	408118.93	32.121981	-104.268701
-1657.91	204.52	-900.40	561320.72	408124.73	32.121997	-104.268783
-1754.42	210.33	-925.96	561295.16	408130.54	32.122013	-104.268866
-1850.92	216.14	-951.53	561269.60	408136.35	32.122029	-104.268948
-1947.42	221.94	-977.09	561244.03	408142.15	32.122045	-104.269031
-2043.92	227.75	-1002.65	561218.47	408147.96	32.122061	-104.269113
-2140.43	233.56	-1028.21	561192.91	408153.77	32.122078	-104.269196
-2236.93	239.36	-1053.78	561167.35	408159.57	32.122094	-104.269279
-2333.43	245.17	-1079.34	561141.78	408165.38	32.122110	-104.269361
-2429.94	250.98	-1104.90	561116.22	408171.19	32.122126	-104.269444
-2526.44	256.78	-1130.46	561090.66	408176.99	32.122142	-104.269526

-2622.94	262.59	-1156.03	561065.09	408182.80	32.122158	-104.269609
-2719.45	268.40	-1181.59	561039.53	408188.61	32.122174	-104.269691
-2815.95	274.20	-1207.15	561013.97	408194.41	32.122190	-104.269774
-2912.45	280.01	-1232.71	560988.41	408200.22	32.122206	-104.269857
-3008.95	285.81	-1258.28	560962.84	408206.02	32.122222	-104.269939
-3105.46	291.62	-1283.84	560937.28	408211.83	32.122238	-104.270022
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-3700.05	172.99	-1453.98	560767.14	408093.20	32.121912	-104.270571
-3735.06	139.46	-1466.18	560754.95	408059.67	32.121820	-104.270611
-3767.04	102.85	-1477.80	560743.32	408023.06	32.121719	-104.270649
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-3905.89	-2112.80	-1561.99	560659.13	405807.42	32.115628	-104.270925
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-3937.72	-5912.60	-1562.26	560658.86	402007.61	32.105183	-104.270933
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-3965.37	-9212.33	-1594.08	560627.05	398707.88	32.096112	-104.271042
-3966.21	-9312.33	-1595.07	560626.05	398607.89	32.095837	-104.271045
-3967.05	-9412.32	-1596.07	560625.05	398507.89	32.095562	-104.271048
-3967.89	-9512.31	-1597.07	560624.05	398407.90	32.095287	-104.271052
-3968.72	-9612.30	-1598.07	560623.05	398307.91	32.095013	-104.271055
-3969.56	-9712.29	-1599.07	560622.05	398207.92	32.094738	-104.271059
-3970.40	-9812.28	-1600.07	560621.05	398107.93	32.094463	-104.271062
-3971.24	-9912.27	-1601.07	560620.06	398007.94	32.094188	-104.271065
-3972.08	-10012.27	-1602.06	560619.06	397907.94	32.093913	-104.271069
-3972.91	-10112.26	-1603.06	560618.06	397807.95	32.093638	-104.271072
-3973.23	-10150.05	-1603.44	560617.68	397770.16	32.093534	-104.271074
-3973.29	-10157.10	-1603.52	560617.60	397763.11	32.093515	-104.271074
-3973.75	-10212.25	-1604.21	560616.91	397707.96	32.093363	-104.271076
-3974.59	-10312.24	-1605.45	560615.67	397607.97	32.093089	-104.271080
-3975.43	-10412.22	-1606.70	560614.43	397507.99	32.092814	-104.271085
-3976.26	-10512.21	-1607.94	560613.18	397408.00	32.092539	-104.271089

-3977.10	-10612.20	-1609.18	560611.94	397308.01	32.092264	-104.271093
-3977.94	-10712.19	-1610.43	560610.69	397208.02	32.091989	-104.271097
-3978.78	-10812.18	-1611.67	560609.45	397108.03	32.091714	-104.271101
-3979.62	-10912.17	-1612.92	560608.20	397008.04	32.091439	-104.271106
-3980.45	-11012.16	-1614.16	560606.96	396908.05	32.091164	-104.271110
-3981.29	-11112.15	-1615.41	560605.71	396808.06	32.090890	-104.271114
-3982.13	-11212.13	-1616.65	560604.47	396708.08	32.090615	-104.271118
-3982.97	-11312.12	-1617.90	560603.22	396608.09	32.090340	-104.271122
-3983.80	-11412.11	-1619.14	560601.98	396508.10	32.090065	-104.271127
-3984.64	-11512.10	-1620.39	560600.74	396408.11	32.089790	-104.271131
-3985.48	-11612.09	-1621.63	560599.49	396308.12	32.089515	-104.271135
-3986.32	-11712.08	-1622.87	560598.25	396208.13	32.089240	-104.271139
-3987.15	-11812.07	-1624.12	560597.00	396108.14	32.088966	-104.271143
-3987.99	-11912.06	-1625.36	560595.76	396008.15	32.088691	-104.271148
-3988.83	-12012.04	-1626.61	560594.51	395908.17	32.088416	-104.271152
-3989.67	-12112.03	-1627.85	560593.27	395808.18	32.088141	-104.271156
-3990.50	-12212.02	-1629.10	560592.02	395708.19	32.087866	-104.271160
-3991.34	-12312.01	-1630.34	560590.78	395608.20	32.087591	-104.271164
-3992.18	-12412.00	-1631.59	560589.53	395508.21	32.087316	-104.271169
-3993.02	-12511.99	-1632.83	560588.29	395408.22	32.087042	-104.271173
-3993.86	-12611.98	-1634.08	560587.05	395308.23	32.086767	-104.271177
-3994.69	-12711.97	-1635.32	560585.80	395208.24	32.086492	-104.271181
-3995.53	-12811.95	-1636.57	560584.56	395108.26	32.086217	-104.271185
-3996.37	-12911.94	-1637.81	560583.31	395008.27	32.085942	-104.271190
-3997.21	-13011.93	-1639.05	560582.07	394908.28	32.085667	-104.271194
-3998.04	-13111.92	-1640.30	560580.82	394808.29	32.085392	-104.271198
-3998.88	-13211.91	-1641.54	560579.58	394708.30	32.085117	-104.271202
-3999.72	-13311.90	-1642.79	560578.33	394608.31	32.084843	-104.271206
-4000.56	-13411.89	-1644.03	560577.09	394508.32	32.084568	-104.271211
-4001.39	-13511.88	-1645.28	560575.84	394408.33	32.084293	-104.271215
-4002.23	-13611.86	-1646.52	560574.60	394308.35	32.084018	-104.271219
-4003.07	-13711.85	-1647.77	560573.35	394208.36	32.083743	-104.271223
-4003.91	-13811.84	-1649.01	560572.11	394108.37	32.083468	-104.271227
-4004.74	-13911.83	-1650.26	560570.87	394008.38	32.083193	-104.271232
-4005.58	-14011.82	-1651.50	560569.62	393908.39	32.082919	-104.271236
-4006.42	-14111.81	-1652.74	560568.38	393808.40	32.082644	-104.271240
-4007.26	-14211.80	-1653.99	560567.13	393708.41	32.082369	-104.271244
-4008.10	-14311.79	-1655.23	560565.89	393608.42	32.082094	-104.271249
-4008.93	-14411.77	-1656.48	560564.64	393508.44	32.081819	-104.271253
-4009.77	-14511.76	-1657.72	560563.40	393408.45	32.081544	-104.271257
-4010.61	-14611.75	-1658.97	560562.15	393308.46	32.081269	-104.271261
-4011.45	-14711.74	-1660.21	560560.91	393208.47	32.080995	-104.271265
-4012.28	-14811.73	-1661.46	560559.66	393108.48	32.080720	-104.271270
-4013.12	-14911.72	-1662.70	560558.42	393008.49	32.080445	-104.271274
-4013.96	-15011.71	-1663.95	560557.18	392908.50	32.080170	-104.271278
-4014.80	-15111.70	-1665.19	560555.93	392808.51	32.079895	-104.271282

-4015.63	-15211.68	-1666.43	560554.69	392708.53	32.079620	-104.271286
-4016.47	-15311.67	-1667.68	560553.44	392608.54	32.079345	-104.271291
-4016.60	-15327.02	-1667.87	560553.25	392593.19	32.079303	-104.271291

Dogleg Seve	Build Rate	Turn Rate	Vertical Section
DLS	BLD	TRN	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	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
2.00	2.00	0.00	-0.38
2.00	2.00	0.00	-1.50
2.00	2.00	0.00	-3.38

2.00	2.00	0.00	-6.01
2.00	2.00	0.00	-9.37
2.00	2.00	0.00	-13.48
2.00	2.00	0.00	-18.33
2.00	2.00	0.00	-21.58
0.00	0.00	0.00	-23.84
0.00	0.00	0.00	-29.49
0.00	0.00	0.00	-35.14
0.00	0.00	0.00	-40.78
0.00	0.00	0.00	-46.43
0.00	0.00	0.00	-52.07
0.00	0.00	0.00	-57.72
0.00	0.00	0.00	-63.36
0.00	0.00	0.00	-69.01
0.00	0.00	0.00	-74.66
0.00	0.00	0.00	-80.30
0.00	0.00	0.00	-85.95
0.00	0.00	0.00	-91.59
0.00	0.00	0.00	-97.24
0.00	0.00	0.00	-102.88
0.00	0.00	0.00	-108.53
0.00	0.00	0.00	-114.18
0.00	0.00	0.00	-119.82
0.00	0.00	0.00	-125.47
0.00	0.00	0.00	-131.11
0.00	0.00	0.00	-136.76
0.00	0.00	0.00	-142.40
0.00	0.00	0.00	-148.05
0.00	0.00	0.00	-153.70
0.00	0.00	0.00	-159.34
0.00	0.00	0.00	-164.99
0.00	0.00	0.00	-170.63
0.00	0.00	0.00	-176.28
0.00	0.00	0.00	-181.93
0.00	0.00	0.00	-187.57
0.00	0.00	0.00	-193.22
0.00	0.00	0.00	-198.86
0.00	0.00	0.00	-204.51
0.00	0.00	0.00	-210.15
0.00	0.00	0.00	-215.80
0.00	0.00	0.00	-221.45
0.00	0.00	0.00	-227.09
0.00	0.00	0.00	-232.74
0.00	0.00	0.00	-238.38
0.00	0.00	0.00	-244.03
0.00	0.00	0.00	-249.67

0.00	0.00	0.00	-255.32
0.00	0.00	0.00	-260.97
0.00	0.00	0.00	-266.61
0.00	0.00	0.00	-272.26
0.00	0.00	0.00	-277.90
0.00	0.00	0.00	-283.55
0.00	0.00	0.00	-289.19
0.00	0.00	0.00	-294.84
0.00	0.00	0.00	-295.90
10.00	-0.36	-38.33	-296.81
10.00	2.19	-36.37	-294.74
10.00	4.78	-29.55	-288.33
10.00	6.53	-22.03	-277.64
10.00	7.61	-16.16	-262.74
10.00	8.28	-12.09	-243.76
10.00	8.71	-9.31	-220.83
10.00	8.99	-7.41	-194.12
10.00	9.18	-6.07	-163.86
10.00	9.31	-5.11	-130.25
10.00	9.41	-4.40	-93.56
10.00	9.48	-3.88	-54.07
10.00	9.54	-3.49	-12.08
10.00	9.58	-3.19	32.09
10.00	9.61	-2.97	78.11
10.00	9.63	-2.81	125.62
10.00	9.64	-2.70	174.27
10.00	9.65	-2.63	223.68
10.00	9.66	-2.60	258.46
0.00	0.00	0.00	323.33
0.00	0.00	0.00	423.02
0.00	0.00	0.00	457.85
2.00	0.00	-2.00	522.77
2.00	0.00	-2.00	622.69
2.00	0.00	-2.00	707.61
0.00	0.00	0.00	722.68
0.00	0.00	0.00	822.67
0.00	0.00	0.00	922.67
0.00	0.00	0.00	1022.66
0.00	0.00	0.00	1122.65
0.00	0.00	0.00	1222.64
0.00	0.00	0.00	1322.63
0.00	0.00	0.00	1422.62
0.00	0.00	0.00	1522.62
0.00	0.00	0.00	1622.61
0.00	0.00	0.00	1722.60
0.00	0.00	0.00	1822.59

0.00	0.00	0.00	1922.58
0.00	0.00	0.00	2022.58
0.00	0.00	0.00	2122.57
0.00	0.00	0.00	2222.56
0.00	0.00	0.00	2322.55
0.00	0.00	0.00	2422.54
0.00	0.00	0.00	2522.54
0.00	0.00	0.00	2622.53
0.00	0.00	0.00	2722.52
0.00	0.00	0.00	2822.51
0.00	0.00	0.00	2922.50
0.00	0.00	0.00	3022.50
0.00	0.00	0.00	3122.49
0.00	0.00	0.00	3222.48
0.00	0.00	0.00	3322.47
0.00	0.00	0.00	3422.46
0.00	0.00	0.00	3522.45
0.00	0.00	0.00	3622.45
0.00	0.00	0.00	3722.44
0.00	0.00	0.00	3822.43
0.00	0.00	0.00	3922.42
0.00	0.00	0.00	4022.41
0.00	0.00	0.00	4122.41
0.00	0.00	0.00	4222.40
0.00	0.00	0.00	4322.39
0.00	0.00	0.00	4422.38
0.00	0.00	0.00	4522.37
0.00	0.00	0.00	4622.37
0.00	0.00	0.00	4722.36
0.00	0.00	0.00	4822.35
0.00	0.00	0.00	4882.27
2.00	0.00	2.00	4918.34
0.00	0.00	0.00	4922.34
0.00	0.00	0.00	5022.34
0.00	0.00	0.00	5122.33
0.00	0.00	0.00	5222.33
0.00	0.00	0.00	5322.33
0.00	0.00	0.00	5422.32
0.00	0.00	0.00	5522.32
0.00	0.00	0.00	5622.31
0.00	0.00	0.00	5722.31
0.00	0.00	0.00	5822.31
0.00	0.00	0.00	5922.30
0.00	0.00	0.00	6022.30
0.00	0.00	0.00	6122.29
0.00	0.00	0.00	6222.29

0.00	0.00	0.00	6322.29
0.00	0.00	0.00	6422.28
0.00	0.00	0.00	6522.28
0.00	0.00	0.00	6622.27
0.00	0.00	0.00	6722.27
0.00	0.00	0.00	6822.27
0.00	0.00	0.00	6922.26
0.00	0.00	0.00	7022.26
0.00	0.00	0.00	7122.26
0.00	0.00	0.00	7222.25
0.00	0.00	0.00	7322.25
0.00	0.00	0.00	7422.24
0.00	0.00	0.00	7526.30
2.00	-0.01	2.00	7528.34
0.00	0.00	0.00	7622.24
0.00	0.00	0.00	7722.23
0.00	0.00	0.00	7822.23
0.00	0.00	0.00	7922.22
0.00	0.00	0.00	8022.22
0.00	0.00	0.00	8122.21
0.00	0.00	0.00	8222.21
0.00	0.00	0.00	8322.21
0.00	0.00	0.00	8422.20
0.00	0.00	0.00	8522.20
0.00	0.00	0.00	8622.19
0.00	0.00	0.00	8722.19
0.00	0.00	0.00	8822.18
0.00	0.00	0.00	8922.18
0.00	0.00	0.00	9022.18
0.00	0.00	0.00	9122.17
0.00	0.00	0.00	9222.17
0.00	0.00	0.00	9322.16
0.00	0.00	0.00	9422.16
0.00	0.00	0.00	9522.16
0.00	0.00	0.00	9622.15
0.00	0.00	0.00	9722.15
0.00	0.00	0.00	9822.14
0.00	0.00	0.00	9922.14
0.00	0.00	0.00	10022.13
0.00	0.00	0.00	10122.13
0.00	0.00	0.00	10159.92
2.00	0.00	2.00	10166.97
0.00	0.00	0.00	10222.13
0.00	0.00	0.00	10322.12
0.00	0.00	0.00	10422.11
0.00	0.00	0.00	10522.11

0.00	0.00	0.00	10622.10
0.00	0.00	0.00	10722.10
0.00	0.00	0.00	10822.09
0.00	0.00	0.00	10922.09
0.00	0.00	0.00	11022.08
0.00	0.00	0.00	11122.08
0.00	0.00	0.00	11222.07
0.00	0.00	0.00	11322.07
0.00	0.00	0.00	11422.06
0.00	0.00	0.00	11522.06
0.00	0.00	0.00	11622.05
0.00	0.00	0.00	11722.04
0.00	0.00	0.00	11822.04
0.00	0.00	0.00	11922.03
0.00	0.00	0.00	12022.03
0.00	0.00	0.00	12122.02
0.00	0.00	0.00	12222.02
0.00	0.00	0.00	12322.01
0.00	0.00	0.00	12422.01
0.00	0.00	0.00	12522.00
0.00	0.00	0.00	12622.00
0.00	0.00	0.00	12721.99
0.00	0.00	0.00	12821.98
0.00	0.00	0.00	12921.98
0.00	0.00	0.00	13021.97
0.00	0.00	0.00	13121.97
0.00	0.00	0.00	13221.96
0.00	0.00	0.00	13321.96
0.00	0.00	0.00	13421.95
0.00	0.00	0.00	13521.95
0.00	0.00	0.00	13621.94
0.00	0.00	0.00	13721.94
0.00	0.00	0.00	13821.93
0.00	0.00	0.00	13921.93
0.00	0.00	0.00	14021.92
0.00	0.00	0.00	14121.91
0.00	0.00	0.00	14221.91
0.00	0.00	0.00	14321.90
0.00	0.00	0.00	14421.90
0.00	0.00	0.00	14521.89
0.00	0.00	0.00	14621.89
0.00	0.00	0.00	14721.88
0.00	0.00	0.00	14821.88
0.00	0.00	0.00	14921.87
0.00	0.00	0.00	15021.87
0.00	0.00	0.00	15121.86

0.00	0.00	0.00	15221.85
0.00	0.00	0.00	15321.85
0.00	0.00	0.00	15337.20

COTERRA

Coterra Energy

Site: Pintail 23-26-35 Federal Com
Well: Pintail 23-26-35 Federal Com 11H
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: 47050.6nT
Dip Angle: 59.57°
Date: 1/31/2026
Model: HDGM2026

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

SHL

424' FNL, 1899' FWL
RKB Elevation: 3300.4' GL + 23 @ 3323.40usft (Rig)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	407920.21	562221.12	32.1214337	-104.2658752	

SECTION DETAILS

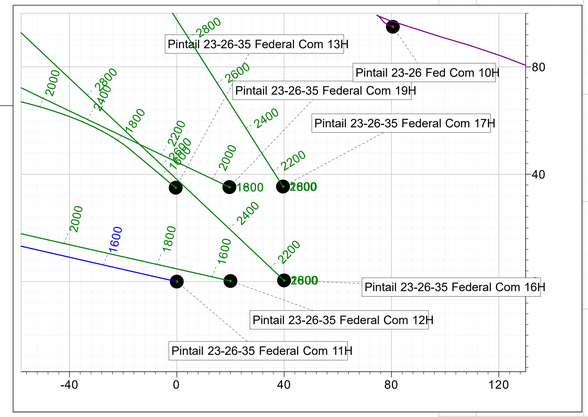
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
1959.85	15.20	282.80	1950.97	22.19	-97.69	2.00	282.80	-21.58	Start hold at 1959.85 MD
6818.70	15.20	282.80	6639.91	304.32	-1339.74	0.00	0.00	-295.90	KOP - Start 10.00°/100' DLS
7734.94	89.52	184.81	7213.66	-248.79	-1539.84	10.00	-97.84	258.46	LP - 7734.94' MD
7934.94	89.52	184.81	7215.34	-448.08	-1556.61	0.00	0.00	457.85	Start Turn 0.00
8184.93	89.52	179.81	7217.43	-697.78	-1566.68	2.00	-90.02	707.61	Start hold at 8184.93 MD
12359.93	89.52	179.81	7252.41	-4872.61	-1552.84	0.00	0.00	4882.27	Start DLS 2.00 TFO 90.00
12396.00	89.52	180.53	7252.71	-4908.68	-1552.95	2.00	90.00	4918.34	Start hold at 12396.00 MD
15004.06	89.52	180.53	7274.56	-7516.54	-1577.14	0.00	0.00	7526.30	Start DLS 2.00 TFO 90.22
15006.10	89.52	180.57	7274.58	-7518.57	-1577.16	2.00	90.22	7528.34	Start hold at 15006.10 MD
17637.80	89.52	180.57	7296.63	-10150.05	-1603.44	0.00	0.00	10159.92	Start DLS 2.00 TFO 89.93
17644.84	89.52	180.71	7296.69	-10157.10	-1603.52	2.00	89.93	10166.97	Start hold at 17644.84 MD
22815.35	89.52	180.71	7340.00	-15327.02	-1667.87	0.00	0.00	15337.20	TD at 22815.35

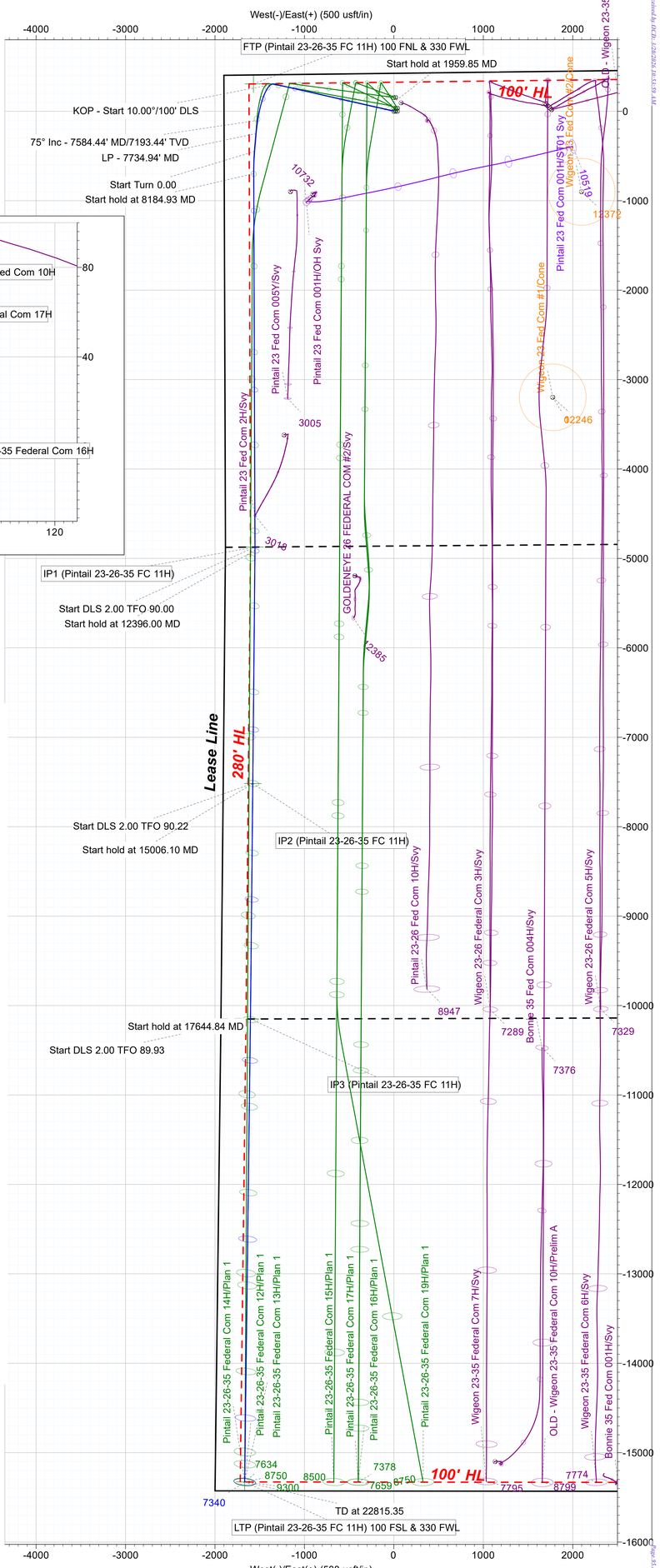
Formations

TVDPath	MDPath	Formation
431.08	431.08	Rustler
1075.95	1075.95	Top of Salt
1667.75	1669.85	Base of Salt
1879.43	1885.97	Base Anhydrate
1893.48	1900.44	Bell Lamar
2016.88	2028.14	Bell Canyon
2692.39	2728.14	Cherry Canyon
3803.24	3879.24	Brushy Canyon
5486.28	5623.27	Bone Spring Lime
5636.08	5778.50	Leonard
6371.72	6540.79	1s Bone Spring Sand
6542.37	6717.63	2nd Bone Spring Shale
6907.59	7105.28	2nd Bone Spring Sand
7238.40	10687.59	Target
7278.40	15462.31	Target Base

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (Pintail 23-26-35 FC 11H) 100 FNL & 330 FWL	6639.91	306.52	-1569.82	408226.73	560651.30	32.1222790	-104.2709454
IP1 (Pintail 23-26-35 FC 11H)	7252.40	-4872.61	-1552.84	403047.60	560668.28	32.1080417	-104.2709003
IP2 (Pintail 23-26-35 FC 11H)	7274.55	-7516.54	-1577.14	400403.67	560643.98	32.1007737	-104.2709837
IP3 (Pintail 23-26-35 FC 11H)	7296.63	-10150.05	-1603.44	397770.16	560617.68	32.0935344	-104.2710735
LTP (Pintail 23-26-35 FC 11H) 100 FSL & 330 FWL	7340.00	-15327.02	-1667.87	392593.19	560553.25	32.0793031	-104.2712912





Coterra Energy

Eddy County, NM (NAD 83)
Pintail 23-26-35 Federal Com
Pintail 23-26-35 Federal Com 11H

424' FNL, 1899' 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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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 11H

Well Position	**+N/-S**	0.00 usft	**Northing:**	407,920.21 usft	**Latitude:**	32.1214338
	+E/-W	0.00 usft	**Easting:**	562,221.12 usft	**Longitude:**	-104.2658752
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,300.40 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	47,050.60000000

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	22,815.35	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,959.85	15.20	282.80	1,950.97	22.19	-97.69	2.00	2.00	0.00	282.80	
6,818.70	15.20	282.80	6,639.91	304.32	-1,339.74	0.00	0.00	0.00	0.00	
7,734.94	89.52	184.81	7,213.66	-248.79	-1,539.84	10.00	8.11	-10.69	-97.84	
7,934.94	89.52	184.81	7,215.34	-448.08	-1,556.61	0.00	0.00	0.00	0.00	
8,184.93	89.52	179.81	7,217.43	-697.78	-1,566.68	2.00	0.00	0.00	-90.02	
12,359.93	89.52	179.81	7,252.41	-4,872.61	-1,552.84	0.00	0.00	0.00	0.00	
12,396.00	89.52	180.53	7,252.71	-4,908.68	-1,552.95	2.00	0.00	2.00	90.00	
15,004.06	89.52	180.53	7,274.56	-7,516.54	-1,577.14	0.00	0.00	0.00	0.00	
15,006.10	89.52	180.57	7,274.58	-7,518.57	-1,577.16	2.00	-0.01	2.00	90.22	
17,637.80	89.52	180.57	7,296.63	-10,150.05	-1,603.44	0.00	0.00	0.00	0.00	
17,644.84	89.52	180.71	7,296.69	-10,157.10	-1,603.52	2.00	0.00	2.00	89.93	
22,815.35	89.52	180.71	7,340.00	-15,327.02	-1,667.87	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	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
431.08	0.00	0.00	431.08	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
Rustler													
500.00	0.00	0.00	500.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
1,075.95	0.00	0.00	1,075.95	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	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	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	407,920.21	562,221.12	32.1214338	-104.2658752	0.00	0.00	0.00	0.00
Start Build 2.00													
1,300.00	2.00	282.80	1,299.98	0.39	-1.70	407,920.60	562,219.42	32.1214348	-104.2658806	-0.38	2.00	2.00	0.00
1,400.00	4.00	282.80	1,399.84	1.55	-6.81	407,921.76	562,214.31	32.1214380	-104.2658971	-1.50	2.00	2.00	0.00
1,500.00	6.00	282.80	1,499.45	3.48	-15.30	407,923.69	562,205.82	32.1214434	-104.2659246	-3.38	2.00	2.00	0.00
1,600.00	8.00	282.80	1,598.70	6.18	-27.19	407,926.39	562,193.93	32.1214508	-104.2659630	-6.00	2.00	2.00	0.00

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
1,669.85	9.40	282.80	1,667.75	8.52	-37.49	407,928.73	562,183.63	32.1214572	-104.2659962	-8.28	2.00	2.00	0.00
Base of Salt													
1,700.00	10.00	282.80	1,697.47	9.64	-42.44	407,929.85	562,178.68	32.1214603	-104.2660122	-9.37	2.00	2.00	0.00
1,800.00	12.00	282.80	1,795.62	13.87	-61.05	407,934.08	562,160.07	32.1214720	-104.2660723	-13.48	2.00	2.00	0.00
1,885.97	13.72	282.80	1,879.43	18.10	-79.70	407,938.31	562,141.42	32.1214837	-104.2661326	-17.60	2.00	2.00	0.00
Base Anhydrate													
1,900.00	14.00	282.80	1,893.06	18.85	-82.98	407,939.06	562,138.14	32.1214857	-104.2661432	-18.33	2.00	2.00	0.00
1,900.44	14.01	282.80	1,893.48	18.87	-83.09	407,939.08	562,138.03	32.1214858	-104.2661435	-18.35	2.00	2.00	0.00
Bell Lamar													
1,959.85	15.20	282.80	1,950.97	22.19	-97.69	407,942.40	562,123.43	32.1214949	-104.2661907	-21.58	2.00	2.00	0.00
Start hold at 1959.85 MD													
2,000.00	15.20	282.80	1,989.72	24.52	-107.96	407,944.73	562,113.16	32.1215014	-104.2662238	-23.84	0.00	0.00	0.00
2,028.14	15.20	282.80	2,016.88	26.16	-115.15	407,946.37	562,105.97	32.1215059	-104.2662471	-25.43	0.00	0.00	0.00
Bell Canyon													
2,100.00	15.20	282.80	2,086.22	30.33	-133.52	407,950.54	562,087.60	32.1215174	-104.2663064	-29.49	0.00	0.00	0.00
2,200.00	15.20	282.80	2,182.72	36.13	-159.08	407,956.34	562,062.04	32.1215334	-104.2663889	-35.13	0.00	0.00	0.00
2,300.00	15.20	282.80	2,279.23	41.94	-184.64	407,962.15	562,036.48	32.1215494	-104.2664715	-40.78	0.00	0.00	0.00
2,400.00	15.20	282.80	2,375.73	47.75	-210.21	407,967.96	562,010.91	32.1215654	-104.2665541	-46.43	0.00	0.00	0.00
2,500.00	15.20	282.80	2,472.23	53.55	-235.77	407,973.76	561,985.35	32.1215814	-104.2666366	-52.07	0.00	0.00	0.00
2,600.00	15.20	282.80	2,568.74	59.36	-261.33	407,979.57	561,959.79	32.1215974	-104.2667192	-57.72	0.00	0.00	0.00
2,700.00	15.20	282.80	2,665.24	65.17	-286.89	407,985.38	561,934.23	32.1216134	-104.2668017	-63.36	0.00	0.00	0.00
2,728.14	15.20	282.80	2,692.39	66.80	-294.09	407,987.01	561,927.03	32.1216179	-104.2668250	-64.95	0.00	0.00	0.00
Cherry Canyon													
2,800.00	15.20	282.80	2,761.74	70.97	-312.46	407,991.18	561,908.66	32.1216294	-104.2668843	-69.01	0.00	0.00	0.00
2,900.00	15.20	282.80	2,858.25	76.78	-338.02	407,996.99	561,883.10	32.1216454	-104.2669669	-74.66	0.00	0.00	0.00
3,000.00	15.20	282.80	2,954.75	82.59	-363.58	408,002.80	561,857.54	32.1216614	-104.2670494	-80.30	0.00	0.00	0.00
3,100.00	15.20	282.80	3,051.25	88.39	-389.15	408,008.60	561,831.97	32.1216774	-104.2671320	-85.95	0.00	0.00	0.00
3,200.00	15.20	282.80	3,147.75	94.20	-414.71	408,014.41	561,806.41	32.1216934	-104.2672146	-91.59	0.00	0.00	0.00
3,300.00	15.20	282.80	3,244.26	100.01	-440.27	408,020.22	561,780.85	32.1217094	-104.2672971	-97.24	0.00	0.00	0.00
3,400.00	15.20	282.80	3,340.76	105.81	-465.83	408,026.02	561,755.29	32.1217254	-104.2673797	-102.88	0.00	0.00	0.00
3,500.00	15.20	282.80	3,437.26	111.62	-491.40	408,031.83	561,729.72	32.1217414	-104.2674622	-108.53	0.00	0.00	0.00
3,600.00	15.20	282.80	3,533.77	117.43	-516.96	408,037.64	561,704.16	32.1217574	-104.2675448	-114.18	0.00	0.00	0.00
3,700.00	15.20	282.80	3,630.27	123.23	-542.52	408,043.44	561,678.60	32.1217734	-104.2676274	-119.82	0.00	0.00	0.00
3,800.00	15.20	282.80	3,726.77	129.04	-568.08	408,049.25	561,653.04	32.1217895	-104.2677099	-125.47	0.00	0.00	0.00
3,879.24	15.20	282.80	3,803.24	133.64	-588.34	408,053.85	561,632.78	32.1218021	-104.2677753	-129.94	0.00	0.00	0.00
Brushy Canyon													
3,900.00	15.20	282.80	3,823.28	134.85	-593.65	408,055.06	561,627.47	32.1218055	-104.2677925	-131.11	0.00	0.00	0.00
4,000.00	15.20	282.80	3,919.78	140.65	-619.21	408,060.86	561,601.91	32.1218215	-104.2678750	-136.76	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
4,100.00	15.20	282.80	4,016.28	146.46	-644.77	408,066.67	561,576.35	32.1218375	-104.2679576	-142.40	0.00	0.00	0.00
4,200.00	15.20	282.80	4,112.78	152.26	-670.34	408,072.47	561,550.79	32.1218535	-104.2680402	-148.05	0.00	0.00	0.00
4,300.00	15.20	282.80	4,209.29	158.07	-695.90	408,078.28	561,525.22	32.1218695	-104.2681227	-153.70	0.00	0.00	0.00
4,400.00	15.20	282.80	4,305.79	163.88	-721.46	408,084.09	561,499.66	32.1218855	-104.2682053	-159.34	0.00	0.00	0.00
4,500.00	15.20	282.80	4,402.29	169.68	-747.02	408,089.89	561,474.10	32.1219015	-104.2682879	-164.99	0.00	0.00	0.00
4,600.00	15.20	282.80	4,498.80	175.49	-772.59	408,095.70	561,448.53	32.1219175	-104.2683704	-170.63	0.00	0.00	0.00
4,700.00	15.20	282.80	4,595.30	181.30	-798.15	408,101.51	561,422.97	32.1219335	-104.2684530	-176.28	0.00	0.00	0.00
4,800.00	15.20	282.80	4,691.80	187.10	-823.71	408,107.31	561,397.41	32.1219495	-104.2685355	-181.92	0.00	0.00	0.00
4,900.00	15.20	282.80	4,788.31	192.91	-849.27	408,113.12	561,371.85	32.1219655	-104.2686181	-187.57	0.00	0.00	0.00
5,000.00	15.20	282.80	4,884.81	198.72	-874.84	408,118.93	561,346.28	32.1219815	-104.2687007	-193.22	0.00	0.00	0.00
5,100.00	15.20	282.80	4,981.31	204.52	-900.40	408,124.73	561,320.72	32.1219975	-104.2687832	-198.86	0.00	0.00	0.00
5,200.00	15.20	282.80	5,077.81	210.33	-925.96	408,130.54	561,295.16	32.1220135	-104.2688658	-204.51	0.00	0.00	0.00
5,300.00	15.20	282.80	5,174.32	216.14	-951.52	408,136.35	561,269.60	32.1220295	-104.2689483	-210.15	0.00	0.00	0.00
5,400.00	15.20	282.80	5,270.82	221.94	-977.09	408,142.15	561,244.03	32.1220455	-104.2690309	-215.80	0.00	0.00	0.00
5,500.00	15.20	282.80	5,367.32	227.75	-1,002.65	408,147.96	561,218.47	32.1220615	-104.2691135	-221.45	0.00	0.00	0.00
5,600.00	15.20	282.80	5,463.83	233.56	-1,028.21	408,153.77	561,192.91	32.1220775	-104.2691960	-227.09	0.00	0.00	0.00
5,623.27	15.20	282.80	5,486.28	234.91	-1,034.16	408,155.12	561,186.96	32.1220813	-104.2692152	-228.40	0.00	0.00	0.00
Bone Spring Lime													
5,700.00	15.20	282.80	5,560.33	239.36	-1,053.78	408,159.57	561,167.34	32.1220935	-104.2692786	-232.74	0.00	0.00	0.00
5,778.50	15.20	282.80	5,636.08	243.92	-1,073.84	408,164.13	561,147.28	32.1221061	-104.2693434	-237.17	0.00	0.00	0.00
Leonard													
5,800.00	15.20	282.80	5,656.83	245.17	-1,079.34	408,165.38	561,141.78	32.1221095	-104.2693612	-238.38	0.00	0.00	0.00
5,900.00	15.20	282.80	5,753.34	250.98	-1,104.90	408,171.19	561,116.22	32.1221255	-104.2694437	-244.03	0.00	0.00	0.00
6,000.00	15.20	282.80	5,849.84	256.78	-1,130.46	408,176.99	561,090.66	32.1221415	-104.2695263	-249.67	0.00	0.00	0.00
6,100.00	15.20	282.80	5,946.34	262.59	-1,156.03	408,182.80	561,065.09	32.1221575	-104.2696088	-255.32	0.00	0.00	0.00
6,200.00	15.20	282.80	6,042.85	268.39	-1,181.59	408,188.60	561,039.53	32.1221735	-104.2696914	-260.97	0.00	0.00	0.00
6,300.00	15.20	282.80	6,139.35	274.20	-1,207.15	408,194.41	561,013.97	32.1221896	-104.2697740	-266.61	0.00	0.00	0.00
6,400.00	15.20	282.80	6,235.85	280.01	-1,232.71	408,200.22	560,988.41	32.1222056	-104.2698565	-272.26	0.00	0.00	0.00
6,500.00	15.20	282.80	6,332.35	285.81	-1,258.28	408,206.02	560,962.84	32.1222216	-104.2699391	-277.90	0.00	0.00	0.00
6,540.79	15.20	282.80	6,371.72	288.18	-1,268.70	408,208.39	560,952.42	32.1222281	-104.2699728	-280.21	0.00	0.00	0.00
1s Bone Spring Sand													
6,600.00	15.20	282.80	6,428.86	291.62	-1,283.84	408,211.83	560,937.28	32.1222376	-104.2700216	-283.55	0.00	0.00	0.00
6,700.00	15.20	282.80	6,525.36	297.43	-1,309.40	408,217.64	560,911.72	32.1222536	-104.2701042	-289.19	0.00	0.00	0.00
6,717.63	15.20	282.80	6,542.37	298.45	-1,313.91	408,218.66	560,907.21	32.1222564	-104.2701188	-290.19	0.00	0.00	0.00
2nd Bone Spring Shale													
6,800.00	15.20	282.80	6,621.86	303.23	-1,334.96	408,223.44	560,886.16	32.1222696	-104.2701868	-294.84	0.00	0.00	0.00
6,818.70	15.20	282.80	6,639.91	304.32	-1,339.74	408,224.53	560,881.38	32.1222726	-104.2702022	-295.90	0.00	0.00	0.00
KOP - Start 10.00°/100' DLS													
6,850.00	15.08	270.80	6,670.13	305.29	-1,347.82	408,225.50	560,873.30	32.1222752	-104.2702283	-296.81	10.00	-0.36	-38.33

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
6,879.29	15.55	259.83	6,698.39	304.65	-1,355.50	408,224.86	560,865.62	32.1222735	-104.2702531	-296.12	10.00	1.58	-37.44
FTP (Pintail 23-26-35 FC 11H) 100 FNL & 330 FWL													
6,900.00	16.18	252.61	6,718.31	303.29	-1,360.98	408,223.50	560,860.14	32.1222698	-104.2702708	-294.74	10.00	3.06	-34.85
6,950.00	18.57	237.84	6,766.05	296.97	-1,374.38	408,217.18	560,846.74	32.1222524	-104.2703141	-288.33	10.00	4.78	-29.55
7,000.00	21.84	226.83	6,812.98	286.36	-1,387.91	408,206.57	560,833.21	32.1222233	-104.2703578	-277.64	10.00	6.53	-22.03
7,050.00	25.64	218.75	6,858.75	271.55	-1,401.48	408,191.76	560,819.64	32.1221826	-104.2704017	-262.74	10.00	7.61	-16.16
7,100.00	29.79	212.70	6,903.02	252.65	-1,414.97	408,172.86	560,806.15	32.1221306	-104.2704453	-243.76	10.00	8.28	-12.09
7,105.28	30.24	212.16	6,907.59	250.42	-1,416.38	408,170.63	560,804.74	32.1221245	-104.2704499	-241.52	10.00	8.55	-10.38
2nd Bone Spring Sand													
7,150.00	34.14	208.05	6,945.43	229.80	-1,428.28	408,150.01	560,792.84	32.1220679	-104.2704883	-220.82	10.00	8.73	-9.19
7,200.00	38.63	204.34	6,985.68	203.18	-1,441.32	408,123.39	560,779.80	32.1219947	-104.2705305	-194.12	10.00	8.99	-7.41
7,250.00	43.22	201.31	7,023.45	172.99	-1,453.98	408,093.20	560,767.14	32.1219117	-104.2705715	-163.86	10.00	9.18	-6.07
7,300.00	47.88	198.75	7,058.46	139.46	-1,466.17	408,059.67	560,754.95	32.1218196	-104.2706109	-130.25	10.00	9.31	-5.11
7,350.00	52.58	196.55	7,090.44	102.85	-1,477.80	408,023.06	560,743.32	32.1217190	-104.2706485	-93.56	10.00	9.41	-4.40
7,400.00	57.32	194.61	7,119.14	63.43	-1,488.77	407,983.64	560,732.35	32.1216106	-104.2706841	-54.07	10.00	9.48	-3.88
7,450.00	62.09	192.87	7,144.35	21.50	-1,499.01	407,941.71	560,722.11	32.1214954	-104.2707172	-12.08	10.00	9.54	-3.49
7,500.00	66.88	191.27	7,165.89	-22.61	-1,508.43	407,897.60	560,712.69	32.1213741	-104.2707477	32.09	10.00	9.58	-3.19
7,550.00	71.68	189.79	7,183.57	-68.58	-1,516.97	407,851.63	560,704.15	32.1212478	-104.2707754	78.11	10.00	9.61	-2.97
7,584.44	75.00	188.81	7,193.44	-101.14	-1,522.30	407,819.07	560,698.82	32.1211583	-104.2707927	110.70	10.00	9.63	-2.83
75° Inc - 7584.44' MD/7193.44' TVD													
7,600.00	76.50	188.38	7,197.27	-116.05	-1,524.55	407,804.16	560,696.57	32.1211173	-104.2708000	125.62	10.00	9.63	-2.76
7,650.00	81.32	187.03	7,206.89	-164.65	-1,531.12	407,755.56	560,690.00	32.1209837	-104.2708213	174.27	10.00	9.64	-2.70
7,700.00	86.15	185.72	7,212.34	-214.03	-1,536.64	407,706.18	560,684.48	32.1208479	-104.2708392	223.68	10.00	9.65	-2.63
7,734.94	89.52	184.81	7,213.66	-248.80	-1,539.84	407,671.41	560,681.28	32.1207524	-104.2708496	258.47	10.00	9.66	-2.60
LP - 7734.94' MD													
7,800.00	89.52	184.81	7,214.21	-313.62	-1,545.30	407,606.59	560,675.82	32.1205742	-104.2708673	323.33	0.00	0.00	0.00
7,900.00	89.52	184.81	7,215.05	-413.27	-1,553.68	407,506.94	560,667.44	32.1203003	-104.2708946	423.02	0.00	0.00	0.00
7,934.94	89.52	184.81	7,215.34	-448.08	-1,556.61	407,472.13	560,664.51	32.1202046	-104.2709041	457.86	0.00	0.00	0.00
Start Turn 0.00													
8,000.00	89.52	183.51	7,215.88	-512.97	-1,561.33	407,407.24	560,659.79	32.1200262	-104.2709195	522.77	2.00	0.00	-2.00
8,100.00	89.52	181.51	7,216.72	-612.86	-1,565.71	407,307.35	560,655.41	32.1197516	-104.2709338	622.69	2.00	0.00	-2.00
8,184.93	89.52	179.81	7,217.43	-697.78	-1,566.68	407,222.43	560,654.44	32.1195182	-104.2709372	707.61	2.00	0.00	-2.00
Start hold at 8184.93 MD													
8,200.00	89.52	179.81	7,217.56	-712.85	-1,566.63	407,207.36	560,654.49	32.1194768	-104.2709370	722.68	0.00	0.00	0.00
8,300.00	89.52	179.81	7,218.40	-812.85	-1,566.30	407,107.36	560,654.82	32.1192019	-104.2709361	822.67	0.00	0.00	0.00
8,400.00	89.52	179.81	7,219.24	-912.84	-1,565.97	407,007.37	560,655.15	32.1189270	-104.2709352	922.67	0.00	0.00	0.00
8,500.00	89.52	179.81	7,220.07	-1,012.84	-1,565.64	406,907.37	560,655.48	32.1186521	-104.2709344	1,022.66	0.00	0.00	0.00
8,600.00	89.52	179.81	7,220.91	-1,112.84	-1,565.31	406,807.37	560,655.81	32.1183772	-104.2709335	1,122.65	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
8,700.00	89.52	179.81	7,221.75	-1,212.83	-1,564.98	406,707.38	560,656.14	32.1181023	-104.2709326	1,222.64	0.00	0.00	0.00
8,800.00	89.52	179.81	7,222.59	-1,312.83	-1,564.64	406,607.38	560,656.48	32.1178275	-104.2709317	1,322.63	0.00	0.00	0.00
8,900.00	89.52	179.81	7,223.42	-1,412.82	-1,564.31	406,507.39	560,656.81	32.1175526	-104.2709308	1,422.62	0.00	0.00	0.00
9,000.00	89.52	179.81	7,224.26	-1,512.82	-1,563.98	406,407.39	560,657.14	32.1172777	-104.2709299	1,522.62	0.00	0.00	0.00
9,100.00	89.52	179.81	7,225.10	-1,612.82	-1,563.65	406,307.39	560,657.47	32.1170028	-104.2709291	1,622.61	0.00	0.00	0.00
9,200.00	89.52	179.81	7,225.94	-1,712.81	-1,563.32	406,207.40	560,657.80	32.1167279	-104.2709282	1,722.60	0.00	0.00	0.00
9,300.00	89.52	179.81	7,226.78	-1,812.81	-1,562.99	406,107.40	560,658.13	32.1164530	-104.2709273	1,822.59	0.00	0.00	0.00
9,400.00	89.52	179.81	7,227.61	-1,912.80	-1,562.66	406,007.41	560,658.46	32.1161782	-104.2709264	1,922.58	0.00	0.00	0.00
9,500.00	89.52	179.81	7,228.45	-2,012.80	-1,562.32	405,907.41	560,658.80	32.1159033	-104.2709255	2,022.58	0.00	0.00	0.00
9,600.00	89.52	179.81	7,229.29	-2,112.80	-1,561.99	405,807.41	560,659.13	32.1156284	-104.2709246	2,122.57	0.00	0.00	0.00
9,700.00	89.52	179.81	7,230.13	-2,212.79	-1,561.66	405,707.42	560,659.46	32.1153535	-104.2709238	2,222.56	0.00	0.00	0.00
9,800.00	89.52	179.81	7,230.96	-2,312.79	-1,561.33	405,607.42	560,659.79	32.1150786	-104.2709229	2,322.55	0.00	0.00	0.00
9,900.00	89.52	179.81	7,231.80	-2,412.78	-1,561.00	405,507.43	560,660.12	32.1148037	-104.2709220	2,422.54	0.00	0.00	0.00
10,000.00	89.52	179.81	7,232.64	-2,512.78	-1,560.67	405,407.43	560,660.45	32.1145288	-104.2709211	2,522.54	0.00	0.00	0.00
10,100.00	89.52	179.81	7,233.48	-2,612.77	-1,560.33	405,307.44	560,660.79	32.1142540	-104.2709202	2,622.53	0.00	0.00	0.00
10,200.00	89.52	179.81	7,234.32	-2,712.77	-1,560.00	405,207.44	560,661.12	32.1139791	-104.2709193	2,722.52	0.00	0.00	0.00
10,300.00	89.52	179.81	7,235.15	-2,812.77	-1,559.67	405,107.44	560,661.45	32.1137042	-104.2709185	2,822.51	0.00	0.00	0.00
10,400.00	89.52	179.81	7,235.99	-2,912.76	-1,559.34	405,007.45	560,661.78	32.1134293	-104.2709176	2,922.50	0.00	0.00	0.00
10,500.00	89.52	179.81	7,236.83	-3,012.76	-1,559.01	404,907.45	560,662.11	32.1131544	-104.2709167	3,022.49	0.00	0.00	0.00
10,600.00	89.52	179.81	7,237.67	-3,112.75	-1,558.68	404,807.46	560,662.44	32.1128795	-104.2709158	3,122.49	0.00	0.00	0.00
10,687.59	89.52	179.81	7,238.40	-3,200.34	-1,558.39	404,719.87	560,662.73	32.1126388	-104.2709150	3,210.07	0.00	0.00	0.00
Target													
10,700.00	89.52	179.81	7,238.50	-3,212.75	-1,558.34	404,707.46	560,662.78	32.1126047	-104.2709149	3,222.48	0.00	0.00	0.00
10,800.00	89.52	179.81	7,239.34	-3,312.75	-1,558.01	404,607.46	560,663.11	32.1123298	-104.2709140	3,322.47	0.00	0.00	0.00
10,900.00	89.52	179.81	7,240.18	-3,412.74	-1,557.68	404,507.47	560,663.44	32.1120549	-104.2709131	3,422.46	0.00	0.00	0.00
11,000.00	89.52	179.81	7,241.02	-3,512.74	-1,557.35	404,407.47	560,663.77	32.1117800	-104.2709123	3,522.45	0.00	0.00	0.00
11,100.00	89.52	179.81	7,241.86	-3,612.73	-1,557.02	404,307.48	560,664.10	32.1115051	-104.2709114	3,622.45	0.00	0.00	0.00
11,200.00	89.52	179.81	7,242.69	-3,712.73	-1,556.69	404,207.48	560,664.43	32.1112302	-104.2709105	3,722.44	0.00	0.00	0.00
11,300.00	89.52	179.81	7,243.53	-3,812.73	-1,556.35	404,107.48	560,664.77	32.1109553	-104.2709096	3,822.43	0.00	0.00	0.00
11,400.00	89.52	179.81	7,244.37	-3,912.72	-1,556.02	404,007.49	560,665.10	32.1106805	-104.2709087	3,922.42	0.00	0.00	0.00
11,500.00	89.52	179.81	7,245.21	-4,012.72	-1,555.69	403,907.49	560,665.43	32.1104056	-104.2709078	4,022.41	0.00	0.00	0.00
11,600.00	89.52	179.81	7,246.04	-4,112.71	-1,555.36	403,807.50	560,665.76	32.1101307	-104.2709070	4,122.41	0.00	0.00	0.00
11,700.00	89.52	179.81	7,246.88	-4,212.71	-1,555.03	403,707.50	560,666.09	32.1098558	-104.2709061	4,222.40	0.00	0.00	0.00
11,800.00	89.52	179.81	7,247.72	-4,312.71	-1,554.70	403,607.50	560,666.42	32.1095809	-104.2709052	4,322.39	0.00	0.00	0.00
11,900.00	89.52	179.81	7,248.56	-4,412.70	-1,554.37	403,507.51	560,666.75	32.1093060	-104.2709043	4,422.38	0.00	0.00	0.00
12,000.00	89.52	179.81	7,249.39	-4,512.70	-1,554.03	403,407.51	560,667.09	32.1090312	-104.2709034	4,522.37	0.00	0.00	0.00
12,100.00	89.52	179.81	7,250.23	-4,612.69	-1,553.70	403,307.52	560,667.42	32.1087563	-104.2709025	4,622.36	0.00	0.00	0.00
12,200.00	89.52	179.81	7,251.07	-4,712.69	-1,553.37	403,207.52	560,667.75	32.1084814	-104.2709017	4,722.36	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
12,300.00	89.52	179.81	7,251.91	-4,812.69	-1,553.04	403,107.52	560,668.08	32.1082065	-104.2709008	4,822.35	0.00	0.00	0.00
12,359.93	89.52	179.81	7,252.41	-4,872.61	-1,552.84	403,047.60	560,668.28	32.1080418	-104.2709002	4,882.27	0.00	0.00	0.00
Start DLS 2.00 TFO 90.00 - IP1 (Pintail 23-26-35 FC 11H)													
12,396.00	89.52	180.53	7,252.71	-4,908.68	-1,552.95	403,011.53	560,668.17	32.1079426	-104.2709007	4,918.34	2.00	0.00	2.00
Start hold at 12396.00 MD													
12,400.00	89.52	180.53	7,252.75	-4,912.68	-1,552.98	403,007.53	560,668.14	32.1079316	-104.2709008	4,922.34	0.00	0.00	0.00
12,500.00	89.52	180.53	7,253.58	-5,012.67	-1,553.91	402,907.54	560,667.21	32.1076567	-104.2709040	5,022.34	0.00	0.00	0.00
12,600.00	89.52	180.53	7,254.42	-5,112.67	-1,554.84	402,807.54	560,666.28	32.1073819	-104.2709072	5,122.33	0.00	0.00	0.00
12,700.00	89.52	180.53	7,255.26	-5,212.66	-1,555.77	402,707.55	560,665.35	32.1071070	-104.2709103	5,222.33	0.00	0.00	0.00
12,800.00	89.52	180.53	7,256.10	-5,312.65	-1,556.70	402,607.56	560,664.42	32.1068321	-104.2709135	5,322.33	0.00	0.00	0.00
12,900.00	89.52	180.53	7,256.93	-5,412.64	-1,557.62	402,507.57	560,663.50	32.1065572	-104.2709167	5,422.32	0.00	0.00	0.00
13,000.00	89.52	180.53	7,257.77	-5,512.63	-1,558.55	402,407.58	560,662.57	32.1062824	-104.2709199	5,522.32	0.00	0.00	0.00
13,100.00	89.52	180.53	7,258.61	-5,612.63	-1,559.48	402,307.58	560,661.64	32.1060075	-104.2709231	5,622.31	0.00	0.00	0.00
13,200.00	89.52	180.53	7,259.45	-5,712.62	-1,560.41	402,207.59	560,660.71	32.1057326	-104.2709262	5,722.31	0.00	0.00	0.00
13,300.00	89.52	180.53	7,260.29	-5,812.61	-1,561.33	402,107.60	560,659.79	32.1054578	-104.2709294	5,822.31	0.00	0.00	0.00
13,400.00	89.52	180.53	7,261.12	-5,912.60	-1,562.26	402,007.61	560,658.86	32.1051829	-104.2709326	5,922.30	0.00	0.00	0.00
13,500.00	89.52	180.53	7,261.96	-6,012.60	-1,563.19	401,907.61	560,657.93	32.1049080	-104.2709358	6,022.30	0.00	0.00	0.00
13,600.00	89.52	180.53	7,262.80	-6,112.59	-1,564.12	401,807.62	560,657.00	32.1046331	-104.2709390	6,122.29	0.00	0.00	0.00
13,700.00	89.52	180.53	7,263.64	-6,212.58	-1,565.04	401,707.63	560,656.08	32.1043583	-104.2709422	6,222.29	0.00	0.00	0.00
13,800.00	89.52	180.53	7,264.47	-6,312.57	-1,565.97	401,607.64	560,655.15	32.1040834	-104.2709453	6,322.29	0.00	0.00	0.00
13,900.00	89.52	180.53	7,265.31	-6,412.56	-1,566.90	401,507.65	560,654.22	32.1038085	-104.2709485	6,422.28	0.00	0.00	0.00
14,000.00	89.52	180.53	7,266.15	-6,512.56	-1,567.83	401,407.65	560,653.29	32.1035336	-104.2709517	6,522.28	0.00	0.00	0.00
14,100.00	89.52	180.53	7,266.99	-6,612.55	-1,568.75	401,307.66	560,652.37	32.1032588	-104.2709549	6,622.27	0.00	0.00	0.00
14,200.00	89.52	180.53	7,267.82	-6,712.54	-1,569.68	401,207.67	560,651.44	32.1029839	-104.2709581	6,722.27	0.00	0.00	0.00
14,300.00	89.52	180.53	7,268.66	-6,812.53	-1,570.61	401,107.68	560,650.51	32.1027090	-104.2709613	6,822.27	0.00	0.00	0.00
14,400.00	89.52	180.53	7,269.50	-6,912.53	-1,571.54	401,007.69	560,649.58	32.1024342	-104.2709644	6,922.26	0.00	0.00	0.00
14,500.00	89.52	180.53	7,270.34	-7,012.52	-1,572.46	400,907.69	560,648.66	32.1021593	-104.2709676	7,022.26	0.00	0.00	0.00
14,600.00	89.52	180.53	7,271.18	-7,112.51	-1,573.39	400,807.70	560,647.73	32.1018844	-104.2709708	7,122.25	0.00	0.00	0.00
14,700.00	89.52	180.53	7,272.01	-7,212.50	-1,574.32	400,707.71	560,646.80	32.1016095	-104.2709740	7,222.25	0.00	0.00	0.00
14,800.00	89.52	180.53	7,272.85	-7,312.49	-1,575.25	400,607.72	560,645.87	32.1013347	-104.2709772	7,322.25	0.00	0.00	0.00
14,900.00	89.52	180.53	7,273.69	-7,412.49	-1,576.17	400,507.72	560,644.95	32.1010598	-104.2709804	7,422.24	0.00	0.00	0.00
15,004.06	89.52	180.53	7,274.56	-7,516.54	-1,577.14	400,403.67	560,643.98	32.1007738	-104.2709837	7,526.30	0.00	0.00	0.00
Start DLS 2.00 TFO 90.22 - IP2 (Pintail 23-26-35 FC 11H)													
15,006.10	89.52	180.57	7,274.58	-7,518.58	-1,577.16	400,401.63	560,643.96	32.1007682	-104.2709837	7,528.34	2.00	-0.01	2.00
Start hold at 15006.10 MD													
15,100.00	89.52	180.57	7,275.36	-7,612.47	-1,578.10	400,307.74	560,643.02	32.1005100	-104.2709869	7,622.23	0.00	0.00	0.00
15,200.00	89.52	180.57	7,276.20	-7,712.46	-1,579.10	400,207.75	560,642.02	32.1002352	-104.2709903	7,722.23	0.00	0.00	0.00
15,300.00	89.52	180.57	7,277.04	-7,812.45	-1,580.09	400,107.76	560,641.03	32.0999603	-104.2709938	7,822.23	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
15,400.00	89.52	180.57	7,277.88	-7,912.44	-1,581.09	400,007.77	560,640.03	32.0996854	-104.2709972	7,922.22	0.00	0.00	0.00
15,462.31	89.52	180.57	7,278.40	-7,974.75	-1,581.72	399,945.46	560,639.40	32.0995142	-104.2709993	7,984.53	0.00	0.00	0.00
Target Base													
15,500.00	89.52	180.57	7,278.72	-8,012.44	-1,582.09	399,907.77	560,639.03	32.0994106	-104.2710006	8,022.22	0.00	0.00	0.00
15,600.00	89.52	180.57	7,279.55	-8,112.43	-1,583.09	399,807.78	560,638.03	32.0991357	-104.2710040	8,122.21	0.00	0.00	0.00
15,700.00	89.52	180.57	7,280.39	-8,212.42	-1,584.09	399,707.79	560,637.03	32.0988608	-104.2710074	8,222.21	0.00	0.00	0.00
15,800.00	89.52	180.57	7,281.23	-8,312.41	-1,585.09	399,607.80	560,636.03	32.0985860	-104.2710108	8,322.21	0.00	0.00	0.00
15,900.00	89.52	180.57	7,282.07	-8,412.40	-1,586.09	399,507.81	560,635.03	32.0983111	-104.2710142	8,422.20	0.00	0.00	0.00
16,000.00	89.52	180.57	7,282.91	-8,512.39	-1,587.08	399,407.82	560,634.04	32.0980362	-104.2710176	8,522.20	0.00	0.00	0.00
16,100.00	89.52	180.57	7,283.74	-8,612.38	-1,588.08	399,307.83	560,633.04	32.0977613	-104.2710211	8,622.19	0.00	0.00	0.00
16,200.00	89.52	180.57	7,284.58	-8,712.38	-1,589.08	399,207.83	560,632.04	32.0974865	-104.2710245	8,722.19	0.00	0.00	0.00
16,300.00	89.52	180.57	7,285.42	-8,812.37	-1,590.08	399,107.84	560,631.04	32.0972116	-104.2710279	8,822.18	0.00	0.00	0.00
16,400.00	89.52	180.57	7,286.26	-8,912.36	-1,591.08	399,007.85	560,630.04	32.0969367	-104.2710313	8,922.18	0.00	0.00	0.00
16,500.00	89.52	180.57	7,287.10	-9,012.35	-1,592.08	398,907.86	560,629.04	32.0966619	-104.2710347	9,022.18	0.00	0.00	0.00
16,600.00	89.52	180.57	7,287.93	-9,112.34	-1,593.08	398,807.87	560,628.04	32.0963870	-104.2710381	9,122.17	0.00	0.00	0.00
16,700.00	89.52	180.57	7,288.77	-9,212.33	-1,594.08	398,707.88	560,627.04	32.0961121	-104.2710415	9,222.17	0.00	0.00	0.00
16,800.00	89.52	180.57	7,289.61	-9,312.33	-1,595.07	398,607.88	560,626.05	32.0958372	-104.2710449	9,322.16	0.00	0.00	0.00
16,900.00	89.52	180.57	7,290.45	-9,412.32	-1,596.07	398,507.89	560,625.05	32.0955624	-104.2710483	9,422.16	0.00	0.00	0.00
17,000.00	89.52	180.57	7,291.29	-9,512.31	-1,597.07	398,407.90	560,624.05	32.0952875	-104.2710518	9,522.16	0.00	0.00	0.00
17,100.00	89.52	180.57	7,292.12	-9,612.30	-1,598.07	398,307.91	560,623.05	32.0950126	-104.2710552	9,622.15	0.00	0.00	0.00
17,200.00	89.52	180.57	7,292.96	-9,712.29	-1,599.07	398,207.92	560,622.05	32.0947378	-104.2710586	9,722.15	0.00	0.00	0.00
17,300.00	89.52	180.57	7,293.80	-9,812.28	-1,600.07	398,107.93	560,621.05	32.0944629	-104.2710620	9,822.14	0.00	0.00	0.00
17,400.00	89.52	180.57	7,294.64	-9,912.27	-1,601.07	398,007.94	560,620.05	32.0941880	-104.2710654	9,922.14	0.00	0.00	0.00
17,500.00	89.52	180.57	7,295.48	-10,012.27	-1,602.06	397,907.94	560,619.06	32.0939131	-104.2710688	10,022.13	0.00	0.00	0.00
17,600.00	89.52	180.57	7,296.31	-10,112.26	-1,603.06	397,807.95	560,618.06	32.0936383	-104.2710722	10,122.13	0.00	0.00	0.00
17,637.80	89.52	180.57	7,296.63	-10,150.05	-1,603.44	397,770.16	560,617.68	32.0935344	-104.2710735	10,159.92	0.00	0.00	0.00
Start DLS 2.00 TFO 89.93 - IP3 (Pintail 23-26-35 FC 11H)													
17,644.84	89.52	180.71	7,296.69	-10,157.09	-1,603.52	397,763.12	560,617.60	32.0935150	-104.2710738	10,166.97	2.00	0.00	2.00
Start hold at 17644.84 MD													
17,700.00	89.52	180.71	7,297.15	-10,212.25	-1,604.21	397,707.96	560,616.91	32.0933634	-104.2710761	10,222.13	0.00	0.00	0.00
17,800.00	89.52	180.71	7,297.99	-10,312.24	-1,605.45	397,607.97	560,615.67	32.0930885	-104.2710803	10,322.12	0.00	0.00	0.00
17,900.00	89.52	180.71	7,298.83	-10,412.22	-1,606.69	397,507.99	560,614.43	32.0928137	-104.2710845	10,422.11	0.00	0.00	0.00
18,000.00	89.52	180.71	7,299.66	-10,512.21	-1,607.94	397,408.00	560,613.18	32.0925388	-104.2710887	10,522.11	0.00	0.00	0.00
18,100.00	89.52	180.71	7,300.50	-10,612.20	-1,609.18	397,308.01	560,611.94	32.0922640	-104.2710929	10,622.10	0.00	0.00	0.00
18,200.00	89.52	180.71	7,301.34	-10,712.19	-1,610.43	397,208.02	560,610.69	32.0919891	-104.2710971	10,722.10	0.00	0.00	0.00
18,300.00	89.52	180.71	7,302.18	-10,812.18	-1,611.67	397,108.03	560,609.45	32.0917142	-104.2711013	10,822.09	0.00	0.00	0.00
18,400.00	89.52	180.71	7,303.01	-10,912.17	-1,612.92	397,008.04	560,608.20	32.0914394	-104.2711055	10,922.09	0.00	0.00	0.00
18,500.00	89.52	180.71	7,303.85	-11,012.16	-1,614.16	396,908.05	560,606.96	32.0911645	-104.2711097	11,022.08	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
18,600.00	89.52	180.71	7,304.69	-11,112.15	-1,615.41	396,808.06	560,605.71	32.0908896	-104.2711139	11,122.08	0.00	0.00	0.00
18,700.00	89.52	180.71	7,305.53	-11,212.13	-1,616.65	396,708.08	560,604.47	32.0906148	-104.2711182	11,222.07	0.00	0.00	0.00
18,800.00	89.52	180.71	7,306.37	-11,312.12	-1,617.90	396,608.09	560,603.22	32.0903399	-104.2711224	11,322.07	0.00	0.00	0.00
18,900.00	89.52	180.71	7,307.20	-11,412.11	-1,619.14	396,508.10	560,601.98	32.0900650	-104.2711266	11,422.06	0.00	0.00	0.00
19,000.00	89.52	180.71	7,308.04	-11,512.10	-1,620.39	396,408.11	560,600.73	32.0897902	-104.2711308	11,522.05	0.00	0.00	0.00
19,100.00	89.52	180.71	7,308.88	-11,612.09	-1,621.63	396,308.12	560,599.49	32.0895153	-104.2711350	11,622.05	0.00	0.00	0.00
19,200.00	89.52	180.71	7,309.72	-11,712.08	-1,622.87	396,208.13	560,598.25	32.0892405	-104.2711392	11,722.04	0.00	0.00	0.00
19,300.00	89.52	180.71	7,310.55	-11,812.07	-1,624.12	396,108.14	560,597.00	32.0889656	-104.2711434	11,822.04	0.00	0.00	0.00
19,400.00	89.52	180.71	7,311.39	-11,912.06	-1,625.36	396,008.15	560,595.76	32.0886907	-104.2711476	11,922.03	0.00	0.00	0.00
19,500.00	89.52	180.71	7,312.23	-12,012.04	-1,626.61	395,908.17	560,594.51	32.0884159	-104.2711518	12,022.03	0.00	0.00	0.00
19,600.00	89.52	180.71	7,313.07	-12,112.03	-1,627.85	395,808.18	560,593.27	32.0881410	-104.2711560	12,122.02	0.00	0.00	0.00
19,700.00	89.52	180.71	7,313.90	-12,212.02	-1,629.10	395,708.19	560,592.02	32.0878661	-104.2711602	12,222.02	0.00	0.00	0.00
19,800.00	89.52	180.71	7,314.74	-12,312.01	-1,630.34	395,608.20	560,590.78	32.0875913	-104.2711644	12,322.01	0.00	0.00	0.00
19,900.00	89.52	180.71	7,315.58	-12,412.00	-1,631.59	395,508.21	560,589.53	32.0873164	-104.2711686	12,422.01	0.00	0.00	0.00
20,000.00	89.52	180.71	7,316.42	-12,511.99	-1,632.83	395,408.22	560,588.29	32.0870415	-104.2711728	12,522.00	0.00	0.00	0.00
20,100.00	89.52	180.71	7,317.25	-12,611.98	-1,634.08	395,308.23	560,587.04	32.0867667	-104.2711770	12,622.00	0.00	0.00	0.00
20,200.00	89.52	180.71	7,318.09	-12,711.97	-1,635.32	395,208.24	560,585.80	32.0864918	-104.2711812	12,721.99	0.00	0.00	0.00
20,300.00	89.52	180.71	7,318.93	-12,811.95	-1,636.56	395,108.26	560,584.56	32.0862170	-104.2711854	12,821.98	0.00	0.00	0.00
20,400.00	89.52	180.71	7,319.77	-12,911.94	-1,637.81	395,008.27	560,583.31	32.0859421	-104.2711896	12,921.98	0.00	0.00	0.00
20,500.00	89.52	180.71	7,320.61	-13,011.93	-1,639.05	394,908.28	560,582.07	32.0856672	-104.2711938	13,021.97	0.00	0.00	0.00
20,600.00	89.52	180.71	7,321.44	-13,111.92	-1,640.30	394,808.29	560,580.82	32.0853924	-104.2711980	13,121.97	0.00	0.00	0.00
20,700.00	89.52	180.71	7,322.28	-13,211.91	-1,641.54	394,708.30	560,579.58	32.0851175	-104.2712022	13,221.96	0.00	0.00	0.00
20,800.00	89.52	180.71	7,323.12	-13,311.90	-1,642.79	394,608.31	560,578.33	32.0848426	-104.2712065	13,321.96	0.00	0.00	0.00
20,900.00	89.52	180.71	7,323.96	-13,411.89	-1,644.03	394,508.32	560,577.09	32.0845678	-104.2712107	13,421.95	0.00	0.00	0.00
21,000.00	89.52	180.71	7,324.79	-13,511.88	-1,645.28	394,408.33	560,575.84	32.0842929	-104.2712149	13,521.95	0.00	0.00	0.00
21,100.00	89.52	180.71	7,325.63	-13,611.86	-1,646.52	394,308.35	560,574.60	32.0840180	-104.2712191	13,621.94	0.00	0.00	0.00
21,200.00	89.52	180.71	7,326.47	-13,711.85	-1,647.77	394,208.36	560,573.35	32.0837432	-104.2712233	13,721.94	0.00	0.00	0.00
21,300.00	89.52	180.71	7,327.31	-13,811.84	-1,649.01	394,108.37	560,572.11	32.0834683	-104.2712275	13,821.93	0.00	0.00	0.00
21,400.00	89.52	180.71	7,328.14	-13,911.83	-1,650.25	394,008.38	560,570.87	32.0831935	-104.2712317	13,921.93	0.00	0.00	0.00
21,500.00	89.52	180.71	7,328.98	-14,011.82	-1,651.50	393,908.39	560,569.62	32.0829186	-104.2712359	14,021.92	0.00	0.00	0.00
21,600.00	89.52	180.71	7,329.82	-14,111.81	-1,652.74	393,808.40	560,568.38	32.0826437	-104.2712401	14,121.91	0.00	0.00	0.00
21,700.00	89.52	180.71	7,330.66	-14,211.80	-1,653.99	393,708.41	560,567.13	32.0823689	-104.2712443	14,221.91	0.00	0.00	0.00
21,800.00	89.52	180.71	7,331.50	-14,311.79	-1,655.23	393,608.42	560,565.89	32.0820940	-104.2712485	14,321.90	0.00	0.00	0.00
21,900.00	89.52	180.71	7,332.33	-14,411.77	-1,656.48	393,508.44	560,564.64	32.0818191	-104.2712527	14,421.90	0.00	0.00	0.00
22,000.00	89.52	180.71	7,333.17	-14,511.76	-1,657.72	393,408.45	560,563.40	32.0815443	-104.2712569	14,521.89	0.00	0.00	0.00
22,100.00	89.52	180.71	7,334.01	-14,611.75	-1,658.97	393,308.46	560,562.15	32.0812694	-104.2712611	14,621.89	0.00	0.00	0.00
22,200.00	89.52	180.71	7,334.85	-14,711.74	-1,660.21	393,208.47	560,560.91	32.0809945	-104.2712653	14,721.88	0.00	0.00	0.00
22,300.00	89.52	180.71	7,335.68	-14,811.73	-1,661.46	393,108.48	560,559.66	32.0807197	-104.2712695	14,821.88	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**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)
22,400.00	89.52	180.71	7,336.52	-14,911.72	-1,662.70	393,008.49	560,558.42	32.0804448	-104.2712737	14,921.87	0.00	0.00	0.00
22,500.00	89.52	180.71	7,337.36	-15,011.71	-1,663.95	392,908.50	560,557.17	32.0801700	-104.2712779	15,021.87	0.00	0.00	0.00
22,600.00	89.52	180.71	7,338.20	-15,111.70	-1,665.19	392,808.51	560,555.93	32.0798951	-104.2712821	15,121.86	0.00	0.00	0.00
22,700.00	89.52	180.71	7,339.03	-15,211.68	-1,666.43	392,708.53	560,554.69	32.0796202	-104.2712863	15,221.85	0.00	0.00	0.00
22,800.00	89.52	180.71	7,339.87	-15,311.67	-1,667.68	392,608.54	560,553.44	32.0793454	-104.2712905	15,321.85	0.00	0.00	0.00
22,815.35	89.52	180.71	7,340.00	-15,327.02	-1,667.87	392,593.19	560,553.25	32.0793032	-104.2712912	15,337.20	0.00	0.00	0.00
TD at 22815.35 - LTP (Pintail 23-26-35 FC 11H) 100 FSL & 330 FWL													

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	0.00	0.00	6,639.91	306.52	-1,569.82	408,226.73	560,651.30	32.1222790	-104.2709454
- plan misses target center by 222.17usft at 6879.69usft MD (6698.77 TVD, 304.63 N, -1355.60 E)									
- Point									
IP1 (Pintail 23-26-35 F	0.00	0.00	7,252.40	-4,872.61	-1,552.84	403,047.60	560,668.28	32.1080418	-104.2709002
- plan misses target center by 0.01usft at 12359.93usft MD (7252.41 TVD, -4872.61 N, -1552.84 E)									
- Point									
IP2 (Pintail 23-26-35 F	0.00	0.00	7,274.55	-7,516.54	-1,577.14	400,403.67	560,643.98	32.1007738	-104.2709837
- plan misses target center by 0.01usft at 15004.06usft MD (7274.56 TVD, -7516.54 N, -1577.14 E)									
- Point									
IP3 (Pintail 23-26-35 F	0.00	0.00	7,296.63	-10,150.05	-1,603.44	397,770.16	560,617.68	32.0935344	-104.2710735
- plan hits target center									
- Point									
LTP (Pintail 23-26-35	0.00	0.00	7,340.00	-15,327.02	-1,667.87	392,593.19	560,553.25	32.0793032	-104.2712912
- plan hits target center									
- Point									

Total Directional

Planned Survey Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Well:	Pintail 23-26-35 Federal Com 11H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan 1	**Database:**	.Total Directional Production DB

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
431.08	431.08	Rustler			
1,075.95	1,075.95	Top of Salt			
1,669.85	1,667.75	Base of Salt			
1,885.97	1,879.43	Base Anhydrate			
1,900.44	1,893.48	Bell Lamar			
2,028.14	2,016.88	Bell Canyon			
2,728.14	2,692.39	Cherry Canyon			
3,879.24	3,803.24	Brushy Canyon			
5,623.27	5,486.28	Bone Spring Lime			
5,778.50	5,636.08	Leonard			
6,540.79	6,371.72	1s Bone Spring Sand			
6,717.63	6,542.37	2nd Bone Spring Shale			
7,105.28	6,907.59	2nd Bone Spring Sand			
10,687.59	7,238.40	Target			
15,462.31	7,278.40	Target Base			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
1200	1200	0	0	Start Build 2.00
1960	1951	22	-98	Start hold at 1959.85 MD
6819	6640	304	-1340	KOP - Start 10.00°/100' DLS
7584	7193	-101	-1522	75° Inc - 7584.44' MD/7193.44' TVD
7735	7214	-249	-1540	LP - 7734.94' MD
7935	7215	-448	-1557	Start Turn 0.00
8185	7217	-698	-1567	Start hold at 8184.93 MD
12,360	7252	-4873	-1553	Start DLS 2.00 TFO 90.00
12,396	7253	-4909	-1553	Start hold at 12396.00 MD
15,004	7275	-7517	-1577	Start DLS 2.00 TFO 90.22
15,006	7275	-7519	-1577	Start hold at 15006.10 MD
17,638	7297	-10,150	-1603	Start DLS 2.00 TFO 89.93
17,645	7297	-10,157	-1604	Start hold at 17644.84 MD
22,815	7340	-15,327	-1668	TD at 22815.35

Checked By: _____ Approved By: _____ Date: _____

Coterra Energy

Eddy County, NM (NAD 83)
Pintail 23-26-35 Federal Com
Pintail 23-26-35 Federal Com 11H

424' FNL, 1899' 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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 11H						
Well Position	**+N/-S**	0.00 usft	**Northing:**	407,920.21 usft	**Latitude:**	32.1214338	
	+E/-W	0.00 usft	**Easting:**	562,221.12 usft	**Longitude:**	-104.2658752	
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,300.40 usft	
Grid Convergence:		0.04 °					

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	22,815.35	Plan 1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Expierimental: Summary Highlights: Pintail 23-26-35 Federal Com 11H

At 22,815.35 MD, Pintail 23-26-35 Federal Com 12H - OH - Plan 1 is 293.90 usft away with a 1.17 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 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 17H -	3,300.20	3,323.20	407,955.65	562,260.72	32.1215311	-104.2657472	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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	3,024.77	2,869.00	1,217.78	1,199.67	67.27	CC, ES
Pintail 23 Fed Com 005Y - OH - Svy	3,200.00	2,901.00	1,227.24	1,208.55	65.66	SF
Pintail 23 Fed Com 2H - OH - Svy						Out of range
Pintail 23-26-35 Federal Com 12H - OH - Plan 1	1,200.00	1,200.10	20.00	11.56	2.37	CC, ES
Pintail 23-26-35 Federal Com 12H - OH - Plan 1	22,815.35	23,235.54	293.90	42.88	1.17	Level 2, SF
Pintail 23-26-35 Federal Com 13H - OH - Plan 1	1,407.89	1,407.76	34.04	24.13	3.44	CC, ES
Pintail 23-26-35 Federal Com 13H - OH - Plan 1	1,500.00	1,499.21	35.34	24.78	3.35	SF
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	2,313.66	2,307.07	139.88	123.52	8.55	CC
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	2,400.00	2,392.97	140.15	123.16	8.25	ES
Pintail 23-26-35 Federal Com 14H - OH - Plan 1	3,200.00	3,188.89	165.99	143.14	7.26	SF
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	1,200.00	1,199.90	156.25	147.81	18.52	CC
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	1,400.00	1,397.37	157.13	147.30	15.99	ES
Pintail 23-26-35 Federal Com 15H - OH - Plan 1	22,815.35	23,950.55	1,529.54	1,275.61	6.02	SF
Pintail 23-26-35 Federal Com 16H - OH - Plan 1	1,200.00	1,200.00	39.99	31.55	4.74	CC, ES
Pintail 23-26-35 Federal Com 16H - OH - Plan 1	1,300.00	1,299.98	41.69	32.54	4.56	SF
Pintail 23-26-35 Federal Com 17H - OH - Plan 1	1,200.00	1,199.80	53.14	44.71	6.30	CC, ES
Pintail 23-26-35 Federal Com 17H - OH - Plan 1	22,815.35	23,091.89	1,309.29	1,064.20	5.34	SF
Pintail 23-26-35 Federal Com 19H - OH - Plan 1	1,200.00	1,200.00	40.31	31.87	4.78	CC
Pintail 23-26-35 Federal Com 19H - OH - Plan 1	1,300.00	1,299.98	40.84	31.69	4.46	ES
Pintail 23-26-35 Federal Com 19H - OH - Plan 1	1,400.00	1,399.84	42.80	32.94	4.34	SF
Wigeon 23-26 Federal Com						
Bonnie 35 Fed Com 001H - OH - Svy						Out of range
GOLDENEYE 26 FEDERAL COM #2 - OH - Svy	12,686.78	7,171.61	1,175.83	1,114.70	19.23	CC, ES, SF
Pintail 23 Fed Com 001H - OH - OH Svy	8,443.81	7,285.25	660.69	606.50	12.19	CC, ES, SF
Pintail 23 Fed Com 001H - ST01 - ST01 Svy	8,443.81	7,285.25	660.69	606.50	12.19	CC, ES, SF
Wigeon 23 Fed Com #2 - OH - Cone	1,200.00	1,172.60	2,282.52	2,242.69	57.31	CC
Wigeon 23 Fed Com #2 - OH - Cone	1,300.00	1,272.58	2,284.24	2,241.02	52.85	ES
Wigeon 23 Fed Com #2 - OH - Cone	5,600.00	5,436.43	3,325.02	3,139.25	17.90	SF

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 23-26-35 Federal Com						
Bonnie 35 Fed Com 004H - OH - Svy	22,565.01	6,929.00	2,897.04	2,755.85	20.52	CC, ES
Bonnie 35 Fed Com 004H - OH - Svy	22,700.00	6,929.00	2,900.19	2,758.47	20.46	SF
OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A	1,200.00	1,191.60	1,695.44	1,687.04	201.98	CC, ES
OLD - Wigeon 23-35 Federal Com 10H - OH - Prelim A	7,300.00	7,065.02	3,193.74	3,141.68	61.34	SF
OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A	1,200.00	1,192.60	1,763.89	1,755.49	210.05	CC, ES
OLD - Wigeon 23-35 Federal Com 8H - OH - Prelim A	5,300.00	4,481.54	3,328.69	3,294.39	97.04	SF
Pintail 23-26 Fed Com 10H - OH - Svy	526.33	526.64	123.71	120.41	37.50	CC
Pintail 23-26 Fed Com 10H - OH - Svy	1,034.66	1,035.00	124.19	117.27	17.94	ES
Pintail 23-26 Fed Com 10H - OH - Svy	17,400.00	18,381.00	2,573.50	2,364.60	12.32	SF
Wigeon 23 Fed Com #1 - Wellbore #1 - Cone	10,696.32	7,292.07	3,335.00	3,076.39	12.90	CC
Wigeon 23 Fed Com #1 - Wellbore #1 - Cone	10,700.00	7,292.10	3,335.00	3,076.37	12.89	ES, SF
Wigeon 23 Fed Com 004H - OH - Svy	559.55	541.04	2,626.38	2,622.89	752.73	CC
Wigeon 23 Fed Com 004H - OH - Svy	600.00	573.00	2,626.51	2,622.76	701.66	ES
Wigeon 23 Fed Com 004H - OH - Svy	4,100.00	4,050.63	3,313.94	3,285.18	115.26	SF
Wigeon 23-26 Federal Com 3H - OH - Svy	1,386.78	1,482.50	1,713.02	1,703.33	176.79	CC
Wigeon 23-26 Federal Com 3H - OH - Svy	1,400.00	1,498.84	1,713.04	1,703.25	174.94	ES
Wigeon 23-26 Federal Com 3H - OH - Svy	17,600.00	17,315.00	2,680.91	2,516.62	16.32	SF
Wigeon 23-26 Federal Com 5H - OH - Svy	1,052.74	1,040.40	1,728.73	1,721.74	247.47	CC
Wigeon 23-26 Federal Com 5H - OH - Svy	1,100.00	1,069.03	1,728.98	1,721.73	238.39	ES
Wigeon 23-26 Federal Com 5H - OH - Svy	5,800.00	5,735.46	3,328.43	3,287.00	80.35	SF
Wigeon 23-35 Federal Com 6H - OH - Svy	522.82	510.45	1,745.28	1,742.07	542.90	CC
Wigeon 23-35 Federal Com 6H - OH - Svy	600.00	575.09	1,745.58	1,741.86	470.04	ES
Wigeon 23-35 Federal Com 6H - OH - Svy	5,200.00	4,624.45	3,213.64	3,178.89	92.47	SF
Wigeon 23-35 Federal Com 7H - OH - Svy	1,664.27	1,917.45	1,693.46	1,681.33	139.59	CC
Wigeon 23-35 Federal Com 7H - OH - Svy	1,700.00	1,952.86	1,693.69	1,681.31	136.78	ES
Wigeon 23-35 Federal Com 7H - OH - Svy	22,815.35	23,196.00	2,738.50	2,493.19	11.16	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

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	17.66	-0.94	0.00	0.11	-127.86	-898.37	-1,155.87	1,463.93				
100.00	100.00	113.12	94.52	0.28	0.71	-127.85	-898.40	-1,156.13	1,464.17	1,463.19	0.98	1,492.827	
200.00	200.00	212.05	193.45	0.63	1.44	-127.83	-898.30	-1,156.73	1,464.59	1,462.52	2.06	710.577	
300.00	300.00	312.62	294.01	0.99	1.93	-127.81	-898.04	-1,157.47	1,465.01	1,462.12	2.89	507.014	
400.00	400.00	413.64	395.03	1.35	2.34	-127.77	-897.54	-1,158.35	1,465.40	1,461.77	3.63	404.078	
500.00	500.00	518.11	499.49	1.71	2.72	-127.73	-896.79	-1,159.23	1,465.62	1,461.31	4.32	339.641	
600.00	600.00	626.99	608.36	2.07	3.08	-127.66	-895.27	-1,159.96	1,465.29	1,460.32	4.97	295.033	
700.00	700.00	725.90	707.25	2.43	3.40	-127.58	-893.33	-1,160.71	1,464.69	1,459.13	5.57	263.168	
800.00	800.00	819.62	800.94	2.79	3.70	-127.50	-891.49	-1,161.84	1,464.46	1,458.31	6.14	238.387	
900.00	900.00	920.63	901.94	3.14	4.01	-127.43	-890.06	-1,162.83	1,464.37	1,457.64	6.73	217.693	
1,000.00	1,000.00	1,035.97	1,017.27	3.50	4.36	-127.38	-888.84	-1,163.22	1,464.04	1,456.72	7.32	199.999	
1,100.00	1,100.00	1,200.69	1,181.88	3.86	4.73	-127.43	-886.50	-1,158.12	1,460.76	1,452.69	8.06	181.168	
1,200.00	1,200.00	1,304.64	1,285.62	4.22	4.85	-127.54	-884.98	-1,151.76	1,455.02	1,446.40	8.62	168.814	
1,300.00	1,299.98	1,404.99	1,385.75	4.57	4.97	-50.61	-883.70	-1,145.28	1,448.01	1,438.83	9.18	157.745	
1,400.00	1,399.84	1,508.56	1,489.07	4.92	5.12	-51.07	-882.66	-1,138.14	1,438.65	1,428.88	9.76	147.376	
1,500.00	1,499.45	1,612.37	1,592.58	5.27	5.28	-51.70	-881.77	-1,130.41	1,426.81	1,416.47	10.34	137.951	
1,600.00	1,598.70	1,700.00	1,679.95	5.62	5.44	-52.42	-881.21	-1,123.58	1,412.84	1,401.93	10.91	129.477	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	Rule Assigned: Warning
1,700.00	1,697.47	1,785.73	1,765.46	5.98	5.60	-53.25	-881.04	-1,117.45	1,397.71	1,386.23	11.47	121.816	
1,800.00	1,795.62	1,865.42	1,845.01	6.33	5.75	-54.15	-881.35	-1,112.82	1,382.06	1,370.04	12.01	115.029	
1,900.00	1,893.06	1,950.64	1,930.12	6.70	5.90	-55.22	-882.12	-1,108.73	1,365.75	1,353.19	12.56	108.747	
2,000.00	1,989.72	2,040.60	2,020.01	7.06	6.07	-56.34	-883.02	-1,104.96	1,348.54	1,335.44	13.10	102.906	
2,100.00	2,086.22	2,132.60	2,111.93	7.43	6.25	-57.35	-884.02	-1,101.44	1,331.75	1,318.10	13.65	97.586	
2,200.00	2,182.72	2,226.11	2,205.38	7.80	6.43	-58.39	-885.01	-1,098.13	1,315.61	1,301.42	14.19	92.725	
2,300.00	2,279.23	2,320.19	2,299.40	8.18	6.63	-59.45	-885.89	-1,095.06	1,300.05	1,285.32	14.73	88.272	
2,400.00	2,375.73	2,412.81	2,391.98	8.56	6.82	-60.50	-886.74	-1,092.26	1,285.13	1,269.87	15.26	84.220	
2,500.00	2,472.23	2,500.00	2,479.14	8.94	7.00	-61.50	-887.56	-1,090.16	1,271.12	1,255.35	15.77	80.614	
2,600.00	2,568.74	2,588.40	2,567.51	9.32	7.15	-62.53	-888.76	-1,088.46	1,258.21	1,241.96	16.24	77.452	
2,700.00	2,665.24	2,686.59	2,665.68	9.70	7.32	-63.69	-890.30	-1,086.80	1,246.10	1,229.38	16.72	74.535	
2,800.00	2,761.74	2,781.13	2,760.20	10.09	7.53	-64.80	-891.34	-1,085.55	1,234.39	1,217.16	17.24	71.620	
2,900.00	2,858.25	2,850.78	2,829.85	10.47	7.68	-65.62	-892.17	-1,084.94	1,223.75	1,206.05	17.70	69.135	
3,000.00	2,954.75	2,869.00	2,848.04	10.86	7.69	-65.85	-893.07	-1,084.90	1,218.03	1,199.99	18.03	67.537	
3,024.77	2,978.65	2,869.00	2,848.04	10.96	7.69	-65.85	-893.07	-1,084.90	1,217.78	1,199.67	18.10	67.269	CC, ES
3,100.00	3,051.25	2,901.00	2,879.53	11.25	7.70	-66.36	-898.42	-1,084.70	1,219.46	1,200.96	18.50	65.913	
3,200.00	3,147.75	2,901.00	2,879.53	11.64	7.70	-66.36	-898.42	-1,084.70	1,227.24	1,208.55	18.69	65.664	SF
3,300.00	3,244.26	2,901.00	2,879.53	12.03	7.70	-66.36	-898.42	-1,084.70	1,243.05	1,224.26	18.79	66.164	
3,400.00	3,340.76	2,933.00	2,909.26	12.42	7.71	-67.04	-910.09	-1,084.11	1,265.11	1,245.97	19.14	66.106	
3,500.00	3,437.26	2,933.00	2,909.26	12.82	7.71	-67.04	-910.09	-1,084.11	1,293.82	1,274.71	19.11	67.698	
3,600.00	3,533.77	2,933.00	2,909.26	13.21	7.71	-67.04	-910.09	-1,084.11	1,329.45	1,310.43	19.02	69.895	
3,700.00	3,630.27	2,965.00	2,935.95	13.60	7.75	-67.83	-927.63	-1,083.33	1,370.72	1,351.40	19.32	70.960	
3,800.00	3,726.77	2,965.00	2,935.95	14.00	7.75	-67.83	-927.63	-1,083.33	1,416.84	1,397.68	19.16	73.932	
3,900.00	3,823.28	2,965.00	2,935.95	14.39	7.75	-67.83	-927.63	-1,083.33	1,468.33	1,449.35	18.98	77.351	
4,000.00	3,919.78	2,965.00	2,935.95	14.79	7.75	-67.83	-927.63	-1,083.33	1,524.65	1,505.87	18.78	81.167	
4,100.00	4,016.28	2,996.00	2,958.01	15.18	7.86	-68.68	-949.33	-1,082.33	1,584.97	1,565.97	19.01	83.388	
4,200.00	4,112.78	2,996.00	2,958.01	15.58	7.86	-68.68	-949.33	-1,082.33	1,648.26	1,629.45	18.81	87.620	
4,300.00	4,209.29	2,996.00	2,958.01	15.97	7.86	-68.68	-949.33	-1,082.33	1,715.04	1,696.42	18.62	92.115	
4,400.00	4,305.79	2,996.00	2,958.01	16.37	7.86	-68.68	-949.33	-1,082.33	1,784.93	1,766.49	18.43	96.831	
4,500.00	4,402.29	2,996.00	2,958.01	16.77	7.86	-68.68	-949.33	-1,082.33	1,857.57	1,839.31	18.26	101.731	
4,600.00	4,498.80	2,996.00	2,958.01	17.17	7.86	-68.68	-949.33	-1,082.33	1,932.66	1,914.56	18.10	106.780	
4,700.00	4,595.30	3,011.86	2,967.67	17.56	7.92	-69.12	-961.89	-1,081.83	2,009.11	1,990.92	18.20	110.418	
4,800.00	4,691.80	3,027.00	2,975.77	17.96	7.98	-69.53	-974.67	-1,081.62	2,088.30	2,070.00	18.30	114.109	
4,900.00	4,788.31	3,027.00	2,975.77	18.36	7.98	-69.53	-974.67	-1,081.62	2,168.53	2,150.34	18.19	119.224	
5,000.00	4,884.81	3,027.00	2,975.77	18.76	7.98	-69.53	-974.67	-1,081.62	2,250.34	2,232.25	18.09	124.385	
5,100.00	4,981.31	3,027.00	2,975.77	19.16	7.98	-69.53	-974.67	-1,081.62	2,333.57	2,315.56	18.01	129.569	
5,200.00	5,077.81	3,027.00	2,975.77	19.55	7.98	-69.53	-974.67	-1,081.62	2,418.07	2,400.13	17.94	134.757	
5,300.00	5,174.32	3,027.00	2,975.77	19.95	7.98	-69.53	-974.67	-1,081.62	2,503.71	2,485.82	17.89	139.932	
5,400.00	5,270.82	3,027.00	2,975.77	20.35	7.98	-69.53	-974.67	-1,081.62	2,590.38	2,572.53	17.86	145.078	
5,500.00	5,367.32	3,027.00	2,975.77	20.75	7.98	-69.53	-974.67	-1,081.62	2,677.98	2,660.15	17.83	150.181	
5,600.00	5,463.83	3,027.00	2,975.77	21.15	7.98	-69.53	-974.67	-1,081.62	2,766.43	2,748.60	17.82	155.229	
5,700.00	5,560.33	3,027.00	2,975.77	21.55	7.98	-69.53	-974.67	-1,081.62	2,855.63	2,837.81	17.82	160.212	
5,800.00	5,656.83	3,060.00	2,989.78	21.95	8.07	-70.41	-1,004.51	-1,081.43	2,945.32	2,927.02	18.30	160.966	
5,900.00	5,753.34	3,060.00	2,989.78	22.35	8.07	-70.41	-1,004.51	-1,081.43	3,035.47	3,017.15	18.32	165.679	
6,000.00	5,849.84	3,060.00	2,989.78	22.75	8.07	-70.41	-1,004.51	-1,081.43	3,126.21	3,107.86	18.36	170.310	
6,100.00	5,946.34	3,060.00	2,989.78	23.15	8.07	-70.41	-1,004.51	-1,081.43	3,217.51	3,199.11	18.40	174.855	
6,200.00	6,042.85	3,060.00	2,989.78	23.55	8.07	-70.41	-1,004.51	-1,081.43	3,309.31	3,290.86	18.46	179.307	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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

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	0.10	0.00	0.00	0.00	89.34	0.23	20.00	20.00				
100.00	100.00	100.10	100.00	0.28	0.28	89.34	0.23	20.00	20.00	19.45	0.55	36.208	
200.00	200.00	200.10	200.00	0.63	0.63	89.34	0.23	20.00	20.00	18.73	1.27	15.757	
300.00	300.00	300.10	300.00	0.99	0.99	89.34	0.23	20.00	20.00	18.02	1.99	10.070	
400.00	400.00	400.10	400.00	1.35	1.35	89.34	0.23	20.00	20.00	17.30	2.70	7.399	
500.00	500.00	500.10	500.00	1.71	1.71	89.34	0.23	20.00	20.00	16.58	3.42	5.848	
600.00	600.00	600.10	600.00	2.07	2.07	89.34	0.23	20.00	20.00	15.86	4.14	4.835	
700.00	700.00	700.10	700.00	2.43	2.43	89.34	0.23	20.00	20.00	15.15	4.85	4.121	
800.00	800.00	800.10	800.00	2.79	2.79	89.34	0.23	20.00	20.00	14.43	5.57	3.590	
900.00	900.00	900.10	900.00	3.14	3.14	89.34	0.23	20.00	20.00	13.71	6.29	3.181	
1,000.00	1,000.00	1,000.10	1,000.00	3.50	3.50	89.34	0.23	20.00	20.00	13.00	7.00	2.855	
1,100.00	1,100.00	1,100.10	1,100.00	3.86	3.86	89.34	0.23	20.00	20.00	12.28	7.72	2.590	
1,200.00	1,200.00	1,200.10	1,200.00	4.22	4.22	89.34	0.23	20.00	20.00	11.56	8.44	2.370	CC, ES
1,300.00	1,299.98	1,300.08	1,299.98	4.57	4.58	167.61	0.23	20.00	21.70	12.55	9.15	2.372	
1,400.00	1,399.84	1,399.94	1,399.84	4.92	4.94	169.99	0.23	20.00	26.84	16.98	9.85	2.724	
1,500.00	1,499.45	1,500.75	1,500.63	5.27	5.29	172.05	0.62	18.27	33.72	23.17	10.55	3.196	
1,600.00	1,598.70	1,601.81	1,601.54	5.62	5.64	173.42	1.79	13.07	40.59	29.36	11.23	3.613	
1,700.00	1,697.47	1,703.12	1,702.45	5.98	6.00	174.39	3.75	4.37	47.44	35.53	11.91	3.984	
1,800.00	1,795.62	1,804.68	1,803.24	6.33	6.35	175.12	6.51	-7.84	54.25	41.68	12.58	4.314	
1,900.00	1,893.06	1,906.49	1,903.76	6.70	6.71	175.68	10.05	-23.56	61.01	47.78	13.24	4.609	
2,000.00	1,989.72	2,008.57	2,003.90	7.06	7.08	176.12	14.39	-42.82	67.43	53.54	13.89	4.855	
2,100.00	2,086.22	2,110.98	2,103.61	7.43	7.45	176.35	19.54	-65.62	70.91	56.38	14.54	4.878	
2,200.00	2,182.72	2,211.69	2,201.01	7.80	7.81	176.43	25.16	-90.57	71.75	56.51	15.24	4.708	
2,300.00	2,279.23	2,311.68	2,297.69	8.18	8.18	176.49	30.78	-115.48	72.46	56.48	15.98	4.536	
2,400.00	2,375.73	2,411.68	2,394.38	8.56	8.55	176.56	36.39	-140.38	73.16	56.44	16.72	4.376	
2,500.00	2,472.23	2,511.68	2,491.06	8.94	8.92	176.62	42.01	-165.29	73.86	56.40	17.46	4.229	
2,600.00	2,568.74	2,611.68	2,587.74	9.32	9.30	176.69	47.62	-190.19	74.56	56.35	18.22	4.093	
2,700.00	2,665.24	2,711.67	2,684.43	9.70	9.67	176.75	53.24	-215.10	75.27	56.30	18.97	3.967	
2,800.00	2,761.74	2,811.67	2,781.11	10.09	10.05	176.81	58.85	-240.00	75.97	56.24	19.73	3.850	
2,900.00	2,858.25	2,911.67	2,877.79	10.47	10.43	176.87	64.47	-264.91	76.67	56.18	20.50	3.741	
3,000.00	2,954.75	3,011.67	2,974.48	10.86	10.82	176.93	70.08	-289.81	77.38	56.11	21.26	3.639	
3,100.00	3,051.25	3,111.66	3,071.16	11.25	11.20	176.98	75.70	-314.72	78.08	56.05	22.03	3.544	
3,200.00	3,147.75	3,211.66	3,167.84	11.64	11.58	177.04	81.32	-339.63	78.78	55.98	22.80	3.455	
3,300.00	3,244.26	3,311.66	3,264.53	12.03	11.97	177.10	86.93	-364.53	79.49	55.91	23.58	3.371	
3,400.00	3,340.76	3,411.66	3,361.21	12.42	12.36	177.15	92.55	-389.44	80.19	55.84	24.35	3.293	
3,500.00	3,437.26	3,511.65	3,457.89	12.82	12.74	177.20	98.16	-414.34	80.90	55.76	25.13	3.219	
3,600.00	3,533.77	3,611.65	3,554.58	13.21	13.13	177.26	103.78	-439.25	81.60	55.69	25.91	3.149	
3,700.00	3,630.27	3,711.65	3,651.26	13.60	13.52	177.31	109.39	-464.15	82.30	55.61	26.69	3.083	
3,800.00	3,726.77	3,811.65	3,747.94	14.00	13.91	177.36	115.01	-489.06	83.01	55.53	27.48	3.021	
3,900.00	3,823.28	3,911.64	3,844.63	14.39	14.30	177.41	120.62	-513.96	83.71	55.45	28.26	2.962	
4,000.00	3,919.78	4,011.64	3,941.31	14.79	14.69	177.46	126.24	-538.87	84.41	55.37	29.04	2.906	
4,100.00	4,016.28	4,111.64	4,037.99	15.18	15.08	177.51	131.85	-563.78	85.12	55.29	29.83	2.853	
4,200.00	4,112.78	4,211.64	4,134.68	15.58	15.47	177.56	137.47	-588.68	85.82	55.20	30.62	2.803	
4,300.00	4,209.29	4,311.63	4,231.36	15.97	15.87	177.60	143.09	-613.59	86.53	55.12	31.41	2.755	
4,400.00	4,305.79	4,411.63	4,328.04	16.37	16.26	177.65	148.70	-638.49	87.23	55.04	32.20	2.709	
4,500.00	4,402.29	4,511.63	4,424.73	16.77	16.65	177.69	154.32	-663.40	87.94	54.95	32.98	2.666	
4,600.00	4,498.80	4,611.63	4,521.41	17.17	17.05	177.74	159.93	-688.30	88.64	54.86	33.78	2.624	
4,700.00	4,595.30	4,711.62	4,618.09	17.56	17.44	177.78	165.55	-713.21	89.34	54.78	34.57	2.585	
4,800.00	4,691.80	4,811.62	4,714.78	17.96	17.83	177.83	171.16	-738.11	90.05	54.69	35.36	2.547	
4,900.00	4,788.31	4,911.62	4,811.46	18.36	18.23	177.87	176.78	-763.02	90.75	54.60	36.15	2.510	
5,000.00	4,884.81	5,011.62	4,908.15	18.76	18.62	177.91	182.39	-787.92	91.46	54.51	36.94	2.476	
5,100.00	4,981.31	5,111.61	5,004.83	19.16	19.02	177.95	188.01	-812.83	92.16	54.43	37.74	2.442	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,211.61	5,101.51	19.55	19.41	177.99	193.63	-837.74	92.87	54.34	38.53	2.410	
5,300.00	5,174.32	5,311.61	5,198.20	19.95	19.81	178.03	199.24	-862.64	93.57	54.25	39.33	2.379	
5,400.00	5,270.82	5,411.61	5,294.88	20.35	20.20	178.07	204.86	-887.55	94.28	54.16	40.12	2.350	
5,500.00	5,367.32	5,511.60	5,391.56	20.75	20.60	178.11	210.47	-912.45	94.98	54.07	40.92	2.321	
5,600.00	5,463.83	5,611.60	5,488.25	21.15	21.00	178.15	216.09	-937.36	95.69	53.97	41.71	2.294	
5,700.00	5,560.33	5,711.60	5,584.93	21.55	21.39	178.19	221.70	-962.26	96.39	53.88	42.51	2.268	
5,800.00	5,656.83	5,811.60	5,681.61	21.95	21.79	178.22	227.32	-987.17	97.10	53.79	43.31	2.242	
5,900.00	5,753.34	5,911.59	5,778.30	22.35	22.19	178.26	232.93	-1,012.07	97.80	53.70	44.10	2.218	
6,000.00	5,849.84	6,011.59	5,874.98	22.75	22.58	178.30	238.55	-1,036.98	98.51	53.61	44.90	2.194	
6,100.00	5,946.34	6,111.59	5,971.66	23.15	22.98	178.33	244.16	-1,061.89	99.21	53.52	45.70	2.171	
6,200.00	6,042.85	6,211.59	6,068.35	23.55	23.38	178.37	249.78	-1,086.79	99.92	53.42	46.49	2.149	
6,300.00	6,139.35	6,311.58	6,165.03	23.95	23.77	178.40	255.40	-1,111.70	100.62	53.33	47.29	2.128	
6,400.00	6,235.85	6,411.58	6,261.71	24.35	24.17	178.44	261.01	-1,136.60	101.33	53.24	48.09	2.107	
6,500.00	6,332.35	6,511.58	6,358.40	24.75	24.57	178.47	266.63	-1,161.51	102.03	53.14	48.89	2.087	
6,600.00	6,428.86	6,611.58	6,455.08	25.15	24.97	178.50	272.24	-1,186.41	102.74	53.05	49.69	2.068	
6,700.00	6,525.36	6,711.57	6,551.76	25.55	25.36	178.54	277.86	-1,211.32	103.44	52.96	50.49	2.049	
6,800.00	6,621.86	6,811.57	6,648.45	25.95	25.76	178.57	283.47	-1,236.22	104.15	52.86	51.29	2.031	
6,900.00	6,718.31	6,911.30	6,744.87	26.35	26.16	-155.41	289.07	-1,261.06	104.36	52.32	52.04	2.005	
6,909.67	6,727.59	6,920.87	6,754.12	26.39	26.20	-153.16	289.61	-1,263.44	104.36	52.25	52.11	2.003	
7,000.00	6,812.98	7,008.60	6,838.94	26.72	26.55	-142.69	294.54	-1,285.29	106.17	53.50	52.67	2.016	
7,100.00	6,903.02	7,100.49	6,927.79	27.06	26.91	-146.33	299.70	-1,308.18	119.29	65.99	53.29	2.238	
7,200.00	6,985.68	7,184.20	7,008.73	27.35	27.25	-153.70	304.40	-1,329.03	152.92	98.92	54.00	2.832	
7,300.00	7,058.46	7,266.11	7,087.94	27.60	27.57	-159.98	308.28	-1,349.50	207.32	152.70	54.62	3.795	
7,400.00	7,119.14	7,379.75	7,196.98	27.80	28.01	-166.93	297.79	-1,379.00	270.25	216.06	54.19	4.987	
7,500.00	7,165.89	7,527.46	7,331.22	27.97	28.51	-172.47	251.46	-1,418.14	332.58	281.46	51.11	6.507	
7,600.00	7,197.27	7,735.94	7,490.52	28.12	29.05	-177.01	129.42	-1,470.22	386.26	343.38	42.88	9.007	
7,700.00	7,212.34	8,032.07	7,620.67	28.27	29.55	-179.73	-126.93	-1,525.95	417.65	387.42	30.23	13.814	
7,800.00	7,214.21	8,220.73	7,633.90	28.43	29.83	-179.98	-313.64	-1,545.14	419.69	390.41	29.28	14.335	
7,900.00	7,215.05	8,320.72	7,633.90	28.59	29.99	-179.98	-413.28	-1,553.52	418.85	388.79	30.06	13.933	
8,000.00	7,215.88	8,420.72	7,633.90	28.77	30.16	-179.98	-512.98	-1,561.21	418.02	387.11	30.90	13.526	
8,100.00	7,216.72	8,520.71	7,633.90	28.96	30.34	-179.99	-612.87	-1,565.65	417.18	385.38	31.80	13.119	
8,200.00	7,217.56	8,620.71	7,633.90	29.16	30.53	180.00	-712.85	-1,566.63	416.34	383.59	32.75	12.714	
8,300.00	7,218.40	8,720.70	7,633.90	29.36	30.73	180.00	-812.85	-1,566.30	415.50	381.76	33.74	12.314	
8,400.00	7,219.24	8,820.70	7,633.90	29.58	30.93	180.00	-912.84	-1,565.97	414.66	379.88	34.78	11.922	
8,500.00	7,220.07	8,920.69	7,633.90	29.81	31.16	180.00	-1,012.84	-1,565.64	413.83	377.97	35.86	11.540	
8,600.00	7,220.91	9,020.69	7,633.90	30.06	31.39	180.00	-1,112.84	-1,565.31	412.99	376.02	36.97	11.170	
8,700.00	7,221.75	9,120.69	7,633.90	30.32	31.64	180.00	-1,212.83	-1,564.98	412.15	374.03	38.12	10.813	
8,800.00	7,222.59	9,220.68	7,633.90	30.60	31.91	180.00	-1,312.83	-1,564.64	411.31	372.02	39.29	10.469	
8,900.00	7,223.42	9,320.68	7,633.90	30.89	32.18	180.00	-1,412.82	-1,564.31	410.48	369.98	40.49	10.137	
9,000.00	7,224.26	9,420.68	7,633.90	31.19	32.48	180.00	-1,512.82	-1,563.98	409.64	367.92	41.72	9.820	
9,100.00	7,225.10	9,520.67	7,633.90	31.51	32.78	180.00	-1,612.82	-1,563.65	408.80	365.84	42.96	9.515	
9,200.00	7,225.94	9,620.67	7,633.90	31.84	33.10	180.00	-1,712.81	-1,563.32	407.96	363.73	44.23	9.223	
9,300.00	7,226.78	9,720.67	7,633.90	32.19	33.43	180.00	-1,812.81	-1,562.99	407.12	361.61	45.52	8.944	
9,400.00	7,227.61	9,820.66	7,633.90	32.55	33.77	180.00	-1,912.80	-1,562.66	406.29	359.46	46.82	8.677	
9,500.00	7,228.45	9,920.66	7,633.90	32.92	34.13	180.00	-2,012.80	-1,562.32	405.45	357.31	48.14	8.422	
9,600.00	7,229.29	10,020.66	7,633.90	33.30	34.50	180.00	-2,112.80	-1,561.99	404.61	355.13	49.48	8.178	
9,700.00	7,230.13	10,120.65	7,633.90	33.70	34.88	180.00	-2,212.79	-1,561.66	403.77	352.95	50.83	7.944	
9,800.00	7,230.96	10,220.65	7,633.90	34.11	35.27	180.00	-2,312.79	-1,561.33	402.94	350.75	52.19	7.721	
9,900.00	7,231.80	10,320.65	7,633.90	34.52	35.67	180.00	-2,412.78	-1,561.00	402.10	348.54	53.56	7.508	
10,000.00	7,232.64	10,420.64	7,633.90	34.96	36.09	180.00	-2,512.78	-1,560.67	401.26	346.32	54.94	7.304	
10,100.00	7,233.48	10,520.64	7,633.90	35.40	36.52	180.00	-2,612.77	-1,560.33	400.42	344.09	56.33	7.108	
10,200.00	7,234.32	10,620.64	7,633.90	35.85	36.95	180.00	-2,712.77	-1,560.00	399.58	341.85	57.73	6.921	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	7,235.15	10,720.63	7,633.90	36.31	37.40	180.00	-2,812.77	-1,559.67	398.75	339.60	59.14	6.742	
10,400.00	7,235.99	10,820.63	7,633.90	36.78	37.85	180.00	-2,912.76	-1,559.34	397.91	337.35	60.56	6.570	
10,500.00	7,236.83	10,920.62	7,633.90	37.27	38.32	180.00	-3,012.76	-1,559.01	397.07	335.09	61.99	6.406	
10,600.00	7,237.67	11,020.62	7,633.90	37.76	38.79	180.00	-3,112.75	-1,558.68	396.23	332.82	63.42	6.248	
10,700.00	7,238.50	11,120.62	7,633.90	38.26	39.28	180.00	-3,212.75	-1,558.34	395.40	330.54	64.85	6.097	
10,800.00	7,239.34	11,220.61	7,633.90	38.76	39.77	180.00	-3,312.75	-1,558.01	394.56	328.26	66.30	5.951	
10,900.00	7,240.18	11,320.61	7,633.90	39.28	40.27	180.00	-3,412.74	-1,557.68	393.72	325.97	67.75	5.811	
11,000.00	7,241.02	11,420.61	7,633.90	39.80	40.78	180.00	-3,512.74	-1,557.35	392.88	323.68	69.20	5.677	
11,100.00	7,241.86	11,520.60	7,633.90	40.34	41.30	180.00	-3,612.73	-1,557.02	392.05	321.38	70.66	5.548	
11,200.00	7,242.69	11,620.60	7,633.90	40.87	41.82	180.00	-3,712.73	-1,556.69	391.21	319.08	72.13	5.424	
11,300.00	7,243.53	11,720.60	7,633.90	41.42	42.35	180.00	-3,812.73	-1,556.35	390.37	316.77	73.60	5.304	
11,400.00	7,244.37	11,820.59	7,633.90	41.97	42.89	180.00	-3,912.72	-1,556.02	389.53	314.46	75.07	5.189	
11,500.00	7,245.21	11,920.59	7,633.90	42.53	43.44	180.00	-4,012.72	-1,555.69	388.69	312.15	76.55	5.078	
11,600.00	7,246.04	12,020.59	7,633.90	43.10	43.99	180.00	-4,112.71	-1,555.36	387.86	309.83	78.03	4.971	
11,700.00	7,246.88	12,120.58	7,633.90	43.67	44.54	180.00	-4,212.71	-1,555.03	387.02	307.51	79.51	4.868	
11,800.00	7,247.72	12,220.58	7,633.90	44.25	45.11	180.00	-4,312.71	-1,554.70	386.18	305.18	81.00	4.768	
11,900.00	7,248.56	12,320.58	7,633.90	44.83	45.68	180.00	-4,412.70	-1,554.37	385.34	302.86	82.49	4.672	
12,000.00	7,249.39	12,420.57	7,633.90	45.42	46.25	180.00	-4,512.70	-1,554.03	384.51	300.53	83.98	4.579	
12,100.00	7,250.23	12,520.57	7,633.90	46.01	46.83	180.00	-4,612.69	-1,553.70	383.67	298.19	85.47	4.489	
12,200.00	7,251.07	12,620.56	7,633.90	46.61	47.42	180.00	-4,712.69	-1,553.37	382.83	295.86	86.97	4.402	
12,300.00	7,251.91	12,720.56	7,633.90	47.21	48.01	180.00	-4,812.69	-1,553.04	381.99	293.52	88.47	4.318	
12,400.00	7,252.75	12,820.56	7,633.90	47.82	48.60	180.00	-4,912.68	-1,552.98	381.15	291.18	89.98	4.236	
12,500.00	7,253.58	12,920.55	7,633.90	48.43	49.20	180.00	-5,012.67	-1,553.91	380.32	288.83	91.48	4.157	
12,600.00	7,254.42	13,020.55	7,633.90	49.05	49.81	180.00	-5,112.67	-1,554.84	379.48	286.49	92.99	4.081	
12,700.00	7,255.26	13,120.55	7,633.90	49.67	50.42	180.00	-5,212.66	-1,555.77	378.64	284.14	94.50	4.007	
12,800.00	7,256.10	13,220.54	7,633.90	50.30	51.03	180.00	-5,312.65	-1,556.70	377.80	281.79	96.01	3.935	
12,900.00	7,256.93	13,320.54	7,633.90	50.93	51.65	180.00	-5,412.64	-1,557.62	376.97	279.44	97.52	3.865	
13,000.00	7,257.77	13,420.54	7,633.90	51.56	52.27	180.00	-5,512.63	-1,558.55	376.13	277.09	99.04	3.798	
13,100.00	7,258.61	13,520.53	7,633.90	52.19	52.90	180.00	-5,612.63	-1,559.48	375.29	274.74	100.55	3.732	
13,200.00	7,259.45	13,620.53	7,633.90	52.83	53.53	180.00	-5,712.62	-1,560.41	374.45	272.38	102.07	3.668	
13,300.00	7,260.29	13,720.53	7,633.90	53.48	54.16	180.00	-5,812.61	-1,561.33	373.61	270.02	103.59	3.607	
13,400.00	7,261.12	13,820.52	7,633.90	54.12	54.80	180.00	-5,912.60	-1,562.26	372.78	267.66	105.11	3.546	
13,500.00	7,261.96	13,920.52	7,633.90	54.77	55.44	180.00	-6,012.60	-1,563.19	371.94	265.30	106.64	3.488	
13,600.00	7,262.80	14,020.52	7,633.90	55.42	56.08	180.00	-6,112.59	-1,564.12	371.10	262.94	108.16	3.431	
13,700.00	7,263.64	14,120.51	7,633.90	56.08	56.72	180.00	-6,212.58	-1,565.04	370.26	260.58	109.69	3.376	
13,800.00	7,264.47	14,220.51	7,633.90	56.74	57.37	180.00	-6,312.57	-1,565.97	369.43	258.21	111.21	3.322	
13,900.00	7,265.31	14,320.51	7,633.90	57.40	58.02	180.00	-6,412.56	-1,566.90	368.59	255.85	112.74	3.269	
14,000.00	7,266.15	14,420.50	7,633.90	58.06	58.68	180.00	-6,512.56	-1,567.83	367.75	253.48	114.27	3.218	
14,100.00	7,266.99	14,520.50	7,633.90	58.73	59.33	180.00	-6,612.55	-1,568.75	366.91	251.12	115.80	3.169	
14,200.00	7,267.82	14,620.49	7,633.90	59.39	59.99	180.00	-6,712.54	-1,569.68	366.08	248.75	117.33	3.120	
14,300.00	7,268.66	14,720.49	7,633.90	60.06	60.65	180.00	-6,812.53	-1,570.61	365.24	246.38	118.86	3.073	
14,400.00	7,269.50	14,820.49	7,633.90	60.74	61.32	180.00	-6,912.53	-1,571.54	364.40	244.01	120.39	3.027	
14,500.00	7,270.34	14,920.48	7,633.90	61.41	61.98	180.00	-7,012.52	-1,572.46	363.56	241.63	121.93	2.982	
14,600.00	7,271.18	15,020.48	7,633.90	62.09	62.65	180.00	-7,112.51	-1,573.39	362.72	239.26	123.46	2.938	
14,700.00	7,272.01	15,120.48	7,633.90	62.76	63.32	180.00	-7,212.50	-1,574.32	361.89	236.89	125.00	2.895	
14,800.00	7,272.85	15,220.47	7,633.90	63.44	63.99	180.00	-7,312.49	-1,575.25	361.05	234.52	126.53	2.853	
14,900.00	7,273.69	15,320.47	7,633.90	64.13	64.67	180.00	-7,412.49	-1,576.17	360.21	232.14	128.07	2.813	
15,000.00	7,274.53	15,420.47	7,633.90	64.81	65.34	180.00	-7,512.48	-1,577.10	359.37	229.76	129.61	2.773	
15,100.00	7,275.36	15,520.46	7,633.90	65.50	66.02	180.00	-7,612.47	-1,578.10	358.54	227.39	131.15	2.734	
15,200.00	7,276.20	15,620.46	7,633.90	66.18	66.70	180.00	-7,712.46	-1,579.10	357.70	225.01	132.69	2.696	
15,300.00	7,277.04	15,720.46	7,633.90	66.87	67.38	180.00	-7,812.45	-1,580.09	356.86	222.63	134.23	2.659	
15,400.00	7,277.88	15,820.45	7,633.90	67.56	68.07	180.00	-7,912.44	-1,581.09	356.02	220.25	135.77	2.622	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,500.00	7,278.72	15,920.45	7,633.90	68.26	68.75	180.00	-8,012.44	-1,582.09	355.18	217.87	137.31	2.587	
15,600.00	7,279.55	16,020.45	7,633.90	68.95	69.44	180.00	-8,112.43	-1,583.09	354.35	215.49	138.85	2.552	
15,700.00	7,280.39	16,120.44	7,633.90	69.65	70.13	180.00	-8,212.42	-1,584.09	353.51	213.11	140.39	2.518	
15,800.00	7,281.23	16,220.44	7,633.90	70.34	70.82	180.00	-8,312.41	-1,585.09	352.67	210.73	141.94	2.485	
15,900.00	7,282.07	16,320.44	7,633.90	71.04	71.51	180.00	-8,412.40	-1,586.09	351.83	208.35	143.48	2.452	
16,000.00	7,282.91	16,420.43	7,633.90	71.74	72.20	180.00	-8,512.39	-1,587.08	350.99	205.97	145.03	2.420	
16,100.00	7,283.74	16,520.43	7,633.90	72.44	72.90	180.00	-8,612.38	-1,588.08	350.16	203.59	146.57	2.389	
16,200.00	7,284.58	16,620.42	7,633.90	73.14	73.60	180.00	-8,712.38	-1,589.08	349.32	201.20	148.12	2.358	
16,300.00	7,285.42	16,720.42	7,633.90	73.85	74.29	180.00	-8,812.37	-1,590.08	348.48	198.82	149.66	2.328	
16,400.00	7,286.26	16,820.42	7,633.90	74.55	74.99	180.00	-8,912.36	-1,591.08	347.64	196.43	151.21	2.299	
16,500.00	7,287.10	16,920.41	7,633.90	75.26	75.69	180.00	-9,012.35	-1,592.08	346.80	194.05	152.76	2.270	
16,600.00	7,287.93	17,020.41	7,633.90	75.96	76.39	180.00	-9,112.34	-1,593.08	345.97	191.66	154.30	2.242	
16,700.00	7,288.77	17,120.41	7,633.90	76.67	77.09	180.00	-9,212.33	-1,594.08	345.13	189.28	155.85	2.214	
16,800.00	7,289.61	17,220.40	7,633.90	77.38	77.80	180.00	-9,312.33	-1,595.07	344.29	186.89	157.40	2.187	
16,900.00	7,290.45	17,320.40	7,633.90	78.09	78.50	180.00	-9,412.32	-1,596.07	343.45	184.50	158.95	2.161	
17,000.00	7,291.29	17,420.40	7,633.90	78.80	79.21	180.00	-9,512.31	-1,597.07	342.61	182.12	160.50	2.135	
17,100.00	7,292.12	17,520.39	7,633.90	79.51	79.91	180.00	-9,612.30	-1,598.07	341.78	179.73	162.05	2.109	
17,200.00	7,292.96	17,620.39	7,633.90	80.23	80.62	180.00	-9,712.29	-1,599.07	340.94	177.34	163.60	2.084	
17,300.00	7,293.80	17,720.39	7,633.90	80.94	81.33	180.00	-9,812.28	-1,600.07	340.10	174.95	165.15	2.059	
17,400.00	7,294.64	17,820.38	7,633.90	81.66	82.04	180.00	-9,912.27	-1,601.07	339.26	172.57	166.70	2.035	
17,500.00	7,295.48	17,920.38	7,633.90	82.37	82.75	180.00	-10,012.27	-1,602.06	338.42	170.18	168.25	2.011	
17,600.00	7,296.31	18,020.38	7,633.90	83.09	83.46	180.00	-10,112.26	-1,603.06	337.59	167.79	169.80	1.988	
17,700.00	7,297.15	18,120.37	7,633.90	83.80	84.17	180.00	-10,212.25	-1,604.21	336.75	165.40	171.35	1.965	
17,800.00	7,297.99	18,220.37	7,633.90	84.52	84.89	180.00	-10,312.24	-1,605.45	335.91	163.01	172.90	1.943	
17,900.00	7,298.83	18,320.37	7,633.90	85.24	85.60	180.00	-10,412.22	-1,606.69	335.07	160.62	174.46	1.921	
18,000.00	7,299.66	18,420.36	7,633.90	85.96	86.32	180.00	-10,512.21	-1,607.94	334.24	158.23	176.01	1.899	
18,100.00	7,300.50	18,520.36	7,633.90	86.68	87.03	180.00	-10,612.20	-1,609.18	333.40	155.84	177.56	1.878	
18,200.00	7,301.34	18,620.35	7,633.90	87.40	87.75	180.00	-10,712.19	-1,610.43	332.56	153.45	179.11	1.857	
18,300.00	7,302.18	18,720.35	7,633.90	88.12	88.47	180.00	-10,812.18	-1,611.67	331.72	151.06	180.67	1.836	
18,400.00	7,303.01	18,820.35	7,633.90	88.85	89.19	180.00	-10,912.17	-1,612.92	330.89	148.66	182.22	1.816	
18,500.00	7,303.85	18,920.34	7,633.90	89.57	89.91	180.00	-11,012.16	-1,614.16	330.05	146.27	183.77	1.796	
18,600.00	7,304.69	19,020.34	7,633.90	90.29	90.63	180.00	-11,112.15	-1,615.41	329.21	143.88	185.33	1.776	
18,700.00	7,305.53	19,120.34	7,633.90	91.02	91.35	180.00	-11,212.13	-1,616.65	328.37	141.49	186.88	1.757	
18,800.00	7,306.37	19,220.33	7,633.90	91.74	92.07	180.00	-11,312.12	-1,617.90	327.53	139.10	188.44	1.738	
18,900.00	7,307.20	19,320.33	7,633.90	92.47	92.79	180.00	-11,412.11	-1,619.14	326.70	136.70	189.99	1.720	
19,000.00	7,308.04	19,420.33	7,633.90	93.20	93.51	180.00	-11,512.10	-1,620.39	325.86	134.31	191.55	1.701	
19,100.00	7,308.88	19,520.32	7,633.90	93.92	94.24	180.00	-11,612.09	-1,621.63	325.02	131.92	193.10	1.683	
19,200.00	7,309.72	19,620.32	7,633.90	94.65	94.96	180.00	-11,712.08	-1,622.87	324.18	129.52	194.66	1.665	
19,300.00	7,310.55	19,720.32	7,633.90	95.38	95.68	180.00	-11,812.07	-1,624.12	323.35	127.13	196.22	1.648	
19,400.00	7,311.39	19,820.31	7,633.90	96.11	96.41	180.00	-11,912.06	-1,625.36	322.51	124.74	197.77	1.631	
19,500.00	7,312.23	19,920.31	7,633.90	96.84	97.13	180.00	-12,012.04	-1,626.61	321.67	122.34	199.33	1.614	
19,600.00	7,313.07	20,020.31	7,633.90	97.57	97.86	180.00	-12,112.03	-1,627.85	320.83	119.95	200.88	1.597	
19,700.00	7,313.90	20,120.30	7,633.90	98.30	98.59	180.00	-12,212.02	-1,629.10	320.00	117.56	202.44	1.581	
19,800.00	7,314.74	20,220.30	7,633.90	99.03	99.31	180.00	-12,312.01	-1,630.34	319.16	115.16	204.00	1.565	
19,900.00	7,315.58	20,320.29	7,633.90	99.76	100.04	180.00	-12,412.00	-1,631.59	318.32	112.77	205.55	1.549	
20,000.00	7,316.42	20,420.29	7,633.90	100.49	100.77	180.00	-12,511.99	-1,632.83	317.48	110.37	207.11	1.533	
20,100.00	7,317.25	20,520.29	7,633.90	101.23	101.50	180.00	-12,611.98	-1,634.08	316.65	107.98	208.67	1.517	
20,200.00	7,318.09	20,620.28	7,633.90	101.96	102.23	180.00	-12,711.97	-1,635.32	315.81	105.58	210.23	1.502	
20,300.00	7,318.93	20,720.28	7,633.90	102.69	102.96	180.00	-12,811.95	-1,636.56	314.97	103.18	211.79	1.487	Level 3
20,400.00	7,319.77	20,820.28	7,633.90	103.43	103.69	180.00	-12,911.94	-1,637.81	314.13	100.79	213.34	1.472	Level 3
20,500.00	7,320.61	20,920.27	7,633.90	104.16	104.42	180.00	-13,011.93	-1,639.05	313.29	98.39	214.90	1.458	Level 3
20,600.00	7,321.44	21,020.27	7,633.90	104.89	105.15	180.00	-13,111.92	-1,640.30	312.46	96.00	216.46	1.443	Level 3

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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

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	7,322.28	21,120.27	7,633.90	105.63	105.88	180.00	-13,211.91	-1,641.54	311.62	93.60	218.02	1.429	Level 3
20,800.00	7,323.12	21,220.26	7,633.90	106.37	106.62	180.00	-13,311.90	-1,642.79	310.78	91.21	219.58	1.415	Level 3
20,900.00	7,323.96	21,320.26	7,633.90	107.10	107.35	180.00	-13,411.89	-1,644.03	309.94	88.81	221.14	1.402	Level 3
21,000.00	7,324.79	21,420.26	7,633.90	107.84	108.08	180.00	-13,511.88	-1,645.28	309.11	86.41	222.69	1.388	Level 3
21,100.00	7,325.63	21,520.25	7,633.90	108.57	108.82	180.00	-13,611.86	-1,646.52	308.27	84.02	224.25	1.375	Level 3
21,200.00	7,326.47	21,620.25	7,633.90	109.31	109.55	180.00	-13,711.85	-1,647.77	307.43	81.62	225.81	1.361	Level 3
21,300.00	7,327.31	21,720.25	7,633.90	110.05	110.28	180.00	-13,811.84	-1,649.01	306.59	79.22	227.37	1.348	Level 3
21,400.00	7,328.14	21,820.24	7,633.90	110.79	111.02	180.00	-13,911.83	-1,650.25	305.76	76.82	228.93	1.336	Level 3
21,500.00	7,328.98	21,920.24	7,633.90	111.52	111.75	180.00	-14,011.82	-1,651.50	304.92	74.43	230.49	1.323	Level 3
21,600.00	7,329.82	22,020.24	7,633.90	112.26	112.49	180.00	-14,111.81	-1,652.74	304.08	72.03	232.05	1.310	Level 3
21,700.00	7,330.66	22,120.23	7,633.90	113.00	113.23	180.00	-14,211.80	-1,653.99	303.24	69.63	233.61	1.298	Level 3
21,800.00	7,331.50	22,220.23	7,633.90	113.74	113.96	180.00	-14,311.79	-1,655.23	302.41	67.23	235.17	1.286	Level 3
21,900.00	7,332.33	22,320.22	7,633.90	114.48	114.70	180.00	-14,411.77	-1,656.48	301.57	64.84	236.73	1.274	Level 3
22,000.00	7,333.17	22,420.22	7,633.90	115.22	115.44	180.00	-14,511.76	-1,657.72	300.73	62.44	238.29	1.262	Level 3
22,100.00	7,334.01	22,520.22	7,633.90	115.96	116.17	180.00	-14,611.75	-1,658.97	299.89	60.04	239.85	1.250	Level 3
22,200.00	7,334.85	22,620.21	7,633.90	116.70	116.91	180.00	-14,711.74	-1,660.21	299.05	57.64	241.41	1.239	Level 2
22,300.00	7,335.68	22,720.21	7,633.90	117.44	117.65	180.00	-14,811.73	-1,661.46	298.22	55.24	242.97	1.227	Level 2
22,400.00	7,336.52	22,820.21	7,633.90	118.18	118.39	180.00	-14,911.72	-1,662.70	297.38	52.85	244.53	1.216	Level 2
22,500.00	7,337.36	22,920.20	7,633.90	118.92	119.13	180.00	-15,011.71	-1,663.95	296.54	50.45	246.09	1.205	Level 2
22,600.00	7,338.20	23,020.20	7,633.90	119.66	119.87	180.00	-15,111.70	-1,665.19	295.70	48.05	247.66	1.194	Level 2
22,700.00	7,339.03	23,120.20	7,633.90	120.41	120.60	180.00	-15,211.68	-1,666.43	294.87	45.65	249.22	1.183	Level 2
22,800.00	7,339.87	23,220.19	7,633.90	121.15	121.34	180.00	-15,311.67	-1,667.68	294.03	43.25	250.78	1.172	Level 2
22,815.35	7,340.00	23,235.54	7,633.90	121.26	121.46	180.00	-15,327.02	-1,667.87	293.90	42.88	251.02	1.171	Level 2, SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	0.10	0.00	0.00	0.00	-0.64	34.99	-0.39	34.99				
100.00	100.00	100.10	100.00	0.28	0.28	-0.64	34.99	-0.39	34.99	34.44	0.55	63.345	
200.00	200.00	200.10	200.00	0.63	0.63	-0.64	34.99	-0.39	34.99	33.72	1.27	27.567	
300.00	300.00	300.10	300.00	0.99	0.99	-0.64	34.99	-0.39	34.99	33.01	1.99	17.617	
400.00	400.00	400.10	400.00	1.35	1.35	-0.64	34.99	-0.39	34.99	32.29	2.70	12.945	
500.00	500.00	500.10	500.00	1.71	1.71	-0.64	34.99	-0.39	34.99	31.57	3.42	10.231	
600.00	600.00	600.10	600.00	2.07	2.07	-0.64	34.99	-0.39	34.99	30.86	4.14	8.458	
700.00	700.00	700.10	700.00	2.43	2.43	-0.64	34.99	-0.39	34.99	30.14	4.85	7.209	
800.00	800.00	800.10	800.00	2.79	2.79	-0.64	34.99	-0.39	34.99	29.42	5.57	6.281	
900.00	900.00	900.10	900.00	3.14	3.14	-0.64	34.99	-0.39	34.99	28.70	6.29	5.565	
1,000.00	1,000.00	1,000.10	1,000.00	3.50	3.50	-0.64	34.99	-0.39	34.99	27.99	7.00	4.995	
1,100.00	1,100.00	1,100.10	1,100.00	3.86	3.86	-0.64	34.99	-0.39	34.99	27.27	7.72	4.532	
1,200.00	1,200.00	1,200.10	1,200.00	4.22	4.22	-0.64	34.99	-0.39	34.99	26.55	8.44	4.147	
1,300.00	1,299.98	1,300.08	1,299.98	4.57	4.58	79.38	34.99	-0.39	34.63	25.48	9.15	3.785	
1,400.00	1,399.84	1,399.94	1,399.84	4.92	4.94	88.07	34.99	-0.39	34.05	24.20	9.85	3.456	
1,407.89	1,407.71	1,407.76	1,407.66	4.95	4.96	88.99	35.00	-0.40	34.04	24.13	9.91	3.435	CC, ES
1,500.00	1,499.45	1,499.21	1,499.09	5.27	5.29	99.72	36.09	-1.71	35.34	24.78	10.56	3.348	SF
1,600.00	1,598.70	1,598.62	1,598.36	5.62	5.64	109.88	39.41	-5.66	39.60	28.34	11.26	3.518	
1,700.00	1,697.47	1,698.15	1,697.51	5.98	5.99	117.37	44.95	-12.26	46.45	34.49	11.96	3.883	
1,800.00	1,795.62	1,798.49	1,797.13	6.33	6.35	122.54	52.39	-21.66	55.11	42.45	12.67	4.351	
1,900.00	1,893.06	1,899.94	1,897.53	6.70	6.71	127.37	59.26	-34.47	63.30	49.94	13.36	4.738	
2,000.00	1,989.72	2,001.76	1,997.87	7.06	7.07	132.20	65.05	-50.73	70.60	56.56	14.03	5.030	
2,100.00	2,086.22	2,104.07	2,098.14	7.43	7.44	135.88	69.73	-70.48	75.28	60.59	14.70	5.123	
2,200.00	2,182.72	2,204.29	2,195.97	7.80	7.80	138.76	73.62	-91.91	78.05	62.66	15.40	5.069	
2,300.00	2,279.23	2,304.18	2,293.46	8.18	8.16	141.42	77.50	-113.30	80.97	64.86	16.11	5.026	
2,400.00	2,375.73	2,404.07	2,390.96	8.56	8.52	143.89	81.37	-134.69	84.06	67.22	16.83	4.993	
2,500.00	2,472.23	2,503.96	2,488.46	8.94	8.89	146.18	85.24	-156.07	87.29	69.73	17.56	4.970	
2,600.00	2,568.74	2,603.85	2,585.95	9.32	9.26	148.31	89.11	-177.46	90.65	72.35	18.29	4.955	
2,700.00	2,665.24	2,703.74	2,683.45	9.70	9.63	150.28	92.99	-198.84	94.12	75.09	19.03	4.945	
2,800.00	2,761.74	2,803.63	2,780.94	10.09	10.00	152.11	96.86	-220.23	97.70	77.93	19.77	4.941	
2,900.00	2,858.25	2,903.52	2,878.44	10.47	10.37	153.81	100.73	-241.61	101.37	80.85	20.52	4.940	
3,000.00	2,954.75	3,003.41	2,975.94	10.86	10.74	155.39	104.60	-263.00	105.12	83.85	21.27	4.942	
3,100.00	3,051.25	3,103.30	3,073.43	11.25	11.12	156.86	108.48	-284.38	108.95	86.93	22.02	4.947	
3,200.00	3,147.75	3,203.19	3,170.93	11.64	11.49	158.22	112.35	-305.77	112.85	90.06	22.78	4.953	
3,300.00	3,244.26	3,303.07	3,268.42	12.03	11.87	159.50	116.22	-327.16	116.80	93.26	23.54	4.961	
3,400.00	3,340.76	3,402.96	3,365.92	12.42	12.25	160.69	120.10	-348.54	120.81	96.50	24.30	4.971	
3,500.00	3,437.26	3,502.85	3,463.42	12.82	12.62	161.81	123.97	-369.93	124.87	99.80	25.07	4.981	
3,600.00	3,533.77	3,602.74	3,560.91	13.21	13.00	162.85	127.84	-391.31	128.97	103.13	25.84	4.992	
3,700.00	3,630.27	3,702.63	3,658.41	13.60	13.38	163.83	131.71	-412.70	133.11	106.50	26.60	5.003	
3,800.00	3,726.77	3,802.52	3,755.91	14.00	13.76	164.76	135.59	-434.08	137.29	109.91	27.38	5.015	
3,900.00	3,823.28	3,902.41	3,853.40	14.39	14.14	165.62	139.46	-455.47	141.50	113.35	28.15	5.027	
4,000.00	3,919.78	4,002.30	3,950.90	14.79	14.52	166.44	143.33	-476.85	145.74	116.82	28.92	5.039	
4,100.00	4,016.28	4,102.19	4,048.39	15.18	14.90	167.21	147.20	-498.24	150.01	120.31	29.70	5.051	
4,200.00	4,112.78	4,202.08	4,145.89	15.58	15.29	167.94	151.08	-519.63	154.31	123.83	30.47	5.064	
4,300.00	4,209.29	4,301.96	4,243.39	15.97	15.67	168.62	154.95	-541.01	158.63	127.38	31.25	5.076	
4,400.00	4,305.79	4,401.85	4,340.88	16.37	16.05	169.27	158.82	-562.40	162.97	130.94	32.03	5.088	
4,500.00	4,402.29	4,501.74	4,438.38	16.77	16.43	169.89	162.69	-583.78	167.33	134.52	32.81	5.100	
4,600.00	4,498.80	4,601.63	4,535.87	17.17	16.81	170.48	166.57	-605.17	171.71	138.12	33.59	5.112	
4,700.00	4,595.30	4,701.52	4,633.37	17.56	17.20	171.03	170.44	-626.55	176.10	141.73	34.37	5.124	
4,800.00	4,691.80	4,801.41	4,730.87	17.96	17.58	171.56	174.31	-647.94	180.51	145.36	35.15	5.135	
4,900.00	4,788.31	4,901.30	4,828.36	18.36	17.96	172.07	178.18	-669.32	184.94	149.01	35.94	5.146	
5,000.00	4,884.81	5,001.19	4,925.86	18.76	18.35	172.55	182.06	-690.71	189.38	152.66	36.72	5.157	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,981.31	5,101.08	5,023.35	19.16	18.73	173.01	185.93	-712.10	193.83	156.33	37.50	5.168	
5,200.00	5,077.81	5,200.97	5,120.85	19.55	19.12	173.44	189.80	-733.48	198.30	160.01	38.29	5.179	
5,300.00	5,174.32	5,300.86	5,218.35	19.95	19.50	173.86	193.67	-754.87	202.77	163.70	39.07	5.190	
5,400.00	5,270.82	5,400.74	5,315.84	20.35	19.89	174.26	197.55	-776.25	207.26	167.40	39.86	5.200	
5,500.00	5,367.32	5,500.63	5,413.34	20.75	20.27	174.65	201.42	-797.64	211.76	171.11	40.65	5.210	
5,600.00	5,463.83	5,600.52	5,510.83	21.15	20.66	175.01	205.29	-819.02	216.26	174.83	41.43	5.220	
5,700.00	5,560.33	5,700.41	5,608.33	21.55	21.04	175.37	209.16	-840.41	220.77	178.55	42.22	5.229	
5,800.00	5,656.83	5,800.30	5,705.83	21.95	21.43	175.71	213.04	-861.79	225.30	182.29	43.01	5.239	
5,900.00	5,753.34	5,900.19	5,803.32	22.35	21.81	176.03	216.91	-883.18	229.82	186.03	43.79	5.248	
6,000.00	5,849.84	6,000.08	5,900.82	22.75	22.20	176.34	220.78	-904.57	234.36	189.78	44.58	5.257	
6,100.00	5,946.34	6,099.97	5,998.32	23.15	22.58	176.64	224.65	-925.95	238.90	193.53	45.37	5.265	
6,200.00	6,042.85	6,199.86	6,095.81	23.55	22.97	176.93	228.53	-947.34	243.45	197.29	46.16	5.274	
6,300.00	6,139.35	6,299.75	6,193.31	23.95	23.35	177.21	232.40	-968.72	248.01	201.06	46.95	5.282	
6,400.00	6,235.85	6,399.64	6,290.80	24.35	23.74	177.48	236.27	-990.11	252.57	204.83	47.74	5.291	
6,500.00	6,332.35	6,499.52	6,388.30	24.75	24.13	177.74	240.14	-1,011.49	257.13	208.60	48.53	5.299	
6,600.00	6,428.86	6,599.41	6,485.80	25.15	24.51	177.99	244.02	-1,032.88	261.70	212.39	49.32	5.306	
6,700.00	6,525.36	6,699.30	6,583.29	25.55	24.90	178.23	247.89	-1,054.26	266.28	216.17	50.11	5.314	
6,800.00	6,621.86	6,799.19	6,680.79	25.95	25.29	178.47	251.76	-1,075.65	270.86	219.96	50.90	5.322	
6,900.00	6,718.31	6,898.90	6,778.11	26.35	25.67	-153.08	255.63	-1,097.00	274.84	223.17	51.67	5.319	
7,000.00	6,812.98	6,996.41	6,873.28	26.72	26.05	-132.62	259.41	-1,117.87	278.00	225.62	52.38	5.308	
7,100.00	6,903.02	7,088.78	6,963.43	27.06	26.41	-126.35	262.99	-1,137.65	284.01	231.01	53.01	5.358	
7,200.00	6,985.68	7,173.18	7,045.82	27.35	26.73	-126.67	266.26	-1,155.72	298.60	245.04	53.57	5.575	
7,300.00	7,058.46	7,247.07	7,117.94	27.60	27.02	-128.68	269.13	-1,171.54	327.35	273.29	54.06	6.055	
7,400.00	7,119.14	7,308.19	7,177.59	27.80	27.26	-129.50	271.50	-1,184.62	373.12	318.63	54.48	6.848	
7,500.00	7,165.89	7,354.69	7,222.97	27.97	27.44	-127.32	273.30	-1,194.58	435.12	380.32	54.80	7.940	
7,600.00	7,197.27	7,385.15	7,252.71	28.12	27.56	-120.53	274.48	-1,201.10	510.10	455.12	54.99	9.277	
7,700.00	7,212.34	7,398.65	7,265.88	28.27	27.61	-107.38	275.00	-1,203.99	593.87	538.82	55.05	10.789	
7,800.00	7,214.21	7,398.46	7,265.70	28.43	27.61	-101.02	275.00	-1,203.95	682.38	627.36	55.02	12.403	
7,900.00	7,215.05	7,397.21	7,264.48	28.59	27.60	-100.78	274.95	-1,203.68	773.68	718.69	54.99	14.069	
8,000.00	7,215.88	7,395.80	7,263.11	28.77	27.60	-99.91	274.89	-1,203.38	866.65	811.68	54.97	15.765	
8,100.00	7,216.72	7,393.68	7,261.04	28.96	27.59	-98.69	274.81	-1,202.93	959.97	905.01	54.96	17.468	
8,200.00	7,217.56	7,390.82	7,258.25	29.16	27.58	-97.58	274.70	-1,202.31	1,053.40	998.46	54.94	19.175	
8,300.00	7,218.40	7,387.69	7,255.19	29.36	27.57	-97.10	274.58	-1,201.64	1,147.53	1,092.61	54.92	20.893	
8,400.00	7,219.24	7,384.56	7,252.14	29.58	27.55	-96.62	274.46	-1,200.97	1,242.57	1,187.66	54.91	22.628	
8,500.00	7,220.07	7,381.43	7,249.08	29.81	27.54	-96.14	274.34	-1,200.30	1,338.33	1,283.43	54.91	24.375	
8,600.00	7,220.91	7,378.30	7,246.03	30.06	27.53	-95.66	274.21	-1,199.63	1,434.66	1,379.76	54.90	26.132	
8,700.00	7,221.75	10,182.82	8,749.90	30.32	35.10	180.00	-1,212.83	-1,564.98	1,528.15	1,488.41	39.74	38.452	
8,800.00	7,222.59	10,282.81	8,749.90	30.60	35.35	180.00	-1,312.83	-1,564.64	1,527.31	1,486.46	40.85	37.384	
8,900.00	7,223.42	10,382.81	8,749.90	30.89	35.61	180.00	-1,412.82	-1,564.31	1,526.48	1,484.48	42.00	36.348	
9,000.00	7,224.26	10,482.81	8,749.90	31.19	35.88	180.00	-1,512.82	-1,563.98	1,525.64	1,482.47	43.16	35.345	
9,100.00	7,225.10	10,582.80	8,749.90	31.51	36.17	180.00	-1,612.82	-1,563.65	1,524.80	1,480.44	44.36	34.376	
9,200.00	7,225.94	10,682.80	8,749.90	31.84	36.47	180.00	-1,712.81	-1,563.32	1,523.96	1,478.39	45.57	33.441	
9,300.00	7,226.78	10,782.80	8,749.90	32.19	36.77	180.00	-1,812.81	-1,562.99	1,523.12	1,476.32	46.81	32.539	
9,400.00	7,227.61	10,882.79	8,749.90	32.55	37.09	180.00	-1,912.80	-1,562.66	1,522.29	1,474.22	48.06	31.672	
9,500.00	7,228.45	10,982.79	8,749.90	32.92	37.43	180.00	-2,012.80	-1,562.32	1,521.45	1,472.11	49.34	30.838	
9,600.00	7,229.29	11,082.79	8,749.90	33.30	37.77	180.00	-2,112.80	-1,561.99	1,520.61	1,469.98	50.63	30.035	
9,700.00	7,230.13	11,182.78	8,749.90	33.70	38.13	180.00	-2,212.79	-1,561.66	1,519.77	1,467.84	51.93	29.265	
9,800.00	7,230.96	11,282.78	8,749.90	34.11	38.49	180.00	-2,312.79	-1,561.33	1,518.94	1,465.68	53.25	28.524	
9,900.00	7,231.80	11,382.77	8,749.90	34.52	38.87	180.00	-2,412.78	-1,561.00	1,518.10	1,463.51	54.58	27.812	
10,000.00	7,232.64	11,482.77	8,749.90	34.96	39.26	180.00	-2,512.78	-1,560.67	1,517.26	1,461.33	55.93	27.129	
10,100.00	7,233.48	11,582.77	8,749.90	35.40	39.66	180.00	-2,612.77	-1,560.33	1,516.42	1,459.14	57.28	26.472	
10,200.00	7,234.32	11,682.76	8,749.90	35.85	40.06	180.00	-2,712.77	-1,560.00	1,515.58	1,456.93	58.65	25.841	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	7,235.15	11,782.76	8,749.90	36.31	40.48	180.00	-2,812.77	-1,559.67	1,514.75	1,454.72	60.03	25.234	
10,400.00	7,235.99	11,882.76	8,749.90	36.78	40.91	180.00	-2,912.76	-1,559.34	1,513.91	1,452.50	61.41	24.651	
10,500.00	7,236.83	11,982.75	8,749.90	37.27	41.35	180.00	-3,012.76	-1,559.01	1,513.07	1,450.26	62.81	24.091	
10,600.00	7,237.67	12,082.75	8,749.90	37.76	41.79	180.00	-3,112.75	-1,558.68	1,512.23	1,448.02	64.21	23.552	
10,700.00	7,238.50	12,182.75	8,749.90	38.26	42.25	180.00	-3,212.75	-1,558.34	1,511.40	1,445.78	65.62	23.033	
10,800.00	7,239.34	12,282.74	8,749.90	38.76	42.71	180.00	-3,312.75	-1,558.01	1,510.56	1,443.52	67.04	22.534	
10,900.00	7,240.18	12,382.74	8,749.90	39.28	43.18	180.00	-3,412.74	-1,557.68	1,509.72	1,441.26	68.46	22.053	
11,000.00	7,241.02	12,482.74	8,749.90	39.80	43.66	180.00	-3,512.74	-1,557.35	1,508.88	1,438.99	69.89	21.590	
11,100.00	7,241.86	12,582.73	8,749.90	40.34	44.15	180.00	-3,612.73	-1,557.02	1,508.05	1,436.72	71.32	21.144	
11,200.00	7,242.69	12,682.73	8,749.90	40.87	44.65	180.00	-3,712.73	-1,556.69	1,507.21	1,434.44	72.76	20.713	
11,300.00	7,243.53	12,782.73	8,749.90	41.42	45.15	180.00	-3,812.73	-1,556.35	1,506.37	1,432.16	74.21	20.298	
11,400.00	7,244.37	12,882.72	8,749.90	41.97	45.66	180.00	-3,912.72	-1,556.02	1,505.53	1,429.87	75.66	19.898	
11,500.00	7,245.21	12,982.72	8,749.90	42.53	46.18	180.00	-4,012.72	-1,555.69	1,504.69	1,427.58	77.12	19.512	
11,600.00	7,246.04	13,082.72	8,749.90	43.10	46.70	180.00	-4,112.71	-1,555.36	1,503.86	1,425.28	78.58	19.138	
11,700.00	7,246.88	13,182.71	8,749.90	43.67	47.23	180.00	-4,212.71	-1,555.03	1,503.02	1,422.98	80.04	18.778	
11,800.00	7,247.72	13,282.71	8,749.90	44.25	47.76	180.00	-4,312.71	-1,554.70	1,502.18	1,420.67	81.51	18.429	
11,900.00	7,248.56	13,382.70	8,749.90	44.83	48.31	180.00	-4,412.70	-1,554.37	1,501.34	1,418.36	82.98	18.092	
12,000.00	7,249.39	13,482.70	8,749.90	45.42	48.86	180.00	-4,512.70	-1,554.03	1,500.51	1,416.05	84.46	17.767	
12,100.00	7,250.23	13,582.70	8,749.90	46.01	49.41	180.00	-4,612.69	-1,553.70	1,499.67	1,413.73	85.94	17.451	
12,200.00	7,251.07	13,682.69	8,749.90	46.61	49.97	180.00	-4,712.69	-1,553.37	1,498.83	1,411.41	87.42	17.146	
12,300.00	7,251.91	13,782.69	8,749.90	47.21	50.53	180.00	-4,812.69	-1,553.04	1,497.99	1,409.09	88.90	16.850	
12,400.00	7,252.75	13,882.69	8,749.90	47.82	51.10	180.00	-4,912.68	-1,552.98	1,497.15	1,406.76	90.39	16.563	
12,500.00	7,253.58	13,982.68	8,749.90	48.43	51.68	180.00	-5,012.67	-1,553.91	1,496.32	1,404.44	91.88	16.286	
12,600.00	7,254.42	14,082.68	8,749.90	49.05	52.26	180.00	-5,112.67	-1,554.84	1,495.48	1,402.11	93.37	16.016	
12,700.00	7,255.26	14,182.68	8,749.90	49.67	52.84	180.00	-5,212.66	-1,555.77	1,494.64	1,399.77	94.87	15.755	
12,800.00	7,256.10	14,282.67	8,749.90	50.30	53.43	180.00	-5,312.65	-1,556.70	1,493.80	1,397.44	96.37	15.501	
12,900.00	7,256.93	14,382.67	8,749.90	50.93	54.03	180.00	-5,412.64	-1,557.62	1,492.97	1,395.10	97.87	15.255	
13,000.00	7,257.77	14,482.67	8,749.90	51.56	54.62	180.00	-5,512.63	-1,558.55	1,492.13	1,392.76	99.37	15.016	
13,100.00	7,258.61	14,582.66	8,749.90	52.19	55.23	180.00	-5,612.63	-1,559.48	1,491.29	1,390.42	100.87	14.784	
13,200.00	7,259.45	14,682.66	8,749.90	52.83	55.83	180.00	-5,712.62	-1,560.41	1,490.45	1,388.07	102.38	14.558	
13,300.00	7,260.29	14,782.66	8,749.90	53.48	56.44	180.00	-5,812.61	-1,561.33	1,489.62	1,385.73	103.89	14.339	
13,400.00	7,261.12	14,882.65	8,749.90	54.12	57.06	180.00	-5,912.60	-1,562.26	1,488.78	1,383.38	105.40	14.126	
13,500.00	7,261.96	14,982.65	8,749.90	54.77	57.67	180.00	-6,012.60	-1,563.19	1,487.94	1,381.03	106.91	13.918	
13,600.00	7,262.80	15,082.64	8,749.90	55.42	58.29	180.00	-6,112.59	-1,564.12	1,487.10	1,378.68	108.42	13.716	
13,700.00	7,263.64	15,182.64	8,749.90	56.08	58.92	180.00	-6,212.58	-1,565.04	1,486.26	1,376.33	109.94	13.519	
13,800.00	7,264.47	15,282.64	8,749.90	56.74	59.55	180.00	-6,312.57	-1,565.97	1,485.43	1,373.97	111.45	13.328	
13,900.00	7,265.31	15,382.63	8,749.90	57.40	60.18	180.00	-6,412.56	-1,566.90	1,484.59	1,371.62	112.97	13.142	
14,000.00	7,266.15	15,482.63	8,749.90	58.06	60.81	180.00	-6,512.56	-1,567.83	1,483.75	1,369.26	114.49	12.960	
14,100.00	7,266.99	15,582.63	8,749.90	58.73	61.45	180.00	-6,612.55	-1,568.75	1,482.91	1,366.90	116.01	12.783	
14,200.00	7,267.82	15,682.62	8,749.90	59.39	62.09	180.00	-6,712.54	-1,569.68	1,482.08	1,364.54	117.53	12.610	
14,300.00	7,268.66	15,782.62	8,749.90	60.06	62.73	180.00	-6,812.53	-1,570.61	1,481.24	1,362.18	119.05	12.442	
14,400.00	7,269.50	15,882.62	8,749.90	60.74	63.37	180.00	-6,912.53	-1,571.54	1,480.40	1,359.82	120.58	12.278	
14,500.00	7,270.34	15,982.61	8,749.90	61.41	64.02	180.00	-7,012.52	-1,572.46	1,479.56	1,357.46	122.10	12.117	
14,600.00	7,271.18	16,082.61	8,749.90	62.09	64.67	180.00	-7,112.51	-1,573.39	1,478.72	1,355.10	123.63	11.961	
14,700.00	7,272.01	16,182.61	8,749.90	62.76	65.32	180.00	-7,212.50	-1,574.32	1,477.89	1,352.73	125.16	11.808	
14,800.00	7,272.85	16,282.60	8,749.90	63.44	65.98	180.00	-7,312.49	-1,575.25	1,477.05	1,350.36	126.69	11.659	
14,900.00	7,273.69	16,382.60	8,749.90	64.13	66.63	180.00	-7,412.49	-1,576.17	1,476.21	1,348.00	128.21	11.514	
15,000.00	7,274.53	16,482.60	8,749.90	64.81	67.29	180.00	-7,512.48	-1,577.10	1,475.37	1,345.63	129.75	11.371	
15,100.00	7,275.36	16,582.59	8,749.90	65.50	67.95	180.00	-7,612.47	-1,578.10	1,474.54	1,343.26	131.28	11.232	
15,200.00	7,276.20	16,682.59	8,749.90	66.18	68.62	180.00	-7,712.46	-1,579.10	1,473.70	1,340.89	132.81	11.096	
15,300.00	7,277.04	16,782.59	8,749.90	66.87	69.28	180.00	-7,812.45	-1,580.09	1,472.86	1,338.52	134.34	10.964	
15,400.00	7,277.88	16,882.58	8,749.90	67.56	69.95	180.00	-7,912.44	-1,581.09	1,472.02	1,336.15	135.88	10.834	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,500.00	7,278.72	16,982.58	8,749.90	68.26	70.62	180.00	-8,012.44	-1,582.09	1,471.18	1,333.77	137.41	10.706	
15,600.00	7,279.55	17,082.57	8,749.90	68.95	71.29	180.00	-8,112.43	-1,583.09	1,470.35	1,331.40	138.95	10.582	
15,700.00	7,280.39	17,182.57	8,749.90	69.65	71.97	180.00	-8,212.42	-1,584.09	1,469.51	1,329.03	140.48	10.460	
15,800.00	7,281.23	17,282.57	8,749.90	70.34	72.64	180.00	-8,312.41	-1,585.09	1,468.67	1,326.65	142.02	10.341	
15,900.00	7,282.07	17,382.56	8,749.90	71.04	73.32	180.00	-8,412.40	-1,586.09	1,467.83	1,324.28	143.56	10.225	
16,000.00	7,282.91	17,482.56	8,749.90	71.74	74.00	180.00	-8,512.39	-1,587.08	1,466.99	1,321.90	145.10	10.111	
16,100.00	7,283.74	17,582.56	8,749.90	72.44	74.68	180.00	-8,612.38	-1,588.08	1,466.16	1,319.52	146.63	9.999	
16,200.00	7,284.58	17,682.55	8,749.90	73.14	75.36	180.00	-8,712.38	-1,589.08	1,465.32	1,317.14	148.17	9.889	
16,300.00	7,285.42	17,782.55	8,749.90	73.85	76.04	180.00	-8,812.37	-1,590.08	1,464.48	1,314.77	149.71	9.782	
16,400.00	7,286.26	17,882.55	8,749.90	74.55	76.73	180.00	-8,912.36	-1,591.08	1,463.64	1,312.39	151.26	9.677	
16,500.00	7,287.10	17,982.54	8,749.90	75.26	77.41	180.00	-9,012.35	-1,592.08	1,462.80	1,310.01	152.80	9.574	
16,600.00	7,287.93	18,082.54	8,749.90	75.96	78.10	180.00	-9,112.34	-1,593.08	1,461.97	1,307.63	154.34	9.472	
16,700.00	7,288.77	18,182.54	8,749.90	76.67	78.79	180.00	-9,212.33	-1,594.08	1,461.13	1,305.25	155.88	9.373	
16,800.00	7,289.61	18,282.53	8,749.90	77.38	79.48	180.00	-9,312.33	-1,595.07	1,460.29	1,302.87	157.42	9.276	
16,900.00	7,290.45	18,382.53	8,749.90	78.09	80.17	180.00	-9,412.32	-1,596.07	1,459.45	1,300.48	158.97	9.181	
17,000.00	7,291.29	18,482.53	8,749.90	78.80	80.87	180.00	-9,512.31	-1,597.07	1,458.61	1,298.10	160.51	9.087	
17,100.00	7,292.12	18,582.52	8,749.90	79.51	81.56	180.00	-9,612.30	-1,598.07	1,457.78	1,295.72	162.06	8.995	
17,200.00	7,292.96	18,682.52	8,749.90	80.23	82.26	180.00	-9,712.29	-1,599.07	1,456.94	1,293.34	163.60	8.905	
17,300.00	7,293.80	18,782.52	8,749.90	80.94	82.95	180.00	-9,812.28	-1,600.07	1,456.10	1,290.95	165.15	8.817	
17,400.00	7,294.64	18,882.51	8,749.90	81.66	83.65	180.00	-9,912.27	-1,601.07	1,455.26	1,288.57	166.69	8.730	
17,500.00	7,295.48	18,982.51	8,749.90	82.37	84.35	180.00	-10,012.27	-1,602.06	1,454.42	1,286.18	168.24	8.645	
17,600.00	7,296.31	19,082.50	8,749.90	83.09	85.05	180.00	-10,112.26	-1,603.06	1,453.59	1,283.80	169.79	8.561	
17,700.00	7,297.15	19,182.50	8,749.90	83.80	85.75	180.00	-10,212.25	-1,604.21	1,452.75	1,281.41	171.33	8.479	
17,800.00	7,297.99	19,282.50	8,749.90	84.52	86.45	180.00	-10,312.24	-1,605.45	1,451.91	1,279.03	172.88	8.398	
17,900.00	7,298.83	19,382.49	8,749.90	85.24	87.16	180.00	-10,412.22	-1,606.69	1,451.07	1,276.64	174.43	8.319	
18,000.00	7,299.66	19,482.49	8,749.90	85.96	87.86	180.00	-10,512.21	-1,607.94	1,450.24	1,274.26	175.98	8.241	
18,100.00	7,300.50	19,582.49	8,749.90	86.68	88.57	180.00	-10,612.20	-1,609.18	1,449.40	1,271.87	177.53	8.164	
18,200.00	7,301.34	19,682.48	8,749.90	87.40	89.27	180.00	-10,712.19	-1,610.43	1,448.56	1,269.48	179.08	8.089	
18,300.00	7,302.18	19,782.48	8,749.90	88.12	89.98	180.00	-10,812.18	-1,611.67	1,447.72	1,267.10	180.63	8.015	
18,400.00	7,303.01	19,882.48	8,749.90	88.85	90.69	180.00	-10,912.17	-1,612.92	1,446.89	1,264.71	182.18	7.942	
18,500.00	7,303.85	19,982.47	8,749.90	89.57	91.40	180.00	-11,012.16	-1,614.16	1,446.05	1,262.32	183.73	7.871	
18,600.00	7,304.69	20,082.47	8,749.90	90.29	92.11	180.00	-11,112.15	-1,615.41	1,445.21	1,259.93	185.28	7.800	
18,700.00	7,305.53	20,182.47	8,749.90	91.02	92.82	180.00	-11,212.13	-1,616.65	1,444.37	1,257.55	186.83	7.731	
18,800.00	7,306.37	20,282.46	8,749.90	91.74	93.53	180.00	-11,312.12	-1,617.90	1,443.53	1,255.16	188.38	7.663	
18,900.00	7,307.20	20,382.46	8,749.90	92.47	94.24	180.00	-11,412.11	-1,619.14	1,442.70	1,252.77	189.93	7.596	
19,000.00	7,308.04	20,482.46	8,749.90	93.20	94.96	180.00	-11,512.10	-1,620.39	1,441.86	1,250.38	191.48	7.530	
19,100.00	7,308.88	20,582.45	8,749.90	93.92	95.67	180.00	-11,612.09	-1,621.63	1,441.02	1,247.99	193.03	7.465	
19,200.00	7,309.72	20,682.45	8,749.90	94.65	96.38	180.00	-11,712.08	-1,622.87	1,440.18	1,245.60	194.59	7.401	
19,300.00	7,310.55	20,782.44	8,749.90	95.38	97.10	180.00	-11,812.07	-1,624.12	1,439.35	1,243.21	196.14	7.338	
19,400.00	7,311.39	20,882.44	8,749.90	96.11	97.82	180.00	-11,912.06	-1,625.36	1,438.51	1,240.82	197.69	7.277	
19,500.00	7,312.23	20,982.44	8,749.90	96.84	98.53	180.00	-12,012.04	-1,626.61	1,437.67	1,238.43	199.24	7.216	
19,600.00	7,313.07	21,082.43	8,749.90	97.57	99.25	180.00	-12,112.03	-1,627.85	1,436.83	1,236.04	200.80	7.156	
19,700.00	7,313.90	21,182.43	8,749.90	98.30	99.97	180.00	-12,212.02	-1,629.10	1,436.00	1,233.64	202.35	7.097	
19,800.00	7,314.74	21,282.43	8,749.90	99.03	100.69	180.00	-12,312.01	-1,630.34	1,435.16	1,231.25	203.91	7.038	
19,900.00	7,315.58	21,382.42	8,749.90	99.76	101.41	180.00	-12,412.00	-1,631.59	1,434.32	1,228.86	205.46	6.981	
20,000.00	7,316.42	21,482.42	8,749.90	100.49	102.13	180.00	-12,511.99	-1,632.83	1,433.48	1,226.47	207.01	6.925	
20,100.00	7,317.25	21,582.42	8,749.90	101.23	102.85	180.00	-12,611.98	-1,634.08	1,432.65	1,224.08	208.57	6.869	
20,200.00	7,318.09	21,682.41	8,749.90	101.96	103.57	180.00	-12,711.97	-1,635.32	1,431.81	1,221.68	210.12	6.814	
20,300.00	7,318.93	21,782.41	8,749.90	102.69	104.29	180.00	-12,811.95	-1,636.56	1,430.97	1,219.29	211.68	6.760	
20,400.00	7,319.77	21,882.41	8,749.90	103.43	105.02	180.00	-12,911.94	-1,637.81	1,430.13	1,216.90	213.23	6.707	
20,500.00	7,320.61	21,982.40	8,749.90	104.16	105.74	180.00	-13,011.93	-1,639.05	1,429.29	1,214.51	214.79	6.654	
20,600.00	7,321.44	22,082.40	8,749.90	104.89	106.46	180.00	-13,111.92	-1,640.30	1,428.46	1,212.11	216.34	6.603	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,700.00	7,322.28	22,182.40	8,749.90	105.63	107.19	180.00	-13,211.91	-1,641.54	1,427.62	1,209.72	217.90	6.552	
20,800.00	7,323.12	22,282.39	8,749.90	106.37	107.91	180.00	-13,311.90	-1,642.79	1,426.78	1,207.33	219.46	6.501	
20,900.00	7,323.96	22,382.39	8,749.90	107.10	108.64	180.00	-13,411.89	-1,644.03	1,425.94	1,204.93	221.01	6.452	
21,000.00	7,324.79	22,482.39	8,749.90	107.84	109.36	180.00	-13,511.88	-1,645.28	1,425.11	1,202.54	222.57	6.403	
21,100.00	7,325.63	22,582.38	8,749.90	108.57	110.09	180.00	-13,611.86	-1,646.52	1,424.27	1,200.14	224.13	6.355	
21,200.00	7,326.47	22,682.38	8,749.90	109.31	110.82	180.00	-13,711.85	-1,647.77	1,423.43	1,197.75	225.68	6.307	
21,300.00	7,327.31	22,782.37	8,749.90	110.05	111.55	180.00	-13,811.84	-1,649.01	1,422.59	1,195.35	227.24	6.260	
21,400.00	7,328.14	22,882.37	8,749.90	110.79	112.27	180.00	-13,911.83	-1,650.25	1,421.76	1,192.96	228.80	6.214	
21,500.00	7,328.98	22,982.37	8,749.90	111.52	113.00	180.00	-14,011.82	-1,651.50	1,420.92	1,190.57	230.35	6.168	
21,600.00	7,329.82	23,082.36	8,749.90	112.26	113.73	180.00	-14,111.81	-1,652.74	1,420.08	1,188.17	231.91	6.123	
21,700.00	7,330.66	23,182.36	8,749.90	113.00	114.46	180.00	-14,211.80	-1,653.99	1,419.24	1,185.77	233.47	6.079	
21,800.00	7,331.50	23,282.36	8,749.90	113.74	115.19	180.00	-14,311.79	-1,655.23	1,418.41	1,183.38	235.03	6.035	
21,900.00	7,332.33	23,382.35	8,749.90	114.48	115.92	180.00	-14,411.77	-1,656.48	1,417.57	1,180.98	236.58	5.992	
22,000.00	7,333.17	23,482.35	8,749.90	115.22	116.65	180.00	-14,511.76	-1,657.72	1,416.73	1,178.59	238.14	5.949	
22,100.00	7,334.01	23,582.35	8,749.90	115.96	117.38	180.00	-14,611.75	-1,658.97	1,415.89	1,176.19	239.70	5.907	
22,200.00	7,334.85	23,682.34	8,749.90	116.70	118.11	180.00	-14,711.74	-1,660.21	1,415.05	1,173.80	241.26	5.865	
22,300.00	7,335.68	23,782.34	8,749.90	117.44	118.85	180.00	-14,811.73	-1,661.46	1,414.22	1,171.40	242.82	5.824	
22,400.00	7,336.52	23,882.34	8,749.90	118.18	119.58	180.00	-14,911.72	-1,662.70	1,413.38	1,169.00	244.38	5.784	
22,500.00	7,337.36	23,982.33	8,749.90	118.92	120.31	180.00	-15,011.71	-1,663.95	1,412.54	1,166.61	245.93	5.744	
22,600.00	7,338.20	24,082.33	8,749.90	119.66	121.04	180.00	-15,111.70	-1,665.19	1,411.70	1,164.21	247.49	5.704	
22,700.00	7,339.03	24,182.33	8,749.90	120.41	121.78	180.00	-15,211.68	-1,666.43	1,410.87	1,161.81	249.05	5.665	
22,800.00	7,339.87	24,282.32	8,749.90	121.15	122.51	180.00	-15,311.67	-1,667.68	1,410.03	1,159.42	250.61	5.626	
22,815.35	7,340.00	24,297.67	8,749.90	121.26	122.62	180.00	-15,327.02	-1,667.87	1,409.90	1,159.05	250.85	5.620	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	0.00	0.00	0.00	0.00	-0.64	154.96	-1.72	154.97				
100.00	100.00	100.00	100.00	0.28	0.28	-0.64	154.96	-1.72	154.97	154.42	0.55	280.718	
200.00	200.00	200.00	200.00	0.63	0.63	-0.64	154.96	-1.72	154.97	153.70	1.27	122.120	
300.00	300.00	300.00	300.00	0.99	0.99	-0.64	154.96	-1.72	154.97	152.98	1.99	78.034	
400.00	400.00	400.00	400.00	1.35	1.35	-0.64	154.96	-1.72	154.97	152.27	2.70	57.335	
500.00	500.00	500.00	500.00	1.71	1.71	-0.64	154.96	-1.72	154.97	151.55	3.42	45.315	
600.00	600.00	600.00	600.00	2.07	2.07	-0.64	154.96	-1.72	154.97	150.83	4.14	37.462	
700.00	700.00	700.00	700.00	2.43	2.43	-0.64	154.96	-1.72	154.97	150.12	4.85	31.928	
800.00	800.00	800.00	800.00	2.79	2.79	-0.64	154.96	-1.72	154.97	149.40	5.57	27.819	
900.00	900.00	900.00	900.00	3.14	3.14	-0.64	154.96	-1.72	154.97	148.68	6.29	24.647	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	-0.64	154.96	-1.72	154.97	147.97	7.00	22.124	
1,100.00	1,100.00	1,099.60	1,099.60	3.86	3.85	-0.95	155.07	-2.58	155.10	147.38	7.71	20.109	
1,200.00	1,200.00	1,199.14	1,199.10	4.22	4.20	-1.90	155.42	-5.15	155.51	147.09	8.42	18.479	
1,300.00	1,299.98	1,298.64	1,298.50	4.57	4.54	74.35	155.99	-9.43	155.81	146.69	9.11	17.096	
1,400.00	1,399.84	1,398.13	1,397.81	4.92	4.89	74.01	156.80	-15.42	155.50	145.69	9.81	15.853	
1,500.00	1,499.45	1,497.62	1,496.99	5.27	5.24	74.29	157.83	-23.12	154.57	144.06	10.51	14.709	
1,600.00	1,598.70	1,597.10	1,596.02	5.62	5.59	75.20	159.09	-32.53	153.03	141.82	11.21	13.648	
1,700.00	1,697.47	1,696.59	1,694.87	5.98	5.95	76.78	160.58	-43.64	150.96	139.04	11.92	12.663	
1,800.00	1,795.62	1,796.06	1,793.50	6.33	6.30	79.05	162.29	-56.44	148.51	135.88	12.64	11.754	
1,900.00	1,893.06	1,895.53	1,891.89	6.70	6.66	82.06	164.24	-70.94	145.89	132.54	13.35	10.925	
2,000.00	1,989.72	1,995.01	1,990.05	7.06	7.02	85.80	166.39	-86.97	143.41	129.33	14.08	10.188	
2,100.00	2,086.22	2,094.50	2,088.17	7.43	7.38	89.77	168.57	-103.27	141.53	126.72	14.80	9.562	
2,200.00	2,182.72	2,193.99	2,186.29	7.80	7.74	93.82	170.75	-119.56	140.35	124.82	15.53	9.038	
2,300.00	2,279.23	2,293.48	2,284.41	8.18	8.11	97.92	172.94	-135.85	139.88	123.63	16.26	8.605	
2,313.66	2,292.41	2,307.07	2,297.82	8.23	8.16	98.48	173.23	-138.08	139.88	123.52	16.36	8.552	CC
2,400.00	2,375.73	2,392.97	2,382.54	8.56	8.47	102.02	175.12	-152.14	140.15	123.16	16.99	8.251	ES
2,500.00	2,472.23	2,492.46	2,480.66	8.94	8.84	106.09	177.30	-168.44	141.13	123.42	17.71	7.967	
2,600.00	2,568.74	2,591.95	2,578.78	9.32	9.20	110.09	179.49	-184.73	142.83	124.38	18.44	7.744	
2,700.00	2,665.24	2,691.44	2,676.91	9.70	9.57	113.97	181.67	-201.02	145.20	126.03	19.17	7.573	
2,800.00	2,761.74	2,790.93	2,775.03	10.09	9.94	117.71	183.85	-217.32	148.22	128.32	19.91	7.446	
2,900.00	2,858.25	2,890.42	2,873.15	10.47	10.30	121.29	186.04	-233.61	151.86	131.22	20.64	7.358	
3,000.00	2,954.75	2,989.91	2,971.27	10.86	10.67	124.69	188.22	-249.90	156.06	134.69	21.37	7.301	
3,100.00	3,051.25	3,089.40	3,069.40	11.25	11.04	127.90	190.41	-266.20	160.79	138.68	22.11	7.272	
3,200.00	3,147.75	3,188.89	3,167.52	11.64	11.41	130.93	192.59	-282.49	165.99	143.14	22.85	7.264	SF
3,300.00	3,244.26	3,288.38	3,265.64	12.03	11.78	133.76	194.77	-298.78	171.63	148.04	23.59	7.274	
3,400.00	3,340.76	3,387.88	3,363.77	12.42	12.15	136.40	196.96	-315.07	177.66	153.33	24.34	7.300	
3,500.00	3,437.26	3,487.37	3,461.89	12.82	12.52	138.87	199.14	-331.37	184.05	158.97	25.09	7.337	
3,600.00	3,533.77	3,586.86	3,560.01	13.21	12.89	141.18	201.32	-347.66	190.76	164.92	25.84	7.384	
3,700.00	3,630.27	3,686.35	3,658.13	13.60	13.26	143.32	203.51	-363.95	197.75	171.17	26.59	7.438	
3,800.00	3,726.77	3,785.84	3,756.26	14.00	13.63	145.31	205.69	-380.25	205.01	177.66	27.34	7.498	
3,900.00	3,823.28	3,885.33	3,854.38	14.39	14.00	147.17	207.87	-396.54	212.49	184.39	28.10	7.562	
4,000.00	3,919.78	3,984.82	3,952.50	14.79	14.37	148.90	210.06	-412.83	220.18	191.32	28.86	7.630	
4,100.00	4,016.28	4,084.31	4,050.63	15.18	14.75	150.51	212.24	-429.13	228.06	198.44	29.62	7.700	
4,200.00	4,112.78	4,183.80	4,148.75	15.58	15.12	152.01	214.42	-445.42	236.10	205.73	30.38	7.772	
4,300.00	4,209.29	4,283.29	4,246.87	15.97	15.49	153.41	216.61	-461.71	244.30	213.16	31.14	7.845	
4,400.00	4,305.79	4,382.78	4,344.99	16.37	15.86	154.73	218.79	-478.00	252.63	220.73	31.90	7.919	
4,500.00	4,402.29	4,482.27	4,443.12	16.77	16.23	155.95	220.98	-494.30	261.09	228.42	32.67	7.992	
4,600.00	4,498.80	4,581.76	4,541.24	17.17	16.61	157.11	223.16	-510.59	269.66	236.22	33.43	8.065	
4,700.00	4,595.30	4,681.25	4,639.36	17.56	16.98	158.18	225.34	-526.88	278.33	244.13	34.20	8.138	
4,800.00	4,691.80	4,780.74	4,737.49	17.96	17.35	159.20	227.53	-543.18	287.09	252.12	34.97	8.210	
4,900.00	4,788.31	4,880.23	4,835.61	18.36	17.72	160.15	229.71	-559.47	295.94	260.20	35.74	8.281	
5,000.00	4,884.81	4,979.72	4,933.73	18.76	18.10	161.05	231.89	-575.76	304.86	268.35	36.51	8.351	

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

Total Directional

Anticollision Report

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Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,981.31	5,079.21	5,031.85	19.16	18.47	161.90	234.08	-592.06	313.85	276.58	37.28	8.420	
5,200.00	5,077.81	5,178.70	5,129.98	19.55	18.84	162.70	236.26	-608.35	322.91	284.87	38.05	8.487	
5,300.00	5,174.32	5,278.19	5,228.10	19.95	19.21	163.45	238.44	-624.64	332.03	293.21	38.82	8.554	
5,400.00	5,270.82	5,377.68	5,326.22	20.35	19.59	164.17	240.63	-640.93	341.20	301.61	39.59	8.619	
5,500.00	5,367.32	5,477.17	5,424.35	20.75	19.96	164.85	242.81	-657.23	350.42	310.06	40.36	8.682	
5,600.00	5,463.83	5,576.66	5,522.47	21.15	20.33	165.49	245.00	-673.52	359.69	318.56	41.13	8.745	
5,700.00	5,560.33	5,676.15	5,620.59	21.55	20.71	166.10	247.18	-689.81	369.00	327.09	41.91	8.806	
5,800.00	5,656.83	5,775.64	5,718.71	21.95	21.08	166.68	249.36	-706.11	378.35	335.67	42.68	8.865	
5,900.00	5,753.34	5,875.13	5,816.84	22.35	21.45	167.24	251.55	-722.40	387.74	344.29	43.45	8.923	
6,000.00	5,849.84	5,974.62	5,914.96	22.75	21.83	167.76	253.73	-738.69	397.16	352.93	44.22	8.980	
6,100.00	5,946.34	6,074.11	6,013.08	23.15	22.20	168.27	255.91	-754.99	406.61	361.61	45.00	9.036	
6,200.00	6,042.85	6,173.60	6,111.20	23.55	22.58	168.75	258.10	-771.28	416.09	370.32	45.77	9.090	
6,300.00	6,139.35	6,273.09	6,209.33	23.95	22.95	169.20	260.28	-787.57	425.60	379.06	46.55	9.143	
6,400.00	6,235.85	6,372.58	6,307.45	24.35	23.32	169.64	262.46	-803.86	435.14	387.82	47.32	9.195	
6,500.00	6,332.35	6,472.08	6,405.57	24.75	23.70	170.06	264.65	-820.16	444.70	396.60	48.10	9.246	
6,600.00	6,428.86	6,571.57	6,503.70	25.15	24.07	170.46	266.83	-836.45	454.28	405.41	48.87	9.295	
6,700.00	6,525.36	6,671.06	6,601.82	25.55	24.44	170.85	269.01	-852.74	463.89	414.24	49.65	9.344	
6,800.00	6,621.86	6,770.55	6,699.94	25.95	24.82	171.22	271.20	-869.04	473.51	423.09	50.42	9.391	
6,900.00	6,718.31	6,869.93	6,797.96	26.35	25.19	-159.21	273.38	-885.31	483.22	432.03	51.19	9.440	
7,000.00	6,812.98	6,967.34	6,894.03	26.72	25.56	-135.98	275.52	-901.26	493.47	441.56	51.91	9.506	
7,100.00	6,903.02	7,059.83	6,985.25	27.06	25.91	-125.79	277.55	-916.41	505.91	453.33	52.57	9.623	
7,200.00	6,985.68	7,144.58	7,068.84	27.35	26.22	-121.94	279.41	-930.29	523.33	470.17	53.17	9.843	
7,300.00	7,058.46	7,219.03	7,142.26	27.60	26.50	-120.47	281.04	-942.48	548.93	495.26	53.67	10.228	
7,400.00	7,119.14	7,280.91	7,203.30	27.80	26.74	-119.12	282.40	-952.62	585.23	531.15	54.08	10.822	
7,500.00	7,165.89	7,328.35	7,250.08	27.97	26.92	-116.42	283.44	-960.38	633.33	578.97	54.36	11.650	
7,600.00	7,197.27	7,359.89	7,281.19	28.12	27.03	-111.32	284.13	-965.55	692.58	638.06	54.52	12.704	
7,700.00	7,212.34	7,374.58	7,295.68	28.27	27.09	-103.12	284.46	-967.96	760.81	706.28	54.54	13.950	
7,800.00	7,214.21	7,375.66	7,296.73	28.43	27.09	-99.51	284.48	-968.13	835.26	780.79	54.47	15.335	
7,900.00	7,215.05	7,375.67	7,296.75	28.59	27.09	-99.51	284.48	-968.13	914.55	860.14	54.40	16.811	
8,000.00	7,215.88	7,375.56	7,296.64	28.77	27.09	-99.17	284.48	-968.12	997.17	942.82	54.35	18.348	
8,100.00	7,216.72	7,374.91	7,296.00	28.96	27.09	-98.61	284.46	-968.01	1,081.07	1,026.77	54.30	19.909	
8,200.00	7,217.56	7,373.69	7,294.80	29.16	27.09	-98.09	284.44	-967.81	1,165.82	1,111.56	54.26	21.487	
8,300.00	7,218.40	7,372.27	7,293.40	29.36	27.08	-97.95	284.40	-967.58	1,252.22	1,198.00	54.22	23.093	
8,400.00	7,219.24	7,370.85	7,291.99	29.58	27.08	-97.82	284.37	-967.34	1,340.51	1,286.31	54.20	24.733	
8,500.00	7,220.07	7,369.43	7,290.59	29.81	27.07	-97.69	284.34	-967.11	1,430.35	1,376.17	54.18	26.400	
8,600.00	7,220.91	7,368.00	7,289.19	30.06	27.06	-97.55	284.31	-966.88	1,521.45	1,467.28	54.17	28.089	
8,700.00	7,221.75	7,366.58	7,287.78	30.32	27.06	-97.42	284.28	-966.65	1,613.60	1,559.44	54.16	29.796	
8,800.00	7,222.59	7,365.16	7,286.38	30.60	27.05	-97.29	284.25	-966.41	1,706.64	1,652.49	54.15	31.518	
8,900.00	7,223.42	7,363.73	7,284.98	30.89	27.05	-97.15	284.22	-966.18	1,800.42	1,746.27	54.14	33.252	
9,000.00	7,224.26	7,362.31	7,283.57	31.19	27.04	-97.02	284.19	-965.95	1,894.83	1,840.69	54.14	34.996	
9,100.00	7,225.10	7,360.89	7,282.17	31.51	27.04	-96.88	284.16	-965.71	1,989.79	1,935.65	54.15	36.749	
9,200.00	7,225.94	11,220.35	9,298.03	31.84	38.38	179.45	-1,712.39	-1,583.07	2,072.18	2,026.49	45.69	45.352	
9,300.00	7,226.78	11,320.34	9,298.04	32.19	38.68	179.43	-1,812.38	-1,583.69	2,071.37	2,024.48	46.88	44.180	
9,400.00	7,227.61	11,420.34	9,298.06	32.55	39.00	179.40	-1,912.37	-1,584.32	2,070.56	2,022.46	48.10	43.048	
9,500.00	7,228.45	11,520.33	9,298.07	32.92	39.32	179.37	-2,012.36	-1,584.94	2,069.74	2,020.41	49.33	41.956	
9,600.00	7,229.29	11,620.32	9,298.09	33.30	39.66	179.35	-2,112.35	-1,585.56	2,068.93	2,018.35	50.58	40.902	
9,700.00	7,230.13	11,720.31	9,298.10	33.70	40.00	179.32	-2,212.34	-1,586.18	2,068.12	2,016.27	51.85	39.887	
9,800.00	7,230.96	11,820.30	9,298.11	34.11	40.36	179.29	-2,312.33	-1,586.81	2,067.31	2,014.17	53.13	38.909	
9,900.00	7,231.80	11,920.30	9,298.13	34.52	40.73	179.27	-2,412.32	-1,587.43	2,066.50	2,012.07	54.43	37.967	
10,000.00	7,232.64	12,020.29	9,298.14	34.96	41.11	179.24	-2,512.31	-1,588.05	2,065.68	2,009.95	55.74	37.060	
10,100.00	7,233.48	12,120.28	9,298.16	35.40	41.50	179.21	-2,612.30	-1,588.68	2,064.87	2,007.81	57.06	36.187	
10,200.00	7,234.32	12,220.27	9,298.17	35.85	41.89	179.19	-2,712.29	-1,589.30	2,064.06	2,005.67	58.39	35.347	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,300.00	7,235.15	12,320.27	9,298.19	36.31	42.30	179.16	-2,812.28	-1,589.92	2,063.26	2,003.52	59.74	34.537	
10,400.00	7,235.99	12,420.26	9,298.20	36.78	42.72	179.13	-2,912.27	-1,590.54	2,062.45	2,001.35	61.09	33.758	
10,500.00	7,236.83	12,520.25	9,298.22	37.27	43.15	179.11	-3,012.26	-1,591.17	2,061.64	1,999.18	62.46	33.008	
10,600.00	7,237.67	12,620.24	9,298.23	37.76	43.58	179.08	-3,112.25	-1,591.79	2,060.83	1,997.00	63.83	32.285	
10,700.00	7,238.50	12,720.23	9,298.24	38.26	44.02	179.05	-3,212.24	-1,592.41	2,060.02	1,994.81	65.21	31.589	
10,800.00	7,239.34	12,820.23	9,298.26	38.76	44.48	179.03	-3,312.23	-1,593.04	2,059.21	1,992.61	66.60	30.918	
10,900.00	7,240.18	12,920.22	9,298.27	39.28	44.94	179.00	-3,412.22	-1,593.66	2,058.41	1,990.41	68.00	30.271	
11,000.00	7,241.02	13,020.21	9,298.29	39.80	45.41	178.97	-3,512.21	-1,594.28	2,057.60	1,988.20	69.40	29.647	
11,100.00	7,241.86	13,120.20	9,298.30	40.34	45.88	178.94	-3,612.20	-1,594.90	2,056.80	1,985.98	70.81	29.045	
11,200.00	7,242.69	13,220.19	9,298.32	40.87	46.37	178.92	-3,712.19	-1,595.53	2,055.99	1,983.76	72.23	28.465	
11,300.00	7,243.53	13,320.19	9,298.33	41.42	46.86	178.89	-3,812.18	-1,596.15	2,055.19	1,981.54	73.65	27.904	
11,400.00	7,244.37	13,420.18	9,298.35	41.97	47.35	178.86	-3,912.17	-1,596.77	2,054.38	1,979.30	75.08	27.363	
11,500.00	7,245.21	13,520.17	9,298.36	42.53	47.86	178.84	-4,012.16	-1,597.39	2,053.58	1,977.07	76.51	26.841	
11,600.00	7,246.04	13,620.16	9,298.37	43.10	48.37	178.81	-4,112.15	-1,598.02	2,052.77	1,974.83	77.95	26.335	
11,700.00	7,246.88	13,720.15	9,298.39	43.67	48.89	178.78	-4,212.14	-1,598.64	2,051.97	1,972.58	79.39	25.847	
11,800.00	7,247.72	13,820.15	9,298.40	44.25	49.41	178.76	-4,312.13	-1,599.26	2,051.17	1,970.33	80.84	25.375	
11,900.00	7,248.56	13,920.14	9,298.42	44.83	49.94	178.73	-4,412.12	-1,599.89	2,050.37	1,968.08	82.29	24.918	
12,000.00	7,249.39	14,020.13	9,298.43	45.42	50.48	178.70	-4,512.11	-1,600.51	2,049.57	1,965.83	83.74	24.475	
12,100.00	7,250.23	14,120.12	9,298.45	46.01	51.02	178.67	-4,612.10	-1,601.13	2,048.76	1,963.57	85.20	24.047	
12,200.00	7,251.07	14,220.11	9,298.46	46.61	51.57	178.65	-4,712.09	-1,601.75	2,047.96	1,961.30	86.66	23.632	
12,300.00	7,251.91	14,320.11	9,298.48	47.21	52.12	178.62	-4,812.08	-1,602.38	2,047.16	1,959.04	88.12	23.231	
12,400.00	7,252.75	14,420.10	9,298.49	47.82	52.68	178.60	-4,912.07	-1,603.00	2,046.36	1,956.76	89.59	22.840	
12,500.00	7,253.58	14,520.10	9,298.51	48.43	53.25	178.61	-5,012.07	-1,603.62	2,045.53	1,954.45	91.08	22.458	
12,600.00	7,254.42	14,620.09	9,298.52	49.05	53.81	178.62	-5,112.06	-1,604.25	2,044.70	1,952.13	92.57	22.088	
12,700.00	7,255.26	14,720.09	9,298.53	49.67	54.39	178.62	-5,212.06	-1,604.87	2,043.87	1,949.81	94.06	21.729	
12,800.00	7,256.10	14,820.08	9,298.55	50.30	54.96	178.63	-5,312.05	-1,605.49	2,043.04	1,947.48	95.55	21.381	
12,900.00	7,256.93	14,920.08	9,298.56	50.93	55.55	178.64	-5,412.04	-1,606.11	2,042.20	1,945.16	97.05	21.043	
13,000.00	7,257.77	15,020.08	9,298.58	51.56	56.13	178.65	-5,512.04	-1,606.74	2,041.37	1,942.83	98.55	20.715	
13,100.00	7,258.61	15,120.07	9,298.59	52.19	56.72	178.66	-5,612.03	-1,607.36	2,040.54	1,940.50	100.05	20.396	
13,200.00	7,259.45	15,220.07	9,298.61	52.83	57.32	178.66	-5,712.03	-1,607.98	2,039.71	1,938.16	101.55	20.085	
13,300.00	7,260.29	15,320.06	9,298.62	53.48	57.92	178.67	-5,812.02	-1,608.61	2,038.88	1,935.83	103.06	19.784	
13,400.00	7,261.12	15,420.06	9,298.64	54.12	58.52	178.68	-5,912.02	-1,609.23	2,038.05	1,933.49	104.56	19.491	
13,500.00	7,261.96	15,520.06	9,298.65	54.77	59.13	178.69	-6,012.01	-1,609.85	2,037.22	1,931.15	106.07	19.206	
13,600.00	7,262.80	15,620.05	9,298.66	55.42	59.74	178.70	-6,112.00	-1,610.47	2,036.39	1,928.81	107.58	18.929	
13,700.00	7,263.64	15,720.05	9,298.68	56.08	60.35	178.70	-6,212.00	-1,611.10	2,035.56	1,926.47	109.10	18.659	
13,800.00	7,264.47	15,820.05	9,298.69	56.74	60.97	178.71	-6,311.99	-1,611.72	2,034.73	1,924.12	110.61	18.396	
13,900.00	7,265.31	15,920.04	9,298.71	57.40	61.59	178.72	-6,411.99	-1,612.34	2,033.90	1,921.78	112.13	18.140	
14,000.00	7,266.15	16,020.04	9,298.72	58.06	62.21	178.73	-6,511.98	-1,612.96	2,033.07	1,919.43	113.64	17.890	
14,100.00	7,266.99	16,120.03	9,298.74	58.73	62.84	178.74	-6,611.97	-1,613.59	2,032.25	1,917.08	115.16	17.647	
14,200.00	7,267.82	16,220.03	9,298.75	59.39	63.47	178.74	-6,711.97	-1,614.21	2,031.42	1,914.73	116.68	17.410	
14,300.00	7,268.66	16,320.03	9,298.77	60.06	64.10	178.75	-6,811.96	-1,614.83	2,030.59	1,912.38	118.20	17.179	
14,400.00	7,269.50	16,420.02	9,298.78	60.74	64.73	178.76	-6,911.96	-1,615.46	2,029.76	1,910.03	119.73	16.953	
14,500.00	7,270.34	16,520.02	9,298.80	61.41	65.37	178.77	-7,011.95	-1,616.08	2,028.93	1,907.68	121.25	16.733	
14,600.00	7,271.18	16,620.01	9,298.81	62.09	66.01	178.78	-7,111.95	-1,616.70	2,028.10	1,905.32	122.78	16.519	
14,700.00	7,272.01	16,720.01	9,298.82	62.76	66.66	178.78	-7,211.94	-1,617.32	2,027.27	1,902.97	124.30	16.309	
14,800.00	7,272.85	16,820.01	9,298.84	63.44	67.30	178.79	-7,311.93	-1,617.95	2,026.44	1,900.61	125.83	16.105	
14,900.00	7,273.69	16,920.00	9,298.85	64.13	67.95	178.80	-7,411.93	-1,618.57	2,025.61	1,898.25	127.36	15.905	
15,000.00	7,274.53	17,020.00	9,298.87	64.81	68.60	178.81	-7,511.92	-1,619.19	2,024.78	1,895.89	128.89	15.710	
15,100.00	7,275.36	17,120.00	9,298.88	65.50	69.25	178.82	-7,611.92	-1,619.82	2,023.95	1,893.53	130.42	15.519	
15,200.00	7,276.20	17,219.99	9,298.90	66.18	69.91	178.83	-7,711.91	-1,620.44	2,023.12	1,891.16	131.95	15.332	
15,300.00	7,277.04	17,319.99	9,298.91	66.87	70.57	178.84	-7,811.90	-1,621.06	2,022.29	1,888.80	133.49	15.150	
15,400.00	7,277.88	17,419.98	9,298.93	67.56	71.23	178.85	-7,911.90	-1,621.68	2,021.46	1,886.43	135.02	14.971	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,500.00	7,278.72	17,519.98	9,298.94	68.26	71.89	178.86	-8,011.89	-1,622.31	2,020.62	1,884.07	136.56	14.797	
15,600.00	7,279.55	17,619.97	9,298.95	68.95	72.55	178.87	-8,111.89	-1,622.93	2,019.79	1,881.70	138.09	14.626	
15,700.00	7,280.39	17,719.97	9,298.97	69.65	73.22	178.88	-8,211.88	-1,623.55	2,018.96	1,879.33	139.63	14.459	
15,800.00	7,281.23	17,819.97	9,298.98	70.34	73.88	178.89	-8,311.87	-1,624.18	2,018.13	1,876.97	141.17	14.296	
15,900.00	7,282.07	17,919.96	9,299.00	71.04	74.55	178.90	-8,411.87	-1,624.80	2,017.30	1,874.60	142.71	14.136	
16,000.00	7,282.91	18,019.96	9,299.01	71.74	75.23	178.91	-8,511.86	-1,625.42	2,016.47	1,872.23	144.25	13.979	
16,100.00	7,283.74	18,119.95	9,299.03	72.44	75.90	178.92	-8,611.86	-1,626.04	2,015.64	1,869.86	145.79	13.826	
16,200.00	7,284.58	18,219.95	9,299.04	73.14	76.57	178.93	-8,711.85	-1,626.67	2,014.81	1,867.48	147.33	13.676	
16,300.00	7,285.42	18,319.95	9,299.06	73.85	77.25	178.94	-8,811.84	-1,627.29	2,013.98	1,865.11	148.87	13.529	
16,400.00	7,286.26	18,419.94	9,299.07	74.55	77.93	178.95	-8,911.84	-1,627.91	2,013.15	1,862.74	150.41	13.384	
16,500.00	7,287.10	18,519.94	9,299.08	75.26	78.61	178.96	-9,011.83	-1,628.54	2,012.32	1,860.37	151.95	13.243	
16,600.00	7,287.93	18,619.93	9,299.10	75.96	79.29	178.97	-9,111.83	-1,629.16	2,011.49	1,857.99	153.50	13.105	
16,700.00	7,288.77	18,719.93	9,299.11	76.67	79.97	178.98	-9,211.82	-1,629.78	2,010.66	1,855.62	155.04	12.969	
16,800.00	7,289.61	18,819.93	9,299.13	77.38	80.65	178.99	-9,311.81	-1,630.40	2,009.83	1,853.25	156.58	12.835	
16,900.00	7,290.45	18,919.92	9,299.14	78.09	81.34	179.00	-9,411.81	-1,631.03	2,009.00	1,850.87	158.13	12.705	
17,000.00	7,291.29	19,019.92	9,299.16	78.80	82.03	179.01	-9,511.80	-1,631.65	2,008.17	1,848.49	159.68	12.577	
17,100.00	7,292.12	19,119.91	9,299.17	79.51	82.71	179.02	-9,611.80	-1,632.27	2,007.34	1,846.12	161.22	12.451	
17,200.00	7,292.96	19,219.91	9,299.19	80.23	83.40	179.03	-9,711.79	-1,632.90	2,006.51	1,843.74	162.77	12.327	
17,300.00	7,293.80	19,319.91	9,299.20	80.94	84.10	179.04	-9,811.78	-1,633.52	2,005.68	1,841.36	164.32	12.206	
17,400.00	7,294.64	19,419.90	9,299.22	81.66	84.79	179.05	-9,911.78	-1,634.14	2,004.85	1,838.99	165.86	12.087	
17,500.00	7,295.48	19,519.90	9,299.23	82.37	85.48	179.06	-10,011.77	-1,634.76	2,004.02	1,836.61	167.41	11.971	
17,600.00	7,296.31	19,619.89	9,299.24	83.09	86.18	179.08	-10,111.77	-1,635.39	2,003.19	1,834.23	168.96	11.856	
17,700.00	7,297.15	19,719.89	9,299.26	83.80	86.87	179.09	-10,211.76	-1,636.01	2,002.36	1,831.85	170.51	11.743	
17,800.00	7,297.99	19,819.88	9,299.27	84.52	87.57	179.11	-10,311.75	-1,636.63	2,001.53	1,829.46	172.06	11.632	
17,900.00	7,298.83	19,919.88	9,299.29	85.24	88.27	179.12	-10,411.74	-1,637.25	2,000.69	1,827.08	173.62	11.524	
18,000.00	7,299.66	20,019.87	9,299.30	85.96	88.96	179.14	-10,511.74	-1,637.88	1,999.86	1,824.69	175.17	11.417	
18,100.00	7,300.50	20,119.87	9,299.32	86.68	89.66	179.16	-10,611.73	-1,638.50	1,999.03	1,822.31	176.72	11.312	
18,200.00	7,301.34	20,219.86	9,299.33	87.40	90.37	179.18	-10,711.72	-1,639.12	1,998.20	1,819.92	178.28	11.208	
18,300.00	7,302.18	20,319.86	9,299.35	88.12	91.07	179.19	-10,811.72	-1,639.75	1,997.37	1,817.53	179.83	11.107	
18,400.00	7,303.01	20,419.85	9,299.36	88.85	91.77	179.21	-10,911.71	-1,640.37	1,996.53	1,815.15	181.39	11.007	
18,500.00	7,303.85	20,519.85	9,299.37	89.57	92.48	179.23	-11,011.70	-1,640.99	1,995.70	1,812.76	182.94	10.909	
18,600.00	7,304.69	20,619.84	9,299.39	90.29	93.18	179.25	-11,111.69	-1,641.61	1,994.87	1,810.37	184.50	10.812	
18,700.00	7,305.53	20,719.84	9,299.40	91.02	93.89	179.26	-11,211.69	-1,642.24	1,994.04	1,807.99	186.05	10.718	
18,800.00	7,306.37	20,819.83	9,299.42	91.74	94.59	179.28	-11,311.68	-1,642.86	1,993.21	1,805.60	187.61	10.624	
18,900.00	7,307.20	20,919.82	9,299.43	92.47	95.30	179.30	-11,411.67	-1,643.48	1,992.38	1,803.21	189.17	10.532	
19,000.00	7,308.04	21,019.82	9,299.45	93.20	96.01	179.32	-11,511.66	-1,644.11	1,991.55	1,800.83	190.72	10.442	
19,100.00	7,308.88	21,119.81	9,299.46	93.92	96.72	179.34	-11,611.66	-1,644.73	1,990.72	1,798.44	192.28	10.353	
19,200.00	7,309.72	21,219.81	9,299.48	94.65	97.43	179.35	-11,711.65	-1,645.35	1,989.89	1,796.05	193.84	10.266	
19,300.00	7,310.55	21,319.80	9,299.49	95.38	98.14	179.37	-11,811.64	-1,645.97	1,989.06	1,793.66	195.39	10.180	
19,400.00	7,311.39	21,419.80	9,299.51	96.11	98.85	179.39	-11,911.64	-1,646.60	1,988.23	1,791.27	196.95	10.095	
19,500.00	7,312.23	21,519.79	9,299.52	96.84	99.57	179.41	-12,011.63	-1,647.22	1,987.40	1,788.89	198.51	10.012	
19,600.00	7,313.07	21,619.79	9,299.53	97.57	100.28	179.42	-12,111.62	-1,647.84	1,986.57	1,786.50	200.07	9.929	
19,700.00	7,313.90	21,719.78	9,299.55	98.30	100.99	179.44	-12,211.61	-1,648.47	1,985.74	1,784.11	201.63	9.848	
19,800.00	7,314.74	21,819.78	9,299.56	99.03	101.71	179.46	-12,311.61	-1,649.09	1,984.91	1,781.72	203.19	9.769	
19,900.00	7,315.58	21,919.77	9,299.58	99.76	102.42	179.48	-12,411.60	-1,649.71	1,984.08	1,779.33	204.75	9.690	
20,000.00	7,316.42	22,019.77	9,299.59	100.49	103.14	179.49	-12,511.59	-1,650.33	1,983.25	1,776.95	206.31	9.613	
20,100.00	7,317.25	22,119.76	9,299.61	101.23	103.86	179.51	-12,611.58	-1,650.96	1,982.42	1,774.56	207.87	9.537	
20,200.00	7,318.09	22,219.76	9,299.62	101.96	104.57	179.53	-12,711.58	-1,651.58	1,981.60	1,772.17	209.43	9.462	
20,300.00	7,318.93	22,319.75	9,299.64	102.69	105.29	179.55	-12,811.57	-1,652.20	1,980.77	1,769.78	210.99	9.388	
20,400.00	7,319.77	22,419.74	9,299.65	103.43	106.01	179.57	-12,911.56	-1,652.83	1,979.94	1,767.39	212.55	9.315	
20,500.00	7,320.61	22,519.74	9,299.66	104.16	106.73	179.58	-13,011.56	-1,653.45	1,979.11	1,765.00	214.11	9.243	
20,600.00	7,321.44	22,619.73	9,299.68	104.89	107.45	179.60	-13,111.55	-1,654.07	1,978.28	1,762.61	215.67	9.173	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,700.00	7,322.28	22,719.73	9,299.69	105.63	108.17	179.62	-13,211.54	-1,654.69	1,977.46	1,760.23	217.23	9.103	
20,800.00	7,323.12	22,819.72	9,299.71	106.37	108.89	179.64	-13,311.53	-1,655.32	1,976.63	1,757.84	218.79	9.034	
20,900.00	7,323.96	22,919.72	9,299.72	107.10	109.62	179.65	-13,411.53	-1,655.94	1,975.80	1,755.45	220.35	8.966	
21,000.00	7,324.79	23,019.71	9,299.74	107.84	110.34	179.67	-13,511.52	-1,656.56	1,974.98	1,753.06	221.92	8.900	
21,100.00	7,325.63	23,119.71	9,299.75	108.57	111.06	179.69	-13,611.51	-1,657.18	1,974.15	1,750.67	223.48	8.834	
21,200.00	7,326.47	23,219.70	9,299.77	109.31	111.79	179.71	-13,711.50	-1,657.81	1,973.32	1,748.28	225.04	8.769	
21,300.00	7,327.31	23,319.70	9,299.78	110.05	112.51	179.73	-13,811.50	-1,658.43	1,972.50	1,745.89	226.60	8.705	
21,400.00	7,328.14	23,419.69	9,299.80	110.79	113.24	179.74	-13,911.49	-1,659.05	1,971.67	1,743.50	228.17	8.641	
21,500.00	7,328.98	23,519.69	9,299.81	111.52	113.96	179.76	-14,011.48	-1,659.68	1,970.84	1,741.12	229.73	8.579	
21,600.00	7,329.82	23,619.68	9,299.82	112.26	114.69	179.78	-14,111.48	-1,660.30	1,970.02	1,738.73	231.29	8.517	
21,700.00	7,330.66	23,719.68	9,299.84	113.00	115.41	179.80	-14,211.47	-1,660.92	1,969.19	1,736.34	232.86	8.457	
21,800.00	7,331.50	23,819.67	9,299.85	113.74	116.14	179.82	-14,311.46	-1,661.54	1,968.37	1,733.95	234.42	8.397	
21,900.00	7,332.33	23,919.66	9,299.87	114.48	116.87	179.83	-14,411.45	-1,662.17	1,967.54	1,731.56	235.98	8.338	
22,000.00	7,333.17	24,019.66	9,299.88	115.22	117.59	179.85	-14,511.45	-1,662.79	1,966.72	1,729.17	237.55	8.279	
22,100.00	7,334.01	24,119.65	9,299.90	115.96	118.32	179.87	-14,611.44	-1,663.41	1,965.89	1,726.78	239.11	8.222	
22,200.00	7,334.85	24,219.65	9,299.91	116.70	119.05	179.89	-14,711.43	-1,664.04	1,965.07	1,724.39	240.67	8.165	
22,300.00	7,335.68	24,319.64	9,299.93	117.44	119.78	179.91	-14,811.43	-1,664.66	1,964.24	1,722.01	242.24	8.109	
22,400.00	7,336.52	24,419.64	9,299.94	118.18	120.51	179.92	-14,911.42	-1,665.28	1,963.42	1,719.62	243.80	8.053	
22,500.00	7,337.36	24,519.63	9,299.95	118.92	121.24	179.94	-15,011.41	-1,665.90	1,962.60	1,717.23	245.37	7.999	
22,600.00	7,338.20	24,619.63	9,299.97	119.66	121.97	179.96	-15,111.40	-1,666.53	1,961.77	1,714.84	246.93	7.945	
22,700.00	7,339.03	24,719.62	9,299.98	120.41	122.70	179.98	-15,211.40	-1,667.15	1,960.95	1,712.45	248.50	7.891	
22,800.00	7,339.87	24,819.62	9,300.00	121.15	123.43	180.00	-15,311.39	-1,667.77	1,960.13	1,710.06	250.06	7.839	
22,815.35	7,340.00	24,834.96	9,300.00	121.26	123.54	180.00	-15,326.74	-1,667.87	1,960.00	1,709.70	250.30	7.831	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.00	0.10	0.00	0.00	6.71	155.18	18.27	156.25				
100.00	100.00	99.90	100.00	0.28	0.28	6.71	155.18	18.27	156.25	155.70	0.55	283.182	
200.00	200.00	199.90	200.00	0.63	0.63	6.71	155.18	18.27	156.25	154.98	1.27	123.166	
300.00	300.00	299.90	300.00	0.99	0.99	6.71	155.18	18.27	156.25	154.27	1.99	78.693	
400.00	400.00	399.90	400.00	1.35	1.35	6.71	155.18	18.27	156.25	153.55	2.70	57.817	
500.00	500.00	499.90	500.00	1.71	1.71	6.71	155.18	18.27	156.25	152.83	3.42	45.695	
600.00	600.00	599.90	600.00	2.07	2.07	6.71	155.18	18.27	156.25	152.12	4.14	37.775	
700.00	700.00	699.90	700.00	2.43	2.43	6.71	155.18	18.27	156.25	151.40	4.85	32.195	
800.00	800.00	799.90	800.00	2.79	2.78	6.71	155.18	18.27	156.25	150.68	5.57	28.051	
900.00	900.00	899.90	900.00	3.14	3.14	6.71	155.18	18.27	156.25	149.96	6.29	24.852	
1,000.00	1,000.00	999.90	1,000.00	3.50	3.50	6.71	155.18	18.27	156.25	149.25	7.00	22.308	
1,100.00	1,100.00	1,099.90	1,100.00	3.86	3.86	6.71	155.18	18.27	156.25	148.53	7.72	20.237	
1,200.00	1,200.00	1,199.90	1,200.00	4.22	4.22	6.71	155.18	18.27	156.25	147.81	8.44	18.517	CC
1,300.00	1,299.98	1,298.64	1,298.72	4.57	4.57	83.94	155.77	16.68	156.47	147.33	9.14	17.122	
1,400.00	1,399.84	1,397.37	1,397.31	4.92	4.91	83.99	157.54	11.90	157.13	147.30	9.83	15.985	ES
1,500.00	1,499.45	1,496.10	1,495.67	5.27	5.26	84.08	160.48	3.93	158.23	147.70	10.53	15.033	
1,600.00	1,598.70	1,594.83	1,593.68	5.62	5.61	84.20	164.60	-7.21	159.76	148.54	11.22	14.234	
1,700.00	1,697.47	1,694.76	1,692.66	5.98	5.96	84.93	169.39	-20.14	161.37	149.44	11.93	13.522	
1,800.00	1,795.62	1,794.59	1,791.53	6.33	6.32	86.87	174.17	-33.06	162.78	150.13	12.65	12.869	
1,900.00	1,893.06	1,894.17	1,890.16	6.70	6.68	89.98	178.94	-45.95	164.34	150.97	13.37	12.295	
2,000.00	1,989.72	1,993.41	1,988.45	7.06	7.03	94.10	183.69	-58.80	166.59	152.50	14.09	11.827	
2,100.00	2,086.22	2,092.58	2,086.66	7.43	7.39	98.32	188.44	-71.63	169.79	154.98	14.81	11.466	
2,200.00	2,182.72	2,191.74	2,184.88	7.80	7.75	102.37	193.19	-84.47	173.89	158.35	15.53	11.196	
2,300.00	2,279.23	2,290.91	2,283.10	8.18	8.11	106.21	197.93	-97.31	178.82	162.56	16.25	11.001	
2,400.00	2,375.73	2,390.08	2,381.32	8.56	8.47	109.84	202.68	-110.14	184.52	167.54	16.98	10.867	
2,500.00	2,472.23	2,489.24	2,479.53	8.94	8.83	113.24	207.43	-122.98	190.93	173.22	17.71	10.783	
2,600.00	2,568.74	2,588.41	2,577.75	9.32	9.19	116.41	212.18	-135.81	197.96	179.53	18.43	10.739	
2,700.00	2,665.24	2,687.58	2,675.97	9.70	9.55	119.36	216.93	-148.65	205.57	186.40	19.16	10.727	
2,800.00	2,761.74	2,786.74	2,774.19	10.09	9.91	122.09	221.67	-161.49	213.68	193.78	19.89	10.740	
2,900.00	2,858.25	2,885.91	2,872.40	10.47	10.28	124.62	226.42	-174.32	222.24	201.61	20.63	10.774	
3,000.00	2,954.75	2,985.07	2,970.62	10.86	10.64	126.96	231.17	-187.16	231.20	209.84	21.36	10.823	
3,100.00	3,051.25	3,084.24	3,068.84	11.25	11.00	129.12	235.92	-199.99	240.52	218.43	22.10	10.885	
3,200.00	3,147.75	3,183.41	3,167.06	11.64	11.37	131.12	240.67	-212.83	250.16	227.32	22.83	10.955	
3,300.00	3,244.26	3,282.57	3,265.27	12.03	11.73	132.97	245.42	-225.67	260.08	236.50	23.57	11.032	
3,400.00	3,340.76	3,381.74	3,363.49	12.42	12.09	134.69	250.16	-238.50	270.25	245.93	24.31	11.115	
3,500.00	3,437.26	3,480.91	3,461.71	12.82	12.46	136.27	254.91	-251.34	280.64	255.58	25.06	11.200	
3,600.00	3,533.77	3,580.07	3,559.93	13.21	12.82	137.75	259.66	-264.17	291.23	265.43	25.80	11.288	
3,700.00	3,630.27	3,679.24	3,658.14	13.60	13.19	139.12	264.41	-277.01	302.00	275.45	26.55	11.377	
3,800.00	3,726.77	3,778.41	3,756.36	14.00	13.55	140.40	269.16	-289.85	312.93	285.64	27.29	11.466	
3,900.00	3,823.28	3,877.57	3,854.58	14.39	13.92	141.59	273.90	-302.68	324.00	295.96	28.04	11.555	
4,000.00	3,919.78	3,976.74	3,952.80	14.79	14.28	142.70	278.65	-315.52	335.21	306.42	28.79	11.644	
4,100.00	4,016.28	4,075.90	4,051.01	15.18	14.65	143.74	283.40	-328.35	346.53	316.99	29.54	11.732	
4,200.00	4,112.78	4,175.07	4,149.23	15.58	15.01	144.71	288.15	-341.19	357.95	327.66	30.29	11.818	
4,300.00	4,209.29	4,274.24	4,247.45	15.97	15.38	145.63	292.90	-354.03	369.47	338.43	31.04	11.903	
4,400.00	4,305.79	4,373.40	4,345.67	16.37	15.74	146.48	297.65	-366.86	381.08	349.29	31.79	11.987	
4,500.00	4,402.29	4,472.57	4,443.88	16.77	16.11	147.29	302.39	-379.70	392.77	360.23	32.54	12.069	
4,600.00	4,498.80	4,571.74	4,542.10	17.17	16.48	148.05	307.14	-392.53	404.53	371.23	33.30	12.149	
4,700.00	4,595.30	4,667.23	4,636.70	17.56	16.83	148.76	311.65	-404.73	416.52	382.48	34.04	12.238	
4,800.00	4,691.80	4,755.72	4,724.64	17.96	17.15	149.56	315.07	-413.98	430.50	395.78	34.73	12.397	
4,900.00	4,788.31	4,843.29	4,811.92	18.36	17.47	150.52	317.53	-420.63	447.02	411.63	35.39	12.631	
5,000.00	4,884.81	4,929.82	4,898.33	18.76	17.78	151.60	319.05	-424.73	466.11	430.08	36.02	12.939	
5,100.00	4,981.31	5,015.14	4,983.64	19.16	18.08	152.76	319.66	-426.39	487.80	451.18	36.63	13.319	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,109.32	5,077.81	19.55	18.40	154.06	319.68	-426.43	511.36	474.05	37.31	13.704	
5,300.00	5,174.32	5,205.82	5,174.32	19.95	18.74	155.28	319.68	-426.43	535.21	497.18	38.03	14.073	
5,400.00	5,270.82	5,302.33	5,270.82	20.35	19.07	156.40	319.68	-426.43	559.26	520.52	38.75	14.434	
5,500.00	5,367.32	5,398.83	5,367.32	20.75	19.41	157.42	319.68	-426.43	583.51	544.04	39.47	14.785	
5,600.00	5,463.83	5,495.33	5,463.83	21.15	19.74	158.37	319.68	-426.43	607.91	567.73	40.18	15.128	
5,700.00	5,560.33	5,591.84	5,560.33	21.55	20.08	159.24	319.68	-426.43	632.47	591.56	40.90	15.462	
5,800.00	5,656.83	5,688.34	5,656.83	21.95	20.41	160.05	319.68	-426.43	657.15	615.52	41.63	15.787	
5,900.00	5,753.34	5,784.84	5,753.34	22.35	20.75	160.80	319.68	-426.43	681.94	639.59	42.35	16.103	
6,000.00	5,849.84	5,881.35	5,849.84	22.75	21.09	161.49	319.68	-426.43	706.84	663.77	43.07	16.411	
6,100.00	5,946.34	5,977.85	5,946.34	23.15	21.43	162.14	319.68	-426.43	731.83	688.03	43.79	16.710	
6,200.00	6,042.85	6,074.35	6,042.85	23.55	21.76	162.75	319.68	-426.43	756.90	712.38	44.52	17.002	
6,300.00	6,139.35	6,170.85	6,139.35	23.95	22.10	163.32	319.68	-426.43	782.04	736.80	45.24	17.285	
6,400.00	6,235.85	6,267.36	6,235.85	24.35	22.44	163.85	319.68	-426.43	807.26	761.29	45.97	17.561	
6,500.00	6,332.35	6,363.86	6,332.35	24.75	22.78	164.35	319.68	-426.43	832.54	785.84	46.70	17.829	
6,600.00	6,428.86	6,460.36	6,428.86	25.15	23.12	164.82	319.68	-426.43	857.87	810.45	47.42	18.090	
6,700.00	6,525.36	6,556.87	6,525.36	25.55	23.45	165.26	319.68	-426.43	883.25	835.10	48.15	18.344	
6,800.00	6,621.86	6,653.37	6,621.86	25.95	23.79	165.68	319.68	-426.43	908.68	859.81	48.88	18.591	
6,900.00	6,718.31	6,749.82	6,718.31	26.35	24.13	-162.98	319.68	-426.43	934.70	885.10	49.60	18.844	
7,000.00	6,812.98	6,844.49	6,812.98	26.72	24.46	-136.69	319.68	-426.43	962.06	911.76	50.30	19.126	
7,100.00	6,903.02	6,934.52	6,903.02	27.06	24.78	-122.79	319.68	-426.43	990.81	939.85	50.95	19.446	
7,200.00	6,985.68	7,017.19	6,985.68	27.35	25.07	-115.05	319.68	-426.43	1,021.55	970.01	51.54	19.820	
7,300.00	7,058.46	7,089.96	7,058.46	27.60	25.33	-110.08	319.68	-426.43	1,055.25	1,003.19	52.05	20.272	
7,400.00	7,119.14	7,150.65	7,119.14	27.80	25.54	-106.13	319.68	-426.43	1,092.81	1,040.34	52.47	20.826	
7,500.00	7,165.89	7,197.39	7,165.89	27.97	25.71	-102.19	319.68	-426.43	1,134.85	1,082.07	52.78	21.501	
7,600.00	7,197.27	7,228.78	7,197.27	28.12	25.82	-97.68	319.68	-426.43	1,181.41	1,128.44	52.97	22.304	
7,700.00	7,212.34	7,243.85	7,212.34	28.27	25.87	-92.35	319.68	-426.43	1,231.83	1,178.81	53.03	23.230	
7,800.00	7,214.21	7,245.71	7,214.21	28.43	25.88	-90.33	319.68	-426.43	1,285.67	1,232.68	52.99	24.264	
7,900.00	7,215.05	7,246.55	7,215.05	28.59	25.88	-90.37	319.68	-426.43	1,344.59	1,291.64	52.95	25.396	
8,000.00	7,215.88	7,247.39	7,215.88	28.77	25.88	-90.40	319.68	-426.43	1,407.59	1,354.68	52.90	26.606	
8,100.00	7,216.72	7,248.23	7,216.72	28.96	25.89	-90.41	319.68	-426.43	1,472.27	1,419.41	52.87	27.848	
8,200.00	7,217.56	7,249.07	7,217.56	29.16	25.89	-90.43	319.68	-426.43	1,538.24	1,485.41	52.83	29.115	
8,300.00	7,218.40	7,249.90	7,218.40	29.36	25.89	-90.47	319.68	-426.43	1,606.84	1,554.03	52.81	30.427	
8,400.00	7,219.24	9,541.42	8,503.95	29.58	31.39	-142.54	-919.29	-581.69	1,618.43	1,566.93	51.51	31.422	
8,500.00	7,220.07	9,641.41	8,503.92	29.81	31.59	-142.55	-1,019.28	-582.31	1,617.17	1,564.86	52.31	30.913	
8,600.00	7,220.91	9,741.40	8,503.89	30.06	31.82	-142.56	-1,119.27	-582.93	1,615.90	1,562.75	53.15	30.401	
8,700.00	7,221.75	9,841.39	8,503.86	30.32	32.05	-142.56	-1,219.26	-583.55	1,614.64	1,560.61	54.02	29.887	
8,800.00	7,222.59	9,941.38	8,503.84	30.60	32.31	-142.57	-1,319.25	-584.17	1,613.37	1,558.45	54.93	29.373	
8,900.00	7,223.42	10,041.38	8,503.81	30.89	32.58	-142.58	-1,419.24	-584.79	1,612.11	1,556.25	55.86	28.862	
9,000.00	7,224.26	10,141.37	8,503.78	31.19	32.87	-142.59	-1,519.23	-585.41	1,610.84	1,554.03	56.81	28.353	
9,100.00	7,225.10	10,241.36	8,503.76	31.51	33.17	-142.60	-1,619.22	-586.03	1,609.58	1,551.78	57.80	27.849	
9,200.00	7,225.94	10,341.35	8,503.73	31.84	33.48	-142.61	-1,719.21	-586.65	1,608.31	1,549.51	58.81	27.350	
9,300.00	7,226.78	10,441.34	8,503.70	32.19	33.81	-142.61	-1,819.20	-587.27	1,607.05	1,547.21	59.84	26.857	
9,400.00	7,227.61	10,541.34	8,503.68	32.55	34.15	-142.62	-1,919.19	-587.89	1,605.79	1,544.90	60.89	26.372	
9,500.00	7,228.45	10,641.33	8,503.65	32.92	34.51	-142.63	-2,019.18	-588.51	1,604.52	1,542.56	61.96	25.894	
9,600.00	7,229.29	10,741.32	8,503.62	33.30	34.88	-142.64	-2,119.17	-589.13	1,603.26	1,540.20	63.06	25.424	
9,700.00	7,230.13	10,841.31	8,503.60	33.70	35.26	-142.65	-2,219.16	-589.75	1,601.99	1,537.82	64.17	24.964	
9,800.00	7,230.96	10,941.30	8,503.57	34.11	35.66	-142.66	-2,319.15	-590.37	1,600.73	1,535.42	65.31	24.512	
9,900.00	7,231.80	11,041.29	8,503.54	34.52	36.06	-142.66	-2,419.14	-590.99	1,599.46	1,533.01	66.45	24.069	
10,000.00	7,232.64	11,141.29	8,503.52	34.96	36.48	-142.67	-2,519.13	-591.61	1,598.20	1,530.58	67.62	23.635	
10,100.00	7,233.48	11,241.28	8,503.49	35.40	36.91	-142.68	-2,619.12	-592.23	1,596.93	1,528.13	68.80	23.211	
10,200.00	7,234.32	11,341.27	8,503.46	35.85	37.35	-142.69	-2,719.11	-592.85	1,595.67	1,525.67	70.00	22.797	
10,300.00	7,235.15	11,441.26	8,503.44	36.31	37.80	-142.70	-2,819.10	-593.47	1,594.41	1,523.20	71.20	22.392	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,400.00	7,235.99	11,541.25	8,503.41	36.78	38.26	-142.71	-2,919.09	-594.09	1,593.14	1,520.71	72.43	21.997	
10,500.00	7,236.83	11,641.24	8,503.38	37.27	38.73	-142.71	-3,019.08	-594.71	1,591.88	1,518.21	73.66	21.611	
10,600.00	7,237.67	11,741.24	8,503.36	37.76	39.20	-142.72	-3,119.07	-595.33	1,590.61	1,515.70	74.91	21.234	
10,700.00	7,238.50	11,841.23	8,503.33	38.26	39.69	-142.73	-3,219.06	-595.95	1,589.35	1,513.18	76.17	20.867	
10,800.00	7,239.34	11,941.22	8,503.30	38.76	40.19	-142.74	-3,319.05	-596.57	1,588.08	1,510.65	77.44	20.508	
10,900.00	7,240.18	12,041.21	8,503.28	39.28	40.69	-142.75	-3,419.04	-597.19	1,586.82	1,508.10	78.71	20.159	
11,000.00	7,241.02	12,141.20	8,503.25	39.80	41.20	-142.76	-3,519.03	-597.81	1,585.56	1,505.55	80.00	19.818	
11,100.00	7,241.86	12,241.19	8,503.22	40.34	41.72	-142.76	-3,619.02	-598.43	1,584.29	1,502.99	81.30	19.486	
11,200.00	7,242.69	12,341.19	8,503.20	40.87	42.25	-142.77	-3,719.00	-599.05	1,583.03	1,500.42	82.61	19.163	
11,300.00	7,243.53	12,441.18	8,503.17	41.42	42.79	-142.78	-3,818.99	-599.67	1,581.76	1,497.84	83.93	18.847	
11,400.00	7,244.37	12,541.17	8,503.14	41.97	43.33	-142.79	-3,918.98	-600.29	1,580.50	1,495.25	85.25	18.540	
11,500.00	7,245.21	12,641.16	8,503.12	42.53	43.87	-142.80	-4,018.97	-600.91	1,579.24	1,492.65	86.58	18.240	
11,600.00	7,246.04	12,741.15	8,503.09	43.10	44.43	-142.81	-4,118.96	-601.53	1,577.97	1,490.05	87.92	17.948	
11,700.00	7,246.88	12,841.15	8,503.06	43.67	44.99	-142.82	-4,218.95	-602.15	1,576.71	1,487.44	89.27	17.663	
11,800.00	7,247.72	12,941.14	8,503.04	44.25	45.56	-142.82	-4,318.94	-602.77	1,575.44	1,484.83	90.62	17.386	
11,900.00	7,248.56	13,041.13	8,503.01	44.83	46.13	-142.83	-4,418.93	-603.39	1,574.18	1,482.20	91.98	17.115	
12,000.00	7,249.39	13,141.12	8,502.98	45.42	46.71	-142.84	-4,518.92	-604.01	1,572.92	1,479.57	93.34	16.851	
12,100.00	7,250.23	13,241.11	8,502.96	46.01	47.29	-142.85	-4,618.91	-604.63	1,571.65	1,476.94	94.71	16.594	
12,200.00	7,251.07	13,341.10	8,502.93	46.61	47.88	-142.86	-4,718.90	-605.25	1,570.39	1,474.30	96.09	16.343	
12,300.00	7,251.91	13,441.10	8,502.90	47.21	48.47	-142.87	-4,818.89	-605.87	1,569.13	1,471.65	97.47	16.098	
12,400.00	7,252.75	13,541.09	8,502.88	47.82	49.07	-142.87	-4,918.88	-606.49	1,568.03	1,469.17	98.86	15.861	
12,500.00	7,253.58	13,641.08	8,502.85	48.43	49.67	-142.84	-5,018.88	-607.11	1,567.53	1,467.27	100.26	15.635	
12,600.00	7,254.42	13,741.08	8,502.82	49.05	50.28	-142.81	-5,118.87	-607.73	1,567.02	1,465.36	101.66	15.414	
12,700.00	7,255.26	13,841.08	8,502.80	49.67	50.89	-142.78	-5,218.87	-608.35	1,566.52	1,463.45	103.07	15.199	
12,800.00	7,256.10	13,941.07	8,502.77	50.30	51.50	-142.76	-5,318.86	-608.97	1,566.02	1,461.54	104.48	14.989	
12,900.00	7,256.93	14,041.07	8,502.74	50.93	52.12	-142.73	-5,418.85	-609.59	1,565.52	1,459.62	105.90	14.784	
13,000.00	7,257.77	14,141.06	8,502.72	51.56	52.75	-142.70	-5,518.85	-610.21	1,565.02	1,457.70	107.32	14.583	
13,100.00	7,258.61	14,241.06	8,502.69	52.19	53.37	-142.67	-5,618.84	-610.83	1,564.51	1,455.78	108.74	14.388	
13,200.00	7,259.45	14,341.06	8,502.66	52.83	54.00	-142.64	-5,718.83	-611.45	1,564.01	1,453.85	110.16	14.197	
13,300.00	7,260.29	14,441.05	8,502.64	53.48	54.64	-142.62	-5,818.83	-612.07	1,563.51	1,451.92	111.59	14.011	
13,400.00	7,261.12	14,541.05	8,502.61	54.12	55.27	-142.59	-5,918.82	-612.69	1,563.01	1,449.99	113.03	13.829	
13,500.00	7,261.96	14,641.04	8,502.58	54.77	55.91	-142.56	-6,018.82	-613.31	1,562.51	1,448.05	114.46	13.651	
13,600.00	7,262.80	14,741.04	8,502.56	55.42	56.55	-142.53	-6,118.81	-613.93	1,562.01	1,446.11	115.90	13.477	
13,700.00	7,263.64	14,841.03	8,502.53	56.08	57.20	-142.50	-6,218.80	-614.55	1,561.52	1,444.17	117.34	13.307	
13,800.00	7,264.47	14,941.03	8,502.50	56.74	57.85	-142.48	-6,318.80	-615.17	1,561.02	1,442.23	118.79	13.141	
13,900.00	7,265.31	15,041.03	8,502.48	57.40	58.50	-142.45	-6,418.79	-615.79	1,560.52	1,440.29	120.23	12.979	
14,000.00	7,266.15	15,141.02	8,502.45	58.06	59.16	-142.42	-6,518.79	-616.41	1,560.02	1,438.34	121.68	12.820	
14,100.00	7,266.99	15,241.02	8,502.42	58.73	59.81	-142.39	-6,618.78	-617.03	1,559.52	1,436.39	123.14	12.665	
14,200.00	7,267.82	15,341.01	8,502.40	59.39	60.47	-142.36	-6,718.77	-617.65	1,559.03	1,434.44	124.59	12.513	
14,300.00	7,268.66	15,441.01	8,502.37	60.06	61.13	-142.33	-6,818.77	-618.27	1,558.53	1,432.48	126.05	12.365	
14,400.00	7,269.50	15,541.00	8,502.34	60.74	61.80	-142.31	-6,918.76	-618.89	1,558.03	1,430.53	127.51	12.219	
14,500.00	7,270.34	15,641.00	8,502.32	61.41	62.47	-142.28	-7,018.76	-619.51	1,557.54	1,428.57	128.97	12.077	
14,600.00	7,271.18	15,741.00	8,502.29	62.09	63.13	-142.25	-7,118.75	-620.13	1,557.04	1,426.61	130.43	11.938	
14,700.00	7,272.01	15,840.99	8,502.26	62.76	63.81	-142.22	-7,218.74	-620.75	1,556.55	1,424.65	131.89	11.802	
14,800.00	7,272.85	15,940.99	8,502.24	63.44	64.48	-142.19	-7,318.74	-621.37	1,556.05	1,422.69	133.36	11.668	
14,900.00	7,273.69	16,040.98	8,502.21	64.13	65.15	-142.16	-7,418.73	-621.99	1,555.56	1,420.73	134.83	11.537	
15,000.00	7,274.53	16,140.98	8,502.18	64.81	65.83	-142.13	-7,518.72	-622.61	1,555.07	1,418.77	136.30	11.409	
15,100.00	7,275.36	16,240.97	8,502.16	65.50	66.51	-142.10	-7,618.72	-623.23	1,554.61	1,416.84	137.77	11.284	
15,200.00	7,276.20	16,340.97	8,502.13	66.18	67.19	-142.07	-7,718.71	-623.85	1,554.16	1,414.92	139.25	11.161	
15,300.00	7,277.04	16,440.97	8,502.10	66.87	67.87	-142.04	-7,818.71	-624.47	1,553.72	1,412.99	140.72	11.041	
15,400.00	7,277.88	16,540.96	8,502.08	67.56	68.56	-142.01	-7,918.70	-625.09	1,553.27	1,411.07	142.20	10.923	
15,500.00	7,278.72	16,640.96	8,502.05	68.26	69.24	-141.98	-8,018.69	-625.71	1,552.82	1,409.14	143.68	10.808	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,600.00	7,279.55	16,740.95	8,502.02	68.95	69.93	-141.95	-8,118.69	-626.33	1,552.37	1,407.21	145.16	10.694	
15,700.00	7,280.39	16,840.95	8,502.00	69.65	70.62	-141.92	-8,218.68	-626.95	1,551.92	1,405.28	146.64	10.583	
15,800.00	7,281.23	16,940.94	8,501.97	70.34	71.31	-141.89	-8,318.67	-627.57	1,551.48	1,403.35	148.12	10.474	
15,900.00	7,282.07	17,040.94	8,501.94	71.04	72.00	-141.86	-8,418.67	-628.19	1,551.03	1,401.42	149.61	10.367	
16,000.00	7,282.91	17,140.93	8,501.92	71.74	72.70	-141.83	-8,518.66	-628.81	1,550.58	1,399.49	151.09	10.262	
16,100.00	7,283.74	17,240.93	8,501.89	72.44	73.39	-141.80	-8,618.65	-629.43	1,550.14	1,397.56	152.58	10.160	
16,200.00	7,284.58	17,340.93	8,501.86	73.14	74.09	-141.77	-8,718.65	-630.05	1,549.69	1,395.63	154.07	10.059	
16,300.00	7,285.42	17,440.92	8,501.84	73.85	74.79	-141.74	-8,818.64	-630.67	1,549.25	1,393.69	155.56	9.959	
16,400.00	7,286.26	17,540.92	8,501.81	74.55	75.48	-141.71	-8,918.64	-631.29	1,548.80	1,391.76	157.05	9.862	
16,500.00	7,287.10	17,640.91	8,501.78	75.26	76.18	-141.67	-9,018.63	-631.91	1,548.36	1,389.82	158.54	9.766	
16,600.00	7,287.93	17,740.91	8,501.76	75.96	76.89	-141.64	-9,118.62	-632.53	1,547.92	1,387.89	160.03	9.673	
16,700.00	7,288.77	17,840.90	8,501.73	76.67	77.59	-141.61	-9,218.62	-633.15	1,547.47	1,385.95	161.52	9.580	
16,800.00	7,289.61	17,940.90	8,501.70	77.38	78.29	-141.58	-9,318.61	-633.77	1,547.03	1,384.01	163.02	9.490	
16,900.00	7,290.45	18,040.89	8,501.68	78.09	79.00	-141.55	-9,418.60	-634.40	1,546.59	1,382.08	164.51	9.401	
17,000.00	7,291.29	18,140.89	8,501.65	78.80	79.70	-141.52	-9,518.60	-635.02	1,546.15	1,380.14	166.01	9.314	
17,100.00	7,292.12	18,240.89	8,501.62	79.51	80.41	-141.49	-9,618.59	-635.64	1,545.71	1,378.20	167.51	9.228	
17,200.00	7,292.96	18,340.88	8,501.60	80.23	81.12	-141.46	-9,718.58	-636.26	1,545.27	1,376.26	169.01	9.143	
17,300.00	7,293.80	18,440.88	8,501.57	80.94	81.83	-141.43	-9,818.58	-636.88	1,544.83	1,374.32	170.50	9.060	
17,400.00	7,294.64	18,540.87	8,501.54	81.66	82.54	-141.40	-9,918.57	-637.50	1,544.39	1,372.38	172.00	8.979	
17,500.00	7,295.48	18,640.87	8,501.52	82.37	83.25	-141.37	-10,018.57	-638.12	1,543.95	1,370.44	173.51	8.899	
17,600.00	7,296.31	18,740.86	8,501.49	83.09	83.96	-141.33	-10,118.56	-638.74	1,543.51	1,368.50	175.01	8.820	
17,700.00	7,297.15	18,840.86	8,501.46	83.80	84.67	-141.30	-10,218.55	-639.36	1,543.16	1,366.65	176.51	8.743	
17,800.00	7,297.99	18,940.85	8,501.44	84.52	85.39	-141.26	-10,318.54	-639.98	1,542.88	1,364.86	178.01	8.667	
17,900.00	7,298.83	19,040.85	8,501.41	85.24	86.10	-141.22	-10,418.54	-640.60	1,542.59	1,363.08	179.52	8.593	
18,000.00	7,299.66	19,140.84	8,501.38	85.96	86.82	-141.19	-10,518.53	-641.22	1,542.31	1,361.29	181.02	8.520	
18,100.00	7,300.50	19,240.84	8,501.36	86.68	87.53	-141.15	-10,618.52	-641.84	1,542.03	1,359.50	182.53	8.448	
18,200.00	7,301.34	19,340.83	8,501.33	87.40	88.25	-141.11	-10,718.51	-642.46	1,541.75	1,357.72	184.03	8.378	
18,300.00	7,302.18	19,440.82	8,501.30	88.12	88.97	-141.07	-10,818.51	-643.08	1,541.47	1,355.93	185.54	8.308	
18,400.00	7,303.01	19,540.82	8,501.28	88.85	89.69	-141.03	-10,918.50	-643.70	1,541.19	1,354.14	187.05	8.240	
18,500.00	7,303.85	19,640.81	8,501.25	89.57	90.41	-140.99	-11,018.49	-644.32	1,540.91	1,352.36	188.55	8.172	
18,600.00	7,304.69	19,740.81	8,501.22	90.29	91.13	-140.96	-11,118.48	-644.94	1,540.63	1,350.57	190.06	8.106	
18,700.00	7,305.53	19,840.80	8,501.20	91.02	91.85	-140.92	-11,218.48	-645.56	1,540.35	1,348.78	191.57	8.041	
18,800.00	7,306.37	19,940.80	8,501.17	91.74	92.57	-140.88	-11,318.47	-646.18	1,540.08	1,347.00	193.08	7.976	
18,900.00	7,307.20	20,040.79	8,501.14	92.47	93.29	-140.84	-11,418.46	-646.80	1,539.80	1,345.21	194.59	7.913	
19,000.00	7,308.04	20,140.78	8,501.12	93.20	94.02	-140.80	-11,518.45	-647.42	1,539.53	1,343.43	196.10	7.851	
19,100.00	7,308.88	20,240.78	8,501.09	93.92	94.74	-140.76	-11,618.45	-648.04	1,539.25	1,341.64	197.61	7.789	
19,200.00	7,309.72	20,340.77	8,501.06	94.65	95.46	-140.73	-11,718.44	-648.66	1,538.98	1,339.85	199.12	7.729	
19,300.00	7,310.55	20,440.77	8,501.04	95.38	96.19	-140.69	-11,818.43	-649.28	1,538.70	1,338.07	200.63	7.669	
19,400.00	7,311.39	20,540.76	8,501.01	96.11	96.91	-140.65	-11,918.42	-649.90	1,538.43	1,336.28	202.15	7.610	
19,500.00	7,312.23	20,640.76	8,500.98	96.84	97.64	-140.61	-12,018.41	-650.52	1,538.16	1,334.50	203.66	7.553	
19,600.00	7,313.07	20,740.75	8,500.96	97.57	98.37	-140.57	-12,118.41	-651.14	1,537.89	1,332.71	205.17	7.496	
19,700.00	7,313.90	20,840.74	8,500.93	98.30	99.09	-140.53	-12,218.40	-651.76	1,537.62	1,330.93	206.69	7.439	
19,800.00	7,314.74	20,940.74	8,500.90	99.03	99.82	-140.50	-12,318.39	-652.38	1,537.35	1,329.15	208.20	7.384	
19,900.00	7,315.58	21,040.73	8,500.88	99.76	100.55	-140.46	-12,418.38	-653.00	1,537.08	1,327.36	209.72	7.329	
20,000.00	7,316.42	21,140.73	8,500.85	100.49	101.28	-140.42	-12,518.38	-653.62	1,536.81	1,325.58	211.23	7.275	
20,100.00	7,317.25	21,240.72	8,500.82	101.23	102.01	-140.38	-12,618.37	-654.24	1,536.54	1,323.79	212.75	7.222	
20,200.00	7,318.09	21,340.72	8,500.80	101.96	102.74	-140.34	-12,718.36	-654.86	1,536.27	1,322.01	214.26	7.170	
20,300.00	7,318.93	21,440.71	8,500.77	102.69	103.47	-140.30	-12,818.35	-655.48	1,536.01	1,320.23	215.78	7.118	
20,400.00	7,319.77	21,540.70	8,500.74	103.43	104.20	-140.26	-12,918.35	-656.10	1,535.74	1,318.45	217.29	7.068	
20,500.00	7,320.61	21,640.70	8,500.72	104.16	104.93	-140.23	-13,018.34	-656.72	1,535.48	1,316.67	218.81	7.017	
20,600.00	7,321.44	21,740.69	8,500.69	104.89	105.66	-140.19	-13,118.33	-657.34	1,535.21	1,314.88	220.33	6.968	
20,700.00	7,322.28	21,840.69	8,500.66	105.63	106.39	-140.15	-13,218.32	-657.96	1,534.95	1,313.10	221.85	6.919	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,800.00	7,323.12	21,940.68	8,500.64	106.37	107.13	-140.11	-13,318.32	-658.58	1,534.69	1,311.32	223.36	6.871	
20,900.00	7,323.96	22,040.68	8,500.61	107.10	107.86	-140.07	-13,418.31	-659.20	1,534.42	1,309.54	224.88	6.823	
21,000.00	7,324.79	22,140.67	8,500.58	107.84	108.59	-140.03	-13,518.30	-659.82	1,534.16	1,307.76	226.40	6.776	
21,100.00	7,325.63	22,240.67	8,500.56	108.57	109.33	-139.99	-13,618.29	-660.44	1,533.90	1,305.98	227.92	6.730	
21,200.00	7,326.47	22,340.66	8,500.53	109.31	110.06	-139.96	-13,718.29	-661.06	1,533.64	1,304.20	229.44	6.684	
21,300.00	7,327.31	22,440.65	8,500.50	110.05	110.80	-139.92	-13,818.28	-661.68	1,533.38	1,302.42	230.96	6.639	
21,400.00	7,328.14	22,540.65	8,500.48	110.79	111.53	-139.88	-13,918.27	-662.30	1,533.12	1,300.64	232.48	6.595	
21,500.00	7,328.98	22,640.64	8,500.45	111.52	112.27	-139.84	-14,018.26	-662.92	1,532.86	1,298.87	234.00	6.551	
21,600.00	7,329.82	22,740.64	8,500.42	112.26	113.00	-139.80	-14,118.25	-663.54	1,532.61	1,297.09	235.52	6.507	
21,700.00	7,330.66	22,840.63	8,500.40	113.00	113.74	-139.76	-14,218.25	-664.16	1,532.35	1,295.31	237.04	6.465	
21,800.00	7,331.50	22,940.63	8,500.37	113.74	114.48	-139.72	-14,318.24	-664.78	1,532.09	1,293.54	238.56	6.422	
21,900.00	7,332.33	23,040.62	8,500.34	114.48	115.21	-139.68	-14,418.23	-665.40	1,531.84	1,291.76	240.08	6.381	
22,000.00	7,333.17	23,140.61	8,500.32	115.22	115.95	-139.65	-14,518.22	-666.02	1,531.58	1,289.98	241.60	6.339	
22,100.00	7,334.01	23,240.61	8,500.29	115.96	116.69	-139.61	-14,618.22	-666.64	1,531.33	1,288.21	243.12	6.299	
22,200.00	7,334.85	23,340.60	8,500.26	116.70	117.43	-139.57	-14,718.21	-667.26	1,531.08	1,286.43	244.64	6.258	
22,300.00	7,335.68	23,440.60	8,500.24	117.44	118.17	-139.53	-14,818.20	-667.88	1,530.82	1,284.66	246.17	6.219	
22,400.00	7,336.52	23,540.59	8,500.21	118.18	118.90	-139.49	-14,918.19	-668.50	1,530.57	1,282.89	247.69	6.179	
22,500.00	7,337.36	23,640.59	8,500.18	118.92	119.64	-139.45	-15,018.19	-669.12	1,530.32	1,281.11	249.21	6.141	
22,600.00	7,338.20	23,740.58	8,500.16	119.66	120.38	-139.41	-15,118.18	-669.74	1,530.07	1,279.34	250.73	6.102	
22,700.00	7,339.03	23,840.57	8,500.13	120.41	121.12	-139.37	-15,218.17	-670.36	1,529.82	1,277.57	252.25	6.065	
22,800.00	7,339.87	23,940.57	8,500.10	121.15	121.86	-139.34	-15,318.16	-670.98	1,529.57	1,275.79	253.78	6.027	
22,813.71	7,339.99	23,950.55	8,500.10	121.25	121.94	-139.33	-15,328.14	-671.04	1,529.54	1,275.61	253.93	6.023	
22,815.35	7,340.00	23,950.55	8,500.10	121.26	121.94	-139.33	-15,328.14	-671.04	1,529.54	1,275.61	253.93	6.023	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.00	0.00	0.00	0.00	89.36	0.45	39.99	39.99				
100.00	100.00	100.00	100.00	0.28	0.28	89.36	0.45	39.99	39.99	39.44	0.55	72.444	
200.00	200.00	200.00	200.00	0.63	0.63	89.36	0.45	39.99	39.99	38.72	1.27	31.515	
300.00	300.00	300.00	300.00	0.99	0.99	89.36	0.45	39.99	39.99	38.01	1.99	20.138	
400.00	400.00	400.00	400.00	1.35	1.35	89.36	0.45	39.99	39.99	37.29	2.70	14.796	
500.00	500.00	500.00	500.00	1.71	1.71	89.36	0.45	39.99	39.99	36.57	3.42	11.694	
600.00	600.00	600.00	600.00	2.07	2.07	89.36	0.45	39.99	39.99	35.86	4.14	9.668	
700.00	700.00	700.00	700.00	2.43	2.43	89.36	0.45	39.99	39.99	35.14	4.85	8.240	
800.00	800.00	800.00	800.00	2.79	2.79	89.36	0.45	39.99	39.99	34.42	5.57	7.179	
900.00	900.00	900.00	900.00	3.14	3.14	89.36	0.45	39.99	39.99	33.70	6.29	6.361	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	89.36	0.45	39.99	39.99	32.99	7.00	5.710	
1,100.00	1,100.00	1,100.00	1,100.00	3.86	3.86	89.36	0.45	39.99	39.99	32.27	7.72	5.179	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	89.36	0.45	39.99	39.99	31.55	8.44	4.739	CC, ES
1,300.00	1,299.98	1,299.98	1,299.98	4.57	4.58	167.11	0.45	39.99	41.69	32.54	9.15	4.557	SF
1,400.00	1,399.84	1,399.84	1,399.84	4.92	4.94	168.52	0.45	39.99	46.81	36.95	9.85	4.750	
1,500.00	1,499.45	1,499.45	1,499.45	5.27	5.29	170.28	0.45	39.99	55.38	44.82	10.56	5.244	
1,600.00	1,598.70	1,598.70	1,598.70	5.62	5.65	172.00	0.45	39.99	67.42	56.16	11.27	5.985	
1,700.00	1,697.47	1,697.47	1,697.47	5.98	6.00	173.47	0.45	39.99	82.94	70.97	11.97	6.929	
1,800.00	1,795.62	1,795.62	1,795.62	6.33	6.35	174.65	0.45	39.99	101.92	89.25	12.68	8.041	
1,900.00	1,893.06	1,893.06	1,893.06	6.70	6.70	175.58	0.45	39.99	124.34	110.96	13.38	9.295	
2,000.00	1,989.72	1,989.72	1,989.72	7.06	7.05	176.32	0.45	39.99	149.89	135.81	14.08	10.646	
2,100.00	2,086.22	2,090.85	2,090.83	7.43	7.41	176.62	1.44	38.94	174.92	160.13	14.79	11.824	
2,200.00	2,182.72	2,193.91	2,193.76	7.80	7.78	176.25	4.95	35.21	197.09	181.58	15.51	12.707	
2,300.00	2,279.23	2,298.20	2,297.67	8.18	8.15	175.38	11.08	28.70	216.35	200.13	16.23	13.333	
2,400.00	2,375.73	2,403.46	2,402.13	8.56	8.52	174.09	19.89	19.34	232.73	215.79	16.94	13.738	
2,500.00	2,472.23	2,509.42	2,506.74	8.94	8.90	172.43	31.42	7.10	246.30	228.65	17.65	13.952	
2,600.00	2,568.74	2,610.35	2,605.93	9.32	9.25	170.64	44.23	-6.51	257.97	239.59	18.38	14.037	
2,700.00	2,665.24	2,709.38	2,703.21	9.70	9.61	169.01	56.88	-19.96	269.75	250.64	19.11	14.116	
2,800.00	2,761.74	2,808.40	2,800.50	10.09	9.96	167.52	69.54	-33.40	281.74	261.89	19.84	14.198	
2,900.00	2,858.25	2,907.42	2,897.78	10.47	10.32	166.16	82.20	-46.85	293.89	273.31	20.58	14.280	
3,000.00	2,954.75	3,006.45	2,995.07	10.86	10.68	164.90	94.86	-60.30	306.20	284.88	21.32	14.363	
3,100.00	3,051.25	3,105.47	3,092.36	11.25	11.04	163.74	107.52	-73.74	318.65	296.59	22.06	14.444	
3,200.00	3,147.75	3,204.49	3,189.64	11.64	11.40	162.67	120.18	-87.19	331.21	308.41	22.80	14.525	
3,300.00	3,244.26	3,303.52	3,286.93	12.03	11.76	161.67	132.84	-100.63	343.88	320.33	23.55	14.604	
3,400.00	3,340.76	3,402.54	3,384.21	12.42	12.12	160.75	145.50	-114.08	356.64	332.35	24.29	14.681	
3,500.00	3,437.26	3,501.56	3,481.50	12.82	12.48	159.89	158.16	-127.53	369.49	344.45	25.04	14.756	
3,600.00	3,533.77	3,600.59	3,578.79	13.21	12.85	159.09	170.82	-140.97	382.42	356.63	25.79	14.830	
3,700.00	3,630.27	3,699.61	3,676.07	13.60	13.21	158.34	183.48	-154.42	395.41	368.87	26.54	14.901	
3,800.00	3,726.77	3,798.63	3,773.36	14.00	13.57	157.64	196.14	-167.87	408.47	381.18	27.29	14.970	
3,900.00	3,823.28	3,897.66	3,870.64	14.39	13.94	156.98	208.79	-181.31	421.58	393.54	28.04	15.037	
4,000.00	3,919.78	3,996.68	3,967.93	14.79	14.30	156.36	221.45	-194.76	434.75	405.96	28.79	15.101	
4,100.00	4,016.28	4,095.70	4,065.22	15.18	14.67	155.78	234.11	-208.21	447.96	418.42	29.54	15.164	
4,200.00	4,112.78	4,194.73	4,162.50	15.58	15.04	155.23	246.77	-221.65	461.21	430.92	30.29	15.224	
4,300.00	4,209.29	4,293.75	4,259.79	15.97	15.40	154.71	259.43	-235.10	474.51	443.46	31.05	15.283	
4,400.00	4,305.79	4,392.77	4,357.07	16.37	15.77	154.22	272.09	-248.55	487.84	456.04	31.80	15.339	
4,500.00	4,402.29	4,491.80	4,454.36	16.77	16.14	153.76	284.75	-261.99	501.20	468.64	32.56	15.394	
4,600.00	4,498.80	4,582.93	4,544.09	17.17	16.48	153.45	295.65	-273.58	515.27	481.99	33.28	15.484	
4,700.00	4,595.30	4,672.63	4,632.86	17.56	16.81	153.43	304.49	-282.96	531.04	497.06	33.98	15.628	
4,800.00	4,691.80	4,761.77	4,721.43	17.96	17.13	153.65	311.37	-290.27	548.52	513.85	34.67	15.822	
4,900.00	4,788.31	4,850.18	4,809.53	18.36	17.45	154.09	316.34	-295.54	567.71	532.37	35.34	16.064	
5,000.00	4,884.81	4,937.69	4,896.93	18.76	17.76	154.72	319.41	-298.81	588.66	552.67	35.99	16.355	
5,100.00	4,981.31	5,024.17	4,983.38	19.16	18.07	155.51	320.65	-300.12	611.41	574.78	36.63	16.693	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,118.60	5,077.81	19.55	18.40	156.46	320.68	-300.16	635.46	598.13	37.33	17.024	
5,300.00	5,174.32	5,215.10	5,174.32	19.95	18.74	157.37	320.68	-300.16	659.70	621.65	38.05	17.339	
5,400.00	5,270.82	5,311.61	5,270.82	20.35	19.07	158.21	320.68	-300.16	684.09	645.32	38.77	17.646	
5,500.00	5,367.32	5,408.11	5,367.32	20.75	19.41	158.99	320.68	-300.16	708.61	669.12	39.49	17.944	
5,600.00	5,463.83	5,504.61	5,463.83	21.15	19.75	159.72	320.68	-300.16	733.25	693.03	40.21	18.234	
5,700.00	5,560.33	5,601.12	5,560.33	21.55	20.09	160.41	320.68	-300.16	757.99	717.05	40.94	18.516	
5,800.00	5,656.83	5,697.62	5,656.83	21.95	20.43	161.05	320.68	-300.16	782.83	741.17	41.66	18.790	
5,900.00	5,753.34	5,794.12	5,753.34	22.35	20.77	161.65	320.68	-300.16	807.75	765.37	42.39	19.057	
6,000.00	5,849.84	5,890.62	5,849.84	22.75	21.11	162.22	320.68	-300.16	832.76	789.65	43.11	19.316	
6,100.00	5,946.34	5,987.13	5,946.34	23.15	21.45	162.75	320.68	-300.16	857.84	814.00	43.84	19.568	
6,200.00	6,042.85	6,083.63	6,042.85	23.55	21.79	163.25	320.68	-300.16	882.98	838.41	44.57	19.813	
6,300.00	6,139.35	6,180.13	6,139.35	23.95	22.13	163.73	320.68	-300.16	908.18	862.89	45.29	20.051	
6,400.00	6,235.85	6,276.64	6,235.85	24.35	22.47	164.18	320.68	-300.16	933.44	887.42	46.02	20.283	
6,500.00	6,332.35	6,373.14	6,332.35	24.75	22.81	164.60	320.68	-300.16	958.75	912.00	46.75	20.508	
6,600.00	6,428.86	6,469.64	6,428.86	25.15	23.16	165.01	320.68	-300.16	984.11	936.63	47.48	20.727	
6,700.00	6,525.36	6,566.15	6,525.36	25.55	23.50	165.39	320.68	-300.16	1,009.51	961.30	48.21	20.940	
6,800.00	6,621.86	6,662.65	6,621.86	25.95	23.84	165.76	320.68	-300.16	1,034.95	986.01	48.94	21.148	
6,900.00	6,718.31	6,760.70	6,719.89	26.35	24.18	-162.84	319.29	-300.17	1,060.94	1,011.27	49.67	21.360	
7,000.00	6,812.98	6,861.17	6,818.99	26.72	24.48	-135.69	303.58	-300.27	1,087.80	1,037.43	50.37	21.596	
7,100.00	6,903.02	6,962.05	6,914.20	27.06	24.76	-120.25	270.66	-300.47	1,114.69	1,063.67	51.02	21.847	
7,200.00	6,985.68	7,063.67	7,002.79	27.35	25.01	-110.74	221.15	-300.78	1,140.81	1,089.19	51.62	22.102	
7,300.00	7,058.46	7,166.30	7,081.98	27.60	25.21	-104.27	156.07	-301.19	1,165.34	1,113.20	52.14	22.348	
7,400.00	7,119.14	7,270.12	7,148.98	27.80	25.37	-99.61	76.95	-301.69	1,187.54	1,134.94	52.60	22.576	
7,500.00	7,165.89	7,375.16	7,201.14	27.97	25.52	-96.20	-14.04	-302.25	1,206.72	1,153.74	52.98	22.776	
7,600.00	7,197.27	7,481.24	7,236.09	28.12	25.64	-93.78	-114.04	-302.88	1,222.29	1,169.00	53.29	22.939	
7,700.00	7,212.34	7,588.03	7,252.08	28.27	25.73	-92.22	-219.47	-303.54	1,233.75	1,180.25	53.50	23.059	
7,800.00	7,214.21	7,689.65	7,253.61	28.43	25.81	-91.86	-321.06	-304.18	1,241.77	1,188.10	53.67	23.139	
7,900.00	7,215.05	7,789.35	7,254.43	28.59	25.91	-91.85	-420.76	-304.80	1,249.53	1,195.66	53.87	23.197	
8,000.00	7,215.88	7,889.10	7,255.26	28.77	26.03	-91.83	-520.50	-305.42	1,256.55	1,202.44	54.11	23.223	
8,100.00	7,216.72	7,989.02	7,256.09	28.96	26.18	-91.80	-620.42	-306.05	1,260.30	1,205.90	54.39	23.171	
8,200.00	7,217.56	8,089.02	7,256.92	29.16	26.35	-91.78	-720.41	-306.68	1,260.60	1,205.88	54.72	23.039	
8,300.00	7,218.40	8,189.01	7,257.75	29.36	26.53	-91.79	-820.40	-307.30	1,259.64	1,204.56	55.08	22.868	
8,400.00	7,219.24	8,289.01	7,258.58	29.58	26.74	-91.79	-920.39	-307.93	1,258.68	1,203.19	55.49	22.683	
8,500.00	7,220.07	8,389.00	7,259.40	29.81	26.97	-91.79	-1,020.38	-308.55	1,257.73	1,201.79	55.94	22.485	
8,600.00	7,220.91	8,489.00	7,260.23	30.06	27.21	-91.79	-1,120.37	-309.18	1,256.77	1,200.35	56.42	22.275	
8,700.00	7,221.75	8,588.99	7,261.06	30.32	27.48	-91.79	-1,220.36	-309.80	1,255.81	1,198.87	56.94	22.054	
8,800.00	7,222.59	8,688.99	7,261.89	30.60	27.76	-91.79	-1,320.35	-310.43	1,254.85	1,197.35	57.50	21.824	
8,900.00	7,223.42	8,788.98	7,262.72	30.89	28.06	-91.79	-1,420.34	-311.06	1,253.90	1,195.81	58.09	21.585	
9,000.00	7,224.26	8,888.98	7,263.55	31.19	28.38	-91.79	-1,520.33	-311.68	1,252.94	1,194.22	58.72	21.339	
9,100.00	7,225.10	8,988.97	7,264.38	31.51	28.71	-91.79	-1,620.32	-312.31	1,251.98	1,192.61	59.38	21.086	
9,200.00	7,225.94	9,088.97	7,265.21	31.84	29.06	-91.79	-1,720.31	-312.93	1,251.03	1,190.96	60.07	20.827	
9,300.00	7,226.78	9,188.96	7,266.03	32.19	29.43	-91.80	-1,820.30	-313.56	1,250.07	1,189.28	60.79	20.564	
9,400.00	7,227.61	9,288.96	7,266.86	32.55	29.81	-91.80	-1,920.29	-314.18	1,249.11	1,187.57	61.54	20.298	
9,500.00	7,228.45	9,388.96	7,267.69	32.92	30.21	-91.80	-2,020.28	-314.81	1,248.15	1,185.83	62.32	20.028	
9,600.00	7,229.29	9,488.95	7,268.52	33.30	30.62	-91.80	-2,120.27	-315.44	1,247.20	1,184.07	63.13	19.757	
9,700.00	7,230.13	9,588.95	7,269.35	33.70	31.04	-91.80	-2,220.26	-316.06	1,246.24	1,182.28	63.96	19.485	
9,800.00	7,230.96	9,688.94	7,270.18	34.11	31.48	-91.80	-2,320.25	-316.69	1,245.28	1,180.46	64.82	19.212	
9,900.00	7,231.80	9,788.94	7,271.01	34.52	31.93	-91.80	-2,420.24	-317.31	1,244.32	1,178.62	65.70	18.939	
10,000.00	7,232.64	9,888.93	7,271.84	34.96	32.39	-91.80	-2,520.23	-317.94	1,243.37	1,176.76	66.61	18.667	
10,100.00	7,233.48	9,988.93	7,272.67	35.40	32.86	-91.80	-2,620.22	-318.56	1,242.41	1,174.87	67.54	18.396	
10,200.00	7,234.32	10,088.92	7,273.49	35.85	33.34	-91.80	-2,720.21	-319.19	1,241.45	1,172.96	68.49	18.126	
10,300.00	7,235.15	10,188.92	7,274.32	36.31	33.83	-91.81	-2,820.20	-319.82	1,240.50	1,171.04	69.46	17.859	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,400.00	7,235.99	10,288.91	7,275.15	36.78	34.33	-91.81	-2,920.19	-320.44	1,239.54	1,169.09	70.45	17.594	
10,500.00	7,236.83	10,388.91	7,275.98	37.27	34.85	-91.81	-3,020.18	-321.07	1,238.58	1,167.12	71.46	17.332	
10,600.00	7,237.67	10,488.91	7,276.81	37.76	35.37	-91.81	-3,120.17	-321.69	1,237.62	1,165.13	72.49	17.073	
10,700.00	7,238.50	10,588.90	7,277.64	38.26	35.90	-91.81	-3,220.16	-322.32	1,236.67	1,163.13	73.54	16.817	
10,800.00	7,239.34	10,688.90	7,278.47	38.76	36.44	-91.81	-3,320.15	-322.94	1,235.71	1,161.11	74.60	16.564	
10,900.00	7,240.18	10,788.89	7,279.30	39.28	36.98	-91.81	-3,420.14	-323.57	1,234.75	1,159.07	75.68	16.316	
11,000.00	7,241.02	10,888.89	7,280.12	39.80	37.54	-91.81	-3,520.13	-324.20	1,233.80	1,157.02	76.77	16.071	
11,100.00	7,241.86	10,988.88	7,280.95	40.34	38.10	-91.81	-3,620.12	-324.82	1,232.84	1,154.96	77.88	15.829	
11,200.00	7,242.69	11,088.88	7,281.78	40.87	38.66	-91.81	-3,720.11	-325.45	1,231.88	1,152.88	79.01	15.592	
11,300.00	7,243.53	11,188.87	7,282.61	41.42	39.24	-91.81	-3,820.10	-326.07	1,230.92	1,150.78	80.14	15.359	
11,400.00	7,244.37	11,288.87	7,283.44	41.97	39.82	-91.82	-3,920.09	-326.70	1,229.97	1,148.68	81.29	15.130	
11,500.00	7,245.21	11,388.86	7,284.27	42.53	40.41	-91.82	-4,020.08	-327.32	1,229.01	1,146.56	82.45	14.906	
11,600.00	7,246.04	11,488.86	7,285.10	43.10	41.00	-91.82	-4,120.07	-327.95	1,228.05	1,144.43	83.63	14.685	
11,700.00	7,246.88	11,588.85	7,285.93	43.67	41.60	-91.82	-4,220.06	-328.58	1,227.10	1,142.28	84.81	14.468	
11,800.00	7,247.72	11,688.85	7,286.75	44.25	42.20	-91.82	-4,320.05	-329.20	1,226.14	1,140.13	86.01	14.256	
11,900.00	7,248.56	11,788.85	7,287.58	44.83	42.81	-91.82	-4,420.04	-329.83	1,225.18	1,137.97	87.21	14.048	
11,948.15	7,248.96	11,825.27	7,287.89	45.11	43.04	-91.82	-4,456.46	-329.92	1,224.91	1,137.26	87.64	13.976	
12,000.00	7,249.39	11,861.59	7,288.19	45.42	43.26	-91.82	-4,492.78	-329.57	1,225.24	1,137.17	88.06	13.913	
12,100.00	7,250.23	11,931.61	7,288.76	46.01	43.69	-91.82	-4,562.77	-327.60	1,227.73	1,138.88	88.85	13.818	
12,200.00	7,251.07	12,000.00	7,289.33	46.61	44.12	-91.81	-4,631.06	-324.02	1,232.65	1,143.08	89.58	13.761	
12,300.00	7,251.91	12,081.30	7,289.99	47.21	44.62	-91.80	-4,712.12	-317.84	1,239.87	1,149.37	90.50	13.700	
12,400.00	7,252.75	12,180.98	7,290.81	47.82	45.25	-91.80	-4,811.47	-309.77	1,247.90	1,156.16	91.74	13.603	
12,500.00	7,253.58	12,280.57	7,291.63	48.43	45.88	-91.79	-4,910.73	-301.72	1,256.91	1,163.92	92.99	13.517	
12,600.00	7,254.42	12,380.16	7,292.45	49.05	46.52	-91.77	-5,009.99	-293.66	1,265.92	1,171.68	94.25	13.432	
12,700.00	7,255.26	12,479.76	7,293.26	49.67	47.16	-91.76	-5,109.26	-285.61	1,274.93	1,179.42	95.51	13.349	
12,800.00	7,256.10	12,645.43	7,294.62	50.30	48.23	-91.74	-5,274.63	-276.00	1,281.84	1,183.98	97.86	13.099	
12,900.00	7,256.93	12,826.41	7,296.11	50.93	49.41	-91.74	-5,455.57	-276.39	1,282.55	1,182.32	100.23	12.796	
13,000.00	7,257.77	13,002.78	7,297.56	51.56	50.56	-91.75	-5,631.54	-287.76	1,276.96	1,174.67	102.29	12.484	
13,100.00	7,258.61	13,102.42	7,298.38	52.19	51.20	-91.76	-5,730.74	-297.07	1,268.55	1,164.96	103.59	12.246	
13,200.00	7,259.45	13,202.07	7,299.20	52.83	51.85	-91.77	-5,829.95	-306.37	1,260.14	1,155.25	104.89	12.014	
13,300.00	7,260.29	13,301.71	7,300.02	53.48	52.51	-91.78	-5,929.15	-315.68	1,251.72	1,145.52	106.20	11.787	
13,400.00	7,261.12	13,401.36	7,300.83	54.12	53.16	-91.80	-6,028.36	-324.99	1,243.31	1,135.80	107.51	11.564	
13,500.00	7,261.96	13,484.96	7,301.52	54.77	53.71	-91.81	-6,111.62	-332.56	1,235.24	1,126.55	108.69	11.365	
13,600.00	7,262.80	13,554.77	7,302.09	55.42	54.18	-91.81	-6,181.26	-337.33	1,229.34	1,119.62	109.72	11.205	
13,700.00	7,263.64	13,624.75	7,302.67	56.08	54.65	-91.81	-6,251.16	-340.40	1,225.87	1,115.17	110.70	11.074	
13,800.00	7,264.47	13,697.81	7,303.28	56.74	55.14	-91.82	-6,324.21	-341.79	1,224.85	1,113.17	111.68	10.967	
13,800.61	7,264.48	13,697.81	7,303.28	56.74	55.14	-91.82	-6,324.21	-341.79	1,224.85	1,113.17	111.68	10.968	
13,900.00	7,265.31	13,793.50	7,304.07	57.40	55.79	-91.81	-6,419.90	-342.39	1,225.14	1,112.18	112.96	10.845	
14,000.00	7,266.15	13,893.50	7,304.90	58.06	56.47	-91.81	-6,519.89	-343.01	1,225.45	1,111.13	114.31	10.720	
14,100.00	7,266.99	13,993.50	7,305.73	58.73	57.15	-91.81	-6,619.89	-343.64	1,225.75	1,110.08	115.67	10.597	
14,200.00	7,267.82	14,093.50	7,306.56	59.39	57.84	-91.81	-6,719.88	-344.26	1,226.05	1,109.02	117.03	10.477	
14,300.00	7,268.66	14,193.50	7,307.39	60.06	58.52	-91.81	-6,819.88	-344.89	1,226.35	1,107.96	118.39	10.358	
14,400.00	7,269.50	14,293.50	7,308.22	60.74	59.21	-91.81	-6,919.87	-345.52	1,226.65	1,106.90	119.76	10.243	
14,500.00	7,270.34	14,393.50	7,309.05	61.41	59.90	-91.81	-7,019.86	-346.14	1,226.96	1,105.83	121.13	10.129	
14,600.00	7,271.18	14,493.50	7,309.88	62.09	60.59	-91.81	-7,119.86	-346.77	1,227.26	1,104.75	122.50	10.018	
14,700.00	7,272.01	14,593.50	7,310.71	62.76	61.28	-91.81	-7,219.85	-347.39	1,227.56	1,103.68	123.88	9.909	
14,800.00	7,272.85	14,693.50	7,311.54	63.44	61.98	-91.81	-7,319.85	-348.02	1,227.86	1,102.60	125.26	9.802	
14,900.00	7,273.69	14,793.50	7,312.37	64.13	62.68	-91.81	-7,419.84	-348.64	1,228.16	1,101.52	126.65	9.697	
15,000.00	7,274.53	14,893.50	7,313.20	64.81	63.37	-91.81	-7,519.83	-349.27	1,228.47	1,100.43	128.04	9.595	
15,100.00	7,275.36	14,993.50	7,314.03	65.50	64.07	-91.81	-7,619.83	-349.89	1,228.84	1,099.41	129.43	9.494	
15,200.00	7,276.20	15,093.50	7,314.86	66.18	64.77	-91.80	-7,719.82	-350.52	1,229.21	1,098.39	130.82	9.396	
15,300.00	7,277.04	15,193.50	7,315.69	66.87	65.48	-91.80	-7,819.82	-351.14	1,229.58	1,097.36	132.22	9.299	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,400.00	7,277.88	15,293.50	7,316.52	67.56	66.18	-91.80	-7,919.81	-351.77	1,229.95	1,096.33	133.62	9.205	
15,500.00	7,278.72	15,393.50	7,317.35	68.26	66.89	-91.80	-8,019.80	-352.39	1,230.33	1,095.30	135.02	9.112	
15,600.00	7,279.55	15,493.49	7,318.18	68.95	67.59	-91.80	-8,119.80	-353.02	1,230.70	1,094.27	136.43	9.021	
15,700.00	7,280.39	15,593.49	7,319.01	69.65	68.30	-91.80	-8,219.79	-353.64	1,231.07	1,093.23	137.84	8.931	
15,800.00	7,281.23	15,693.49	7,319.84	70.34	69.01	-91.80	-8,319.79	-354.27	1,231.45	1,092.20	139.25	8.843	
15,900.00	7,282.07	15,793.49	7,320.67	71.04	69.72	-91.80	-8,419.78	-354.89	1,231.82	1,091.16	140.66	8.757	
16,000.00	7,282.91	15,893.49	7,321.50	71.74	70.43	-91.80	-8,519.77	-355.52	1,232.19	1,090.11	142.08	8.673	
16,100.00	7,283.74	15,993.49	7,322.33	72.44	71.14	-91.80	-8,619.77	-356.14	1,232.57	1,089.07	143.50	8.589	
16,200.00	7,284.58	16,093.49	7,323.16	73.14	71.86	-91.79	-8,719.76	-356.77	1,232.94	1,088.02	144.92	8.508	
16,300.00	7,285.42	16,193.49	7,323.99	73.85	72.57	-91.79	-8,819.76	-357.39	1,233.31	1,086.97	146.34	8.428	
16,400.00	7,286.26	16,293.49	7,324.82	74.55	73.29	-91.79	-8,919.75	-358.02	1,233.68	1,085.92	147.76	8.349	
16,500.00	7,287.10	16,393.49	7,325.65	75.26	74.00	-91.79	-9,019.74	-358.64	1,234.06	1,084.87	149.19	8.272	
16,600.00	7,287.93	16,493.49	7,326.48	75.96	74.72	-91.79	-9,119.74	-359.27	1,234.43	1,083.81	150.62	8.196	
16,700.00	7,288.77	16,593.49	7,327.31	76.67	75.44	-91.79	-9,219.73	-359.90	1,234.80	1,082.75	152.05	8.121	
16,800.00	7,289.61	16,693.49	7,328.14	77.38	76.16	-91.79	-9,319.72	-360.52	1,235.18	1,081.69	153.48	8.048	
16,900.00	7,290.45	16,793.49	7,328.97	78.09	76.88	-91.79	-9,419.72	-361.15	1,235.55	1,080.63	154.92	7.976	
17,000.00	7,291.29	16,893.48	7,329.80	78.80	77.60	-91.79	-9,519.71	-361.77	1,235.92	1,079.57	156.35	7.905	
17,100.00	7,292.12	16,993.48	7,330.63	79.51	78.32	-91.79	-9,619.71	-362.40	1,236.30	1,078.50	157.79	7.835	
17,200.00	7,292.96	17,093.48	7,331.46	80.23	79.05	-91.79	-9,719.70	-363.02	1,236.67	1,077.44	159.23	7.766	
17,300.00	7,293.80	17,193.48	7,332.29	80.94	79.77	-91.78	-9,819.69	-363.65	1,237.04	1,076.37	160.67	7.699	
17,400.00	7,294.64	17,293.48	7,333.12	81.66	80.49	-91.78	-9,919.69	-364.27	1,237.41	1,075.30	162.12	7.633	
17,500.00	7,295.48	17,393.48	7,333.95	82.37	81.22	-91.78	-10,019.68	-364.90	1,237.79	1,074.23	163.56	7.568	
17,600.00	7,296.31	17,493.48	7,334.78	83.09	81.94	-91.78	-10,119.68	-365.52	1,238.16	1,073.15	165.01	7.504	
17,700.00	7,297.15	17,593.48	7,335.61	83.80	82.67	-91.78	-10,219.67	-366.15	1,238.68	1,072.23	166.45	7.442	
17,800.00	7,297.99	17,693.48	7,336.43	84.52	83.40	-91.78	-10,319.66	-366.77	1,239.30	1,071.40	167.90	7.381	
17,900.00	7,298.83	17,793.48	7,337.26	85.24	84.12	-91.78	-10,419.65	-367.40	1,239.92	1,070.56	169.35	7.322	
18,000.00	7,299.66	17,893.47	7,338.09	85.96	84.85	-91.78	-10,519.65	-368.02	1,240.53	1,069.73	170.80	7.263	
18,100.00	7,300.50	17,993.47	7,338.92	86.68	85.58	-91.78	-10,619.64	-368.65	1,241.15	1,068.90	172.25	7.205	
18,200.00	7,301.34	18,093.47	7,339.75	87.40	86.31	-91.78	-10,719.63	-369.27	1,241.77	1,068.06	173.71	7.149	
18,300.00	7,302.18	18,193.47	7,340.58	88.12	87.04	-91.77	-10,819.63	-369.90	1,242.39	1,067.23	175.16	7.093	
18,400.00	7,303.01	18,293.47	7,341.41	88.85	87.77	-91.77	-10,919.62	-370.52	1,243.01	1,066.39	176.62	7.038	
18,500.00	7,303.85	18,393.46	7,342.24	89.57	88.50	-91.77	-11,019.61	-371.15	1,243.63	1,065.55	178.08	6.984	
18,600.00	7,304.69	18,493.46	7,343.07	90.29	89.24	-91.77	-11,119.60	-371.77	1,244.25	1,064.71	179.54	6.930	
18,700.00	7,305.53	18,593.46	7,343.90	91.02	89.97	-91.77	-11,219.60	-372.40	1,244.87	1,063.87	181.00	6.878	
18,800.00	7,306.37	18,693.46	7,344.73	91.74	90.70	-91.77	-11,319.59	-373.02	1,245.48	1,063.03	182.46	6.826	
18,900.00	7,307.20	18,793.46	7,345.56	92.47	91.43	-91.77	-11,419.58	-373.65	1,246.10	1,062.18	183.92	6.775	
19,000.00	7,308.04	18,893.45	7,346.39	93.20	92.17	-91.77	-11,519.57	-374.28	1,246.72	1,061.34	185.38	6.725	
19,100.00	7,308.88	18,993.45	7,347.22	93.92	92.90	-91.76	-11,619.57	-374.90	1,247.34	1,060.49	186.85	6.676	
19,200.00	7,309.72	19,093.45	7,348.05	94.65	93.64	-91.76	-11,719.56	-375.53	1,247.96	1,059.65	188.31	6.627	
19,300.00	7,310.55	19,193.45	7,348.88	95.38	94.37	-91.76	-11,819.55	-376.15	1,248.58	1,058.80	189.78	6.579	
19,400.00	7,311.39	19,293.45	7,349.71	96.11	95.11	-91.76	-11,919.54	-376.78	1,249.20	1,057.95	191.25	6.532	
19,500.00	7,312.23	19,393.44	7,350.54	96.84	95.85	-91.76	-12,019.54	-377.40	1,249.82	1,057.10	192.71	6.485	
19,600.00	7,313.07	19,493.44	7,351.37	97.57	96.58	-91.76	-12,119.53	-378.03	1,250.44	1,056.25	194.18	6.439	
19,700.00	7,313.90	19,593.44	7,352.20	98.30	97.32	-91.76	-12,219.52	-378.65	1,251.05	1,055.40	195.65	6.394	
19,800.00	7,314.74	19,693.44	7,353.03	99.03	98.06	-91.76	-12,319.52	-379.28	1,251.67	1,054.55	197.12	6.350	
19,900.00	7,315.58	19,793.44	7,353.86	99.76	98.80	-91.75	-12,419.51	-379.90	1,252.29	1,053.70	198.60	6.306	
20,000.00	7,316.42	19,893.44	7,354.69	100.49	99.53	-91.75	-12,519.50	-380.53	1,252.91	1,052.84	200.07	6.262	
20,100.00	7,317.25	19,993.43	7,355.52	101.23	100.27	-91.75	-12,619.49	-381.15	1,253.53	1,051.99	201.54	6.220	
20,200.00	7,318.09	20,093.43	7,356.35	101.96	101.01	-91.75	-12,719.49	-381.78	1,254.15	1,051.13	203.02	6.178	
20,300.00	7,318.93	20,193.43	7,357.18	102.69	101.75	-91.75	-12,819.48	-382.40	1,254.77	1,050.28	204.49	6.136	
20,400.00	7,319.77	20,293.43	7,358.01	103.43	102.49	-91.75	-12,919.47	-383.03	1,255.39	1,049.42	205.97	6.095	
20,500.00	7,320.61	20,393.43	7,358.84	104.16	103.23	-91.75	-13,019.46	-383.65	1,256.01	1,048.56	207.44	6.055	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,600.00	7,321.44	20,493.42	7,359.67	104.89	103.97	-91.75	-13,119.46	-384.28	1,256.62	1,047.70	208.92	6.015	
20,700.00	7,322.28	20,593.42	7,360.50	105.63	104.71	-91.75	-13,219.45	-384.90	1,257.24	1,046.84	210.40	5.976	
20,800.00	7,323.12	20,693.42	7,361.33	106.37	105.46	-91.74	-13,319.44	-385.53	1,257.86	1,045.99	211.88	5.937	
20,900.00	7,323.96	20,793.42	7,362.16	107.10	106.20	-91.74	-13,419.44	-386.15	1,258.48	1,045.12	213.36	5.898	
21,000.00	7,324.79	20,893.42	7,362.99	107.84	106.94	-91.74	-13,519.43	-386.78	1,259.10	1,044.26	214.84	5.861	
21,100.00	7,325.63	20,993.41	7,363.82	108.57	107.68	-91.74	-13,619.42	-387.40	1,259.72	1,043.40	216.32	5.823	
21,200.00	7,326.47	21,093.41	7,364.65	109.31	108.42	-91.74	-13,719.41	-388.03	1,260.34	1,042.54	217.80	5.787	
21,300.00	7,327.31	21,193.41	7,365.48	110.05	109.17	-91.74	-13,819.41	-388.65	1,260.96	1,041.68	219.28	5.750	
21,400.00	7,328.14	21,293.41	7,366.31	110.79	109.91	-91.74	-13,919.40	-389.28	1,261.58	1,040.81	220.76	5.715	
21,500.00	7,328.98	21,393.41	7,367.14	111.52	110.65	-91.74	-14,019.39	-389.91	1,262.19	1,039.95	222.25	5.679	
21,600.00	7,329.82	21,493.40	7,367.97	112.26	111.40	-91.73	-14,119.38	-390.53	1,262.81	1,039.08	223.73	5.644	
21,700.00	7,330.66	21,593.40	7,368.80	113.00	112.14	-91.73	-14,219.38	-391.16	1,263.43	1,038.22	225.22	5.610	
21,800.00	7,331.50	21,693.40	7,369.63	113.74	112.89	-91.73	-14,319.37	-391.78	1,264.05	1,037.35	226.70	5.576	
21,900.00	7,332.33	21,793.40	7,370.46	114.48	113.63	-91.73	-14,419.36	-392.41	1,264.67	1,036.48	228.19	5.542	
22,000.00	7,333.17	21,893.40	7,371.29	115.22	114.38	-91.73	-14,519.35	-393.03	1,265.29	1,035.62	229.67	5.509	
22,100.00	7,334.01	21,993.39	7,372.12	115.96	115.12	-91.73	-14,619.35	-393.66	1,265.91	1,034.75	231.16	5.476	
22,200.00	7,334.85	22,093.39	7,372.95	116.70	115.87	-91.73	-14,719.34	-394.28	1,266.53	1,033.88	232.65	5.444	
22,300.00	7,335.68	22,193.39	7,373.78	117.44	116.61	-91.73	-14,819.33	-394.91	1,267.14	1,033.01	234.13	5.412	
22,400.00	7,336.52	22,293.39	7,374.61	118.18	117.36	-91.72	-14,919.33	-395.53	1,267.76	1,032.14	235.62	5.380	
22,500.00	7,337.36	22,393.39	7,375.43	118.92	118.10	-91.72	-15,019.32	-396.16	1,268.38	1,031.27	237.11	5.349	
22,600.00	7,338.20	22,493.39	7,376.26	119.66	118.85	-91.72	-15,119.31	-396.78	1,269.00	1,030.40	238.60	5.319	
22,700.00	7,339.03	22,593.38	7,377.09	120.41	119.60	-91.72	-15,219.30	-397.41	1,269.62	1,029.53	240.09	5.288	
22,800.00	7,339.87	22,693.38	7,377.92	121.15	120.34	-91.72	-15,319.30	-398.03	1,270.24	1,028.66	241.58	5.258	
22,815.35	7,340.00	22,702.53	7,378.00	121.26	120.41	-91.72	-15,328.44	-398.09	1,270.35	1,028.64	241.71	5.256	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 17H - 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	0.00	0.20	0.00	0.00	48.17	35.44	39.60	53.14				
100.00	100.00	99.80	100.00	0.28	0.28	48.17	35.44	39.60	53.14	52.59	0.55	96.361	
200.00	200.00	199.80	200.00	0.63	0.63	48.17	35.44	39.60	53.14	51.87	1.27	41.902	
300.00	300.00	299.80	300.00	0.99	0.99	48.17	35.44	39.60	53.14	51.16	1.99	26.769	
400.00	400.00	399.80	400.00	1.35	1.35	48.17	35.44	39.60	53.14	50.44	2.70	19.667	
500.00	500.00	499.80	500.00	1.71	1.71	48.17	35.44	39.60	53.14	49.72	3.42	15.543	
600.00	600.00	599.80	600.00	2.07	2.07	48.17	35.44	39.60	53.14	49.01	4.14	12.849	
700.00	700.00	699.80	700.00	2.43	2.43	48.17	35.44	39.60	53.14	48.29	4.85	10.951	
800.00	800.00	799.80	800.00	2.79	2.78	48.17	35.44	39.60	53.14	47.57	5.57	9.541	
900.00	900.00	899.80	900.00	3.14	3.14	48.17	35.44	39.60	53.14	46.86	6.29	8.453	
1,000.00	1,000.00	999.80	1,000.00	3.50	3.50	48.17	35.44	39.60	53.14	46.14	7.00	7.588	
1,100.00	1,100.00	1,099.80	1,100.00	3.86	3.86	48.17	35.44	39.60	53.14	45.42	7.72	6.883	
1,200.00	1,200.00	1,199.80	1,200.00	4.22	4.22	48.17	35.44	39.60	53.14	44.71	8.44	6.298	CC, ES
1,300.00	1,299.98	1,299.78	1,299.98	4.57	4.58	126.86	35.44	39.60	54.17	45.02	9.15	5.922	
1,400.00	1,399.84	1,399.64	1,399.84	4.92	4.93	130.99	35.44	39.60	57.47	47.61	9.85	5.832	
1,500.00	1,499.45	1,499.25	1,499.45	5.27	5.29	136.84	35.44	39.60	63.53	52.97	10.56	6.017	
1,600.00	1,598.70	1,598.50	1,598.70	5.62	5.65	143.27	35.44	39.60	72.92	61.65	11.26	6.473	
1,700.00	1,697.47	1,697.27	1,697.47	5.98	6.00	149.36	35.44	39.60	86.00	74.03	11.97	7.185	
1,800.00	1,795.62	1,795.42	1,795.62	6.33	6.35	154.62	35.44	39.60	102.93	90.26	12.67	8.122	
1,900.00	1,893.06	1,892.86	1,893.06	6.70	6.70	158.92	35.44	39.60	123.70	110.32	13.38	9.248	
2,000.00	1,989.72	1,989.52	1,989.72	7.06	7.05	162.39	35.44	39.60	147.96	133.88	14.08	10.511	
2,100.00	2,086.22	2,088.74	2,088.93	7.43	7.40	164.67	36.60	38.86	172.52	157.73	14.79	11.668	
2,200.00	2,182.72	2,189.35	2,189.42	7.80	7.76	165.50	40.72	36.24	195.49	179.99	15.50	12.613	
2,300.00	2,279.23	2,290.67	2,290.37	8.18	8.12	165.34	47.86	31.69	216.70	200.48	16.22	13.362	
2,400.00	2,375.73	2,388.55	2,387.77	8.56	8.47	164.88	56.09	26.44	237.10	220.17	16.93	14.006	
2,500.00	2,472.23	2,486.43	2,485.16	8.94	8.82	164.49	64.33	21.20	257.52	239.87	17.64	14.595	
2,600.00	2,568.74	2,584.31	2,582.55	9.32	9.17	164.16	72.56	15.95	277.94	259.58	18.36	15.137	
2,700.00	2,665.24	2,682.19	2,679.94	9.70	9.52	163.87	80.79	10.71	298.38	279.30	19.08	15.637	
2,800.00	2,761.74	2,780.07	2,777.34	10.09	9.87	163.62	89.02	5.47	318.82	299.01	19.80	16.099	
2,900.00	2,858.25	2,877.95	2,874.73	10.47	10.22	163.40	97.25	0.22	339.26	318.73	20.53	16.527	
3,000.00	2,954.75	2,975.83	2,972.12	10.86	10.57	163.20	105.48	-5.02	359.71	338.46	21.25	16.925	
3,100.00	3,051.25	3,073.71	3,069.51	11.25	10.92	163.03	113.71	-10.27	380.16	358.18	21.98	17.296	
3,200.00	3,147.75	3,171.59	3,166.90	11.64	11.28	162.87	121.94	-15.51	400.62	377.91	22.71	17.641	
3,300.00	3,244.26	3,269.47	3,264.30	12.03	11.63	162.73	130.17	-20.75	421.08	397.64	23.44	17.965	
3,400.00	3,340.76	3,367.35	3,361.69	12.42	11.98	162.61	138.40	-26.00	441.54	417.37	24.17	18.268	
3,500.00	3,437.26	3,465.23	3,459.08	12.82	12.33	162.49	146.63	-31.24	462.00	437.10	24.90	18.553	
3,600.00	3,533.77	3,563.11	3,556.47	13.21	12.69	162.38	154.87	-36.48	482.47	456.83	25.63	18.821	
3,700.00	3,630.27	3,660.99	3,653.86	13.60	13.04	162.28	163.10	-41.73	502.93	476.56	26.37	19.073	
3,800.00	3,726.77	3,758.87	3,751.26	14.00	13.39	162.19	171.33	-46.97	523.40	496.30	27.10	19.312	
3,900.00	3,823.28	3,856.75	3,848.65	14.39	13.74	162.11	179.56	-52.22	543.87	516.03	27.84	19.537	
4,000.00	3,919.78	3,954.63	3,946.04	14.79	14.10	162.03	187.79	-57.46	564.33	535.76	28.57	19.750	
4,100.00	4,016.28	4,052.51	4,043.43	15.18	14.45	161.96	196.02	-62.70	584.81	555.49	29.31	19.952	
4,200.00	4,112.78	4,150.39	4,140.83	15.58	14.81	161.89	204.25	-67.95	605.28	575.23	30.05	20.144	
4,300.00	4,209.29	4,248.27	4,238.22	15.97	15.16	161.83	212.48	-73.19	625.75	594.96	30.79	20.326	
4,400.00	4,305.79	4,346.15	4,335.61	16.37	15.51	161.77	220.71	-78.44	646.22	614.70	31.52	20.499	
4,500.00	4,402.29	4,444.03	4,433.00	16.77	15.87	161.72	228.94	-83.68	666.69	634.43	32.26	20.665	
4,600.00	4,498.80	4,541.91	4,530.39	17.17	16.22	161.66	237.18	-88.92	687.17	654.16	33.00	20.822	
4,700.00	4,595.30	4,639.79	4,627.79	17.56	16.58	161.62	245.41	-94.17	707.64	673.90	33.74	20.973	
4,800.00	4,691.80	4,737.67	4,725.18	17.96	16.93	161.57	253.64	-99.41	728.11	693.63	34.48	21.116	
4,900.00	4,788.31	4,835.55	4,822.57	18.36	17.29	161.53	261.87	-104.66	748.59	713.37	35.22	21.254	
5,000.00	4,884.81	4,933.43	4,919.96	18.76	17.64	161.48	270.10	-109.90	769.06	733.10	35.96	21.385	
5,100.00	4,981.31	5,031.31	5,017.35	19.16	17.99	161.45	278.33	-115.14	789.54	752.84	36.70	21.511	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 17H - 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
5,200.00	5,077.81	5,129.19	5,114.75	19.55	18.35	161.41	286.56	-120.39	810.02	772.57	37.44	21.632	
5,300.00	5,174.32	5,227.07	5,212.14	19.95	18.70	161.37	294.79	-125.63	830.49	792.31	38.19	21.748	
5,400.00	5,270.82	5,324.95	5,309.53	20.35	19.06	161.34	303.02	-130.87	850.97	812.04	38.93	21.860	
5,500.00	5,367.32	5,422.83	5,406.92	20.75	19.41	161.31	311.25	-136.12	871.45	831.78	39.67	21.967	
5,600.00	5,463.83	5,509.49	5,493.25	21.15	19.73	161.34	317.63	-140.18	892.49	852.15	40.34	22.123	
5,700.00	5,560.33	5,600.00	5,583.61	21.55	20.05	161.54	321.94	-142.92	914.88	873.85	41.03	22.295	
5,800.00	5,656.83	5,678.98	5,662.56	21.95	20.33	161.83	323.73	-144.07	938.58	896.94	41.64	22.541	
5,900.00	5,753.34	5,769.76	5,753.34	22.35	20.66	162.28	323.94	-144.20	963.47	921.14	42.32	22.764	
6,000.00	5,849.84	5,866.26	5,849.84	22.75	21.00	162.74	323.94	-144.20	988.55	945.49	43.05	22.961	
6,100.00	5,946.34	5,962.76	5,946.34	23.15	21.34	163.18	323.94	-144.20	1,013.68	969.90	43.78	23.152	
6,200.00	6,042.85	6,059.27	6,042.85	23.55	21.68	163.59	323.94	-144.20	1,038.87	994.36	44.51	23.338	
6,300.00	6,139.35	6,155.77	6,139.35	23.95	22.03	163.99	323.94	-144.20	1,064.11	1,018.87	45.24	23.519	
6,400.00	6,235.85	6,252.27	6,235.85	24.35	22.37	164.37	323.94	-144.20	1,089.40	1,043.42	45.98	23.695	
6,500.00	6,332.35	6,348.77	6,332.35	24.75	22.71	164.73	323.94	-144.20	1,114.73	1,068.02	46.71	23.866	
6,600.00	6,428.86	6,445.28	6,428.86	25.15	23.06	165.08	323.94	-144.20	1,140.10	1,092.66	47.44	24.033	
6,700.00	6,525.36	6,541.78	6,525.36	25.55	23.40	165.41	323.94	-144.20	1,165.50	1,117.33	48.17	24.195	
6,800.00	6,621.86	6,638.28	6,621.86	25.95	23.74	165.73	323.94	-144.20	1,190.94	1,142.04	48.90	24.353	
6,900.00	6,718.31	6,734.73	6,718.31	26.35	24.08	-162.95	323.94	-144.20	1,216.96	1,167.33	49.63	24.519	
7,000.00	6,812.98	6,829.40	6,812.98	26.72	24.42	-136.43	323.94	-144.20	1,244.28	1,193.94	50.34	24.719	
7,100.00	6,903.02	6,919.44	6,903.02	27.06	24.74	-122.15	323.94	-144.20	1,272.76	1,221.77	50.99	24.959	
7,200.00	6,985.68	7,002.10	6,985.68	27.35	25.04	-113.98	323.94	-144.20	1,302.73	1,251.14	51.59	25.252	
7,300.00	7,058.46	7,074.88	7,058.46	27.60	25.29	-108.64	323.94	-144.20	1,334.78	1,282.68	52.10	25.618	
7,400.00	7,119.14	7,346.43	7,321.84	27.80	26.11	-110.36	269.65	-153.48	1,366.24	1,312.75	53.49	25.543	
7,500.00	7,165.89	7,880.71	7,639.28	27.97	27.09	-111.01	-130.57	-221.89	1,375.12	1,321.14	53.98	25.474	
7,600.00	7,197.27	8,049.87	7,665.41	28.12	27.29	-109.56	-295.16	-250.03	1,369.54	1,315.02	54.53	25.117	
7,700.00	7,212.34	8,173.76	7,669.18	28.27	27.42	-109.40	-417.20	-270.73	1,361.07	1,306.08	54.99	24.753	
7,800.00	7,214.21	8,242.74	7,669.13	28.43	27.51	-109.62	-485.44	-280.82	1,354.76	1,299.49	55.27	24.513	
7,900.00	7,215.05	8,300.00	7,669.09	28.59	27.58	-109.63	-542.26	-287.95	1,350.88	1,295.35	55.52	24.329	
8,000.00	7,215.88	8,381.15	7,669.04	28.77	27.70	-109.63	-622.99	-296.10	1,348.42	1,292.56	55.87	24.135	
8,100.00	7,216.72	8,450.42	7,668.99	28.96	27.81	-109.64	-692.07	-301.25	1,345.24	1,289.04	56.19	23.939	
8,200.00	7,217.56	8,519.73	7,668.94	29.16	27.92	-109.67	-761.29	-304.73	1,341.08	1,284.55	56.53	23.724	
8,300.00	7,218.40	8,600.00	7,668.89	29.36	28.07	-109.67	-841.53	-306.67	1,338.07	1,281.15	56.92	23.506	
8,400.00	7,219.24	8,679.55	7,668.83	29.58	28.22	-109.65	-921.09	-307.19	1,336.69	1,279.34	57.34	23.310	
8,500.00	7,220.07	8,779.55	7,668.77	29.81	28.43	-109.63	-1,021.08	-307.82	1,335.48	1,277.59	57.89	23.069	
8,600.00	7,220.91	8,879.54	7,668.70	30.06	28.66	-109.61	-1,121.06	-308.45	1,334.27	1,275.79	58.47	22.819	
8,700.00	7,221.75	8,979.53	7,668.63	30.32	28.91	-109.58	-1,221.05	-309.08	1,333.06	1,273.97	59.09	22.560	
8,800.00	7,222.59	9,079.52	7,668.57	30.60	29.17	-109.56	-1,321.04	-309.71	1,331.85	1,272.11	59.74	22.295	
8,900.00	7,223.42	9,179.51	7,668.50	30.89	29.45	-109.54	-1,421.03	-310.34	1,330.64	1,270.22	60.42	22.024	
9,000.00	7,224.26	9,279.50	7,668.43	31.19	29.75	-109.51	-1,521.02	-310.98	1,329.43	1,268.30	61.13	21.748	
9,100.00	7,225.10	9,379.49	7,668.37	31.51	30.06	-109.49	-1,621.01	-311.61	1,328.22	1,266.35	61.87	21.469	
9,200.00	7,225.94	9,479.48	7,668.30	31.84	30.40	-109.47	-1,721.00	-312.24	1,327.01	1,264.37	62.64	21.186	
9,300.00	7,226.78	9,579.48	7,668.23	32.19	30.74	-109.45	-1,820.99	-312.87	1,325.80	1,262.37	63.43	20.901	
9,400.00	7,227.61	9,679.47	7,668.17	32.55	31.10	-109.42	-1,920.98	-313.50	1,324.59	1,260.34	64.26	20.614	
9,500.00	7,228.45	9,779.46	7,668.10	32.92	31.48	-109.40	-2,020.97	-314.13	1,323.38	1,258.28	65.11	20.327	
9,600.00	7,229.29	9,879.45	7,668.03	33.30	31.87	-109.38	-2,120.96	-314.76	1,322.18	1,256.20	65.98	20.040	
9,700.00	7,230.13	9,979.44	7,667.97	33.70	32.27	-109.35	-2,220.95	-315.39	1,320.97	1,254.09	66.87	19.753	
9,800.00	7,230.96	10,079.43	7,667.90	34.11	32.69	-109.33	-2,320.94	-316.02	1,319.76	1,251.97	67.79	19.467	
9,900.00	7,231.80	10,179.42	7,667.83	34.52	33.11	-109.31	-2,420.93	-316.65	1,318.55	1,249.82	68.74	19.183	
10,000.00	7,232.64	10,279.41	7,667.77	34.96	33.55	-109.28	-2,520.91	-317.28	1,317.34	1,247.65	69.70	18.901	
10,100.00	7,233.48	10,379.41	7,667.70	35.40	34.00	-109.26	-2,620.90	-317.92	1,316.14	1,245.46	70.68	18.621	
10,200.00	7,234.32	10,479.40	7,667.63	35.85	34.47	-109.24	-2,720.89	-318.55	1,314.93	1,243.25	71.68	18.345	
10,300.00	7,235.15	10,579.39	7,667.56	36.31	34.94	-109.21	-2,820.88	-319.18	1,313.72	1,241.02	72.70	18.071	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 17H - 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
10,400.00	7,235.99	10,679.38	7,667.50	36.78	35.42	-109.19	-2,920.87	-319.81	1,312.52	1,238.78	73.74	17.800	
10,500.00	7,236.83	10,779.37	7,667.43	37.27	35.92	-109.17	-3,020.86	-320.44	1,311.31	1,236.52	74.79	17.533	
10,600.00	7,237.67	10,879.36	7,667.36	37.76	36.42	-109.14	-3,120.85	-321.07	1,310.11	1,234.25	75.86	17.270	
10,700.00	7,238.50	10,979.35	7,667.30	38.26	36.93	-109.12	-3,220.84	-321.70	1,308.90	1,231.95	76.94	17.011	
10,800.00	7,239.34	11,079.35	7,667.23	38.76	37.45	-109.10	-3,320.83	-322.33	1,307.69	1,229.65	78.04	16.756	
10,900.00	7,240.18	11,179.34	7,667.16	39.28	37.98	-109.07	-3,420.82	-322.96	1,306.49	1,227.33	79.16	16.505	
11,000.00	7,241.02	11,279.33	7,667.10	39.80	38.51	-109.05	-3,520.81	-323.59	1,305.28	1,225.00	80.29	16.258	
11,100.00	7,241.86	11,379.32	7,667.03	40.34	39.06	-109.02	-3,620.80	-324.22	1,304.08	1,222.65	81.43	16.015	
11,200.00	7,242.69	11,479.31	7,666.96	40.87	39.61	-109.00	-3,720.79	-324.85	1,302.87	1,220.29	82.58	15.777	
11,300.00	7,243.53	11,579.30	7,666.90	41.42	40.17	-108.98	-3,820.78	-325.49	1,301.67	1,217.92	83.75	15.543	
11,400.00	7,244.37	11,679.29	7,666.83	41.97	40.73	-108.95	-3,920.76	-326.12	1,300.46	1,215.54	84.92	15.313	
11,500.00	7,245.21	11,779.28	7,666.76	42.53	41.30	-108.93	-4,020.75	-326.75	1,299.26	1,213.15	86.11	15.088	
11,600.00	7,246.04	11,879.28	7,666.70	43.10	41.88	-108.90	-4,120.74	-327.38	1,298.06	1,210.75	87.31	14.867	
11,700.00	7,246.88	11,979.27	7,666.63	43.67	42.46	-108.88	-4,220.73	-328.01	1,296.85	1,208.33	88.52	14.651	
11,800.00	7,247.72	12,072.65	7,666.57	44.25	43.01	-108.86	-4,314.11	-328.56	1,295.71	1,206.06	89.65	14.453	
11,823.96	7,247.92	12,089.42	7,666.55	44.39	43.11	-108.85	-4,330.89	-328.52	1,295.61	1,205.76	89.85	14.420	
11,900.00	7,248.56	12,142.67	7,666.52	44.83	43.43	-108.82	-4,384.12	-327.76	1,296.17	1,205.70	90.47	14.328	
12,000.00	7,249.39	12,200.00	7,666.48	45.42	43.77	-108.78	-4,441.42	-325.84	1,299.04	1,207.98	91.06	14.266	
12,100.00	7,250.23	12,282.42	7,666.42	46.01	44.26	-108.68	-4,523.70	-321.07	1,304.04	1,212.03	92.00	14.174	
12,200.00	7,251.07	12,371.39	7,666.36	46.61	44.80	-108.55	-4,612.39	-313.98	1,310.96	1,217.90	93.06	14.088	
12,300.00	7,251.91	12,471.09	7,666.29	47.21	45.41	-108.41	-4,711.76	-305.92	1,318.03	1,223.74	94.29	13.978	
12,400.00	7,252.75	12,570.76	7,666.22	47.82	46.02	-108.29	-4,811.10	-297.85	1,325.38	1,229.85	95.53	13.874	
12,500.00	7,253.58	12,670.35	7,666.15	48.43	46.64	-108.13	-4,910.37	-289.80	1,333.67	1,236.89	96.78	13.780	
12,600.00	7,254.42	12,780.12	7,666.08	49.05	47.32	-107.96	-5,019.79	-281.01	1,341.91	1,243.71	98.20	13.665	
12,700.00	7,255.26	12,960.65	7,665.95	49.67	48.46	-107.77	-5,200.14	-273.52	1,346.47	1,245.76	100.71	13.369	
12,800.00	7,256.10	13,141.62	7,665.82	50.30	49.60	-107.73	-5,381.03	-277.43	1,345.02	1,242.01	103.01	13.057	
12,900.00	7,256.93	13,293.00	7,665.72	50.93	50.57	-107.81	-5,531.93	-289.24	1,337.96	1,233.12	104.83	12.763	
13,000.00	7,257.77	13,392.64	7,665.65	51.56	51.20	-107.89	-5,631.14	-298.55	1,329.66	1,223.52	106.15	12.526	
13,100.00	7,258.61	13,492.28	7,665.58	52.19	51.84	-107.96	-5,730.34	-307.86	1,321.38	1,213.91	107.47	12.295	
13,200.00	7,259.45	13,591.92	7,665.51	52.83	52.49	-108.04	-5,829.55	-317.16	1,313.09	1,204.29	108.80	12.069	
13,300.00	7,260.29	13,691.56	7,665.44	53.48	53.13	-108.11	-5,928.75	-326.47	1,304.81	1,194.68	110.13	11.848	
13,400.00	7,261.12	13,765.95	7,665.39	54.12	53.62	-108.16	-6,002.87	-332.82	1,297.34	1,186.12	111.22	11.664	
13,500.00	7,261.96	13,835.82	7,665.34	54.77	54.08	-108.19	-6,072.60	-337.07	1,292.16	1,179.92	112.23	11.513	
13,600.00	7,262.80	13,900.00	7,665.29	55.42	54.50	-108.19	-6,136.74	-339.48	1,289.31	1,176.19	113.12	11.397	
13,700.00	7,263.64	13,983.85	7,665.24	56.08	55.05	-108.16	-6,220.58	-340.58	1,288.67	1,174.43	114.24	11.280	
13,741.21	7,263.98	14,025.06	7,665.21	56.35	55.33	-108.14	-6,261.79	-340.84	1,288.67	1,173.87	114.79	11.226	
13,800.00	7,264.47	14,083.84	7,665.17	56.74	55.72	-108.12	-6,320.57	-341.21	1,288.67	1,173.08	115.59	11.149	
13,900.00	7,265.31	14,183.84	7,665.11	57.40	56.39	-108.07	-6,420.56	-341.84	1,288.67	1,171.73	116.94	11.020	
14,000.00	7,266.15	14,283.83	7,665.04	58.06	57.06	-108.03	-6,520.56	-342.47	1,288.67	1,170.38	118.29	10.894	
14,100.00	7,266.99	14,383.83	7,664.97	58.73	57.73	-107.99	-6,620.55	-343.10	1,288.67	1,169.03	119.65	10.771	
14,200.00	7,267.82	14,483.82	7,664.91	59.39	58.40	-107.95	-6,720.55	-343.73	1,288.68	1,167.67	121.01	10.649	
14,300.00	7,268.66	14,583.82	7,664.84	60.06	59.08	-107.91	-6,820.54	-344.37	1,288.68	1,166.31	122.37	10.531	
14,400.00	7,269.50	14,683.81	7,664.78	60.74	59.76	-107.86	-6,920.53	-345.00	1,288.68	1,164.94	123.74	10.414	
14,500.00	7,270.34	14,783.81	7,664.71	61.41	60.44	-107.82	-7,020.53	-345.63	1,288.69	1,163.57	125.11	10.300	
14,600.00	7,271.18	14,883.81	7,664.64	62.09	61.12	-107.78	-7,120.52	-346.26	1,288.69	1,162.20	126.49	10.188	
14,700.00	7,272.01	14,983.80	7,664.58	62.76	61.81	-107.74	-7,220.51	-346.89	1,288.70	1,160.83	127.87	10.078	
14,800.00	7,272.85	15,083.80	7,664.51	63.44	62.50	-107.69	-7,320.51	-347.52	1,288.71	1,159.46	129.25	9.971	
14,900.00	7,273.69	15,183.79	7,664.44	64.13	63.19	-107.65	-7,420.50	-348.15	1,288.72	1,158.08	130.64	9.865	
15,000.00	7,274.53	15,283.79	7,664.38	64.81	63.88	-107.61	-7,520.49	-348.79	1,288.72	1,156.70	132.02	9.761	
15,100.00	7,275.36	15,383.78	7,664.31	65.50	64.57	-107.57	-7,620.49	-349.42	1,288.80	1,155.38	133.41	9.660	
15,200.00	7,276.20	15,483.78	7,664.24	66.18	65.26	-107.52	-7,720.48	-350.05	1,288.87	1,154.07	134.81	9.561	
15,300.00	7,277.04	15,583.77	7,664.18	66.87	65.96	-107.48	-7,820.47	-350.68	1,288.95	1,152.75	136.20	9.464	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 17H - 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
15,400.00	7,277.88	15,683.77	7,664.11	67.56	66.65	-107.44	-7,920.47	-351.31	1,289.03	1,151.43	137.60	9.368	
15,500.00	7,278.72	15,783.76	7,664.05	68.26	67.35	-107.39	-8,020.46	-351.94	1,289.11	1,150.11	139.00	9.274	
15,600.00	7,279.55	15,883.76	7,663.98	68.95	68.05	-107.35	-8,120.45	-352.57	1,289.19	1,148.79	140.41	9.182	
15,700.00	7,280.39	15,983.75	7,663.91	69.65	68.75	-107.31	-8,220.45	-353.21	1,289.27	1,147.46	141.81	9.091	
15,800.00	7,281.23	16,083.75	7,663.85	70.34	69.46	-107.26	-8,320.44	-353.84	1,289.36	1,146.14	143.22	9.003	
15,900.00	7,282.07	16,183.74	7,663.78	71.04	70.16	-107.22	-8,420.43	-354.47	1,289.44	1,144.81	144.63	8.915	
16,000.00	7,282.91	16,283.74	7,663.71	71.74	70.86	-107.18	-8,520.43	-355.10	1,289.52	1,143.48	146.04	8.830	
16,100.00	7,283.74	16,383.73	7,663.65	72.44	71.57	-107.13	-8,620.42	-355.73	1,289.61	1,142.15	147.46	8.746	
16,200.00	7,284.58	16,483.73	7,663.58	73.14	72.28	-107.09	-8,720.41	-356.36	1,289.69	1,140.82	148.87	8.663	
16,300.00	7,285.42	16,583.73	7,663.52	73.85	72.99	-107.05	-8,820.40	-356.99	1,289.78	1,139.49	150.29	8.582	
16,400.00	7,286.26	16,683.72	7,663.45	74.55	73.70	-107.00	-8,920.40	-357.63	1,289.86	1,138.15	151.71	8.502	
16,500.00	7,287.10	16,783.72	7,663.38	75.26	74.41	-106.96	-9,020.39	-358.26	1,289.95	1,136.82	153.13	8.424	
16,600.00	7,287.93	16,883.71	7,663.32	75.96	75.12	-106.92	-9,120.38	-358.89	1,290.04	1,135.48	154.56	8.347	
16,700.00	7,288.77	16,983.71	7,663.25	76.67	75.83	-106.87	-9,220.38	-359.52	1,290.13	1,134.14	155.98	8.271	
16,800.00	7,289.61	17,083.70	7,663.18	77.38	76.54	-106.83	-9,320.37	-360.15	1,290.22	1,132.80	157.41	8.196	
16,900.00	7,290.45	17,183.70	7,663.12	78.09	77.26	-106.79	-9,420.36	-360.78	1,290.31	1,131.47	158.84	8.123	
17,000.00	7,291.29	17,283.69	7,663.05	78.80	77.98	-106.75	-9,520.36	-361.41	1,290.40	1,130.13	160.27	8.051	
17,100.00	7,292.12	17,383.69	7,662.98	79.51	78.69	-106.70	-9,620.35	-362.05	1,290.49	1,128.78	161.70	7.981	
17,200.00	7,292.96	17,483.68	7,662.92	80.23	79.41	-106.66	-9,720.34	-362.68	1,290.58	1,127.44	163.14	7.911	
17,300.00	7,293.80	17,583.68	7,662.85	80.94	80.13	-106.62	-9,820.34	-363.31	1,290.67	1,126.10	164.57	7.843	
17,400.00	7,294.64	17,683.67	7,662.79	81.66	80.85	-106.57	-9,920.33	-363.94	1,290.77	1,124.76	166.01	7.775	
17,500.00	7,295.48	17,783.67	7,662.72	82.37	81.57	-106.53	-10,020.32	-364.57	1,290.86	1,123.41	167.45	7.709	
17,600.00	7,296.31	17,883.66	7,662.65	83.09	82.29	-106.49	-10,120.32	-365.20	1,290.96	1,122.07	168.89	7.644	
17,700.00	7,297.15	17,983.66	7,662.59	83.80	83.01	-106.44	-10,220.31	-365.83	1,291.19	1,120.86	170.33	7.581	
17,800.00	7,297.99	18,083.65	7,662.52	84.52	83.73	-106.40	-10,320.30	-366.47	1,291.52	1,119.76	171.77	7.519	
17,900.00	7,298.83	18,183.65	7,662.45	85.24	84.45	-106.35	-10,420.29	-367.10	1,291.86	1,118.65	173.21	7.458	
18,000.00	7,299.66	18,283.64	7,662.39	85.96	85.18	-106.30	-10,520.29	-367.73	1,292.19	1,117.54	174.65	7.399	
18,100.00	7,300.50	18,383.63	7,662.32	86.68	85.90	-106.26	-10,620.28	-368.36	1,292.53	1,116.43	176.10	7.340	
18,200.00	7,301.34	18,483.63	7,662.26	87.40	86.63	-106.21	-10,720.27	-368.99	1,292.86	1,115.32	177.55	7.282	
18,300.00	7,302.18	18,583.62	7,662.19	88.12	87.35	-106.17	-10,820.26	-369.62	1,293.20	1,114.21	178.99	7.225	
18,400.00	7,303.01	18,683.62	7,662.12	88.85	88.08	-106.12	-10,920.25	-370.25	1,293.54	1,113.10	180.44	7.169	
18,500.00	7,303.85	18,783.61	7,662.06	89.57	88.81	-106.07	-11,020.25	-370.89	1,293.88	1,111.98	181.89	7.113	
18,600.00	7,304.69	18,883.60	7,661.99	90.29	89.54	-106.03	-11,120.24	-371.52	1,294.21	1,110.87	183.34	7.059	
18,700.00	7,305.53	18,983.60	7,661.92	91.02	90.26	-105.98	-11,220.23	-372.15	1,294.55	1,109.76	184.79	7.005	
18,800.00	7,306.37	19,083.59	7,661.86	91.74	90.99	-105.94	-11,320.22	-372.78	1,294.90	1,108.65	186.25	6.953	
18,900.00	7,307.20	19,183.59	7,661.79	92.47	91.72	-105.89	-11,420.21	-373.41	1,295.24	1,107.54	187.70	6.901	
19,000.00	7,308.04	19,283.58	7,661.73	93.20	92.45	-105.84	-11,520.21	-374.04	1,295.58	1,106.43	189.15	6.849	
19,100.00	7,308.88	19,383.57	7,661.66	93.92	93.18	-105.80	-11,620.20	-374.67	1,295.92	1,105.31	190.61	6.799	
19,200.00	7,309.72	19,483.57	7,661.59	94.65	93.91	-105.75	-11,720.19	-375.31	1,296.27	1,104.20	192.07	6.749	
19,300.00	7,310.55	19,583.56	7,661.53	95.38	94.65	-105.71	-11,820.18	-375.94	1,296.61	1,103.09	193.52	6.700	
19,400.00	7,311.39	19,683.56	7,661.46	96.11	95.38	-105.66	-11,920.17	-376.57	1,296.96	1,101.98	194.98	6.652	
19,500.00	7,312.23	19,783.55	7,661.39	96.84	96.11	-105.62	-12,020.17	-377.20	1,297.31	1,100.87	196.44	6.604	
19,600.00	7,313.07	19,883.54	7,661.33	97.57	96.84	-105.57	-12,120.16	-377.83	1,297.65	1,099.75	197.90	6.557	
19,700.00	7,313.90	19,983.54	7,661.26	98.30	97.58	-105.52	-12,220.15	-378.46	1,298.00	1,098.64	199.36	6.511	
19,800.00	7,314.74	20,083.53	7,661.19	99.03	98.31	-105.48	-12,320.14	-379.09	1,298.35	1,097.53	200.82	6.465	
19,900.00	7,315.58	20,183.53	7,661.13	99.76	99.05	-105.43	-12,420.13	-379.73	1,298.70	1,096.42	202.29	6.420	
20,000.00	7,316.42	20,283.52	7,661.06	100.49	99.78	-105.39	-12,520.13	-380.36	1,299.05	1,095.30	203.75	6.376	
20,100.00	7,317.25	20,383.51	7,661.00	101.23	100.52	-105.34	-12,620.12	-380.99	1,299.40	1,094.19	205.21	6.332	
20,200.00	7,318.09	20,483.51	7,660.93	101.96	101.25	-105.30	-12,720.11	-381.62	1,299.76	1,093.08	206.68	6.289	
20,300.00	7,318.93	20,583.50	7,660.86	102.69	101.99	-105.25	-12,820.10	-382.25	1,300.11	1,091.97	208.14	6.246	
20,400.00	7,319.77	20,683.50	7,660.80	103.43	102.73	-105.21	-12,920.09	-382.88	1,300.46	1,090.86	209.61	6.204	
20,500.00	7,320.61	20,783.49	7,660.73	104.16	103.46	-105.16	-13,020.09	-383.51	1,300.82	1,089.74	211.08	6.163	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 17H - 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	7,321.44	20,883.49	7,660.66	104.89	104.20	-105.11	-13,120.08	-384.15	1,301.18	1,088.63	212.54	6.122	
20,700.00	7,322.28	20,983.48	7,660.60	105.63	104.94	-105.07	-13,220.07	-384.78	1,301.53	1,087.52	214.01	6.082	
20,800.00	7,323.12	21,083.47	7,660.53	106.37	105.68	-105.02	-13,320.06	-385.41	1,301.89	1,086.41	215.48	6.042	
20,900.00	7,323.96	21,183.47	7,660.47	107.10	106.42	-104.98	-13,420.05	-386.04	1,302.25	1,085.30	216.95	6.003	
21,000.00	7,324.79	21,283.46	7,660.40	107.84	107.15	-104.93	-13,520.05	-386.67	1,302.61	1,084.19	218.42	5.964	
21,100.00	7,325.63	21,383.46	7,660.33	108.57	107.89	-104.89	-13,620.04	-387.30	1,302.97	1,083.08	219.89	5.926	
21,200.00	7,326.47	21,483.45	7,660.27	109.31	108.63	-104.84	-13,720.03	-387.93	1,303.33	1,081.97	221.36	5.888	
21,300.00	7,327.31	21,583.44	7,660.20	110.05	109.37	-104.80	-13,820.02	-388.56	1,303.69	1,080.86	222.83	5.850	
21,400.00	7,328.14	21,683.44	7,660.13	110.79	110.11	-104.75	-13,920.01	-389.20	1,304.05	1,079.75	224.31	5.814	
21,500.00	7,328.98	21,783.43	7,660.07	111.52	110.85	-104.71	-14,020.01	-389.83	1,304.42	1,078.64	225.78	5.777	
21,600.00	7,329.82	21,883.43	7,660.00	112.26	111.60	-104.66	-14,120.00	-390.46	1,304.78	1,077.53	227.25	5.742	
21,700.00	7,330.66	21,983.42	7,659.94	113.00	112.34	-104.62	-14,219.99	-391.09	1,305.14	1,076.42	228.73	5.706	
21,800.00	7,331.50	22,083.41	7,659.87	113.74	113.08	-104.57	-14,319.98	-391.72	1,305.51	1,075.31	230.20	5.671	
21,900.00	7,332.33	22,183.41	7,659.80	114.48	113.82	-104.53	-14,419.97	-392.35	1,305.88	1,074.20	231.68	5.637	
22,000.00	7,333.17	22,283.40	7,659.74	115.22	114.56	-104.48	-14,519.97	-392.98	1,306.24	1,073.09	233.15	5.603	
22,100.00	7,334.01	22,383.40	7,659.67	115.96	115.30	-104.44	-14,619.96	-393.62	1,306.61	1,071.98	234.63	5.569	
22,200.00	7,334.85	22,483.39	7,659.60	116.70	116.05	-104.39	-14,719.95	-394.25	1,306.98	1,070.88	236.11	5.536	
22,300.00	7,335.68	22,583.38	7,659.54	117.44	116.79	-104.34	-14,819.94	-394.88	1,307.35	1,069.77	237.58	5.503	
22,400.00	7,336.52	22,683.38	7,659.47	118.18	117.53	-104.30	-14,919.93	-395.51	1,307.72	1,068.66	239.06	5.470	
22,500.00	7,337.36	22,783.37	7,659.40	118.92	118.28	-104.25	-15,019.93	-396.14	1,308.09	1,067.55	240.54	5.438	
22,600.00	7,338.20	22,883.37	7,659.34	119.66	119.02	-104.21	-15,119.92	-396.77	1,308.46	1,066.45	242.02	5.407	
22,700.00	7,339.03	22,983.36	7,659.27	120.41	119.77	-104.17	-15,219.91	-397.40	1,308.84	1,065.34	243.50	5.375	
22,800.00	7,339.87	23,083.35	7,659.21	121.15	120.51	-104.12	-15,319.90	-398.04	1,309.21	1,064.24	244.98	5.344	
22,815.35	7,340.00	23,091.89	7,659.20	121.26	120.57	-104.12	-15,328.44	-398.09	1,309.29	1,064.20	245.09	5.342	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	0.00	0.00	0.00	0.00	29.11	35.22	19.61	40.31				
100.00	100.00	100.00	100.00	0.28	0.28	29.11	35.22	19.61	40.31	39.76	0.55	73.022	
200.00	200.00	200.00	200.00	0.63	0.63	29.11	35.22	19.61	40.31	39.04	1.27	31.766	
300.00	300.00	300.00	300.00	0.99	0.99	29.11	35.22	19.61	40.31	38.33	1.99	20.298	
400.00	400.00	400.00	400.00	1.35	1.35	29.11	35.22	19.61	40.31	37.61	2.70	14.914	
500.00	500.00	500.00	500.00	1.71	1.71	29.11	35.22	19.61	40.31	36.89	3.42	11.788	
600.00	600.00	600.00	600.00	2.07	2.07	29.11	35.22	19.61	40.31	36.17	4.14	9.745	
700.00	700.00	700.00	700.00	2.43	2.43	29.11	35.22	19.61	40.31	35.46	4.85	8.305	
800.00	800.00	800.00	800.00	2.79	2.79	29.11	35.22	19.61	40.31	34.74	5.57	7.236	
900.00	900.00	900.00	900.00	3.14	3.14	29.11	35.22	19.61	40.31	34.02	6.29	6.411	
1,000.00	1,000.00	1,000.00	1,000.00	3.50	3.50	29.11	35.22	19.61	40.31	33.31	7.00	5.755	
1,100.00	1,100.00	1,100.00	1,100.00	3.86	3.86	29.11	35.22	19.61	40.31	32.59	7.72	5.221	
1,200.00	1,200.00	1,200.00	1,200.00	4.22	4.22	29.11	35.22	19.61	40.31	31.87	8.44	4.777	CC
1,300.00	1,299.98	1,299.98	1,299.98	4.57	4.58	108.65	35.22	19.61	40.84	31.69	9.15	4.464	ES
1,400.00	1,399.84	1,399.84	1,399.84	4.92	4.94	115.26	35.22	19.61	42.80	32.94	9.85	4.343	SF
1,500.00	1,499.45	1,499.45	1,499.45	5.27	5.29	124.78	35.22	19.61	47.19	36.63	10.56	4.469	
1,600.00	1,598.70	1,598.70	1,598.70	5.62	5.65	135.10	35.22	19.61	55.08	43.81	11.27	4.889	
1,700.00	1,697.47	1,697.47	1,697.47	5.98	6.00	144.39	35.22	19.61	67.12	55.15	11.97	5.607	
1,800.00	1,795.62	1,795.62	1,795.62	6.33	6.35	151.85	35.22	19.61	83.44	70.76	12.67	6.583	
1,900.00	1,893.06	1,895.88	1,895.87	6.70	6.71	157.16	35.91	18.16	102.61	89.23	13.38	7.669	
2,000.00	1,989.72	1,997.02	1,996.87	7.06	7.06	160.47	38.13	13.50	122.42	108.34	14.08	8.696	
2,100.00	2,086.22	2,099.41	2,098.86	7.43	7.42	162.26	41.94	5.50	140.07	125.30	14.77	9.482	
2,200.00	2,182.72	2,202.94	2,201.61	7.80	7.79	162.98	47.39	-5.93	154.72	139.26	15.46	10.005	
2,300.00	2,279.23	2,303.86	2,301.39	8.18	8.15	163.08	53.91	-19.61	166.94	150.77	16.17	10.323	
2,400.00	2,375.73	2,403.13	2,399.50	8.56	8.50	163.14	60.41	-33.26	178.99	162.09	16.89	10.596	
2,500.00	2,472.23	2,502.41	2,497.62	8.94	8.85	163.18	66.91	-46.91	191.03	173.41	17.62	10.844	
2,600.00	2,568.74	2,601.68	2,595.73	9.32	9.21	163.23	73.42	-60.55	203.07	184.73	18.34	11.070	
2,700.00	2,665.24	2,700.95	2,693.85	9.70	9.56	163.26	79.92	-74.20	215.12	196.04	19.07	11.278	
2,800.00	2,761.74	2,800.22	2,791.96	10.09	9.92	163.30	86.42	-87.85	227.16	207.35	19.81	11.468	
2,900.00	2,858.25	2,899.49	2,890.07	10.47	10.28	163.33	92.93	-101.49	239.20	218.66	20.54	11.643	
3,000.00	2,954.75	2,998.77	2,988.19	10.86	10.64	163.35	99.43	-115.14	251.25	229.97	21.28	11.805	
3,100.00	3,051.25	3,098.04	3,086.30	11.25	11.00	163.38	105.93	-128.79	263.29	241.27	22.02	11.955	
3,200.00	3,147.75	3,197.31	3,184.42	11.64	11.36	163.40	112.43	-142.43	275.34	252.57	22.76	12.095	
3,300.00	3,244.26	3,296.58	3,282.53	12.03	11.72	163.42	118.94	-156.08	287.38	263.87	23.51	12.224	
3,400.00	3,340.76	3,395.85	3,380.65	12.42	12.08	163.44	125.44	-169.73	299.42	275.17	24.25	12.345	
3,500.00	3,437.26	3,495.13	3,478.76	12.82	12.45	163.46	131.94	-183.38	311.47	286.47	25.00	12.458	
3,600.00	3,533.77	3,594.40	3,576.87	13.21	12.81	163.47	138.44	-197.02	323.51	297.76	25.75	12.564	
3,700.00	3,630.27	3,693.67	3,674.99	13.60	13.17	163.49	144.95	-210.67	335.56	309.06	26.50	12.663	
3,800.00	3,726.77	3,792.94	3,773.10	14.00	13.53	163.50	151.45	-224.32	347.60	320.35	27.25	12.757	
3,900.00	3,823.28	3,892.21	3,871.22	14.39	13.90	163.51	157.95	-237.96	359.64	331.64	28.00	12.845	
4,000.00	3,919.78	3,991.49	3,969.33	14.79	14.26	163.53	164.46	-251.61	371.69	342.94	28.75	12.928	
4,100.00	4,016.28	4,090.76	4,067.45	15.18	14.63	163.54	170.96	-265.26	383.73	354.23	29.50	13.006	
4,200.00	4,112.78	4,190.03	4,165.56	15.58	14.99	163.55	177.46	-278.90	395.78	365.52	30.26	13.080	
4,300.00	4,209.29	4,289.30	4,263.67	15.97	15.36	163.56	183.96	-292.55	407.82	376.81	31.01	13.150	
4,400.00	4,305.79	4,388.57	4,361.79	16.37	15.72	163.57	190.47	-306.20	419.86	388.10	31.77	13.217	
4,500.00	4,402.29	4,487.85	4,459.90	16.77	16.09	163.58	196.97	-319.85	431.91	399.38	32.52	13.280	
4,600.00	4,498.80	4,587.12	4,558.02	17.17	16.45	163.58	203.47	-333.49	443.95	410.67	33.28	13.340	
4,700.00	4,595.30	4,686.39	4,656.13	17.56	16.82	163.59	209.97	-347.14	456.00	421.96	34.04	13.397	
4,800.00	4,691.80	4,785.66	4,754.25	17.96	17.19	163.60	216.48	-360.79	468.04	433.25	34.79	13.452	
4,900.00	4,788.31	4,884.93	4,852.36	18.36	17.55	163.61	222.98	-374.43	480.08	444.53	35.55	13.504	
5,000.00	4,884.81	4,984.21	4,950.47	18.76	17.92	163.61	229.48	-388.08	492.13	455.82	36.31	13.554	
5,100.00	4,981.31	5,083.48	5,048.59	19.16	18.28	163.62	235.99	-401.73	504.17	467.10	37.07	13.601	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,182.75	5,146.70	19.55	18.65	163.63	242.49	-415.37	516.22	478.39	37.83	13.647	
5,300.00	5,174.32	5,282.02	5,244.82	19.95	19.02	163.63	248.99	-429.02	528.26	489.67	38.59	13.690	
5,400.00	5,270.82	5,381.29	5,342.93	20.35	19.39	163.64	255.49	-442.67	540.31	500.96	39.35	13.732	
5,500.00	5,367.32	5,480.57	5,441.05	20.75	19.75	163.64	262.00	-456.31	552.35	512.24	40.11	13.772	
5,600.00	5,463.83	5,579.84	5,539.16	21.15	20.12	163.65	268.50	-469.96	564.39	523.53	40.87	13.811	
5,700.00	5,560.33	5,679.11	5,637.27	21.55	20.49	163.65	275.00	-483.61	576.44	534.81	41.63	13.848	
5,800.00	5,656.83	5,778.38	5,735.39	21.95	20.86	163.66	281.51	-497.26	588.48	546.09	42.39	13.883	
5,900.00	5,753.34	5,877.65	5,833.50	22.35	21.22	163.66	288.01	-510.90	600.53	557.38	43.15	13.917	
6,000.00	5,849.84	5,976.93	5,931.62	22.75	21.59	163.67	294.51	-524.55	612.57	568.66	43.91	13.950	
6,100.00	5,946.34	6,076.20	6,029.73	23.15	21.96	163.67	301.01	-538.20	624.61	579.94	44.67	13.982	
6,200.00	6,042.85	6,164.89	6,117.46	23.55	22.29	163.70	306.60	-549.93	637.20	591.81	45.38	14.041	
6,300.00	6,139.35	6,247.45	6,199.43	23.95	22.59	163.82	310.84	-558.82	652.14	606.10	46.04	14.165	
6,400.00	6,235.85	6,329.28	6,280.92	24.35	22.89	164.03	314.03	-565.52	669.58	622.92	46.67	14.348	
6,500.00	6,332.35	6,410.26	6,361.74	24.75	23.18	164.33	316.20	-570.08	689.50	642.24	47.26	14.589	
6,600.00	6,428.86	6,490.27	6,441.70	25.15	23.46	164.69	317.38	-572.55	711.87	664.05	47.82	14.886	
6,700.00	6,525.36	6,573.93	6,525.36	25.55	23.75	165.13	317.64	-573.09	736.59	688.19	48.40	15.219	
6,800.00	6,621.86	6,670.44	6,621.86	25.95	24.08	165.64	317.64	-573.09	762.01	712.89	49.12	15.512	
6,900.00	6,718.31	6,766.88	6,718.31	26.35	24.42	-163.02	317.64	-573.09	788.02	738.18	49.84	15.810	
7,000.00	6,812.98	6,861.55	6,812.98	26.72	24.75	-136.91	317.64	-573.09	815.42	764.89	50.54	16.135	
7,100.00	6,903.02	6,951.59	6,903.02	27.06	25.06	-123.30	317.64	-573.09	844.38	793.20	51.19	16.497	
7,200.00	6,985.68	7,034.25	6,985.68	27.35	25.35	-115.89	317.64	-573.09	875.74	823.97	51.77	16.915	
7,300.00	7,058.46	7,107.03	7,058.46	27.60	25.60	-111.20	317.64	-573.09	910.68	858.40	52.28	17.419	
7,400.00	7,119.14	7,167.71	7,119.14	27.80	25.81	-107.40	317.64	-573.09	950.32	897.62	52.70	18.033	
7,500.00	7,165.89	7,214.46	7,165.89	27.97	25.98	-103.41	317.64	-573.09	995.31	942.30	53.01	18.777	
7,600.00	7,197.27	7,245.84	7,197.27	28.12	26.09	-98.58	317.64	-573.09	1,045.64	992.44	53.19	19.657	
7,700.00	7,212.34	7,260.91	7,212.34	28.27	26.14	-92.66	317.64	-573.09	1,100.50	1,047.25	53.25	20.665	
7,800.00	7,214.21	7,262.78	7,214.21	28.43	26.14	-90.37	317.64	-573.09	1,159.17	1,105.96	53.22	21.782	
7,900.00	7,215.05	7,263.62	7,215.05	28.59	26.15	-90.42	317.64	-573.09	1,223.02	1,169.85	53.18	22.999	
8,000.00	7,215.88	7,264.46	7,215.88	28.77	26.15	-90.46	317.64	-573.09	1,290.94	1,237.80	53.14	24.292	
8,100.00	7,216.72	7,265.29	7,216.72	28.96	26.15	-90.47	317.64	-573.09	1,360.56	1,307.45	53.11	25.618	
8,200.00	7,217.56	7,266.13	7,217.56	29.16	26.16	-90.49	317.64	-573.09	1,431.45	1,378.37	53.08	26.967	
8,300.00	7,218.40	7,266.97	7,218.40	29.36	26.16	-90.54	317.64	-573.09	1,504.82	1,451.76	53.06	28.360	
8,400.00	7,219.24	7,267.81	7,219.24	29.58	26.16	-90.59	317.64	-573.09	1,581.11	1,528.06	53.05	29.805	
8,500.00	7,220.07	7,268.65	7,220.07	29.81	26.16	-90.64	317.64	-573.09	1,659.92	1,606.88	53.04	31.297	
8,600.00	7,220.91	7,269.48	7,220.91	30.06	26.17	-90.69	317.64	-573.09	1,740.91	1,687.88	53.03	32.828	
8,700.00	7,221.75	10,089.31	8,750.00	30.32	32.71	-147.27	-1,218.98	-582.71	1,816.71	1,763.77	52.94	34.318	
8,800.00	7,222.59	10,189.30	8,750.00	30.60	32.95	-147.28	-1,318.97	-583.33	1,815.49	1,761.62	53.87	33.703	
8,900.00	7,223.42	10,289.29	8,750.00	30.89	33.21	-147.29	-1,418.96	-583.96	1,814.26	1,759.44	54.83	33.092	
9,000.00	7,224.26	10,389.28	8,750.00	31.19	33.48	-147.30	-1,518.95	-584.59	1,813.04	1,757.23	55.81	32.485	
9,100.00	7,225.10	10,489.27	8,750.00	31.51	33.76	-147.31	-1,618.94	-585.21	1,811.82	1,755.00	56.82	31.886	
9,200.00	7,225.94	10,589.26	8,750.00	31.84	34.06	-147.32	-1,718.93	-585.84	1,810.60	1,752.74	57.86	31.294	
9,300.00	7,226.78	10,689.26	8,750.00	32.19	34.38	-147.33	-1,818.92	-586.46	1,809.38	1,750.46	58.91	30.712	
9,400.00	7,227.61	10,789.25	8,750.00	32.55	34.71	-147.35	-1,918.91	-587.09	1,808.15	1,748.16	59.99	30.139	
9,500.00	7,228.45	10,889.24	8,750.00	32.92	35.05	-147.36	-2,018.90	-587.72	1,806.93	1,745.84	61.09	29.576	
9,600.00	7,229.29	10,989.23	8,750.00	33.30	35.40	-147.37	-2,118.89	-588.34	1,805.71	1,743.50	62.21	29.024	
9,700.00	7,230.13	11,089.22	8,750.00	33.70	35.77	-147.38	-2,218.88	-588.97	1,804.49	1,741.14	63.35	28.483	
9,800.00	7,230.96	11,189.22	8,750.00	34.11	36.15	-147.39	-2,318.87	-589.59	1,803.27	1,738.76	64.51	27.954	
9,900.00	7,231.80	11,289.21	8,750.00	34.52	36.54	-147.40	-2,418.86	-590.22	1,802.04	1,736.36	65.68	27.436	
10,000.00	7,232.64	11,389.20	8,750.00	34.96	36.95	-147.41	-2,518.85	-590.85	1,800.82	1,733.95	66.87	26.931	
10,100.00	7,233.48	11,489.19	8,750.00	35.40	37.36	-147.43	-2,618.84	-591.47	1,799.60	1,731.53	68.07	26.437	
10,200.00	7,234.32	11,589.18	8,750.00	35.85	37.79	-147.44	-2,718.83	-592.10	1,798.38	1,729.09	69.29	25.955	
10,300.00	7,235.15	11,689.18	8,750.00	36.31	38.22	-147.45	-2,818.82	-592.72	1,797.16	1,726.64	70.52	25.485	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,400.00	7,235.99	11,789.17	8,750.00	36.78	38.67	-147.46	-2,918.81	-593.35	1,795.94	1,724.18	71.76	25.026	
10,500.00	7,236.83	11,889.16	8,750.00	37.27	39.12	-147.47	-3,018.80	-593.98	1,794.72	1,721.70	73.02	24.579	
10,600.00	7,237.67	11,989.15	8,750.00	37.76	39.59	-147.48	-3,118.79	-594.60	1,793.50	1,719.21	74.28	24.144	
10,700.00	7,238.50	12,089.14	8,750.00	38.26	40.06	-147.49	-3,218.78	-595.23	1,792.27	1,716.71	75.56	23.720	
10,800.00	7,239.34	12,189.14	8,750.00	38.76	40.54	-147.50	-3,318.77	-595.85	1,791.05	1,714.20	76.85	23.306	
10,900.00	7,240.18	12,289.13	8,750.00	39.28	41.04	-147.52	-3,418.76	-596.48	1,789.83	1,711.69	78.15	22.904	
11,000.00	7,241.02	12,389.12	8,750.00	39.80	41.54	-147.53	-3,518.75	-597.10	1,788.61	1,709.16	79.45	22.511	
11,100.00	7,241.86	12,489.11	8,750.00	40.34	42.04	-147.54	-3,618.74	-597.73	1,787.39	1,706.62	80.77	22.130	
11,200.00	7,242.69	12,589.10	8,750.00	40.87	42.56	-147.55	-3,718.73	-598.36	1,786.17	1,704.08	82.09	21.758	
11,300.00	7,243.53	12,689.09	8,750.00	41.42	43.08	-147.56	-3,818.72	-598.98	1,784.95	1,701.52	83.43	21.396	
11,400.00	7,244.37	12,789.09	8,750.00	41.97	43.61	-147.57	-3,918.71	-599.61	1,783.73	1,698.96	84.77	21.043	
11,500.00	7,245.21	12,889.08	8,750.00	42.53	44.15	-147.59	-4,018.70	-600.23	1,782.51	1,696.39	86.11	20.699	
11,600.00	7,246.04	12,989.07	8,750.00	43.10	44.69	-147.60	-4,118.69	-600.86	1,781.29	1,693.82	87.47	20.365	
11,700.00	7,246.88	13,089.06	8,750.00	43.67	45.24	-147.61	-4,218.68	-601.49	1,780.07	1,691.24	88.83	20.039	
11,800.00	7,247.72	13,189.05	8,750.00	44.25	45.80	-147.62	-4,318.67	-602.11	1,778.85	1,688.65	90.20	19.722	
11,900.00	7,248.56	13,289.05	8,750.00	44.83	46.36	-147.63	-4,418.66	-602.74	1,777.63	1,686.06	91.57	19.413	
12,000.00	7,249.39	13,389.04	8,750.00	45.42	46.93	-147.64	-4,518.65	-603.36	1,776.41	1,683.46	92.95	19.111	
12,100.00	7,250.23	13,489.03	8,750.00	46.01	47.50	-147.65	-4,618.64	-603.99	1,775.19	1,680.85	94.33	18.818	
12,200.00	7,251.07	13,589.02	8,750.00	46.61	48.08	-147.67	-4,718.63	-604.62	1,773.97	1,678.24	95.72	18.532	
12,300.00	7,251.91	13,689.01	8,750.00	47.21	48.66	-147.68	-4,818.62	-605.24	1,772.75	1,675.63	97.12	18.253	
12,400.00	7,252.75	13,789.01	8,750.00	47.82	49.25	-147.68	-4,918.61	-605.87	1,771.68	1,673.15	98.52	17.983	
12,500.00	7,253.58	13,889.00	8,750.00	48.43	49.84	-147.66	-5,018.60	-606.49	1,771.13	1,671.19	99.93	17.723	
12,600.00	7,254.42	13,989.00	8,750.00	49.05	50.44	-147.64	-5,118.60	-607.12	1,770.58	1,669.23	101.35	17.470	
12,700.00	7,255.26	14,089.00	8,750.00	49.67	51.04	-147.61	-5,218.59	-607.75	1,770.04	1,667.26	102.77	17.223	
12,800.00	7,256.10	14,188.99	8,750.00	50.30	51.65	-147.59	-5,318.59	-608.37	1,769.49	1,665.29	104.20	16.982	
12,900.00	7,256.93	14,288.99	8,750.00	50.93	52.26	-147.57	-5,418.58	-609.00	1,768.95	1,663.32	105.62	16.747	
13,000.00	7,257.77	14,388.98	8,750.00	51.56	52.87	-147.55	-5,518.57	-609.62	1,768.40	1,661.34	107.06	16.518	
13,100.00	7,258.61	14,488.98	8,750.00	52.19	53.49	-147.52	-5,618.57	-610.25	1,767.86	1,659.36	108.49	16.295	
13,200.00	7,259.45	14,588.98	8,750.00	52.83	54.11	-147.50	-5,718.56	-610.87	1,767.31	1,657.38	109.93	16.077	
13,300.00	7,260.29	14,688.97	8,750.00	53.48	54.74	-147.48	-5,818.56	-611.50	1,766.77	1,655.39	111.37	15.864	
13,400.00	7,261.12	14,788.97	8,750.00	54.12	55.37	-147.45	-5,918.55	-612.13	1,766.22	1,653.41	112.82	15.656	
13,500.00	7,261.96	14,888.96	8,750.00	54.77	56.00	-147.43	-6,018.54	-612.75	1,765.68	1,651.41	114.27	15.452	
13,600.00	7,262.80	14,988.96	8,750.00	55.42	56.64	-147.41	-6,118.54	-613.38	1,765.14	1,649.42	115.72	15.254	
13,700.00	7,263.64	15,088.96	8,750.00	56.08	57.28	-147.39	-6,218.53	-614.00	1,764.59	1,647.42	117.17	15.060	
13,800.00	7,264.47	15,188.95	8,750.00	56.74	57.92	-147.36	-6,318.53	-614.63	1,764.05	1,645.43	118.62	14.871	
13,900.00	7,265.31	15,288.95	8,750.00	57.40	58.56	-147.34	-6,418.52	-615.26	1,763.51	1,643.42	120.08	14.686	
14,000.00	7,266.15	15,388.94	8,750.00	58.06	59.21	-147.32	-6,518.51	-615.88	1,762.96	1,641.42	121.54	14.505	
14,100.00	7,266.99	15,488.94	8,750.00	58.73	59.86	-147.29	-6,618.51	-616.51	1,762.42	1,639.42	123.01	14.328	
14,200.00	7,267.82	15,588.94	8,750.00	59.39	60.51	-147.27	-6,718.50	-617.13	1,761.88	1,637.41	124.47	14.155	
14,300.00	7,268.66	15,688.93	8,750.00	60.06	61.17	-147.25	-6,818.50	-617.76	1,761.34	1,635.40	125.94	13.986	
14,400.00	7,269.50	15,788.93	8,750.00	60.74	61.83	-147.23	-6,918.49	-618.39	1,760.80	1,633.39	127.41	13.820	
14,500.00	7,270.34	15,888.92	8,750.00	61.41	62.49	-147.20	-7,018.49	-619.01	1,760.26	1,631.38	128.88	13.658	
14,600.00	7,271.18	15,988.92	8,750.00	62.09	63.15	-147.18	-7,118.48	-619.64	1,759.72	1,629.36	130.35	13.500	
14,700.00	7,272.01	16,088.92	8,750.00	62.76	63.82	-147.16	-7,218.47	-620.26	1,759.18	1,627.35	131.83	13.344	
14,800.00	7,272.85	16,188.91	8,750.00	63.44	64.48	-147.13	-7,318.47	-620.89	1,758.64	1,625.33	133.31	13.192	
14,900.00	7,273.69	16,288.91	8,750.00	64.13	65.15	-147.11	-7,418.46	-621.52	1,758.10	1,623.31	134.79	13.044	
15,000.00	7,274.53	16,388.90	8,750.00	64.81	65.83	-147.09	-7,518.46	-622.14	1,757.56	1,621.29	136.27	12.898	
15,100.00	7,275.36	16,488.90	8,750.00	65.50	66.50	-147.06	-7,618.45	-622.77	1,757.05	1,619.31	137.75	12.756	
15,200.00	7,276.20	16,588.90	8,750.00	66.18	67.17	-147.04	-7,718.44	-623.39	1,756.55	1,617.32	139.23	12.616	
15,300.00	7,277.04	16,688.89	8,750.00	66.87	67.85	-147.01	-7,818.44	-624.02	1,756.05	1,615.34	140.72	12.479	
15,400.00	7,277.88	16,788.89	8,750.00	67.56	68.53	-146.99	-7,918.43	-624.65	1,755.55	1,613.35	142.20	12.345	
15,500.00	7,278.72	16,888.88	8,750.00	68.26	69.21	-146.96	-8,018.42	-625.27	1,755.05	1,611.36	143.69	12.214	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,600.00	7,279.55	16,988.88	8,750.00	68.95	69.89	-146.94	-8,118.42	-625.90	1,754.56	1,609.37	145.18	12.085	
15,700.00	7,280.39	17,088.87	8,750.00	69.65	70.58	-146.91	-8,218.41	-626.52	1,754.06	1,607.38	146.67	11.959	
15,800.00	7,281.23	17,188.87	8,750.00	70.34	71.27	-146.89	-8,318.41	-627.15	1,753.56	1,605.39	148.17	11.835	
15,900.00	7,282.07	17,288.87	8,750.00	71.04	71.95	-146.86	-8,418.40	-627.77	1,753.06	1,603.40	149.66	11.714	
16,000.00	7,282.91	17,388.86	8,750.00	71.74	72.64	-146.84	-8,518.39	-628.40	1,752.56	1,601.41	151.15	11.595	
16,100.00	7,283.74	17,488.86	8,750.00	72.44	73.33	-146.81	-8,618.39	-629.03	1,752.07	1,599.41	152.65	11.478	
16,200.00	7,284.58	17,588.85	8,750.00	73.14	74.02	-146.79	-8,718.38	-629.65	1,751.57	1,597.42	154.15	11.363	
16,300.00	7,285.42	17,688.85	8,750.00	73.85	74.72	-146.76	-8,818.38	-630.28	1,751.07	1,595.43	155.65	11.250	
16,400.00	7,286.26	17,788.85	8,750.00	74.55	75.41	-146.74	-8,918.37	-630.90	1,750.58	1,593.43	157.15	11.140	
16,500.00	7,287.10	17,888.84	8,750.00	75.26	76.11	-146.71	-9,018.36	-631.53	1,750.08	1,591.43	158.65	11.031	
16,600.00	7,287.93	17,988.84	8,750.00	75.96	76.81	-146.68	-9,118.36	-632.16	1,749.58	1,589.44	160.15	10.925	
16,700.00	7,288.77	18,088.83	8,750.00	76.67	77.51	-146.66	-9,218.35	-632.78	1,749.09	1,587.44	161.65	10.820	
16,800.00	7,289.61	18,188.83	8,750.00	77.38	78.21	-146.63	-9,318.34	-633.41	1,748.59	1,585.44	163.15	10.718	
16,900.00	7,290.45	18,288.82	8,750.00	78.09	78.91	-146.61	-9,418.34	-634.03	1,748.10	1,583.44	164.66	10.617	
17,000.00	7,291.29	18,388.82	8,750.00	78.80	79.61	-146.58	-9,518.33	-634.66	1,747.60	1,581.44	166.16	10.517	
17,100.00	7,292.12	18,488.82	8,750.00	79.51	80.31	-146.56	-9,618.33	-635.29	1,747.11	1,579.44	167.67	10.420	
17,200.00	7,292.96	18,588.81	8,750.00	80.23	81.02	-146.53	-9,718.32	-635.91	1,746.62	1,577.44	169.17	10.324	
17,300.00	7,293.80	18,688.81	8,750.00	80.94	81.72	-146.51	-9,818.31	-636.54	1,746.12	1,575.44	170.68	10.230	
17,373.80	7,294.42	18,754.00	8,750.00	81.47	82.18	-146.49	-9,883.51	-636.83	1,745.84	1,574.16	171.68	10.169	
17,400.00	7,294.64	18,773.60	8,750.00	81.66	82.32	-146.48	-9,903.10	-636.71	1,745.89	1,573.91	171.99	10.151	
17,500.00	7,295.48	18,848.34	8,750.00	82.37	82.85	-146.40	-9,977.83	-635.03	1,746.99	1,573.86	173.13	10.090	
17,600.00	7,296.31	18,922.91	8,750.00	83.09	83.38	-146.27	-10,052.30	-631.40	1,749.55	1,575.29	174.25	10.040	
17,700.00	7,297.15	19,000.00	8,750.00	83.80	83.93	-146.08	-10,129.17	-625.62	1,753.65	1,578.26	175.39	9.999	
17,800.00	7,297.99	19,071.07	8,750.00	84.52	84.44	-145.85	-10,199.88	-618.46	1,759.29	1,582.90	176.39	9.974	
17,900.00	7,298.83	19,144.48	8,750.00	85.24	84.96	-145.57	-10,272.71	-609.22	1,766.44	1,589.05	177.40	9.958	
18,000.00	7,299.66	19,217.32	8,750.00	85.96	85.48	-145.24	-10,344.71	-598.22	1,775.13	1,596.77	178.35	9.953	
18,100.00	7,300.50	19,295.76	8,750.00	86.68	86.03	-144.84	-10,421.92	-584.42	1,785.33	1,605.93	179.40	9.951	
18,200.00	7,301.34	19,393.84	8,750.00	87.40	86.73	-144.32	-10,518.35	-566.51	1,796.09	1,615.21	180.89	9.929	
18,300.00	7,302.18	19,491.92	8,750.00	88.12	87.43	-143.81	-10,614.79	-548.60	1,807.01	1,624.64	182.36	9.909	
18,400.00	7,303.01	19,590.00	8,750.00	88.85	88.13	-143.31	-10,711.22	-530.70	1,818.06	1,634.22	183.84	9.889	
18,500.00	7,303.85	19,688.08	8,750.00	89.57	88.83	-142.81	-10,807.65	-512.79	1,829.26	1,643.95	185.31	9.871	
18,600.00	7,304.69	19,786.16	8,750.00	90.29	89.53	-142.32	-10,904.08	-494.89	1,840.59	1,653.81	186.78	9.854	
18,700.00	7,305.53	19,884.25	8,750.00	91.02	90.24	-141.83	-11,000.52	-476.98	1,852.06	1,663.82	188.24	9.839	
18,800.00	7,306.37	19,982.33	8,750.00	91.74	90.94	-141.35	-11,096.95	-459.08	1,863.66	1,673.96	189.71	9.824	
18,900.00	7,307.20	20,080.41	8,750.00	92.47	91.65	-140.87	-11,193.38	-441.17	1,875.40	1,684.23	191.17	9.810	
19,000.00	7,308.04	20,178.49	8,750.00	93.20	92.36	-140.41	-11,289.82	-423.26	1,887.26	1,694.64	192.62	9.798	
19,100.00	7,308.88	20,276.57	8,750.00	93.92	93.07	-139.94	-11,386.25	-405.36	1,899.25	1,705.17	194.08	9.786	
19,200.00	7,309.72	20,374.65	8,750.00	94.65	93.78	-139.49	-11,482.68	-387.45	1,911.36	1,715.83	195.53	9.775	
19,300.00	7,310.55	20,472.73	8,750.00	95.38	94.49	-139.03	-11,579.11	-369.55	1,923.60	1,726.62	196.98	9.765	
19,400.00	7,311.39	20,570.81	8,750.00	96.11	95.20	-138.59	-11,675.55	-351.64	1,935.95	1,737.52	198.43	9.756	
19,500.00	7,312.23	20,668.89	8,750.00	96.84	95.92	-138.15	-11,771.98	-333.73	1,948.42	1,748.55	199.88	9.748	
19,600.00	7,313.07	20,766.98	8,750.00	97.57	96.63	-137.71	-11,868.41	-315.83	1,961.00	1,759.69	201.32	9.741	
19,700.00	7,313.90	20,865.06	8,750.00	98.30	97.35	-137.28	-11,964.85	-297.92	1,973.70	1,770.94	202.76	9.734	
19,800.00	7,314.74	20,963.14	8,750.00	99.03	98.06	-136.86	-12,061.28	-280.02	1,986.51	1,782.31	204.20	9.728	
19,900.00	7,315.58	21,061.22	8,750.00	99.76	98.78	-136.44	-12,157.71	-262.11	1,999.42	1,793.78	205.64	9.723	
20,000.00	7,316.42	21,159.30	8,750.00	100.49	99.50	-136.03	-12,254.14	-244.20	2,012.44	1,805.37	207.08	9.718	
20,100.00	7,317.25	21,257.38	8,750.00	101.23	100.22	-135.62	-12,350.58	-226.30	2,025.57	1,817.05	208.51	9.714	
20,200.00	7,318.09	21,355.46	8,750.00	101.96	100.94	-135.21	-12,447.01	-208.39	2,038.79	1,828.85	209.95	9.711	
20,300.00	7,318.93	21,453.54	8,750.00	102.69	101.66	-134.82	-12,543.44	-190.49	2,052.12	1,840.74	211.38	9.708	
20,400.00	7,319.77	21,551.63	8,750.00	103.43	102.39	-134.42	-12,639.88	-172.58	2,065.55	1,852.73	212.81	9.706	
20,500.00	7,320.61	21,649.71	8,750.00	104.16	103.11	-134.04	-12,736.31	-154.67	2,079.07	1,864.82	214.24	9.704	
20,600.00	7,321.44	21,747.79	8,750.00	104.89	103.83	-133.65	-12,832.74	-136.77	2,092.68	1,877.01	215.68	9.703	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,700.00	7,322.28	21,845.87	8,750.00	105.63	104.56	-133.27	-12,929.17	-118.86	2,106.39	1,889.29	217.10	9.702	
20,800.00	7,323.12	21,943.95	8,750.00	106.37	105.29	-132.90	-13,025.61	-100.96	2,120.19	1,901.66	218.53	9.702	
20,900.00	7,323.96	22,042.03	8,750.00	107.10	106.01	-132.53	-13,122.04	-83.05	2,134.07	1,914.12	219.96	9.702	
21,000.00	7,324.79	22,140.11	8,750.00	107.84	106.74	-132.17	-13,218.47	-65.15	2,148.05	1,926.66	221.39	9.703	
21,100.00	7,325.63	22,238.19	8,750.00	108.57	107.47	-131.81	-13,314.91	-47.24	2,162.11	1,939.30	222.81	9.704	
21,200.00	7,326.47	22,336.27	8,750.00	109.31	108.20	-131.45	-13,411.34	-29.33	2,176.25	1,952.01	224.24	9.705	
21,300.00	7,327.31	22,434.36	8,750.00	110.05	108.93	-131.10	-13,507.77	-11.43	2,190.48	1,964.81	225.66	9.707	
21,400.00	7,328.14	22,532.44	8,750.00	110.79	109.66	-130.76	-13,604.20	6.48	2,204.78	1,977.70	227.09	9.709	
21,500.00	7,328.98	22,630.52	8,750.00	111.52	110.39	-130.42	-13,700.64	24.38	2,219.17	1,990.66	228.51	9.711	
21,600.00	7,329.82	22,728.60	8,750.00	112.26	111.12	-130.08	-13,797.07	42.29	2,233.63	2,003.70	229.94	9.714	
21,700.00	7,330.66	22,826.68	8,750.00	113.00	111.86	-129.75	-13,893.50	60.20	2,248.17	2,016.81	231.36	9.717	
21,800.00	7,331.50	22,924.76	8,750.00	113.74	112.59	-129.42	-13,989.94	78.10	2,262.79	2,030.00	232.78	9.721	
21,900.00	7,332.33	23,022.84	8,750.00	114.48	113.32	-129.09	-14,086.37	96.01	2,277.47	2,043.26	234.21	9.724	
22,000.00	7,333.17	23,120.92	8,750.00	115.22	114.06	-128.77	-14,182.80	113.91	2,292.23	2,056.60	235.63	9.728	
22,100.00	7,334.01	23,219.00	8,750.00	115.96	114.79	-128.46	-14,279.23	131.82	2,307.06	2,070.00	237.05	9.732	
22,200.00	7,334.85	23,317.09	8,750.00	116.70	115.53	-128.15	-14,375.67	149.73	2,321.96	2,083.48	238.48	9.737	
22,300.00	7,335.68	23,415.17	8,750.00	117.44	116.27	-127.84	-14,472.10	167.63	2,336.92	2,097.02	239.90	9.741	
22,400.00	7,336.52	23,513.25	8,750.00	118.18	117.01	-127.53	-14,568.53	185.54	2,351.95	2,110.63	241.32	9.746	
22,500.00	7,337.36	23,611.33	8,750.00	118.92	117.74	-127.23	-14,664.97	203.44	2,367.05	2,124.30	242.75	9.751	
22,600.00	7,338.20	23,709.41	8,750.00	119.66	118.48	-126.94	-14,761.40	221.35	2,382.21	2,138.04	244.17	9.756	
22,700.00	7,339.03	23,807.49	8,750.00	120.41	119.22	-126.64	-14,857.83	239.26	2,397.43	2,151.84	245.60	9.762	
22,800.00	7,339.87	23,905.57	8,750.00	121.15	119.96	-126.35	-14,954.26	257.16	2,412.72	2,165.70	247.02	9.767	
22,815.35	7,340.00	23,920.63	8,750.00	121.26	120.07	-126.31	-14,969.06	259.91	2,415.07	2,167.83	247.24	9.768	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
9,600.00	7,229.29	7,137.65	7,204.27	33.30	13.05	-87.51	-5,210.40	-380.48	3,315.38	3,272.03	43.35	76.477	
9,700.00	7,230.13	7,138.83	7,205.45	33.70	13.05	-87.56	-5,210.41	-380.47	3,222.04	3,178.46	43.58	73.941	
9,800.00	7,230.96	7,140.01	7,206.64	34.11	13.05	-87.62	-5,210.41	-380.45	3,129.10	3,085.29	43.82	71.414	
9,900.00	7,231.80	7,141.19	7,207.82	34.52	13.05	-87.68	-5,210.41	-380.43	3,036.62	2,992.54	44.07	68.898	
10,000.00	7,232.64	7,142.06	7,208.68	34.96	13.06	-87.72	-5,210.41	-380.42	2,944.62	2,900.27	44.35	66.395	
10,100.00	7,233.48	7,143.16	7,209.78	35.40	13.06	-87.78	-5,210.42	-380.40	2,853.17	2,808.52	44.65	63.904	
10,200.00	7,234.32	7,144.27	7,210.89	35.85	13.06	-87.83	-5,210.42	-380.38	2,762.30	2,717.33	44.97	61.428	
10,300.00	7,235.15	7,145.37	7,211.99	36.31	13.06	-87.88	-5,210.42	-380.37	2,672.09	2,626.77	45.31	58.970	
10,400.00	7,235.99	7,146.48	7,213.10	36.78	13.06	-87.94	-5,210.43	-380.35	2,582.59	2,536.91	45.68	56.531	
10,500.00	7,236.83	7,147.58	7,214.20	37.27	13.06	-87.99	-5,210.43	-380.33	2,493.90	2,447.81	46.09	54.113	
10,600.00	7,237.67	7,148.69	7,215.31	37.76	13.07	-88.05	-5,210.43	-380.32	2,406.09	2,359.57	46.52	51.721	
10,700.00	7,238.50	7,149.79	7,216.41	38.26	13.07	-88.10	-5,210.43	-380.30	2,319.27	2,272.28	46.99	49.358	
10,800.00	7,239.34	7,150.89	7,217.52	38.76	13.07	-88.15	-5,210.44	-380.29	2,233.55	2,186.05	47.50	47.026	
10,900.00	7,240.18	7,152.00	7,218.62	39.28	13.07	-88.21	-5,210.44	-380.27	2,149.06	2,101.02	48.04	44.732	
11,000.00	7,241.02	7,153.10	7,219.72	39.80	13.07	-88.26	-5,210.44	-380.25	2,065.96	2,017.33	48.64	42.479	
11,100.00	7,241.86	7,154.20	7,220.82	40.34	13.07	-88.32	-5,210.44	-380.24	1,984.42	1,935.15	49.27	40.273	
11,200.00	7,242.69	7,155.31	7,221.93	40.87	13.08	-88.37	-5,210.45	-380.22	1,904.64	1,854.68	49.96	38.121	
11,300.00	7,243.53	7,156.41	7,223.03	41.42	13.08	-88.42	-5,210.45	-380.20	1,826.85	1,776.15	50.70	36.030	
11,400.00	7,244.37	7,157.51	7,224.13	41.97	13.08	-88.48	-5,210.45	-380.19	1,751.31	1,699.82	51.50	34.008	
11,500.00	7,245.21	7,158.61	7,225.23	42.53	13.08	-88.53	-5,210.45	-380.17	1,678.34	1,626.00	52.34	32.065	
11,600.00	7,246.04	7,159.71	7,226.33	43.10	13.08	-88.59	-5,210.46	-380.16	1,608.27	1,555.03	53.24	30.210	
11,700.00	7,246.88	7,160.81	7,227.43	43.67	13.08	-88.64	-5,210.46	-380.14	1,541.51	1,487.33	54.17	28.455	
11,800.00	7,247.72	7,161.91	7,228.54	44.25	13.09	-88.69	-5,210.46	-380.12	1,478.50	1,423.35	55.14	26.811	
11,900.00	7,248.56	7,163.02	7,229.64	44.83	13.09	-88.75	-5,210.46	-380.11	1,419.74	1,363.61	56.13	25.292	
12,000.00	7,249.39	7,164.12	7,230.74	45.42	13.09	-88.80	-5,210.47	-380.09	1,365.78	1,308.66	57.12	23.910	
12,100.00	7,250.23	7,165.22	7,231.84	46.01	13.09	-88.85	-5,210.47	-380.08	1,317.22	1,259.14	58.08	22.680	
12,200.00	7,251.07	7,166.32	7,232.94	46.61	13.09	-88.91	-5,210.47	-380.06	1,274.67	1,215.69	58.97	21.615	
12,300.00	7,251.91	7,167.41	7,234.03	47.21	13.09	-88.96	-5,210.47	-380.04	1,238.74	1,178.98	59.76	20.728	
12,400.00	7,252.75	7,168.51	7,235.13	47.82	13.10	-89.02	-5,210.48	-380.03	1,210.30	1,149.89	60.40	20.037	
12,500.00	7,253.58	7,169.59	7,236.21	48.43	13.10	-89.08	-5,210.48	-380.01	1,190.57	1,129.71	60.87	19.561	
12,600.00	7,254.42	7,170.67	7,237.29	49.05	13.10	-89.13	-5,210.48	-380.00	1,179.03	1,117.92	61.11	19.293	
12,686.78	7,255.15	7,171.61	7,238.23	49.59	13.10	-89.18	-5,210.48	-379.98	1,175.83	1,114.70	61.14	19.233	CC, ES, SF
12,700.00	7,255.26	7,171.75	7,238.37	49.67	13.10	-89.18	-5,210.48	-379.98	1,175.91	1,114.79	61.12	19.238	
12,800.00	7,256.10	7,172.83	7,239.45	50.30	13.10	-89.23	-5,210.49	-379.97	1,181.27	1,120.37	60.90	19.397	
12,900.00	7,256.93	7,173.91	7,240.53	50.93	13.10	-89.29	-5,210.49	-379.95	1,195.01	1,134.55	60.46	19.766	
13,000.00	7,257.77	7,174.99	7,241.61	51.56	13.10	-89.34	-5,210.49	-379.94	1,216.83	1,157.01	59.82	20.341	
13,100.00	7,258.61	7,176.07	7,242.69	52.19	13.11	-89.39	-5,210.49	-379.92	1,246.32	1,187.28	59.04	21.111	
13,200.00	7,259.45	7,177.15	7,243.77	52.83	13.11	-89.45	-5,210.50	-379.90	1,282.95	1,224.80	58.14	22.065	
13,300.00	7,260.29	7,178.22	7,244.84	53.48	13.11	-89.50	-5,210.50	-379.89	1,326.12	1,268.93	57.18	23.190	
13,400.00	7,261.12	7,179.30	7,245.92	54.12	13.11	-89.55	-5,210.50	-379.87	1,375.21	1,319.02	56.19	24.472	
13,500.00	7,261.96	7,180.38	7,247.00	54.77	13.11	-89.60	-5,210.50	-379.86	1,429.63	1,374.42	55.21	25.896	
13,600.00	7,262.80	7,181.46	7,248.08	55.42	13.11	-89.66	-5,210.51	-379.84	1,488.78	1,434.54	54.24	27.446	
13,700.00	7,263.64	7,182.54	7,249.15	56.08	13.12	-89.71	-5,210.51	-379.83	1,552.12	1,498.80	53.32	29.108	
13,800.00	7,264.47	7,183.61	7,250.23	56.74	13.12	-89.76	-5,210.51	-379.81	1,619.17	1,566.72	52.45	30.869	
13,900.00	7,265.31	7,184.69	7,251.31	57.40	13.12	-89.81	-5,210.51	-379.80	1,689.48	1,637.83	51.64	32.714	
14,000.00	7,266.15	7,185.77	7,252.39	58.06	13.12	-89.87	-5,210.52	-379.78	1,762.65	1,711.76	50.89	34.633	
14,100.00	7,266.99	7,186.84	7,253.46	58.73	13.12	-89.92	-5,210.52	-379.77	1,838.36	1,788.15	50.21	36.615	
14,200.00	7,267.82	7,187.92	7,254.54	59.39	13.12	-89.97	-5,210.52	-379.75	1,916.29	1,866.71	49.58	38.650	
14,300.00	7,268.66	7,189.00	7,255.61	60.06	13.13	-90.02	-5,210.52	-379.74	1,996.19	1,947.18	49.01	40.730	
14,400.00	7,269.50	7,190.07	7,256.69	60.74	13.13	-90.08	-5,210.53	-379.72	2,077.83	2,029.34	48.49	42.847	
14,500.00	7,270.34	7,191.15	7,257.77	61.41	13.13	-90.13	-5,210.53	-379.71	2,161.02	2,112.99	48.03	44.995	
14,600.00	7,271.18	7,192.22	7,258.84	62.09	13.13	-90.18	-5,210.53	-379.69	2,245.57	2,197.96	47.61	47.169	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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

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
14,700.00	7,272.01	7,193.30	7,259.92	62.76	13.13	-90.23	-5,210.53	-379.68	2,331.35	2,284.12	47.23	49.363	
14,800.00	7,272.85	7,194.37	7,260.99	63.44	13.13	-90.28	-5,210.54	-379.66	2,418.22	2,371.33	46.89	51.573	
14,900.00	7,273.69	7,195.45	7,262.07	64.13	13.14	-90.34	-5,210.54	-379.65	2,506.07	2,459.48	46.59	53.795	
15,000.00	7,274.53	7,196.52	7,263.14	64.81	13.14	-90.39	-5,210.54	-379.63	2,594.80	2,548.49	46.31	56.027	
15,100.00	7,275.36	7,197.60	7,264.21	65.50	13.14	-90.44	-5,210.54	-379.62	2,684.35	2,638.28	46.07	58.266	
15,200.00	7,276.20	7,198.67	7,265.29	66.18	13.14	-90.50	-5,210.55	-379.60	2,774.61	2,728.76	45.85	60.510	
15,300.00	7,277.04	7,199.74	7,266.36	66.87	13.14	-90.55	-5,210.55	-379.59	2,865.53	2,819.86	45.66	62.755	
15,400.00	7,277.88	7,200.82	7,267.43	67.56	13.14	-90.60	-5,210.55	-379.57	2,957.02	2,911.53	45.49	65.002	
15,500.00	7,278.72	7,201.89	7,268.51	68.26	13.15	-90.65	-5,210.55	-379.56	3,049.06	3,003.71	45.34	67.248	
15,600.00	7,279.55	7,202.96	7,269.58	68.95	13.15	-90.70	-5,210.56	-379.54	3,141.57	3,096.37	45.21	69.492	
15,700.00	7,280.39	7,204.04	7,270.65	69.65	13.15	-90.76	-5,210.56	-379.53	3,234.54	3,189.45	45.09	71.733	
15,800.00	7,281.23	7,205.11	7,271.72	70.34	13.15	-90.81	-5,210.56	-379.51	3,327.91	3,282.92	44.99	73.970	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	22.67	-1.93	0.00	0.03	-135.63	-925.91	-905.90	1,295.37				
100.00	100.00	115.45	90.85	0.28	0.20	-135.61	-926.00	-906.41	1,295.82	1,295.34	0.48	2,726.583	
200.00	200.00	212.19	187.58	0.63	0.54	-135.57	-925.96	-907.63	1,296.67	1,295.49	1.17	1,103.944	
300.00	300.00	313.89	289.27	0.99	0.90	-135.52	-925.83	-909.08	1,297.58	1,295.68	1.89	686.410	
400.00	400.00	417.88	393.25	1.35	1.26	-135.47	-925.48	-910.42	1,298.23	1,295.62	2.61	496.840	
500.00	500.00	521.21	496.57	1.71	1.62	-135.41	-924.89	-911.66	1,298.67	1,295.34	3.33	389.656	
600.00	600.00	627.81	603.17	2.07	1.99	-135.36	-923.95	-912.51	1,298.60	1,294.54	4.06	319.589	
700.00	700.00	726.14	701.48	2.43	2.34	-135.30	-922.91	-913.28	1,298.40	1,293.64	4.77	272.485	
740.23	740.23	764.89	740.23	2.57	2.48	-135.28	-922.56	-913.60	1,298.38	1,293.33	5.04	257.386	
800.00	800.00	823.41	798.75	2.79	2.68	-135.25	-922.15	-914.07	1,298.42	1,292.96	5.46	237.676	
900.00	900.00	925.02	900.35	3.14	3.04	-135.20	-921.39	-914.94	1,298.49	1,292.31	6.18	210.251	
1,000.00	1,000.00	1,034.68	1,010.01	3.50	3.42	-135.17	-920.62	-915.26	1,298.21	1,291.29	6.92	187.709	
1,100.00	1,100.00	1,149.21	1,124.53	3.86	3.82	-135.17	-919.52	-914.04	1,296.76	1,289.09	7.67	169.022	
1,200.00	1,200.00	1,257.20	1,232.49	4.22	4.20	-135.20	-918.22	-911.98	1,294.56	1,286.15	8.41	154.006	
1,300.00	1,299.98	1,362.15	1,337.40	4.57	4.57	-58.17	-916.86	-909.25	1,290.89	1,281.76	9.12	141.490	
1,400.00	1,399.84	1,472.59	1,447.76	4.92	4.96	-58.57	-915.67	-905.40	1,284.93	1,275.08	9.86	130.374	
1,500.00	1,499.45	1,577.71	1,552.76	5.27	5.33	-59.20	-914.56	-900.46	1,276.38	1,265.80	10.57	120.717	
1,600.00	1,598.70	1,677.86	1,652.77	5.62	5.69	-60.00	-913.65	-895.27	1,265.93	1,254.65	11.28	112.259	
1,700.00	1,697.47	1,769.49	1,744.28	5.98	6.02	-60.91	-912.90	-890.60	1,254.05	1,242.10	11.95	104.905	
1,800.00	1,795.62	1,862.01	1,836.69	6.33	6.35	-61.98	-912.47	-886.30	1,241.30	1,228.66	12.64	98.234	
1,900.00	1,893.06	1,953.68	1,928.28	6.70	6.67	-63.20	-911.97	-882.52	1,227.57	1,214.25	13.32	92.178	
2,000.00	1,989.72	2,043.88	2,018.43	7.06	6.98	-64.44	-911.54	-879.38	1,213.32	1,199.32	14.00	86.687	
2,100.00	2,086.22	2,135.82	2,110.33	7.43	7.31	-65.57	-911.16	-876.69	1,199.71	1,185.02	14.68	81.702	
2,200.00	2,182.72	2,229.63	2,204.10	7.80	7.63	-66.74	-910.81	-874.22	1,186.84	1,171.46	15.38	77.161	
2,300.00	2,279.23	2,323.26	2,297.71	8.18	7.96	-67.92	-910.41	-872.10	1,174.70	1,158.62	16.08	73.046	
2,400.00	2,375.73	2,416.51	2,390.94	8.56	8.28	-69.10	-910.01	-870.33	1,163.32	1,146.53	16.78	69.313	
2,500.00	2,472.23	2,509.72	2,484.14	8.94	8.61	-70.29	-909.71	-868.84	1,152.73	1,135.25	17.49	65.915	
2,600.00	2,568.74	2,604.01	2,578.42	9.32	8.93	-71.50	-909.40	-867.68	1,142.91	1,124.71	18.20	62.803	
2,700.00	2,665.24	2,696.16	2,670.57	9.70	9.25	-72.70	-909.23	-866.78	1,133.91	1,115.01	18.90	59.983	
2,800.00	2,761.74	2,793.24	2,767.64	10.09	9.59	-73.97	-909.13	-866.01	1,125.64	1,106.01	19.63	57.350	
2,900.00	2,858.25	2,888.56	2,862.97	10.47	9.92	-75.22	-908.94	-865.42	1,117.95	1,097.60	20.35	54.944	
3,000.00	2,954.75	2,985.36	2,959.76	10.86	10.26	-76.50	-908.65	-865.08	1,110.89	1,089.82	21.07	52.715	
3,100.00	3,051.25	3,082.02	3,056.42	11.25	10.60	-77.76	-908.10	-865.18	1,104.38	1,082.57	21.80	50.658	
3,200.00	3,147.75	3,179.71	3,154.11	11.64	10.94	-79.04	-907.37	-865.57	1,098.39	1,075.86	22.53	48.747	
3,300.00	3,244.26	3,275.11	3,249.50	12.03	11.27	-80.28	-906.53	-866.18	1,092.95	1,069.69	23.26	46.992	
3,400.00	3,340.76	3,367.97	3,342.36	12.42	11.59	-81.50	-905.92	-866.85	1,088.31	1,064.33	23.98	45.392	
3,500.00	3,437.26	3,462.78	3,437.17	12.82	11.92	-82.75	-905.55	-867.74	1,084.56	1,059.86	24.70	43.908	
3,600.00	3,533.77	3,551.15	3,525.52	13.21	12.23	-83.92	-905.45	-868.64	1,081.67	1,056.27	25.40	42.580	
3,700.00	3,630.27	3,646.03	3,620.40	13.60	12.56	-85.18	-906.14	-870.01	1,080.26	1,054.13	26.13	41.344	
3,800.00	3,726.77	3,750.98	3,725.33	14.00	12.93	-86.59	-906.26	-871.07	1,078.72	1,051.83	26.89	40.114	
3,900.00	3,823.28	3,847.62	3,821.97	14.39	13.26	-87.89	-906.11	-871.82	1,077.49	1,049.86	27.63	39.003	
4,000.00	3,919.78	3,944.12	3,918.47	14.79	13.60	-89.19	-906.08	-872.69	1,076.99	1,048.63	28.36	37.976	
4,062.70	3,980.29	4,006.10	3,980.45	15.03	13.82	-90.03	-905.98	-873.21	1,076.89	1,048.07	28.83	37.359	
4,100.00	4,016.28	4,040.59	4,014.94	15.18	13.94	-90.50	-905.93	-873.50	1,076.96	1,047.87	29.09	37.016	
4,200.00	4,112.78	4,135.23	4,109.57	15.58	14.27	-91.77	-906.02	-874.39	1,077.78	1,047.96	29.82	36.140	
4,300.00	4,209.29	4,231.70	4,206.04	15.97	14.60	-93.07	-906.10	-875.25	1,079.18	1,048.62	30.56	35.317	
4,400.00	4,305.79	4,325.18	4,299.52	16.37	14.93	-94.33	-906.40	-876.15	1,081.42	1,050.14	31.28	34.572	
4,500.00	4,402.29	4,420.21	4,394.54	16.77	15.26	-95.60	-906.87	-877.11	1,084.41	1,052.40	32.01	33.878	
4,600.00	4,498.80	4,513.02	4,487.35	17.17	15.58	-96.83	-907.60	-878.05	1,088.27	1,055.54	32.73	33.251	
4,700.00	4,595.30	4,606.91	4,581.22	17.56	15.91	-98.07	-908.63	-878.92	1,093.00	1,059.55	33.45	32.673	
4,800.00	4,691.80	4,701.22	4,675.52	17.96	16.23	-99.33	-909.90	-879.50	1,098.54	1,064.36	34.18	32.142	
4,900.00	4,788.31	4,796.47	4,770.76	18.36	16.57	-100.59	-911.35	-879.90	1,104.82	1,069.92	34.91	31.651	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,000.00	4,884.81	4,889.41	4,863.69	18.76	16.89	-101.82	-912.96	-880.13	1,111.89	1,076.27	35.62	31.212	
5,100.00	4,981.31	4,981.25	4,955.51	19.16	17.21	-103.03	-914.88	-880.09	1,119.89	1,083.55	36.33	30.822	
5,200.00	5,077.81	5,075.73	5,049.95	19.55	17.54	-104.27	-917.16	-879.95	1,128.77	1,091.71	37.06	30.460	
5,300.00	5,174.32	5,168.08	5,142.27	19.95	17.86	-105.46	-919.56	-879.74	1,138.42	1,100.65	37.77	30.141	
5,400.00	5,270.82	5,262.24	5,236.39	20.35	18.19	-106.65	-922.34	-879.57	1,148.94	1,110.45	38.49	29.851	
5,500.00	5,367.32	5,358.41	5,332.52	20.75	18.52	-107.83	-925.26	-879.79	1,160.06	1,120.84	39.22	29.579	
5,600.00	5,463.83	5,457.37	5,431.44	21.15	18.86	-109.01	-928.23	-880.21	1,171.62	1,131.66	39.96	29.317	
5,700.00	5,560.33	5,554.98	5,529.01	21.55	19.20	-110.16	-930.89	-880.64	1,183.41	1,142.71	40.70	29.075	
5,800.00	5,656.83	5,653.00	5,627.00	21.95	19.55	-111.31	-933.50	-880.60	1,195.67	1,154.23	41.44	28.852	
5,900.00	5,753.34	5,755.32	5,729.28	22.35	19.90	-112.46	-935.93	-881.03	1,208.08	1,165.87	42.21	28.624	
6,000.00	5,849.84	5,861.10	5,835.03	22.75	20.27	-113.59	-937.99	-882.51	1,220.32	1,177.33	42.99	28.388	
6,100.00	5,946.34	5,969.45	5,943.36	23.15	20.65	-114.72	-939.18	-884.27	1,232.12	1,188.34	43.78	28.144	
6,200.00	6,042.85	6,053.83	6,027.74	23.55	20.94	-115.64	-939.59	-884.47	1,244.08	1,199.63	44.45	27.989	
6,300.00	6,139.35	6,135.34	6,109.23	23.95	21.23	-116.54	-941.09	-883.74	1,257.95	1,212.85	45.10	27.894	
6,400.00	6,235.85	6,232.21	6,206.07	24.35	21.57	-117.60	-943.28	-882.66	1,272.74	1,226.91	45.83	27.771	
6,500.00	6,332.35	6,335.29	6,309.13	24.75	21.93	-118.69	-945.20	-881.88	1,287.48	1,240.88	46.60	27.630	
6,600.00	6,428.86	6,432.45	6,406.27	25.15	22.26	-119.66	-946.95	-881.77	1,302.40	1,255.07	47.33	27.516	
6,700.00	6,525.36	6,527.91	6,501.71	25.55	22.60	-120.58	-948.85	-882.18	1,317.68	1,269.62	48.06	27.419	
6,800.00	6,621.86	6,625.15	6,598.93	25.95	22.94	-121.48	-951.02	-882.92	1,333.43	1,284.64	48.79	27.329	
6,900.00	6,718.31	6,746.93	6,720.68	26.35	23.36	-93.30	-952.82	-884.13	1,343.58	1,293.92	49.66	27.057	
7,000.00	6,812.98	6,863.36	6,837.08	26.72	23.77	-70.62	-952.18	-886.76	1,336.31	1,285.84	50.47	26.479	
7,100.00	6,903.02	6,956.90	6,930.57	27.06	24.09	-60.45	-951.43	-889.68	1,313.96	1,262.83	51.13	25.697	
7,200.00	6,985.68	7,037.89	7,011.49	27.35	24.38	-57.19	-951.02	-892.99	1,278.09	1,226.38	51.71	24.718	
7,300.00	7,058.46	7,105.78	7,079.30	27.60	24.62	-58.09	-951.25	-896.27	1,230.81	1,178.62	52.19	23.583	
7,400.00	7,119.14	7,164.40	7,137.83	27.80	24.82	-62.27	-951.88	-899.38	1,174.13	1,121.52	52.61	22.318	
7,500.00	7,165.89	7,210.67	7,184.03	27.97	24.98	-69.21	-952.60	-901.97	1,110.40	1,057.44	52.96	20.966	
7,600.00	7,197.27	7,242.81	7,216.11	28.12	25.10	-78.19	-953.21	-903.81	1,042.36	989.11	53.25	19.576	
7,700.00	7,212.34	7,259.75	7,233.02	28.27	25.16	-87.99	-953.56	-904.80	972.91	919.44	53.48	18.193	
7,800.00	7,214.21	7,264.12	7,237.38	28.43	25.17	-91.51	-953.66	-905.05	905.59	851.93	53.66	16.876	
7,900.00	7,215.05	7,267.54	7,240.80	28.59	25.18	-91.80	-953.74	-905.25	844.53	790.68	53.85	15.684	
8,000.00	7,215.88	7,270.99	7,244.23	28.77	25.20	-92.10	-953.81	-905.45	790.78	736.75	54.03	14.637	
8,100.00	7,216.72	7,274.30	7,247.54	28.96	25.21	-92.41	-953.89	-905.64	743.59	689.42	54.18	13.725	
8,200.00	7,217.56	7,277.48	7,250.71	29.16	25.22	-92.70	-953.96	-905.83	704.20	649.92	54.28	12.974	
8,300.00	7,218.40	7,280.63	7,253.86	29.36	25.23	-92.97	-954.04	-906.01	676.15	621.84	54.31	12.451	
8,400.00	7,219.24	7,283.83	7,257.05	29.58	25.24	-93.25	-954.11	-906.20	662.14	607.90	54.24	12.207	
8,443.81	7,219.60	7,285.25	7,258.47	29.68	25.25	-93.37	-954.15	-906.29	660.69	606.50	54.19	12.192	CC, ES, SF
8,500.00	7,220.07	7,287.09	7,260.31	29.81	25.25	-93.53	-954.19	-906.39	663.07	608.98	54.09	12.259	
8,600.00	7,220.91	7,290.41	7,263.61	30.06	25.26	-93.82	-954.27	-906.59	678.88	625.01	53.87	12.603	
8,700.00	7,221.75	7,293.78	7,266.98	30.32	25.28	-94.11	-954.35	-906.79	708.57	654.96	53.61	13.217	
8,800.00	7,222.59	7,297.21	7,270.40	30.60	25.29	-94.41	-954.44	-906.99	750.49	697.13	53.36	14.065	
8,900.00	7,223.42	7,300.70	7,273.89	30.89	25.30	-94.71	-954.52	-907.20	802.74	749.60	53.14	15.107	
9,000.00	7,224.26	7,303.81	7,276.99	31.19	25.31	-94.98	-954.60	-907.38	863.43	810.48	52.95	16.307	
9,100.00	7,225.10	7,306.98	7,280.16	31.51	25.32	-95.26	-954.68	-907.56	930.92	878.12	52.80	17.631	
9,200.00	7,225.94	7,310.15	7,283.32	31.84	25.33	-95.53	-954.76	-907.75	1,003.84	951.15	52.69	19.052	
9,300.00	7,226.78	7,313.32	7,286.48	32.19	25.35	-95.80	-954.84	-907.93	1,081.09	1,028.48	52.61	20.549	
9,400.00	7,227.61	7,316.48	7,289.64	32.55	25.36	-96.08	-954.92	-908.12	1,161.81	1,109.26	52.56	22.106	
9,500.00	7,228.45	7,319.64	7,292.79	32.92	25.37	-96.35	-955.00	-908.30	1,245.32	1,192.80	52.52	23.710	
9,600.00	7,229.29	7,322.80	7,295.94	33.30	25.38	-96.62	-955.08	-908.48	1,331.10	1,278.60	52.50	25.352	
9,700.00	7,230.13	7,325.95	7,299.08	33.70	25.39	-96.90	-955.16	-908.66	1,418.73	1,366.24	52.50	27.025	
9,800.00	7,230.96	7,329.09	7,302.22	34.11	25.40	-97.17	-955.23	-908.84	1,507.90	1,455.40	52.50	28.722	
9,900.00	7,231.80	7,332.24	7,305.36	34.52	25.41	-97.44	-955.31	-909.02	1,598.34	1,545.83	52.51	30.438	
10,000.00	7,232.64	7,335.38	7,308.50	34.96	25.42	-97.71	-955.39	-909.20	1,689.86	1,637.33	52.53	32.170	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	7,233.48	7,338.52	7,311.63	35.40	25.43	-97.98	-955.47	-909.38	1,782.28	1,729.73	52.55	33.916	
10,200.00	7,234.32	7,341.65	7,314.76	35.85	25.45	-98.25	-955.55	-909.56	1,875.47	1,822.89	52.58	35.671	
10,300.00	7,235.15	7,344.78	7,317.88	36.31	25.46	-98.52	-955.62	-909.73	1,969.33	1,916.72	52.61	37.435	
10,400.00	7,235.99	7,347.91	7,321.00	36.78	25.47	-98.79	-955.70	-909.91	2,063.75	2,011.11	52.64	39.206	
10,500.00	7,236.83	7,351.03	7,324.12	37.27	25.48	-99.05	-955.78	-910.08	2,158.68	2,106.00	52.67	40.983	
10,600.00	7,237.67	7,354.15	7,327.23	37.76	25.49	-99.32	-955.86	-910.26	2,254.04	2,201.33	52.71	42.763	
10,700.00	7,238.50	7,357.27	7,330.34	38.26	25.50	-99.59	-955.93	-910.43	2,349.78	2,297.03	52.75	44.547	
10,800.00	7,239.34	7,360.38	7,333.45	38.76	25.51	-99.86	-956.01	-910.60	2,445.85	2,393.07	52.79	46.332	
10,900.00	7,240.18	7,363.49	7,336.55	39.28	25.52	-100.12	-956.09	-910.77	2,542.23	2,489.40	52.83	48.120	
11,000.00	7,241.02	7,366.59	7,339.65	39.80	25.53	-100.39	-956.16	-910.94	2,638.87	2,586.00	52.87	49.908	
11,100.00	7,241.86	7,369.69	7,342.75	40.34	25.54	-100.65	-956.24	-911.11	2,735.75	2,682.83	52.92	51.697	
11,200.00	7,242.69	7,372.79	7,345.84	40.87	25.55	-100.91	-956.32	-911.28	2,832.84	2,779.88	52.97	53.485	
11,300.00	7,243.53	7,375.89	7,348.93	41.42	25.57	-101.18	-956.39	-911.45	2,930.13	2,877.12	53.01	55.273	
11,400.00	7,244.37	7,378.98	7,352.01	41.97	25.58	-101.44	-956.47	-911.61	3,027.59	2,974.53	53.06	57.060	
11,500.00	7,245.21	7,382.07	7,355.10	42.53	25.59	-101.70	-956.54	-911.78	3,125.20	3,072.09	53.11	58.845	
11,600.00	7,246.04	7,385.15	7,358.18	43.10	25.60	-101.96	-956.62	-911.95	3,222.96	3,169.80	53.16	60.629	
11,700.00	7,246.88	7,388.23	7,361.25	43.67	25.61	-102.22	-956.70	-912.11	3,320.85	3,267.64	53.21	62.410	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	22.67	-1.93	0.00	0.03	-135.63	-925.91	-905.90	1,295.37				
100.00	100.00	115.45	90.85	0.28	0.20	-135.61	-926.00	-906.41	1,295.82	1,295.34	0.48	2,726.583	
200.00	200.00	212.19	187.58	0.63	0.54	-135.57	-925.96	-907.63	1,296.67	1,295.49	1.17	1,103.944	
300.00	300.00	313.89	289.27	0.99	0.90	-135.52	-925.83	-909.08	1,297.58	1,295.68	1.89	686.410	
400.00	400.00	417.88	393.25	1.35	1.26	-135.47	-925.48	-910.42	1,298.23	1,295.62	2.61	496.840	
500.00	500.00	521.21	496.57	1.71	1.62	-135.41	-924.89	-911.66	1,298.67	1,295.34	3.33	389.656	
600.00	600.00	627.81	603.17	2.07	1.99	-135.36	-923.95	-912.51	1,298.60	1,294.54	4.06	319.589	
700.00	700.00	726.14	701.48	2.43	2.34	-135.30	-922.91	-913.28	1,298.40	1,293.64	4.77	272.485	
740.23	740.23	764.89	740.23	2.57	2.48	-135.28	-922.56	-913.60	1,298.38	1,293.33	5.04	257.386	
800.00	800.00	823.41	798.75	2.79	2.68	-135.25	-922.15	-914.07	1,298.42	1,292.96	5.46	237.676	
900.00	900.00	925.02	900.35	3.14	3.04	-135.20	-921.39	-914.94	1,298.49	1,292.31	6.18	210.251	
1,000.00	1,000.00	1,034.68	1,010.01	3.50	3.42	-135.17	-920.62	-915.26	1,298.21	1,291.29	6.92	187.709	
1,100.00	1,100.00	1,149.21	1,124.53	3.86	3.82	-135.17	-919.52	-914.04	1,296.76	1,289.09	7.67	169.022	
1,200.00	1,200.00	1,257.20	1,232.49	4.22	4.20	-135.20	-918.22	-911.98	1,294.56	1,286.15	8.41	154.006	
1,300.00	1,299.98	1,362.15	1,337.40	4.57	4.57	-58.17	-916.86	-909.25	1,290.89	1,281.76	9.12	141.490	
1,400.00	1,399.84	1,472.59	1,447.76	4.92	4.96	-58.57	-915.67	-905.40	1,284.93	1,275.08	9.86	130.374	
1,500.00	1,499.45	1,577.71	1,552.76	5.27	5.33	-59.20	-914.56	-900.46	1,276.38	1,265.80	10.57	120.717	
1,600.00	1,598.70	1,677.86	1,652.77	5.62	5.69	-60.00	-913.65	-895.27	1,265.93	1,254.65	11.28	112.259	
1,700.00	1,697.47	1,769.49	1,744.28	5.98	6.02	-60.91	-912.90	-890.60	1,254.05	1,242.10	11.95	104.905	
1,800.00	1,795.62	1,862.01	1,836.69	6.33	6.35	-61.98	-912.47	-886.30	1,241.30	1,228.66	12.64	98.234	
1,900.00	1,893.06	1,953.68	1,928.28	6.70	6.67	-63.20	-911.97	-882.52	1,227.57	1,214.25	13.32	92.178	
2,000.00	1,989.72	2,043.88	2,018.43	7.06	6.98	-64.44	-911.54	-879.38	1,213.32	1,199.32	14.00	86.687	
2,100.00	2,086.22	2,135.82	2,110.33	7.43	7.31	-65.57	-911.16	-876.69	1,199.71	1,185.02	14.68	81.702	
2,200.00	2,182.72	2,229.63	2,204.10	7.80	7.63	-66.74	-910.81	-874.22	1,186.84	1,171.46	15.38	77.161	
2,300.00	2,279.23	2,323.26	2,297.71	8.18	7.96	-67.92	-910.41	-872.10	1,174.70	1,158.62	16.08	73.046	
2,400.00	2,375.73	2,416.51	2,390.94	8.56	8.28	-69.10	-910.01	-870.33	1,163.32	1,146.53	16.78	69.313	
2,500.00	2,472.23	2,509.72	2,484.14	8.94	8.61	-70.29	-909.71	-868.84	1,152.73	1,135.25	17.49	65.915	
2,600.00	2,568.74	2,604.01	2,578.42	9.32	8.93	-71.50	-909.40	-867.68	1,142.91	1,124.71	18.20	62.803	
2,700.00	2,665.24	2,696.16	2,670.57	9.70	9.25	-72.70	-909.23	-866.78	1,133.91	1,115.01	18.90	59.983	
2,800.00	2,761.74	2,793.24	2,767.64	10.09	9.59	-73.97	-909.13	-866.01	1,125.64	1,106.01	19.63	57.350	
2,900.00	2,858.25	2,888.56	2,862.97	10.47	9.92	-75.22	-908.94	-865.42	1,117.95	1,097.60	20.35	54.944	
3,000.00	2,954.75	2,985.36	2,959.76	10.86	10.26	-76.50	-908.65	-865.08	1,110.89	1,089.82	21.07	52.715	
3,100.00	3,051.25	3,082.02	3,056.42	11.25	10.60	-77.76	-908.10	-865.18	1,104.38	1,082.57	21.80	50.658	
3,200.00	3,147.75	3,179.71	3,154.11	11.64	10.94	-79.04	-907.37	-865.57	1,098.39	1,075.86	22.53	48.747	
3,300.00	3,244.26	3,275.11	3,249.50	12.03	11.27	-80.28	-906.53	-866.18	1,092.95	1,069.69	23.26	46.992	
3,400.00	3,340.76	3,367.97	3,342.36	12.42	11.59	-81.50	-905.92	-866.85	1,088.31	1,064.33	23.98	45.392	
3,500.00	3,437.26	3,462.78	3,437.17	12.82	11.92	-82.75	-905.55	-867.74	1,084.56	1,059.86	24.70	43.908	
3,600.00	3,533.77	3,551.15	3,525.52	13.21	12.23	-83.92	-905.45	-868.64	1,081.67	1,056.27	25.40	42.580	
3,700.00	3,630.27	3,646.03	3,620.40	13.60	12.56	-85.18	-906.14	-870.01	1,080.26	1,054.13	26.13	41.344	
3,800.00	3,726.77	3,750.98	3,725.33	14.00	12.93	-86.59	-906.26	-871.07	1,078.72	1,051.83	26.89	40.114	
3,900.00	3,823.28	3,847.62	3,821.97	14.39	13.26	-87.89	-906.11	-871.82	1,077.49	1,049.86	27.63	39.003	
4,000.00	3,919.78	3,944.12	3,918.47	14.79	13.60	-89.19	-906.08	-872.69	1,076.99	1,048.63	28.36	37.976	
4,062.70	3,980.29	4,006.10	3,980.45	15.03	13.82	-90.03	-905.98	-873.21	1,076.89	1,048.07	28.83	37.359	
4,100.00	4,016.28	4,040.59	4,014.94	15.18	13.94	-90.50	-905.93	-873.50	1,076.96	1,047.87	29.09	37.016	
4,200.00	4,112.78	4,135.23	4,109.57	15.58	14.27	-91.77	-906.02	-874.39	1,077.78	1,047.96	29.82	36.140	
4,300.00	4,209.29	4,231.70	4,206.04	15.97	14.60	-93.07	-906.10	-875.25	1,079.18	1,048.62	30.56	35.317	
4,400.00	4,305.79	4,325.18	4,299.52	16.37	14.93	-94.33	-906.40	-876.15	1,081.42	1,050.14	31.28	34.572	
4,500.00	4,402.29	4,420.21	4,394.54	16.77	15.26	-95.60	-906.87	-877.11	1,084.41	1,052.40	32.01	33.878	
4,600.00	4,498.80	4,513.02	4,487.35	17.17	15.58	-96.83	-907.60	-878.05	1,088.27	1,055.54	32.73	33.251	
4,700.00	4,595.30	4,606.91	4,581.22	17.56	15.91	-98.07	-908.63	-878.92	1,093.00	1,059.55	33.45	32.673	
4,800.00	4,691.80	4,701.22	4,675.52	17.96	16.23	-99.33	-909.90	-879.50	1,098.54	1,064.36	34.18	32.142	
4,900.00	4,788.31	4,796.47	4,770.76	18.36	16.57	-100.59	-911.35	-879.90	1,104.82	1,069.92	34.91	31.651	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,884.81	4,889.41	4,863.69	18.76	16.89	-101.82	-912.96	-880.13	1,111.89	1,076.27	35.62	31.212	
5,100.00	4,981.31	4,981.25	4,955.51	19.16	17.21	-103.03	-914.88	-880.09	1,119.89	1,083.55	36.33	30.822	
5,200.00	5,077.81	5,075.73	5,049.95	19.55	17.54	-104.27	-917.16	-879.95	1,128.77	1,091.71	37.06	30.460	
5,300.00	5,174.32	5,168.08	5,142.27	19.95	17.86	-105.46	-919.56	-879.74	1,138.42	1,100.65	37.77	30.141	
5,400.00	5,270.82	5,262.24	5,236.39	20.35	18.19	-106.65	-922.34	-879.57	1,148.94	1,110.45	38.49	29.851	
5,500.00	5,367.32	5,358.41	5,332.52	20.75	18.52	-107.83	-925.26	-879.79	1,160.06	1,120.84	39.22	29.579	
5,600.00	5,463.83	5,457.37	5,431.44	21.15	18.86	-109.01	-928.23	-880.21	1,171.62	1,131.66	39.96	29.317	
5,700.00	5,560.33	5,554.98	5,529.01	21.55	19.20	-110.16	-930.89	-880.64	1,183.41	1,142.71	40.70	29.075	
5,800.00	5,656.83	5,653.00	5,627.00	21.95	19.55	-111.31	-933.50	-880.60	1,195.67	1,154.23	41.44	28.852	
5,900.00	5,753.34	5,755.32	5,729.28	22.35	19.90	-112.46	-935.93	-881.03	1,208.08	1,165.87	42.21	28.624	
6,000.00	5,849.84	5,861.10	5,835.03	22.75	20.27	-113.59	-937.99	-882.51	1,220.32	1,177.33	42.99	28.388	
6,100.00	5,946.34	5,969.45	5,943.36	23.15	20.65	-114.72	-939.18	-884.27	1,232.12	1,188.34	43.78	28.144	
6,200.00	6,042.85	6,053.83	6,027.74	23.55	20.94	-115.64	-939.59	-884.47	1,244.08	1,199.63	44.45	27.989	
6,300.00	6,139.35	6,135.34	6,109.23	23.95	21.23	-116.54	-941.09	-883.74	1,257.95	1,212.85	45.10	27.894	
6,400.00	6,235.85	6,232.21	6,206.07	24.35	21.57	-117.60	-943.28	-882.66	1,272.74	1,226.91	45.83	27.771	
6,500.00	6,332.35	6,335.29	6,309.13	24.75	21.93	-118.69	-945.20	-881.88	1,287.48	1,240.88	46.60	27.630	
6,600.00	6,428.86	6,432.45	6,406.27	25.15	22.26	-119.66	-946.95	-881.77	1,302.40	1,255.07	47.33	27.516	
6,700.00	6,525.36	6,527.91	6,501.71	25.55	22.60	-120.58	-948.85	-882.18	1,317.68	1,269.62	48.06	27.419	
6,800.00	6,621.86	6,625.15	6,598.93	25.95	22.94	-121.48	-951.02	-882.92	1,333.43	1,284.64	48.79	27.329	
6,900.00	6,718.31	6,746.93	6,720.68	26.35	23.36	-93.30	-952.82	-884.13	1,343.58	1,293.92	49.66	27.057	
7,000.00	6,812.98	6,863.36	6,837.08	26.72	23.77	-70.62	-952.18	-886.76	1,336.31	1,285.84	50.47	26.479	
7,100.00	6,903.02	6,956.90	6,930.57	27.06	24.09	-60.45	-951.43	-889.68	1,313.96	1,262.83	51.13	25.697	
7,200.00	6,985.68	7,037.89	7,011.49	27.35	24.38	-57.19	-951.02	-892.99	1,278.09	1,226.38	51.71	24.718	
7,300.00	7,058.46	7,105.78	7,079.30	27.60	24.62	-58.09	-951.25	-896.27	1,230.81	1,178.62	52.19	23.583	
7,400.00	7,119.14	7,164.40	7,137.83	27.80	24.82	-62.27	-951.88	-899.38	1,174.13	1,121.52	52.61	22.318	
7,500.00	7,165.89	7,210.67	7,184.03	27.97	24.98	-69.21	-952.60	-901.97	1,110.40	1,057.44	52.96	20.966	
7,600.00	7,197.27	7,242.81	7,216.11	28.12	25.10	-78.19	-953.21	-903.81	1,042.36	989.11	53.25	19.576	
7,700.00	7,212.34	7,259.75	7,233.02	28.27	25.16	-87.99	-953.56	-904.80	972.91	919.44	53.48	18.193	
7,800.00	7,214.21	7,264.12	7,237.38	28.43	25.17	-91.51	-953.66	-905.05	905.59	851.93	53.66	16.876	
7,900.00	7,215.05	7,267.54	7,240.80	28.59	25.18	-91.80	-953.74	-905.25	844.53	790.68	53.85	15.684	
8,000.00	7,215.88	7,270.99	7,244.23	28.77	25.20	-92.10	-953.81	-905.45	790.78	736.75	54.03	14.637	
8,100.00	7,216.72	7,274.30	7,247.54	28.96	25.21	-92.41	-953.89	-905.64	743.59	689.42	54.18	13.725	
8,200.00	7,217.56	7,277.48	7,250.71	29.16	25.22	-92.70	-953.96	-905.83	704.20	649.92	54.28	12.974	
8,300.00	7,218.40	7,280.63	7,253.86	29.36	25.23	-92.97	-954.04	-906.01	676.15	621.84	54.31	12.451	
8,400.00	7,219.24	7,283.83	7,257.05	29.58	25.24	-93.25	-954.11	-906.20	662.14	607.90	54.24	12.207	
8,443.81	7,219.60	7,285.25	7,258.47	29.68	25.25	-93.37	-954.15	-906.29	660.69	606.50	54.19	12.192	CC, ES, SF
8,500.00	7,220.07	7,287.09	7,260.31	29.81	25.25	-93.53	-954.19	-906.39	663.07	608.98	54.09	12.259	
8,600.00	7,220.91	7,290.41	7,263.61	30.06	25.26	-93.82	-954.27	-906.59	678.88	625.01	53.87	12.603	
8,700.00	7,221.75	7,293.78	7,266.98	30.32	25.28	-94.11	-954.35	-906.79	708.57	654.96	53.61	13.217	
8,800.00	7,222.59	7,297.21	7,270.40	30.60	25.29	-94.41	-954.44	-906.99	750.49	697.13	53.36	14.065	
8,900.00	7,223.42	7,300.70	7,273.89	30.89	25.30	-94.71	-954.52	-907.20	802.74	749.60	53.14	15.107	
9,000.00	7,224.26	7,303.81	7,276.99	31.19	25.31	-94.98	-954.60	-907.38	863.43	810.48	52.95	16.307	
9,100.00	7,225.10	7,306.98	7,280.16	31.51	25.32	-95.26	-954.68	-907.56	930.92	878.12	52.80	17.631	
9,200.00	7,225.94	7,310.15	7,283.32	31.84	25.33	-95.53	-954.76	-907.75	1,003.84	951.15	52.69	19.052	
9,300.00	7,226.78	7,313.32	7,286.48	32.19	25.35	-95.80	-954.84	-907.93	1,081.09	1,028.48	52.61	20.549	
9,400.00	7,227.61	7,316.48	7,289.64	32.55	25.36	-96.08	-954.92	-908.12	1,161.81	1,109.26	52.56	22.106	
9,500.00	7,228.45	7,319.64	7,292.79	32.92	25.37	-96.35	-955.00	-908.30	1,245.32	1,192.80	52.52	23.710	
9,600.00	7,229.29	7,322.80	7,295.94	33.30	25.38	-96.62	-955.08	-908.48	1,331.10	1,278.60	52.50	25.352	
9,700.00	7,230.13	7,325.95	7,299.08	33.70	25.39	-96.90	-955.16	-908.66	1,418.73	1,366.24	52.50	27.025	
9,800.00	7,230.96	7,329.09	7,302.22	34.11	25.40	-97.17	-955.23	-908.84	1,507.90	1,455.40	52.50	28.722	
9,900.00	7,231.80	7,332.24	7,305.36	34.52	25.41	-97.44	-955.31	-909.02	1,598.34	1,545.83	52.51	30.438	
10,000.00	7,232.64	7,335.38	7,308.50	34.96	25.42	-97.71	-955.39	-909.20	1,689.86	1,637.33	52.53	32.170	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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

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
10,100.00	7,233.48	7,338.52	7,311.63	35.40	25.43	-97.98	-955.47	-909.38	1,782.28	1,729.73	52.55	33.916	
10,200.00	7,234.32	7,341.65	7,314.76	35.85	25.45	-98.25	-955.55	-909.56	1,875.47	1,822.89	52.58	35.671	
10,300.00	7,235.15	7,344.78	7,317.88	36.31	25.46	-98.52	-955.62	-909.73	1,969.33	1,916.72	52.61	37.435	
10,400.00	7,235.99	7,347.91	7,321.00	36.78	25.47	-98.79	-955.70	-909.91	2,063.75	2,011.11	52.64	39.206	
10,500.00	7,236.83	7,351.03	7,324.12	37.27	25.48	-99.05	-955.78	-910.08	2,158.68	2,106.00	52.67	40.983	
10,600.00	7,237.67	7,354.15	7,327.23	37.76	25.49	-99.32	-955.86	-910.26	2,254.04	2,201.33	52.71	42.763	
10,700.00	7,238.50	7,357.27	7,330.34	38.26	25.50	-99.59	-955.93	-910.43	2,349.78	2,297.03	52.75	44.547	
10,800.00	7,239.34	7,360.38	7,333.45	38.76	25.51	-99.86	-956.01	-910.60	2,445.85	2,393.07	52.79	46.332	
10,900.00	7,240.18	7,363.49	7,336.55	39.28	25.52	-100.12	-956.09	-910.77	2,542.23	2,489.40	52.83	48.120	
11,000.00	7,241.02	7,366.59	7,339.65	39.80	25.53	-100.39	-956.16	-910.94	2,638.87	2,586.00	52.87	49.908	
11,100.00	7,241.86	7,369.69	7,342.75	40.34	25.54	-100.65	-956.24	-911.11	2,735.75	2,682.83	52.92	51.697	
11,200.00	7,242.69	7,372.79	7,345.84	40.87	25.55	-100.91	-956.32	-911.28	2,832.84	2,779.88	52.97	53.485	
11,300.00	7,243.53	7,375.89	7,348.93	41.42	25.57	-101.18	-956.39	-911.45	2,930.13	2,877.12	53.01	55.273	
11,400.00	7,244.37	7,378.98	7,352.01	41.97	25.58	-101.44	-956.47	-911.61	3,027.59	2,974.53	53.06	57.060	
11,500.00	7,245.21	7,382.07	7,355.10	42.53	25.59	-101.70	-956.54	-911.78	3,125.20	3,072.09	53.11	58.845	
11,600.00	7,246.04	7,385.15	7,358.18	43.10	25.60	-101.96	-956.62	-911.95	3,222.96	3,169.80	53.16	60.629	
11,700.00	7,246.88	7,388.23	7,361.25	43.67	25.61	-102.22	-956.70	-912.11	3,320.85	3,267.64	53.21	62.410	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	27.40	0.00	0.00	113.21	-899.65	2,097.74	2,282.69				
100.00	100.00	72.60	100.00	0.28	2.20	113.21	-899.65	2,097.74	2,282.52	2,280.04	2.48	920.004	
200.00	200.00	172.60	200.00	0.63	5.24	113.21	-899.65	2,097.74	2,282.52	2,276.65	5.88	388.426	
300.00	300.00	272.60	300.00	0.99	8.28	113.21	-899.65	2,097.74	2,282.52	2,273.25	9.27	246.182	
400.00	400.00	372.60	400.00	1.35	11.32	113.21	-899.65	2,097.74	2,282.52	2,269.85	12.67	180.194	
500.00	500.00	472.60	500.00	1.71	14.35	113.21	-899.65	2,097.74	2,282.52	2,266.46	16.06	142.104	
600.00	600.00	572.60	600.00	2.07	17.39	113.21	-899.65	2,097.74	2,282.52	2,263.06	19.46	117.307	
700.00	700.00	672.60	700.00	2.43	20.43	113.21	-899.65	2,097.74	2,282.52	2,259.67	22.85	99.878	
800.00	800.00	772.60	800.00	2.79	23.46	113.21	-899.65	2,097.74	2,282.52	2,256.27	26.25	86.959	
900.00	900.00	872.60	900.00	3.14	26.50	113.21	-899.65	2,097.74	2,282.52	2,252.88	29.64	76.998	
1,000.00	1,000.00	972.60	1,000.00	3.50	29.54	113.21	-899.65	2,097.74	2,282.52	2,249.48	33.04	69.086	
1,100.00	1,100.00	1,072.60	1,100.00	3.86	32.57	113.21	-899.65	2,097.74	2,282.52	2,246.09	36.43	62.647	
1,200.00	1,200.00	1,172.60	1,200.00	4.22	35.61	113.21	-899.65	2,097.74	2,282.52	2,242.69	39.83	57.307	CC
1,300.00	1,299.98	1,272.58	1,299.98	4.57	38.65	-169.59	-899.65	2,097.74	2,284.24	2,241.02	43.22	52.854	ES
1,400.00	1,399.84	1,372.44	1,399.84	4.92	41.68	-169.59	-899.65	2,097.74	2,289.39	2,242.79	46.60	49.131	
1,500.00	1,499.45	1,472.05	1,499.45	5.27	44.70	-169.60	-899.65	2,097.74	2,297.96	2,247.99	49.97	45.985	
1,600.00	1,598.70	1,571.30	1,598.70	5.62	47.72	-169.61	-899.65	2,097.74	2,309.95	2,256.61	53.34	43.309	
1,700.00	1,697.47	1,670.07	1,697.47	5.98	50.72	-169.62	-899.65	2,097.74	2,325.34	2,268.65	56.69	41.020	
1,800.00	1,795.62	1,768.22	1,795.62	6.33	53.70	-169.64	-899.65	2,097.74	2,344.12	2,284.10	60.02	39.054	
1,900.00	1,893.06	1,865.66	1,893.06	6.70	56.66	-169.66	-899.65	2,097.74	2,366.27	2,302.93	63.34	37.361	
2,000.00	1,989.72	1,962.32	1,989.72	7.06	59.59	-169.71	-899.65	2,097.74	2,391.49	2,324.86	66.63	35.893	
2,100.00	2,086.22	2,058.82	2,086.22	7.43	62.52	-169.82	-899.65	2,097.74	2,417.31	2,347.40	69.91	34.576	
2,200.00	2,182.72	2,155.32	2,182.72	7.80	65.45	-169.93	-899.65	2,097.74	2,443.15	2,369.95	73.20	33.376	
2,300.00	2,279.23	2,251.83	2,279.23	8.18	68.39	-170.04	-899.65	2,097.74	2,468.99	2,392.50	76.49	32.278	
2,400.00	2,375.73	2,348.33	2,375.73	8.56	71.32	-170.14	-899.65	2,097.74	2,494.84	2,415.05	79.79	31.269	
2,500.00	2,472.23	2,444.83	2,472.23	8.94	74.25	-170.24	-899.65	2,097.74	2,520.69	2,437.61	83.08	30.340	
2,600.00	2,568.74	2,541.34	2,568.74	9.32	77.18	-170.34	-899.65	2,097.74	2,546.56	2,460.18	86.38	29.481	
2,700.00	2,665.24	2,637.84	2,665.24	9.70	80.11	-170.44	-899.65	2,097.74	2,572.43	2,482.75	89.68	28.684	
2,800.00	2,761.74	2,734.34	2,761.74	10.09	83.04	-170.54	-899.65	2,097.74	2,598.30	2,505.32	92.98	27.944	
2,900.00	2,858.25	2,830.85	2,858.25	10.47	85.97	-170.63	-899.65	2,097.74	2,624.19	2,527.90	96.29	27.254	
3,000.00	2,954.75	2,927.35	2,954.75	10.86	88.90	-170.72	-899.65	2,097.74	2,650.08	2,550.49	99.59	26.609	
3,100.00	3,051.25	3,023.85	3,051.25	11.25	91.83	-170.81	-899.65	2,097.74	2,675.98	2,573.08	102.90	26.006	
3,200.00	3,147.75	3,120.35	3,147.75	11.64	94.76	-170.90	-899.65	2,097.74	2,701.88	2,595.67	106.21	25.440	
3,300.00	3,244.26	3,216.86	3,244.26	12.03	97.69	-170.99	-899.65	2,097.74	2,727.79	2,618.27	109.52	24.908	
3,400.00	3,340.76	3,313.36	3,340.76	12.42	100.62	-171.07	-899.65	2,097.74	2,753.71	2,640.88	112.83	24.407	
3,500.00	3,437.26	3,409.86	3,437.26	12.82	103.55	-171.16	-899.65	2,097.74	2,779.63	2,663.49	116.14	23.934	
3,600.00	3,533.77	3,506.37	3,533.77	13.21	106.48	-171.24	-899.65	2,097.74	2,805.55	2,686.10	119.45	23.488	
3,700.00	3,630.27	3,602.87	3,630.27	13.60	109.41	-171.32	-899.65	2,097.74	2,831.48	2,708.72	122.76	23.065	
3,800.00	3,726.77	3,699.37	3,726.77	14.00	112.35	-171.40	-899.65	2,097.74	2,857.42	2,731.35	126.07	22.665	
3,900.00	3,823.28	3,795.88	3,823.28	14.39	115.28	-171.48	-899.65	2,097.74	2,883.36	2,753.98	129.39	22.285	
4,000.00	3,919.78	3,892.38	3,919.78	14.79	118.21	-171.55	-899.65	2,097.74	2,909.31	2,776.61	132.70	21.924	
4,100.00	4,016.28	3,988.88	4,016.28	15.18	121.14	-171.63	-899.65	2,097.74	2,935.26	2,799.25	136.01	21.581	
4,200.00	4,112.78	4,085.38	4,112.78	15.58	124.07	-171.70	-899.65	2,097.74	2,961.21	2,821.89	139.33	21.253	
4,300.00	4,209.29	4,181.89	4,209.29	15.97	127.00	-171.78	-899.65	2,097.74	2,987.18	2,844.53	142.64	20.941	
4,400.00	4,305.79	4,278.39	4,305.79	16.37	129.93	-171.85	-899.65	2,097.74	3,013.14	2,867.18	145.96	20.644	
4,500.00	4,402.29	4,374.89	4,402.29	16.77	132.86	-171.92	-899.65	2,097.74	3,039.11	2,889.83	149.28	20.359	
4,600.00	4,498.80	4,471.40	4,498.80	17.17	135.79	-171.99	-899.65	2,097.74	3,065.08	2,912.49	152.59	20.087	
4,700.00	4,595.30	4,567.90	4,595.30	17.56	138.72	-172.05	-899.65	2,097.74	3,091.06	2,935.15	155.91	19.826	
4,800.00	4,691.80	4,664.40	4,691.80	17.96	141.65	-172.12	-899.65	2,097.74	3,117.04	2,957.81	159.23	19.576	
4,900.00	4,788.31	4,760.91	4,788.31	18.36	144.58	-172.19	-899.65	2,097.74	3,143.03	2,980.48	162.54	19.336	
5,000.00	4,884.81	4,857.41	4,884.81	18.76	147.51	-172.25	-899.65	2,097.74	3,169.01	3,003.15	165.86	19.106	
5,100.00	4,981.31	4,953.91	4,981.31	19.16	150.44	-172.31	-899.65	2,097.74	3,195.01	3,025.83	169.18	18.885	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,050.41	5,077.81	19.55	153.37	-172.38	-899.65	2,097.74	3,221.00	3,048.50	172.50	18.673	
5,300.00	5,174.32	5,146.92	5,174.32	19.95	156.31	-172.44	-899.65	2,097.74	3,247.00	3,071.18	175.82	18.468	
5,400.00	5,270.82	5,243.42	5,270.82	20.35	159.24	-172.50	-899.65	2,097.74	3,273.01	3,093.87	179.14	18.271	
5,500.00	5,367.32	5,339.92	5,367.32	20.75	162.17	-172.56	-899.65	2,097.74	3,299.01	3,116.56	182.46	18.081	
5,600.00	5,463.83	5,436.43	5,463.83	21.15	165.10	-172.62	-899.65	2,097.74	3,325.02	3,139.25	185.78	17.898	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
17,300.00	7,293.80	11,991.00	7,376.43	80.94	71.29	-91.36	-10,471.33	1,656.36	3,323.47	3,171.46	152.01	21.863	
17,400.00	7,294.64	11,991.00	7,376.43	81.66	71.29	-91.36	-10,471.33	1,656.36	3,306.06	3,153.06	153.00	21.609	
17,500.00	7,295.48	11,991.00	7,376.43	82.37	71.29	-91.36	-10,471.33	1,656.36	3,291.60	3,137.73	153.87	21.392	
17,600.00	7,296.31	11,991.00	7,376.43	83.09	71.29	-91.36	-10,471.33	1,656.36	3,280.12	3,125.49	154.63	21.213	
17,700.00	7,297.15	11,991.00	7,376.43	83.80	71.29	-91.36	-10,471.33	1,656.36	3,271.80	3,116.53	155.27	21.071	
17,800.00	7,297.99	11,991.00	7,376.43	84.52	71.29	-91.36	-10,471.33	1,656.36	3,266.63	3,110.83	155.79	20.968	
17,900.00	7,298.83	11,991.00	7,376.43	85.24	71.29	-91.36	-10,471.33	1,656.36	3,264.51	3,108.32	156.19	20.900	
17,919.14	7,298.99	11,991.00	7,376.43	85.38	71.29	-91.36	-10,471.33	1,656.36	3,264.45	3,108.20	156.26	20.892	
18,000.00	7,299.66	11,970.81	7,376.48	85.96	71.02	-91.36	-10,491.51	1,656.48	3,265.39	3,109.09	156.30	20.892	
18,100.00	7,300.50	11,872.43	7,376.14	86.68	69.72	-91.34	-10,589.89	1,657.13	3,267.27	3,111.56	155.70	20.984	
18,200.00	7,301.34	11,802.51	7,374.84	87.40	68.80	-91.30	-10,659.80	1,657.94	3,269.61	3,114.27	155.34	21.048	
18,300.00	7,302.18	11,728.87	7,373.69	88.12	67.84	-91.27	-10,733.41	1,659.47	3,272.88	3,117.93	154.94	21.123	
18,400.00	7,303.01	11,642.57	7,373.09	88.85	66.71	-91.25	-10,819.68	1,661.83	3,276.80	3,122.35	154.45	21.216	
18,500.00	7,303.85	11,534.16	7,372.45	89.57	65.30	-91.22	-10,928.05	1,664.81	3,280.77	3,126.98	153.79	21.333	
18,600.00	7,304.69	11,420.73	7,373.76	90.29	63.83	-91.22	-11,041.42	1,667.44	3,284.34	3,131.23	153.11	21.451	
18,700.00	7,305.53	11,278.68	7,378.54	91.02	61.99	-91.28	-11,183.37	1,669.49	3,287.08	3,134.87	152.21	21.595	
18,800.00	7,306.37	11,172.78	7,380.18	91.74	60.63	-91.30	-11,289.25	1,670.23	3,289.04	3,137.43	151.60	21.695	
18,900.00	7,307.20	11,074.94	7,383.10	92.47	59.38	-91.33	-11,387.05	1,670.89	3,291.00	3,139.93	151.07	21.785	
19,000.00	7,308.04	10,946.53	7,386.17	93.20	57.75	-91.37	-11,515.40	1,671.48	3,292.79	3,142.50	150.29	21.909	
19,100.00	7,308.88	10,850.70	7,384.41	93.92	56.55	-91.32	-11,611.22	1,671.36	3,293.86	3,144.08	149.78	21.991	
19,200.00	7,309.72	10,667.04	7,383.22	94.65	54.26	-91.27	-11,794.86	1,669.84	3,294.57	3,146.03	148.54	22.179	
19,300.00	7,310.55	10,537.62	7,385.93	95.38	52.66	-91.30	-11,924.18	1,665.65	3,292.55	3,144.78	147.77	22.281	
19,400.00	7,311.39	10,453.00	7,387.46	96.11	51.62	-91.32	-12,008.74	1,662.88	3,290.54	3,143.13	147.41	22.323	
19,500.00	7,312.23	10,359.00	7,388.44	96.84	50.48	-91.32	-12,102.70	1,660.23	3,288.97	3,142.00	146.97	22.379	
19,600.00	7,313.07	10,273.79	7,388.39	97.57	49.46	-91.31	-12,187.88	1,658.18	3,287.77	3,141.15	146.61	22.425	
19,700.00	7,313.90	10,178.01	7,388.15	98.30	48.32	-91.29	-12,283.64	1,656.04	3,286.75	3,140.58	146.18	22.485	
19,800.00	7,314.74	10,068.74	7,389.02	99.03	47.04	-91.29	-12,392.87	1,653.51	3,285.69	3,140.04	145.65	22.559	
19,900.00	7,315.58	9,944.27	7,390.54	99.76	45.59	-91.30	-12,517.28	1,649.92	3,284.05	3,139.04	145.01	22.647	
20,000.00	7,316.42	9,849.51	7,391.16	100.49	44.51	-91.30	-12,611.99	1,646.77	3,281.98	3,137.34	144.63	22.692	
20,100.00	7,317.25	9,774.21	7,392.23	101.23	43.66	-91.30	-12,687.25	1,644.77	3,280.56	3,136.14	144.42	22.715	
20,200.00	7,318.09	9,687.70	7,394.84	101.96	42.70	-91.34	-12,773.70	1,642.91	3,279.71	3,135.58	144.14	22.754	
20,300.00	7,318.93	9,603.00	7,396.50	102.69	41.77	-91.35	-12,858.36	1,641.34	3,279.15	3,135.28	143.87	22.792	
20,343.39	7,319.29	9,565.87	7,396.73	103.01	41.37	-91.35	-12,895.49	1,640.79	3,279.05	3,135.29	143.76	22.809	
20,400.00	7,319.77	9,526.81	7,397.06	103.43	40.96	-91.35	-12,934.55	1,640.41	3,279.20	3,135.52	143.68	22.823	
20,500.00	7,320.61	9,436.35	7,398.15	104.16	40.01	-91.36	-13,025.00	1,639.97	3,279.97	3,136.56	143.41	22.871	
20,600.00	7,321.44	9,295.81	7,398.70	104.89	38.57	-91.35	-13,165.52	1,638.34	3,279.99	3,137.15	142.84	22.963	
20,644.43	7,321.82	9,264.81	7,398.76	105.22	38.26	-91.34	-13,196.51	1,637.90	3,279.89	3,137.10	142.80	22.969	
20,700.00	7,322.28	9,225.00	7,399.16	105.63	37.86	-91.35	-13,236.32	1,637.50	3,280.04	3,137.30	142.74	22.980	
20,800.00	7,323.12	9,141.50	7,401.06	106.37	37.05	-91.37	-13,319.80	1,637.07	3,280.79	3,138.21	142.58	23.011	
20,900.00	7,323.96	9,013.21	7,405.49	107.10	35.85	-91.42	-13,448.00	1,635.99	3,281.24	3,139.03	142.20	23.075	
21,000.00	7,324.79	8,930.26	7,407.50	107.84	35.10	-91.45	-13,530.93	1,635.23	3,281.60	3,139.50	142.10	23.094	
21,100.00	7,325.63	6,960.00	6,900.64	108.57	24.27	-81.32	-15,113.27	1,199.69	3,245.88	3,121.97	123.91	26.196	
21,200.00	7,326.47	6,960.00	6,900.64	109.31	24.27	-81.32	-15,113.27	1,199.69	3,202.08	3,076.54	125.54	25.507	
21,300.00	7,327.31	6,960.00	6,900.64	110.05	24.27	-81.32	-15,113.27	1,199.69	3,160.83	3,033.69	127.14	24.861	
21,400.00	7,328.14	6,960.00	6,900.64	110.79	24.27	-81.32	-15,113.27	1,199.69	3,122.24	2,993.54	128.70	24.259	
21,500.00	7,328.98	6,960.00	6,900.64	111.52	24.27	-81.32	-15,113.27	1,199.69	3,086.41	2,956.19	130.23	23.700	
21,600.00	7,329.82	6,947.32	6,888.27	112.26	24.23	-81.07	-15,114.57	1,197.24	3,053.35	2,921.76	131.58	23.205	
21,700.00	7,330.66	6,944.79	6,885.79	113.00	24.22	-81.02	-15,114.81	1,196.78	3,023.28	2,890.31	132.97	22.737	
21,800.00	7,331.50	6,942.37	6,883.43	113.74	24.21	-80.97	-15,115.04	1,196.34	2,996.24	2,861.95	134.28	22.313	
21,900.00	7,332.33	6,929.00	6,870.31	114.48	24.17	-80.71	-15,116.21	1,194.03	2,972.39	2,836.96	135.43	21.948	
22,000.00	7,333.17	6,929.00	6,870.31	115.22	24.17	-80.71	-15,116.21	1,194.03	2,951.63	2,815.03	136.60	21.608	
22,100.00	7,334.01	6,929.00	6,870.31	115.96	24.17	-80.71	-15,116.21	1,194.03	2,934.13	2,796.46	137.67	21.313	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	Warning
22,200.00	7,334.85	6,929.00	6,870.31	116.70	24.17	-80.71	-15,116.21	1,194.03	2,919.95	2,781.31	138.64	21.062	
22,300.00	7,335.68	6,929.00	6,870.31	117.44	24.17	-80.71	-15,116.21	1,194.03	2,909.14	2,769.64	139.50	20.855	
22,400.00	7,336.52	6,929.00	6,870.31	118.18	24.17	-80.71	-15,116.21	1,194.03	2,901.74	2,761.50	140.24	20.692	
22,500.00	7,337.36	6,929.00	6,870.31	118.92	24.17	-80.71	-15,116.21	1,194.03	2,897.77	2,756.92	140.86	20.573	
22,565.01	7,337.90	6,929.00	6,870.31	119.40	24.17	-80.71	-15,116.21	1,194.03	2,897.04	2,755.85	141.19	20.518	CC, ES
22,600.00	7,338.20	6,929.00	6,870.31	119.66	24.17	-80.71	-15,116.21	1,194.03	2,897.26	2,755.90	141.35	20.497	
22,700.00	7,339.03	6,929.00	6,870.31	120.41	24.17	-80.71	-15,116.21	1,194.03	2,900.19	2,758.47	141.72	20.464	SF
22,800.00	7,339.87	6,929.00	6,870.31	121.15	24.17	-80.71	-15,116.21	1,194.03	2,906.56	2,764.60	141.96	20.474	
22,815.35	7,340.00	6,929.00	6,870.31	121.26	24.17	-80.71	-15,116.21	1,194.03	2,907.84	2,765.85	141.99	20.479	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	8.40	0.00	0.00	86.95	90.10	1,693.04	1,695.46				
100.00	100.00	91.60	100.00	0.28	0.24	86.95	90.10	1,693.04	1,695.44	1,694.92	0.52	3,287.471	
200.00	200.00	191.60	200.00	0.63	0.59	86.95	90.10	1,693.04	1,695.44	1,694.21	1.22	1,384.550	
300.00	300.00	291.60	300.00	0.99	0.95	86.95	90.10	1,693.04	1,695.44	1,693.49	1.94	873.269	
400.00	400.00	391.60	400.00	1.35	1.31	86.95	90.10	1,693.04	1,695.44	1,692.78	2.66	637.759	
500.00	500.00	491.60	500.00	1.71	1.67	86.95	90.10	1,693.04	1,695.44	1,692.06	3.38	502.296	
600.00	600.00	591.60	600.00	2.07	2.02	86.95	90.10	1,693.04	1,695.44	1,691.34	4.09	414.298	
700.00	700.00	691.60	700.00	2.43	2.38	86.95	90.10	1,693.04	1,695.44	1,690.63	4.81	352.536	
800.00	800.00	791.60	800.00	2.79	2.74	86.95	90.10	1,693.04	1,695.44	1,689.91	5.53	306.800	
900.00	900.00	891.60	900.00	3.14	3.10	86.95	90.10	1,693.04	1,695.44	1,689.19	6.24	271.568	
1,000.00	1,000.00	991.60	1,000.00	3.50	3.46	86.95	90.10	1,693.04	1,695.44	1,688.48	6.96	243.594	
1,100.00	1,100.00	1,091.60	1,100.00	3.86	3.82	86.95	90.10	1,693.04	1,695.44	1,687.76	7.68	220.845	
1,200.00	1,200.00	1,191.60	1,200.00	4.22	4.17	86.95	90.10	1,693.04	1,695.44	1,687.04	8.39	201.983	CC, ES
1,300.00	1,299.98	1,283.57	1,291.96	4.57	4.50	164.12	91.31	1,693.17	1,697.33	1,688.26	9.07	187.039	
1,400.00	1,399.84	1,374.57	1,382.86	4.92	4.83	164.00	95.39	1,693.62	1,703.10	1,693.35	9.75	174.740	
1,500.00	1,499.45	1,465.06	1,473.08	5.27	5.16	163.79	102.28	1,694.37	1,712.73	1,702.32	10.42	164.419	
1,600.00	1,598.70	1,554.88	1,562.38	5.62	5.48	163.49	111.92	1,695.43	1,726.24	1,715.16	11.08	155.730	
1,700.00	1,697.47	1,653.11	1,659.86	5.98	5.83	163.14	123.96	1,696.74	1,743.34	1,731.56	11.78	147.939	
1,800.00	1,795.62	1,750.79	1,756.79	6.33	6.18	162.80	135.93	1,698.05	1,763.76	1,751.28	12.48	141.291	
1,900.00	1,893.06	1,847.80	1,853.06	6.70	6.53	162.48	147.81	1,699.35	1,787.44	1,774.26	13.18	135.604	
2,000.00	1,989.72	1,944.08	1,948.61	7.06	6.87	162.24	159.61	1,700.65	1,814.10	1,800.23	13.88	130.706	
2,100.00	2,086.22	2,040.22	2,044.01	7.43	7.22	162.11	171.39	1,701.93	1,841.35	1,826.78	14.57	126.350	
2,200.00	2,182.72	2,136.35	2,139.41	7.80	7.57	161.99	183.17	1,703.22	1,868.60	1,853.33	15.27	122.357	
2,300.00	2,279.23	2,232.49	2,234.82	8.18	7.91	161.87	194.95	1,704.51	1,895.86	1,879.89	15.97	118.688	
2,400.00	2,375.73	2,328.63	2,330.22	8.56	8.26	161.75	206.72	1,705.80	1,923.13	1,906.45	16.68	115.307	
2,500.00	2,472.23	2,424.76	2,425.62	8.94	8.61	161.64	218.50	1,707.09	1,950.40	1,933.02	17.39	112.183	
2,600.00	2,568.74	2,520.90	2,521.03	9.32	8.96	161.52	230.28	1,708.38	1,977.69	1,959.59	18.10	109.289	
2,700.00	2,665.24	2,617.03	2,616.43	9.70	9.31	161.42	242.06	1,709.67	2,004.98	1,986.17	18.81	106.601	
2,800.00	2,761.74	2,713.17	2,711.83	10.09	9.65	161.31	253.84	1,710.96	2,032.27	2,012.75	19.52	104.100	
2,900.00	2,858.25	2,809.31	2,807.23	10.47	10.00	161.21	265.62	1,712.24	2,059.57	2,039.34	20.24	101.768	
3,000.00	2,954.75	2,905.44	2,902.64	10.86	10.35	161.11	277.40	1,713.53	2,086.88	2,065.93	20.96	99.588	
3,100.00	3,051.25	3,001.58	2,998.04	11.25	10.70	161.01	289.18	1,714.82	2,114.20	2,092.52	21.67	97.546	
3,200.00	3,147.75	3,097.71	3,093.44	11.64	11.05	160.91	300.95	1,716.11	2,141.51	2,119.12	22.39	95.630	
3,300.00	3,244.26	3,193.85	3,188.85	12.03	11.40	160.82	312.73	1,717.40	2,168.84	2,145.72	23.11	93.829	
3,400.00	3,340.76	3,291.74	3,285.99	12.42	11.76	160.73	324.71	1,718.71	2,196.16	2,172.32	23.84	92.103	
3,500.00	3,437.26	3,406.58	3,400.25	12.82	12.17	160.70	336.07	1,719.95	2,223.02	2,198.37	24.65	90.186	
3,600.00	3,533.77	3,521.87	3,515.33	13.21	12.59	160.78	342.89	1,720.70	2,249.06	2,223.61	25.45	88.359	
3,700.00	3,630.27	3,637.24	3,630.67	13.60	13.00	160.99	345.10	1,720.94	2,274.31	2,248.05	26.26	86.620	
3,800.00	3,726.77	3,733.34	3,726.77	14.00	13.34	161.20	345.10	1,720.94	2,299.20	2,272.22	26.98	85.231	
3,900.00	3,823.28	3,829.84	3,823.28	14.39	13.68	161.40	345.10	1,720.94	2,324.12	2,296.42	27.70	83.908	
4,000.00	3,919.78	3,926.35	3,919.78	14.79	14.02	161.61	345.10	1,720.94	2,349.06	2,320.64	28.42	82.650	
4,100.00	4,016.28	4,022.85	4,016.28	15.18	14.36	161.81	345.10	1,720.94	2,374.04	2,344.89	29.15	81.454	
4,200.00	4,112.78	4,119.35	4,112.78	15.58	14.71	162.00	345.10	1,720.94	2,399.04	2,369.17	29.87	80.316	
4,300.00	4,209.29	4,215.85	4,209.29	15.97	15.05	162.19	345.10	1,720.94	2,424.06	2,393.47	30.60	79.230	
4,400.00	4,305.79	4,312.36	4,305.79	16.37	15.39	162.38	345.10	1,720.94	2,449.11	2,417.79	31.32	78.194	
4,500.00	4,402.29	4,408.86	4,402.29	16.77	15.74	162.56	345.10	1,720.94	2,474.19	2,442.14	32.05	77.204	
4,600.00	4,498.80	4,505.36	4,498.80	17.17	16.08	162.74	345.10	1,720.94	2,499.29	2,466.51	32.77	76.258	
4,700.00	4,595.30	4,601.87	4,595.30	17.56	16.42	162.92	345.10	1,720.94	2,524.41	2,490.91	33.50	75.352	
4,800.00	4,691.80	4,698.37	4,691.80	17.96	16.76	163.09	345.10	1,720.94	2,549.55	2,515.32	34.23	74.485	
4,900.00	4,788.31	4,794.87	4,788.31	18.36	17.11	163.26	345.10	1,720.94	2,574.72	2,539.76	34.96	73.653	
5,000.00	4,884.81	4,891.38	4,884.81	18.76	17.45	163.43	345.10	1,720.94	2,599.90	2,564.21	35.69	72.855	
5,100.00	4,981.31	4,987.88	4,981.31	19.16	17.79	163.59	345.10	1,720.94	2,625.11	2,588.69	36.41	72.089	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,200.00	5,077.81	5,084.38	5,077.81	19.55	18.14	163.75	345.10	1,720.94	2,650.33	2,613.19	37.14	71.352	
5,300.00	5,174.32	5,180.88	5,174.32	19.95	18.48	163.90	345.10	1,720.94	2,675.57	2,637.70	37.87	70.644	
5,400.00	5,270.82	5,277.39	5,270.82	20.35	18.83	164.06	345.10	1,720.94	2,700.84	2,662.23	38.60	69.962	
5,500.00	5,367.32	5,373.89	5,367.32	20.75	19.17	164.21	345.10	1,720.94	2,726.12	2,686.78	39.33	69.306	
5,600.00	5,463.83	5,470.39	5,463.83	21.15	19.51	164.36	345.10	1,720.94	2,751.41	2,711.35	40.07	68.673	
5,700.00	5,560.33	5,566.90	5,560.33	21.55	19.86	164.50	345.10	1,720.94	2,776.73	2,735.93	40.80	68.063	
5,800.00	5,656.83	5,663.40	5,656.83	21.95	20.20	164.65	345.10	1,720.94	2,802.06	2,760.53	41.53	67.474	
5,900.00	5,753.34	5,759.90	5,753.34	22.35	20.55	164.79	345.10	1,720.94	2,827.41	2,785.15	42.26	66.906	
6,000.00	5,849.84	5,856.41	5,849.84	22.75	20.89	164.92	345.10	1,720.94	2,852.77	2,809.78	42.99	66.357	
6,100.00	5,946.34	5,952.91	5,946.34	23.15	21.23	165.06	345.10	1,720.94	2,878.15	2,834.43	43.72	65.826	
6,200.00	6,042.85	6,049.41	6,042.85	23.55	21.58	165.19	345.10	1,720.94	2,903.54	2,859.09	44.46	65.313	
6,300.00	6,139.35	6,145.92	6,139.35	23.95	21.92	165.32	345.10	1,720.94	2,928.95	2,883.76	45.19	64.816	
6,400.00	6,235.85	6,242.42	6,235.85	24.35	22.27	165.45	345.10	1,720.94	2,954.37	2,908.45	45.92	64.335	
6,500.00	6,332.35	6,338.92	6,332.35	24.75	22.61	165.58	345.10	1,720.94	2,979.81	2,933.15	46.65	63.869	
6,600.00	6,428.86	6,435.42	6,428.86	25.15	22.96	165.70	345.10	1,720.94	3,005.26	2,957.87	47.39	63.418	
6,700.00	6,525.36	6,531.93	6,525.36	25.55	23.30	165.82	345.10	1,720.94	3,030.72	2,982.60	48.12	62.980	
6,800.00	6,621.86	6,628.43	6,621.86	25.95	23.65	165.94	345.10	1,720.94	3,056.19	3,007.34	48.86	62.555	
6,900.00	6,718.31	6,724.88	6,718.31	26.35	23.99	-162.75	345.10	1,720.94	3,082.21	3,032.62	49.59	62.158	
7,000.00	6,812.98	6,819.55	6,812.98	26.72	24.33	-135.78	345.10	1,720.94	3,109.41	3,059.12	50.29	61.826	
7,100.00	6,903.02	6,909.58	6,903.02	27.06	24.65	-120.71	345.10	1,720.94	3,137.27	3,086.32	50.95	61.572	
7,200.00	6,985.68	6,992.25	6,985.68	27.35	24.95	-111.63	345.10	1,720.94	3,165.44	3,113.89	51.55	61.407	
7,300.00	7,058.46	7,065.02	7,058.46	27.60	25.21	-105.49	345.10	1,720.94	3,193.74	3,141.68	52.07	61.339	SF
7,400.00	7,119.14	7,125.71	7,119.14	27.80	25.42	-100.90	345.10	1,720.94	3,222.05	3,169.56	52.49	61.380	
7,500.00	7,165.89	7,172.45	7,165.89	27.97	25.59	-97.17	345.10	1,720.94	3,250.24	3,197.42	52.82	61.536	
7,600.00	7,197.27	7,203.84	7,197.27	28.12	25.70	-93.95	345.10	1,720.94	3,278.09	3,225.05	53.03	61.811	
7,700.00	7,212.34	7,218.91	7,212.34	28.27	25.75	-91.06	345.10	1,720.94	3,305.22	3,252.08	53.13	62.206	
7,800.00	7,214.21	7,220.78	7,214.21	28.43	25.76	-90.14	345.10	1,720.94	3,332.00	3,278.86	53.14	62.698	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	7.40	0.00	0.00	89.39	18.90	1,763.79	1,763.91				
100.00	100.00	92.60	100.00	0.28	0.24	89.39	18.90	1,763.79	1,763.89	1,763.37	0.52	3,402.940	
200.00	200.00	192.60	200.00	0.63	0.59	89.39	18.90	1,763.79	1,763.89	1,762.66	1.23	1,436.248	
300.00	300.00	292.60	300.00	0.99	0.95	89.39	18.90	1,763.79	1,763.89	1,761.95	1.95	906.854	
400.00	400.00	392.60	400.00	1.35	1.31	89.39	18.90	1,763.79	1,763.89	1,761.23	2.66	662.616	
500.00	500.00	492.60	500.00	1.71	1.67	89.39	18.90	1,763.79	1,763.89	1,760.51	3.38	522.023	
600.00	600.00	592.60	600.00	2.07	2.03	89.39	18.90	1,763.79	1,763.89	1,759.80	4.10	430.648	
700.00	700.00	692.60	700.00	2.43	2.39	89.39	18.90	1,763.79	1,763.89	1,759.08	4.81	366.497	
800.00	800.00	792.60	800.00	2.79	2.74	89.39	18.90	1,763.79	1,763.89	1,758.36	5.53	318.980	
900.00	900.00	892.60	900.00	3.14	3.10	89.39	18.90	1,763.79	1,763.89	1,757.64	6.25	282.371	
1,000.00	1,000.00	992.60	1,000.00	3.50	3.46	89.39	18.90	1,763.79	1,763.89	1,756.93	6.96	253.299	
1,100.00	1,100.00	1,092.60	1,100.00	3.86	3.82	89.39	18.90	1,763.79	1,763.89	1,756.21	7.68	229.655	
1,200.00	1,200.00	1,192.60	1,200.00	4.22	4.18	89.39	18.90	1,763.79	1,763.89	1,755.49	8.40	210.048	CC, ES
1,300.00	1,299.98	1,292.58	1,299.98	4.57	4.54	166.59	18.90	1,763.79	1,765.59	1,756.48	9.11	193.859	
1,400.00	1,399.84	1,392.44	1,399.84	4.92	4.89	166.61	18.90	1,763.79	1,770.68	1,760.87	9.81	180.448	
1,500.00	1,499.45	1,492.05	1,499.45	5.27	5.25	166.64	18.90	1,763.79	1,779.16	1,768.64	10.52	169.145	
1,600.00	1,598.70	1,591.30	1,598.70	5.62	5.61	166.67	18.90	1,763.79	1,791.02	1,779.80	11.22	159.566	
1,700.00	1,697.47	1,690.07	1,697.47	5.98	5.96	166.71	18.90	1,763.79	1,806.26	1,794.33	11.93	151.412	
1,800.00	1,795.62	1,788.22	1,795.62	6.33	6.31	166.77	18.90	1,763.79	1,824.84	1,812.21	12.63	144.448	
1,900.00	1,893.06	1,852.74	1,860.13	6.70	6.54	166.76	19.02	1,764.26	1,847.54	1,834.33	13.21	139.852	
2,000.00	1,989.72	1,900.00	1,907.38	7.06	6.71	166.76	19.34	1,765.48	1,875.25	1,861.53	13.72	136.704	
2,100.00	2,086.22	1,969.80	1,977.10	7.43	6.95	166.87	20.16	1,768.66	1,905.33	1,891.04	14.29	133.289	
2,200.00	2,182.72	2,027.23	2,034.39	7.80	7.15	166.94	21.16	1,772.51	1,937.34	1,922.52	14.82	130.722	
2,300.00	2,279.23	2,100.00	2,106.85	8.18	7.40	167.02	22.83	1,778.98	1,971.27	1,955.86	15.41	127.952	
2,400.00	2,375.73	2,139.83	2,146.44	8.56	7.54	167.06	23.95	1,783.28	2,006.77	1,990.92	15.85	126.632	
2,500.00	2,472.23	2,200.00	2,206.10	8.94	7.75	167.11	25.89	1,790.78	2,044.14	2,027.77	16.37	124.874	
2,600.00	2,568.74	2,249.25	2,254.81	9.32	7.93	167.14	27.71	1,797.82	2,083.18	2,066.35	16.84	123.734	
2,700.00	2,665.24	2,300.00	2,304.87	9.70	8.11	167.16	29.81	1,805.92	2,123.91	2,106.61	17.30	122.746	
2,800.00	2,761.74	2,355.30	2,359.22	10.09	8.30	167.18	32.35	1,815.73	2,166.26	2,148.47	17.79	121.787	
2,900.00	2,858.25	2,400.00	2,403.02	10.47	8.46	167.18	34.60	1,824.39	2,210.21	2,192.00	18.21	121.371	
3,000.00	2,954.75	2,471.87	2,473.13	10.86	8.72	167.18	38.56	1,839.71	2,255.75	2,236.97	18.78	120.146	
3,100.00	3,051.25	2,535.67	2,535.18	11.25	8.94	167.18	42.28	1,854.06	2,302.27	2,282.97	19.30	119.317	
3,200.00	3,147.75	2,624.11	2,621.20	11.64	9.26	167.17	47.43	1,873.96	2,348.92	2,328.97	19.95	117.711	
3,300.00	3,244.26	2,712.56	2,707.23	12.03	9.58	167.16	52.59	1,893.86	2,395.58	2,374.96	20.62	116.189	
3,400.00	3,340.76	2,801.01	2,793.26	12.42	9.90	167.16	57.74	1,913.75	2,442.23	2,420.95	21.28	114.745	
3,500.00	3,437.26	2,889.46	2,879.29	12.82	10.23	167.15	62.89	1,933.65	2,488.89	2,466.94	21.95	113.374	
3,600.00	3,533.77	2,977.91	2,965.31	13.21	10.55	167.14	68.05	1,953.55	2,535.54	2,512.92	22.62	112.071	
3,700.00	3,630.27	3,066.36	3,051.34	13.60	10.88	167.14	73.20	1,973.45	2,582.20	2,558.90	23.30	110.831	
3,800.00	3,726.77	3,154.81	3,137.37	14.00	11.20	167.13	78.35	1,993.34	2,628.86	2,604.88	23.97	109.651	
3,900.00	3,823.28	3,243.26	3,223.40	14.39	11.53	167.12	83.50	2,013.24	2,675.51	2,650.86	24.65	108.527	
4,000.00	3,919.78	3,331.71	3,309.42	14.79	11.86	167.12	88.66	2,033.14	2,722.17	2,696.83	25.33	107.455	
4,100.00	4,016.28	3,420.15	3,395.45	15.18	12.19	167.11	93.81	2,053.04	2,768.82	2,742.81	26.01	106.432	
4,200.00	4,112.78	3,508.60	3,481.48	15.58	12.52	167.11	98.96	2,072.93	2,815.48	2,788.78	26.70	105.455	
4,300.00	4,209.29	3,597.05	3,567.51	15.97	12.86	167.10	104.12	2,092.83	2,862.13	2,834.75	27.38	104.520	
4,400.00	4,305.79	3,685.50	3,653.53	16.37	13.19	167.10	109.27	2,112.73	2,908.79	2,880.72	28.07	103.626	
4,500.00	4,402.29	3,773.95	3,739.56	16.77	13.52	167.09	114.42	2,132.63	2,955.44	2,926.69	28.76	102.770	
4,600.00	4,498.80	3,862.40	3,825.59	17.17	13.86	167.09	119.58	2,152.52	3,002.10	2,972.65	29.45	101.949	
4,700.00	4,595.30	3,950.85	3,911.62	17.56	14.19	167.08	124.73	2,172.42	3,048.76	3,018.62	30.14	101.162	
4,800.00	4,691.80	4,039.30	3,997.64	17.96	14.53	167.08	129.88	2,192.32	3,095.41	3,064.58	30.83	100.406	
4,900.00	4,788.31	4,127.75	4,083.67	18.36	14.86	167.07	135.04	2,212.22	3,142.07	3,110.55	31.52	99.681	
5,000.00	4,884.81	4,216.19	4,169.70	18.76	15.20	167.07	140.19	2,232.11	3,188.72	3,156.51	32.21	98.983	
5,100.00	4,981.31	4,304.64	4,255.73	19.16	15.53	167.07	145.34	2,252.01	3,235.38	3,202.47	32.91	98.312	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	5,077.81	4,393.09	4,341.76	19.55	15.87	167.06	150.50	2,271.91	3,282.03	3,248.43	33.60	97.666	
5,300.00	5,174.32	4,481.54	4,427.78	19.95	16.21	167.06	155.65	2,291.81	3,328.69	3,294.39	34.30	97.043	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.30	0.00	0.00	0.00	40.29	94.97	80.52	124.51				
100.00	100.00	100.46	100.16	0.28	0.16	40.21	95.03	80.35	124.45	124.01	0.43	287.470	
200.00	200.00	200.60	200.30	0.63	0.33	39.98	95.22	79.84	124.26	123.30	0.96	129.288	
300.00	300.00	300.62	300.32	0.99	0.69	39.68	95.44	79.18	124.01	122.33	1.68	73.899	
400.00	400.00	400.49	400.18	1.35	1.04	39.32	95.77	78.44	123.80	121.40	2.39	51.702	
500.00	500.00	500.35	500.04	1.71	1.40	38.88	96.31	77.65	123.71	120.60	3.11	39.774	
526.33	526.33	526.64	526.33	1.80	1.50	38.77	96.45	77.47	123.71	120.41	3.30	37.500	CC
600.00	600.00	600.20	599.88	2.07	1.76	38.52	96.81	77.06	123.74	119.91	3.83	32.340	
700.00	700.00	699.99	699.67	2.43	2.12	38.08	97.55	76.43	123.93	119.39	4.54	27.289	
800.00	800.00	800.12	799.79	2.79	2.47	37.60	98.41	75.78	124.21	118.95	5.26	23.624	
900.00	900.00	900.38	900.04	3.14	2.83	37.10	99.07	74.93	124.22	118.24	5.98	20.788	
1,000.00	1,000.00	1,000.36	1,000.03	3.50	3.18	36.87	99.36	74.52	124.20	117.52	6.68	18.587	
1,034.66	1,034.66	1,035.00	1,034.66	3.63	3.30	37.09	99.07	74.89	124.19	117.27	6.92	17.936	ES
1,100.00	1,100.00	1,098.21	1,097.82	3.86	3.51	38.14	98.10	77.03	124.74	117.38	7.36	16.937	
1,200.00	1,200.00	1,195.38	1,194.66	4.22	3.83	41.47	95.65	84.54	127.77	119.73	8.04	15.887	
1,300.00	1,299.98	1,293.73	1,292.36	4.57	4.17	123.68	92.18	95.32	133.78	125.06	8.72	15.334	
1,400.00	1,399.84	1,391.40	1,389.33	4.92	4.51	129.30	88.79	106.46	143.35	133.95	9.40	15.247	
1,500.00	1,499.45	1,488.54	1,485.64	5.27	4.86	135.32	85.00	118.52	157.31	147.22	10.08	15.599	
1,600.00	1,598.70	1,584.07	1,580.15	5.62	5.21	141.45	80.03	131.55	176.06	165.30	10.76	16.366	
1,700.00	1,697.47	1,681.59	1,676.58	5.98	5.57	147.15	74.47	144.98	199.41	187.96	11.45	17.411	
1,800.00	1,795.62	1,779.30	1,773.34	6.33	5.94	152.10	68.37	157.12	225.97	213.82	12.15	18.594	
1,900.00	1,893.06	1,874.12	1,867.36	6.70	6.30	156.13	62.52	167.95	255.99	243.16	12.84	19.944	
2,000.00	1,989.72	1,966.54	1,959.02	7.06	6.65	159.52	56.94	178.35	289.77	276.26	13.51	21.453	
2,100.00	2,086.22	2,059.04	2,050.76	7.43	7.00	162.37	51.44	188.81	324.96	310.79	14.18	22.925	
2,200.00	2,182.72	2,151.92	2,142.87	7.80	7.36	164.72	45.71	199.26	360.68	345.83	14.85	24.288	
2,300.00	2,279.23	2,246.45	2,236.65	8.18	7.72	166.69	39.78	209.62	396.56	381.02	15.54	25.516	
2,400.00	2,375.73	2,339.81	2,329.30	8.56	8.08	168.30	34.04	219.51	432.43	416.20	16.23	26.647	
2,500.00	2,472.23	2,433.55	2,422.35	8.94	8.44	169.69	28.14	229.27	468.40	451.48	16.92	27.681	
2,600.00	2,568.74	2,526.54	2,514.66	9.32	8.80	170.88	22.22	238.82	504.44	486.83	17.61	28.643	
2,700.00	2,665.24	2,622.92	2,610.37	9.70	9.17	171.93	16.26	248.45	540.36	522.04	18.33	29.483	
2,800.00	2,761.74	2,719.29	2,706.16	10.09	9.54	172.81	10.67	257.47	575.80	556.75	19.05	30.232	
2,900.00	2,858.25	2,815.71	2,802.05	10.47	9.91	173.56	5.43	266.02	610.83	591.06	19.77	30.904	
3,000.00	2,954.75	2,911.73	2,897.61	10.86	10.27	174.19	0.63	274.15	645.51	625.03	20.48	31.514	
3,100.00	3,051.25	3,006.20	2,991.65	11.25	10.63	174.73	-3.96	281.92	680.01	658.82	21.19	32.088	
3,200.00	3,147.75	3,098.89	3,083.91	11.64	10.98	175.21	-8.41	289.57	714.57	692.68	21.89	32.644	
3,300.00	3,244.26	3,193.10	3,177.69	12.03	11.34	175.65	-12.87	297.39	749.21	726.61	22.60	33.152	
3,400.00	3,340.76	3,291.81	3,275.97	12.42	11.71	176.06	-17.49	305.25	783.56	760.22	23.34	33.571	
3,500.00	3,437.26	3,391.05	3,374.84	12.82	12.08	176.46	-22.16	312.48	817.32	793.23	24.09	33.934	
3,600.00	3,533.77	3,484.80	3,468.27	13.21	12.43	176.80	-26.53	319.03	850.82	826.03	24.79	34.315	
3,700.00	3,630.27	3,579.90	3,563.02	13.60	12.79	177.12	-31.04	325.63	884.31	858.80	25.51	34.661	
3,800.00	3,726.77	3,678.63	3,661.43	14.00	13.16	177.43	-35.63	332.19	917.54	891.29	26.26	34.945	
3,900.00	3,823.28	3,779.89	3,762.40	14.39	13.53	177.71	-40.07	338.30	950.17	923.15	27.02	35.170	
4,000.00	3,919.78	3,876.34	3,858.61	14.79	13.89	177.96	-44.17	343.74	982.43	954.69	27.74	35.410	
4,100.00	4,016.28	3,975.86	3,957.91	15.18	14.25	178.21	-48.38	348.98	1,014.35	985.86	28.49	35.600	
4,200.00	4,112.78	4,074.98	4,056.82	15.58	14.62	178.43	-52.49	353.80	1,045.90	1,016.66	29.24	35.771	
4,300.00	4,209.29	4,174.14	4,155.81	15.97	14.98	178.64	-56.50	358.11	1,076.95	1,046.97	29.98	35.917	
4,400.00	4,305.79	4,267.78	4,249.28	16.37	15.32	178.84	-60.48	362.16	1,108.04	1,077.34	30.70	36.096	
4,500.00	4,402.29	4,380.55	4,361.86	16.77	15.73	179.07	-65.22	366.55	1,138.80	1,107.28	31.52	36.125	
4,600.00	4,498.80	4,496.56	4,477.79	17.17	16.13	179.27	-69.04	368.50	1,167.18	1,134.82	32.36	36.069	
4,700.00	4,595.30	4,594.86	4,576.04	17.56	16.48	179.42	-71.98	369.54	1,195.00	1,161.90	33.10	36.108	
4,800.00	4,691.80	4,694.27	4,675.40	17.96	16.82	179.57	-74.99	370.41	1,222.65	1,188.82	33.84	36.134	
4,900.00	4,788.31	4,793.38	4,774.46	18.36	17.16	179.71	-78.07	370.96	1,250.04	1,215.46	34.58	36.153	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,884.81	4,891.59	4,872.62	18.76	17.50	179.85	-81.10	371.32	1,277.24	1,241.93	35.31	36.171	
5,100.00	4,981.31	4,986.02	4,967.01	19.16	17.83	179.98	-84.03	371.63	1,304.43	1,268.40	36.03	36.207	
5,200.00	5,077.81	5,086.91	5,067.84	19.55	18.18	-179.88	-87.22	371.89	1,331.56	1,294.79	36.78	36.206	
5,300.00	5,174.32	5,179.99	5,160.89	19.95	18.50	-179.77	-90.01	372.06	1,358.59	1,321.11	37.49	36.243	
5,400.00	5,270.82	5,278.50	5,259.35	20.35	18.84	-179.65	-93.03	372.29	1,385.70	1,347.47	38.22	36.251	
5,500.00	5,367.32	5,376.89	5,357.69	20.75	19.18	-179.52	-96.21	372.31	1,412.64	1,373.68	38.96	36.256	
5,600.00	5,463.83	5,475.50	5,456.23	21.15	19.52	-179.39	-99.66	372.12	1,439.45	1,399.75	39.70	36.256	
5,700.00	5,560.33	5,582.81	5,563.52	21.55	19.89	-179.31	-101.88	371.70	1,465.75	1,425.27	40.48	36.205	
5,800.00	5,656.83	5,680.13	5,660.83	21.95	20.21	-179.28	-102.83	371.23	1,491.73	1,450.52	41.21	36.197	
5,900.00	5,753.34	5,777.81	5,758.51	22.35	20.54	-179.26	-103.74	370.72	1,517.66	1,475.72	41.94	36.187	
6,000.00	5,849.84	5,874.35	5,855.05	22.75	20.87	-179.24	-104.39	370.15	1,543.48	1,500.82	42.66	36.180	
6,100.00	5,946.34	5,961.13	5,941.83	23.15	21.16	-179.23	-104.78	370.00	1,569.63	1,526.29	43.33	36.221	
6,200.00	6,042.85	6,039.00	6,019.69	23.55	21.43	-179.23	-105.31	370.49	1,596.60	1,552.64	43.96	36.320	
6,300.00	6,139.35	6,126.14	6,106.81	23.95	21.74	-179.22	-106.32	371.71	1,624.39	1,579.76	44.64	36.391	
6,400.00	6,235.85	6,236.84	6,217.49	24.35	22.13	-179.17	-108.47	373.04	1,652.18	1,606.72	45.45	36.349	
6,500.00	6,332.35	6,331.19	6,311.80	24.75	22.47	-179.09	-111.11	373.61	1,679.59	1,633.42	46.17	36.375	
6,600.00	6,428.86	6,443.49	6,424.05	25.15	22.86	-179.01	-114.16	373.66	1,706.45	1,659.45	47.00	36.310	
6,700.00	6,525.36	6,545.81	6,526.37	25.55	23.21	-178.99	-115.11	373.55	1,732.78	1,685.02	47.76	36.283	
6,800.00	6,621.86	6,651.98	6,632.53	25.95	23.57	-178.99	-115.39	373.16	1,758.71	1,710.18	48.53	36.240	
6,900.00	6,718.31	6,750.38	6,730.93	26.35	23.89	-148.09	-114.77	372.50	1,783.22	1,733.97	49.25	36.208	
7,000.00	6,812.98	6,843.39	6,823.93	26.72	24.20	-122.19	-113.57	372.24	1,805.05	1,755.13	49.92	36.156	
7,100.00	6,903.02	6,955.06	6,935.57	27.06	24.56	-109.10	-110.85	371.67	1,823.53	1,772.85	50.68	35.985	
7,200.00	6,985.68	7,035.57	7,016.02	27.35	24.82	-102.08	-107.98	370.57	1,838.67	1,787.42	51.25	35.878	
7,300.00	7,058.46	7,094.18	7,074.59	27.60	25.01	-97.90	-105.91	370.15	1,852.72	1,801.03	51.69	35.845	
7,400.00	7,119.14	7,144.07	7,124.45	27.80	25.17	-95.28	-104.27	370.04	1,866.38	1,814.32	52.06	35.851	
7,500.00	7,165.89	7,177.00	7,157.37	27.97	25.28	-93.24	-103.25	370.09	1,880.27	1,827.95	52.32	35.940	
7,600.00	7,197.27	7,200.35	7,180.71	28.12	25.36	-91.57	-102.64	370.22	1,894.89	1,842.39	52.51	36.090	
7,700.00	7,212.34	7,209.19	7,189.55	28.27	25.39	-89.92	-102.45	370.31	1,910.35	1,857.76	52.59	36.326	
7,800.00	7,214.21	7,209.04	7,189.40	28.43	25.39	-89.34	-102.45	370.31	1,927.37	1,874.76	52.60	36.639	
7,900.00	7,215.05	7,208.14	7,188.50	28.59	25.39	-89.32	-102.47	370.30	1,949.10	1,896.48	52.62	37.044	
8,000.00	7,215.88	7,207.20	7,187.56	28.77	25.39	-89.28	-102.49	370.29	1,974.95	1,922.33	52.62	37.530	
8,100.00	7,216.72	7,206.25	7,186.61	28.96	25.38	-89.24	-102.51	370.28	2,002.35	1,949.72	52.63	38.046	
8,200.00	7,217.56	7,205.28	7,185.64	29.16	25.38	-89.21	-102.53	370.27	2,031.03	1,978.40	52.63	38.590	
8,300.00	7,218.40	7,204.27	7,184.63	29.36	25.38	-89.18	-102.55	370.26	2,062.99	2,010.35	52.64	39.193	
8,400.00	7,219.24	7,203.21	7,183.56	29.58	25.37	-89.14	-102.58	370.25	2,099.23	2,046.58	52.64	39.878	
8,500.00	7,220.07	7,202.09	7,182.45	29.81	25.37	-89.11	-102.60	370.24	2,139.53	2,086.88	52.65	40.640	
8,600.00	7,220.91	7,200.92	7,181.27	30.06	25.36	-89.08	-102.63	370.23	2,183.66	2,131.02	52.65	41.476	
8,700.00	7,221.75	7,199.68	7,180.04	30.32	25.36	-89.04	-102.66	370.22	2,231.41	2,178.76	52.65	42.381	
8,800.00	7,222.59	7,198.37	7,178.73	30.60	25.36	-89.00	-102.69	370.21	2,282.55	2,229.89	52.65	43.349	
8,900.00	7,223.42	7,196.99	7,177.35	30.89	25.35	-88.96	-102.72	370.20	2,336.84	2,284.18	52.66	44.378	
9,000.00	7,224.26	7,195.52	7,175.88	31.19	25.35	-88.92	-102.75	370.18	2,394.08	2,341.42	52.66	45.463	
9,100.00	7,225.10	7,193.97	7,174.33	31.51	25.34	-88.87	-102.79	370.17	2,454.06	2,401.40	52.66	46.600	
9,200.00	7,225.94	7,192.32	7,172.68	31.84	25.34	-88.82	-102.83	370.16	2,516.59	2,463.92	52.67	47.784	
9,300.00	7,226.78	7,190.56	7,170.92	32.19	25.33	-88.77	-102.88	370.15	2,581.47	2,528.80	52.67	49.013	
9,400.00	7,227.61	10,426.26	8,883.06	32.55	42.19	-129.26	-1,864.33	462.92	2,616.45	2,549.11	67.34	38.853	
9,500.00	7,228.45	10,532.09	8,884.27	32.92	43.23	-129.25	-1,970.14	464.62	2,617.64	2,548.89	68.75	38.076	
9,600.00	7,229.29	10,639.58	8,885.57	33.30	44.32	-129.25	-2,077.61	465.57	2,618.30	2,548.10	70.20	37.300	
9,700.00	7,230.13	10,702.39	8,886.41	33.70	44.97	-129.24	-2,140.42	466.52	2,619.55	2,548.27	71.28	36.749	
9,800.00	7,230.96	10,784.81	8,887.63	34.11	45.84	-129.22	-2,222.79	469.12	2,622.09	2,549.52	72.57	36.133	
9,900.00	7,231.80	10,978.25	8,890.09	34.52	47.92	-129.22	-2,416.18	470.92	2,622.72	2,547.81	74.91	35.013	
10,000.00	7,232.64	11,141.87	8,890.90	34.96	49.72	-129.25	-2,579.77	468.38	2,621.33	2,544.35	76.98	34.053	
10,100.00	7,233.48	11,268.87	8,889.74	35.40	51.13	-129.29	-2,706.65	463.04	2,616.50	2,537.76	78.73	33.233	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,200.00	7,234.32	11,337.48	8,890.18	35.85	51.91	-129.33	-2,775.20	460.07	2,612.75	2,532.79	79.96	32.674	
10,300.00	7,235.15	11,415.78	8,890.58	36.31	52.80	-129.36	-2,853.46	457.86	2,610.08	2,528.78	81.30	32.103	
10,400.00	7,235.99	11,534.49	8,890.26	36.78	54.18	-129.39	-2,972.13	454.88	2,607.15	2,524.09	83.06	31.390	
10,500.00	7,236.83	11,618.11	8,890.33	37.27	55.16	-129.41	-3,055.72	452.62	2,604.33	2,519.85	84.48	30.828	
10,600.00	7,237.67	11,691.00	8,891.02	37.76	56.02	-129.44	-3,128.59	450.98	2,602.41	2,516.61	85.81	30.329	
10,700.00	7,238.50	11,787.15	8,892.32	38.26	57.17	-129.48	-3,224.71	449.25	2,601.09	2,513.71	87.38	29.768	
10,800.00	7,239.34	11,907.19	8,893.05	38.76	58.62	-129.51	-3,344.73	447.15	2,599.32	2,510.11	89.21	29.136	
10,900.00	7,240.18	11,977.00	8,893.04	39.28	59.46	-129.52	-3,414.53	446.12	2,597.53	2,506.98	90.55	28.687	
10,982.20	7,240.87	12,036.92	8,893.54	39.71	60.20	-129.53	-3,474.45	445.59	2,596.88	2,505.20	91.68	28.327	
11,000.00	7,241.02	12,046.77	8,893.74	39.80	60.32	-129.53	-3,484.30	445.55	2,596.90	2,505.02	91.88	28.263	
11,100.00	7,241.86	12,153.31	8,895.91	40.34	61.64	-129.56	-3,590.81	445.14	2,597.11	2,503.49	93.62	27.740	
11,200.00	7,242.69	12,263.00	8,897.73	40.87	63.00	-129.59	-3,700.48	444.30	2,596.77	2,501.37	95.41	27.218	
11,300.00	7,243.53	12,415.81	8,897.99	41.42	64.92	-129.62	-3,853.27	441.81	2,594.52	2,496.84	97.67	26.563	
11,400.00	7,244.37	12,495.60	8,898.28	41.97	65.92	-129.64	-3,933.04	440.43	2,592.62	2,493.45	99.16	26.145	
11,500.00	7,245.21	12,585.86	8,898.42	42.53	67.07	-129.64	-4,023.29	439.68	2,591.27	2,490.50	100.78	25.713	
11,600.00	7,246.04	12,696.73	8,898.64	43.10	68.48	-129.64	-4,134.16	438.83	2,590.04	2,487.41	102.63	25.237	
11,700.00	7,246.88	12,799.59	8,899.31	43.67	69.79	-129.67	-4,237.00	436.84	2,588.17	2,483.78	104.39	24.794	
11,800.00	7,247.72	12,884.36	8,900.32	44.25	70.88	-129.71	-4,321.74	435.25	2,586.71	2,480.76	105.95	24.414	
11,900.00	7,248.56	12,977.69	8,901.13	44.83	72.09	-129.72	-4,415.07	434.47	2,585.82	2,478.19	107.63	24.026	
12,000.00	7,249.39	13,078.83	8,901.35	45.42	73.40	-129.72	-4,516.21	434.07	2,584.86	2,475.46	109.41	23.626	
12,100.00	7,250.23	13,202.12	8,901.55	46.01	75.01	-129.73	-4,639.49	432.76	2,583.33	2,471.89	111.44	23.181	
12,200.00	7,251.07	13,279.95	8,902.21	46.61	76.02	-129.76	-4,717.29	431.12	2,581.57	2,468.61	112.95	22.856	
12,300.00	7,251.91	13,398.54	8,903.94	47.21	77.58	-129.80	-4,835.86	429.74	2,580.92	2,465.99	114.93	22.456	
12,400.00	7,252.75	13,532.13	8,903.91	47.82	79.33	-129.81	-4,969.43	427.06	2,578.79	2,461.70	117.09	22.024	
12,500.00	7,253.58	13,668.57	8,904.43	48.43	81.12	-129.86	-5,105.74	421.36	2,575.97	2,456.73	119.24	21.603	
12,600.00	7,254.42	13,859.92	8,901.48	49.05	83.63	-129.93	-5,296.67	409.39	2,569.99	2,448.10	121.90	21.083	
12,700.00	7,255.26	13,928.05	8,900.27	49.67	84.53	-129.97	-5,364.61	404.35	2,563.44	2,440.06	123.38	20.777	
12,800.00	7,256.10	13,988.00	8,899.97	50.30	85.31	-130.00	-5,424.44	400.70	2,558.55	2,433.79	124.77	20.507	
12,900.00	7,256.93	14,021.77	8,900.12	50.93	85.76	-130.01	-5,458.18	399.28	2,555.70	2,429.84	125.86	20.306	
12,964.97	7,257.48	14,045.60	8,900.35	51.34	86.08	-130.01	-5,482.00	398.78	2,555.18	2,428.62	126.56	20.189	
13,000.00	7,257.77	14,084.00	8,900.95	51.56	86.60	-130.01	-5,520.40	398.85	2,555.68	2,428.44	127.24	20.085	
13,003.37	7,257.80	14,084.00	8,900.95	51.58	86.60	-130.01	-5,520.40	398.85	2,555.68	2,428.41	127.26	20.082	
13,100.00	7,258.61	14,116.80	8,901.55	52.19	87.04	-130.01	-5,553.18	399.36	2,557.31	2,429.07	128.24	19.942	
13,200.00	7,259.45	14,209.39	8,902.98	52.83	88.29	-129.98	-5,645.76	400.91	2,559.77	2,429.78	129.99	19.691	
13,300.00	7,260.29	14,285.72	8,904.11	53.48	89.33	-129.95	-5,722.04	403.14	2,563.11	2,431.57	131.54	19.485	
13,400.00	7,261.12	14,406.66	8,905.71	54.12	90.97	-129.90	-5,842.92	406.52	2,566.25	2,432.54	133.71	19.193	
13,500.00	7,261.96	14,501.01	8,907.22	54.77	92.26	-129.86	-5,937.23	408.67	2,569.19	2,433.69	135.50	18.960	
13,600.00	7,262.80	14,619.93	8,908.50	55.42	93.88	-129.80	-6,056.10	412.11	2,572.35	2,434.70	137.65	18.687	
13,700.00	7,263.64	14,744.24	8,909.34	56.08	95.58	-129.76	-6,180.39	413.88	2,574.01	2,434.15	139.86	18.404	
13,800.00	7,264.47	14,882.41	8,911.00	56.74	97.46	-129.76	-6,318.55	413.26	2,574.57	2,432.38	142.19	18.106	
13,900.00	7,265.31	15,011.84	8,912.42	57.40	99.22	-129.78	-6,447.95	410.98	2,574.14	2,429.75	144.39	17.828	
14,000.00	7,266.15	15,105.61	8,913.32	58.06	100.49	-129.81	-6,541.68	408.45	2,572.87	2,426.71	146.16	17.603	
14,100.00	7,266.99	15,188.26	8,913.82	58.73	101.62	-129.81	-6,624.32	407.18	2,572.26	2,424.44	147.82	17.401	
14,138.43	7,267.31	15,220.21	8,914.00	58.98	102.06	-129.81	-6,656.27	406.90	2,572.20	2,423.74	148.46	17.326	
14,200.00	7,267.82	15,274.56	8,914.35	59.39	102.80	-129.80	-6,710.62	406.56	2,572.27	2,422.75	149.53	17.203	
14,300.00	7,268.66	15,382.74	8,915.41	60.06	104.29	-129.80	-6,818.79	405.83	2,572.57	2,421.07	151.50	16.980	
14,400.00	7,269.50	15,493.90	8,916.31	60.74	105.81	-129.81	-6,929.93	404.27	2,572.17	2,418.67	153.51	16.756	
14,459.82	7,270.00	15,540.85	8,916.68	61.14	106.46	-129.81	-6,976.87	403.62	2,571.97	2,417.49	154.47	16.650	
14,500.00	7,270.34	15,567.23	8,917.04	61.41	106.82	-129.81	-7,003.26	403.35	2,572.07	2,417.02	155.05	16.588	
14,600.00	7,271.18	15,644.19	8,918.65	62.09	107.88	-129.83	-7,080.20	403.00	2,573.20	2,416.57	156.63	16.428	
14,700.00	7,272.01	15,756.65	8,920.81	62.76	109.43	-129.83	-7,192.63	402.92	2,574.57	2,415.89	158.67	16.226	
14,800.00	7,272.85	15,849.79	8,921.97	63.44	110.72	-129.83	-7,285.76	402.69	2,575.37	2,414.90	160.47	16.048	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
14,900.00	7,273.69	15,922.37	8,923.51	64.13	111.72	-129.83	-7,358.32	402.90	2,577.12	2,415.13	162.00	15.908	
15,000.00	7,274.53	16,005.27	8,925.91	64.81	112.87	-129.84	-7,441.19	403.75	2,579.91	2,416.26	163.65	15.765	
15,100.00	7,275.36	16,147.36	8,929.78	65.50	114.84	-129.87	-7,583.23	403.19	2,581.37	2,415.28	166.09	15.542	
15,200.00	7,276.20	16,264.57	8,932.56	66.18	116.47	-129.90	-7,700.40	402.39	2,582.62	2,414.44	168.19	15.356	
15,300.00	7,277.04	16,341.14	8,934.59	66.87	117.53	-129.93	-7,776.93	401.46	2,583.66	2,413.90	169.76	15.220	
15,400.00	7,277.88	16,487.02	8,937.77	67.56	119.56	-129.95	-7,922.77	400.62	2,585.06	2,412.84	172.22	15.010	
15,400.78	7,277.88	16,453.03	8,937.25	67.57	119.08	-129.95	-7,888.78	400.91	2,585.05	2,413.25	171.80	15.047	
15,500.00	7,278.72	16,534.26	8,938.69	68.26	120.21	-129.95	-7,970.00	400.59	2,586.18	2,412.74	173.44	14.911	
15,600.00	7,279.55	16,619.21	8,940.94	68.95	121.40	-129.96	-8,054.92	401.16	2,588.58	2,413.45	175.13	14.781	
15,700.00	7,280.39	16,741.74	8,944.87	69.65	123.11	-130.00	-8,177.39	400.83	2,590.68	2,413.37	177.31	14.611	
15,800.00	7,281.23	16,907.07	8,948.98	70.34	125.40	-130.07	-8,342.62	397.29	2,590.78	2,410.80	179.98	14.395	
15,900.00	7,282.07	17,034.60	8,949.20	71.04	127.17	-130.08	-8,470.11	394.25	2,589.29	2,407.10	182.19	14.212	
16,000.00	7,282.91	17,155.42	8,949.46	71.74	128.84	-130.11	-8,590.85	389.81	2,586.82	2,402.54	184.29	14.037	
16,100.00	7,283.74	17,250.14	8,949.83	72.44	130.15	-130.15	-8,685.48	385.67	2,583.97	2,397.87	186.10	13.885	
16,200.00	7,284.58	17,327.00	8,949.94	73.14	131.22	-130.16	-8,762.31	383.48	2,582.04	2,394.31	187.73	13.754	
16,300.00	7,285.42	17,403.38	8,950.22	73.85	132.29	-130.17	-8,838.67	382.08	2,581.02	2,391.66	189.36	13.630	
16,400.00	7,286.26	17,540.58	8,950.51	74.55	134.20	-130.18	-8,975.83	378.61	2,579.42	2,387.73	191.69	13.456	
16,500.00	7,287.10	17,624.96	8,950.17	75.26	135.37	-130.18	-9,060.18	376.53	2,577.50	2,384.08	193.42	13.326	
16,600.00	7,287.93	17,803.00	8,949.53	75.96	137.85	-130.20	-9,238.12	370.92	2,575.65	2,379.52	196.13	13.132	
16,700.00	7,288.77	17,871.75	8,948.85	76.67	138.80	-130.22	-9,306.77	367.44	2,571.44	2,373.73	197.71	13.006	
16,800.00	7,289.61	17,946.26	8,948.71	77.38	139.84	-130.24	-9,381.22	364.60	2,568.60	2,369.26	199.34	12.886	
16,900.00	7,290.45	17,994.00	8,948.30	78.09	140.50	-130.23	-9,428.95	363.38	2,566.74	2,366.10	200.65	12.792	
17,000.00	7,291.29	18,089.00	8,947.84	78.80	141.84	-130.20	-9,523.94	363.18	2,566.49	2,363.96	202.54	12.672	
17,005.94	7,291.34	18,089.00	8,947.84	78.84	141.84	-130.20	-9,523.94	363.18	2,566.49	2,363.91	202.57	12.669	
17,100.00	7,292.12	18,158.70	8,947.61	79.51	142.82	-130.16	-9,593.63	364.35	2,567.50	2,363.39	204.11	12.579	
17,200.00	7,292.96	18,231.23	8,946.98	80.23	143.84	-130.11	-9,666.14	365.78	2,568.76	2,363.05	205.71	12.487	
17,300.00	7,293.80	18,323.02	8,947.44	80.94	145.14	-130.05	-9,757.90	368.15	2,571.25	2,363.68	207.57	12.387	
17,400.00	7,294.64	18,381.00	8,947.49	81.66	145.96	-130.03	-9,815.87	369.14	2,573.50	2,364.60	208.90	12.319	SF
17,500.00	7,295.48	18,381.00	8,947.49	82.37	145.96	-130.03	-9,815.87	369.14	2,579.41	2,370.29	209.12	12.335	
17,600.00	7,296.31	18,381.00	8,947.49	83.09	145.96	-130.03	-9,815.87	369.14	2,589.17	2,380.11	209.06	12.385	
17,700.00	7,297.15	18,381.00	8,947.49	83.80	145.96	-130.04	-9,815.87	369.14	2,602.85	2,394.11	208.73	12.470	
17,800.00	7,297.99	18,381.00	8,947.49	84.52	145.96	-130.04	-9,815.87	369.14	2,620.35	2,412.21	208.14	12.589	
17,900.00	7,298.83	18,381.00	8,947.49	85.24	145.96	-130.04	-9,815.87	369.14	2,641.52	2,434.22	207.30	12.742	
18,000.00	7,299.66	18,381.00	8,947.49	85.96	145.96	-130.04	-9,815.87	369.14	2,666.28	2,460.05	206.23	12.929	
18,100.00	7,300.50	18,381.00	8,947.49	86.68	145.96	-130.04	-9,815.87	369.14	2,694.52	2,489.59	204.94	13.148	
18,200.00	7,301.34	18,381.00	8,947.49	87.40	145.96	-130.04	-9,815.87	369.14	2,726.15	2,522.70	203.45	13.400	
18,300.00	7,302.18	18,381.00	8,947.49	88.12	145.96	-130.04	-9,815.87	369.14	2,761.03	2,559.24	201.79	13.683	
18,400.00	7,303.01	18,381.00	8,947.49	88.85	145.96	-130.04	-9,815.87	369.14	2,799.05	2,599.08	199.97	13.997	
18,500.00	7,303.85	18,381.00	8,947.49	89.57	145.96	-130.04	-9,815.87	369.14	2,840.09	2,642.07	198.02	14.342	
18,600.00	7,304.69	18,381.00	8,947.49	90.29	145.96	-130.04	-9,815.87	369.14	2,884.01	2,688.05	195.96	14.717	
18,700.00	7,305.53	18,381.00	8,947.49	91.02	145.96	-130.04	-9,815.87	369.14	2,930.69	2,736.88	193.81	15.122	
18,800.00	7,306.37	18,381.00	8,947.49	91.74	145.96	-130.04	-9,815.87	369.14	2,979.99	2,788.42	191.58	15.555	
18,900.00	7,307.20	18,381.00	8,947.49	92.47	145.96	-130.04	-9,815.87	369.14	3,031.79	2,842.51	189.29	16.017	
19,000.00	7,308.04	18,381.00	8,947.49	93.20	145.96	-130.04	-9,815.87	369.14	3,085.97	2,899.01	186.96	16.506	
19,100.00	7,308.88	18,381.00	8,947.49	93.92	145.96	-130.04	-9,815.87	369.14	3,142.39	2,957.79	184.60	17.023	
19,200.00	7,309.72	18,381.00	8,947.49	94.65	145.96	-130.04	-9,815.87	369.14	3,200.94	3,018.71	182.23	17.566	
19,300.00	7,310.55	18,381.00	8,947.49	95.38	145.96	-130.04	-9,815.87	369.14	3,261.51	3,081.66	179.85	18.135	
19,400.00	7,311.39	18,381.00	8,947.49	96.11	145.96	-130.04	-9,815.87	369.14	3,323.98	3,146.50	177.48	18.729	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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)	Rule Assigned: Minimum Separation (usft)	Separation Factor	Warning
10,600.00	7,237.67	7,291.27	7,237.67	37.76	221.43	-89.99	-3,198.01	1,776.63	3,336.39	3,078.13	258.27	12.918	
10,696.32	7,238.47	7,292.07	7,238.47	38.24	221.45	-90.00	-3,198.01	1,776.63	3,335.00	3,076.39	258.61	12.896	CC
10,700.00	7,238.50	7,292.10	7,238.50	38.26	221.45	-90.00	-3,198.01	1,776.63	3,335.00	3,076.37	258.63	12.895	ES, SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.00	18.40	0.00	0.00	86.69	151.76	2,627.02	2,631.46				
100.00	100.00	99.38	117.78	0.28	0.15	86.70	151.68	2,626.69	2,631.12	2,630.69	0.43	6,105.548	
200.00	200.00	213.88	232.27	0.63	0.40	86.70	151.40	2,625.52	2,630.08	2,629.04	1.04	2,533.272	
300.00	300.00	312.77	331.16	0.99	0.76	86.70	151.24	2,624.32	2,628.86	2,627.11	1.75	1,501.346	
400.00	400.00	410.47	428.85	1.35	1.11	86.70	151.04	2,623.22	2,627.72	2,625.26	2.46	1,068.370	
500.00	500.00	503.07	521.44	1.71	1.44	86.71	150.72	2,622.21	2,626.62	2,623.47	3.15	834.884	
559.55	559.55	541.04	559.41	1.92	1.57	86.71	150.62	2,622.06	2,626.38	2,622.89	3.49	752.726	CC
600.00	600.00	573.00	591.37	2.07	1.68	86.71	150.61	2,622.17	2,626.51	2,622.76	3.74	701.658	ES
700.00	700.00	654.30	672.67	2.43	1.95	86.71	150.66	2,622.87	2,627.34	2,622.97	4.37	600.905	
800.00	800.00	761.86	780.23	2.79	2.31	86.71	150.82	2,623.84	2,628.25	2,623.15	5.10	515.752	
900.00	900.00	854.94	873.30	3.14	2.63	86.70	151.15	2,624.66	2,629.15	2,623.37	5.77	455.268	
1,000.00	1,000.00	960.86	979.22	3.50	3.00	86.70	151.51	2,625.60	2,630.05	2,623.55	6.50	404.507	
1,100.00	1,100.00	1,058.18	1,076.53	3.86	3.34	86.69	151.91	2,626.25	2,630.74	2,623.54	7.20	365.332	
1,200.00	1,200.00	1,135.00	1,153.34	4.22	3.61	86.68	152.36	2,627.49	2,632.31	2,624.48	7.83	336.242	
1,300.00	1,299.98	1,185.02	1,203.34	4.57	3.79	163.86	152.74	2,628.98	2,636.86	2,628.51	8.35	315.634	
1,400.00	1,399.84	1,259.49	1,277.73	4.92	4.05	163.82	153.45	2,632.24	2,646.23	2,637.27	8.96	295.270	
1,500.00	1,499.45	1,361.02	1,379.16	5.27	4.41	163.77	154.89	2,636.62	2,658.97	2,649.30	9.67	274.971	
1,600.00	1,598.70	1,442.15	1,460.18	5.62	4.70	163.72	156.26	2,640.50	2,675.50	2,665.19	10.30	259.641	
1,700.00	1,697.47	1,542.55	1,560.43	5.98	5.06	163.67	157.89	2,645.81	2,695.82	2,684.81	11.01	244.843	
1,800.00	1,795.62	1,658.22	1,675.98	6.33	5.47	163.68	157.96	2,650.97	2,718.48	2,706.70	11.77	230.888	
1,900.00	1,893.06	1,817.00	1,834.63	6.70	6.04	163.79	156.17	2,656.97	2,744.01	2,731.32	12.70	216.143	
2,000.00	1,989.72	1,922.24	1,939.83	7.06	6.41	163.90	154.41	2,659.26	2,770.71	2,757.29	13.42	206.437	
2,100.00	2,086.22	2,036.12	2,053.68	7.43	6.81	164.13	152.23	2,660.82	2,797.19	2,783.01	14.17	197.337	
2,200.00	2,182.72	2,124.11	2,141.64	7.80	7.12	164.30	150.31	2,662.02	2,823.71	2,808.87	14.84	190.302	
2,300.00	2,279.23	2,221.75	2,239.25	8.18	7.47	164.49	148.36	2,663.62	2,850.53	2,834.99	15.54	183.423	
2,400.00	2,375.73	2,325.66	2,343.12	8.56	7.83	164.69	146.11	2,664.95	2,877.02	2,860.75	16.27	176.833	
2,500.00	2,472.23	2,429.58	2,447.01	8.94	8.20	164.88	143.69	2,666.11	2,903.38	2,886.38	17.00	170.772	
2,600.00	2,568.74	2,525.56	2,542.97	9.32	8.54	165.06	141.61	2,666.96	2,929.56	2,911.86	17.71	165.457	
2,700.00	2,665.24	2,621.24	2,638.61	9.70	8.88	165.24	139.04	2,667.90	2,955.83	2,937.42	18.41	160.543	
2,800.00	2,761.74	2,715.46	2,732.79	10.09	9.21	165.41	136.64	2,668.83	2,982.15	2,963.03	19.11	156.022	
2,900.00	2,858.25	2,831.91	2,849.20	10.47	9.62	165.62	134.01	2,669.70	3,008.28	2,988.38	19.90	151.148	
3,000.00	2,954.75	2,917.69	2,934.97	10.86	9.93	165.76	132.35	2,670.14	3,034.20	3,013.62	20.58	147.467	
3,100.00	3,051.25	3,010.64	3,027.90	11.25	10.26	165.91	130.64	2,670.84	3,060.36	3,039.08	21.28	143.830	
3,200.00	3,147.75	3,111.57	3,128.81	11.64	10.62	166.08	128.43	2,671.57	3,086.52	3,064.51	22.01	140.217	
3,300.00	3,244.26	3,213.94	3,231.15	12.03	10.98	166.24	126.26	2,672.12	3,112.53	3,089.78	22.75	136.790	
3,400.00	3,340.76	3,322.63	3,339.82	12.42	11.37	166.41	124.22	2,672.38	3,138.27	3,114.75	23.52	133.425	
3,500.00	3,437.26	3,427.54	3,444.71	12.82	11.74	166.57	121.99	2,672.24	3,163.67	3,139.39	24.27	130.335	
3,600.00	3,533.77	3,524.88	3,542.03	13.21	12.08	166.71	120.30	2,672.02	3,188.99	3,164.00	25.00	127.580	
3,700.00	3,630.27	3,627.45	3,644.57	13.60	12.44	166.87	118.05	2,671.68	3,214.24	3,188.49	25.74	124.871	
3,800.00	3,726.77	3,727.23	3,744.33	14.00	12.79	167.01	116.13	2,671.13	3,239.29	3,212.82	26.47	122.357	
3,900.00	3,823.28	3,825.87	3,842.96	14.39	13.14	167.15	114.31	2,670.60	3,264.37	3,237.17	27.20	119.996	
4,000.00	3,919.78	3,927.39	3,944.46	14.79	13.49	167.27	113.21	2,669.90	3,289.32	3,261.38	27.94	117.734	
4,100.00	4,016.28	4,050.63	4,067.70	15.18	13.90	167.39	113.98	2,668.60	3,313.94	3,285.18	28.75	115.263	SF

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	12.40	0.00	0.00	87.99	60.40	1,720.44	1,721.54				
100.00	100.00	86.85	99.25	0.28	0.14	87.98	60.53	1,720.45	1,721.52	1,721.11	0.41	4,160.957	
200.00	200.00	186.00	198.40	0.63	0.30	87.97	61.00	1,720.51	1,721.59	1,720.66	0.93	1,852.368	
300.00	300.00	287.57	299.96	0.99	0.63	87.94	61.75	1,720.54	1,721.64	1,720.02	1.62	1,060.304	
400.00	400.00	388.74	401.13	1.35	0.99	87.92	62.54	1,720.47	1,721.61	1,719.26	2.34	734.321	
500.00	500.00	491.69	504.08	1.71	1.36	87.89	63.45	1,720.28	1,721.45	1,718.38	3.07	560.470	
600.00	600.00	590.88	603.27	2.07	1.72	87.85	64.49	1,720.02	1,721.23	1,717.44	3.78	454.755	
700.00	700.00	691.48	703.86	2.43	2.08	87.82	65.57	1,719.82	1,721.08	1,716.57	4.50	382.180	
800.00	800.00	797.17	809.55	2.79	2.46	87.79	66.43	1,719.36	1,720.67	1,715.43	5.24	328.440	
900.00	900.00	903.19	915.55	3.14	2.83	87.75	67.55	1,718.55	1,719.94	1,713.97	5.98	287.836	
1,000.00	1,000.00	1,040.37	1,052.70	3.50	3.32	87.73	68.15	1,715.63	1,717.79	1,710.98	6.81	252.125	
1,100.00	1,100.00	1,124.95	1,137.24	3.86	3.61	87.74	67.67	1,713.37	1,715.11	1,707.65	7.46	229.798	
1,200.00	1,200.00	1,206.00	1,218.28	4.22	3.88	87.78	66.51	1,712.34	1,713.73	1,705.64	8.10	211.647	
1,227.16	1,227.16	1,230.58	1,242.85	4.31	3.96	165.00	65.97	1,712.19	1,713.66	1,705.39	8.28	207.079	
1,300.00	1,299.98	1,358.53	1,370.72	4.57	4.40	165.14	62.41	1,709.41	1,713.69	1,704.73	8.96	191.201	
1,386.78	1,386.65	1,482.50	1,494.48	4.87	4.84	165.25	60.59	1,702.66	1,713.02	1,703.33	9.69	176.788	CC
1,400.00	1,399.84	1,498.84	1,510.79	4.92	4.89	165.26	60.46	1,701.62	1,713.04	1,703.25	9.79	174.943	ES
1,500.00	1,499.45	1,593.47	1,605.24	5.27	5.23	165.33	60.00	1,695.72	1,715.23	1,704.75	10.48	163.713	
1,600.00	1,598.70	1,714.70	1,726.21	5.62	5.66	165.38	61.08	1,688.08	1,720.87	1,709.62	11.25	152.933	
1,700.00	1,697.47	1,986.91	1,995.71	5.98	6.65	165.37	70.73	1,651.95	1,721.53	1,709.05	12.47	138.014	
1,744.95	1,741.67	2,052.01	2,059.68	6.14	6.88	165.37	73.24	1,640.21	1,721.37	1,708.52	12.85	134.002	
1,800.00	1,795.62	2,103.59	2,110.35	6.33	7.07	165.38	75.23	1,630.73	1,721.90	1,708.67	13.23	130.126	
1,900.00	1,893.06	2,209.86	2,214.70	6.70	7.46	165.41	79.28	1,611.03	1,725.33	1,711.36	13.97	123.508	
2,000.00	1,989.72	2,310.04	2,313.03	7.06	7.83	165.47	82.70	1,592.18	1,731.59	1,716.89	14.70	117.828	
2,100.00	2,086.22	2,403.76	2,405.06	7.43	8.17	165.56	85.61	1,574.73	1,738.63	1,723.22	15.41	112.834	
2,200.00	2,182.72	2,510.00	2,509.41	7.80	8.56	165.67	88.71	1,555.00	1,745.73	1,729.57	16.16	108.025	
2,300.00	2,279.23	2,609.99	2,607.56	8.18	8.93	165.79	91.23	1,536.09	1,752.47	1,735.57	16.90	103.698	
2,400.00	2,375.73	2,698.39	2,694.41	8.56	9.26	165.90	93.01	1,519.71	1,759.61	1,742.00	17.61	99.920	
2,500.00	2,472.23	2,781.14	2,775.84	8.94	9.57	166.03	94.28	1,505.05	1,767.56	1,749.26	18.31	96.558	
2,600.00	2,568.74	2,875.36	2,868.70	9.32	9.92	166.17	95.63	1,489.16	1,776.37	1,757.34	19.04	93.317	
2,700.00	2,665.24	2,979.15	2,970.84	9.70	10.31	166.21	100.63	1,471.38	1,784.99	1,765.19	19.80	90.166	
2,800.00	2,761.74	3,080.44	3,070.51	10.09	10.68	166.26	105.08	1,453.92	1,793.49	1,772.93	20.55	87.263	
2,900.00	2,858.25	3,167.37	3,156.11	10.47	11.01	166.33	108.14	1,439.11	1,802.20	1,780.93	21.27	84.744	
3,000.00	2,954.75	3,246.73	3,234.42	10.86	11.30	166.42	110.07	1,426.37	1,811.88	1,789.92	21.96	82.526	
3,100.00	3,051.25	3,337.66	3,324.31	11.25	11.64	166.55	111.43	1,412.74	1,822.61	1,799.93	22.68	80.361	
3,200.00	3,147.75	3,451.04	3,436.26	11.64	12.06	166.63	115.51	1,395.31	1,832.99	1,809.51	23.48	78.066	
3,300.00	3,244.26	3,606.43	3,589.16	12.03	12.64	166.68	123.26	1,368.75	1,841.76	1,817.34	24.41	75.444	
3,400.00	3,340.76	3,722.45	3,702.71	12.42	13.08	166.68	130.01	1,345.93	1,847.73	1,822.50	25.22	73.254	
3,500.00	3,437.26	3,804.72	3,783.37	12.82	13.39	166.71	133.81	1,330.15	1,854.27	1,828.33	25.94	71.493	
3,600.00	3,533.77	3,884.64	3,861.91	13.21	13.69	166.78	136.36	1,315.61	1,861.81	1,835.17	26.64	69.890	
3,700.00	3,630.27	3,973.82	3,949.76	13.60	14.03	166.89	138.15	1,300.38	1,870.45	1,843.08	27.37	68.341	
3,800.00	3,726.77	4,104.07	4,077.79	14.00	14.52	167.02	141.60	1,276.70	1,877.92	1,849.69	28.23	66.518	
3,900.00	3,823.28	4,191.78	4,163.93	14.39	14.85	167.09	144.29	1,260.41	1,885.12	1,856.16	28.96	65.091	
4,000.00	3,919.78	4,282.87	4,253.57	14.79	15.19	167.18	146.55	1,244.32	1,893.20	1,863.50	29.70	63.742	
4,100.00	4,016.28	4,397.29	4,366.02	15.18	15.62	167.24	151.47	1,223.81	1,901.04	1,870.52	30.52	62.296	
4,200.00	4,112.78	4,490.27	4,457.24	15.58	15.97	167.23	157.15	1,206.73	1,908.41	1,877.15	31.26	61.044	
4,300.00	4,209.29	4,576.43	4,541.92	15.97	16.30	167.25	161.57	1,191.49	1,916.48	1,884.50	31.99	59.915	
4,400.00	4,305.79	4,677.37	4,641.26	16.37	16.68	167.30	165.93	1,174.09	1,925.01	1,892.25	32.76	58.762	
4,500.00	4,402.29	4,812.03	4,773.36	16.77	17.19	167.28	174.39	1,149.37	1,932.36	1,898.72	33.64	57.437	
4,600.00	4,498.80	4,892.00	4,851.79	17.17	17.49	167.27	179.15	1,134.56	1,939.54	1,905.19	34.35	56.462	
4,700.00	4,595.30	4,971.17	4,929.65	17.56	17.79	167.30	182.98	1,120.69	1,947.75	1,912.70	35.05	55.567	
4,800.00	4,691.80	5,065.64	5,022.64	17.96	18.14	167.33	187.38	1,104.66	1,956.55	1,920.74	35.80	54.647	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
4,900.00	4,788.31	5,165.09	5,120.45	18.36	18.52	167.31	193.88	1,087.89	1,965.44	1,928.86	36.57	53.741	
5,000.00	4,884.81	5,248.54	5,202.51	18.76	18.83	167.27	200.10	1,074.13	1,974.69	1,937.41	37.28	52.966	
5,100.00	4,981.31	5,305.26	5,258.46	19.16	19.04	167.26	203.74	1,065.48	1,985.31	1,947.43	37.88	52.406	
5,200.00	5,077.81	5,362.00	5,314.69	19.55	19.25	167.28	206.30	1,058.40	1,998.45	1,959.98	38.47	51.951	
5,300.00	5,174.32	5,392.59	5,345.11	19.95	19.36	167.30	207.36	1,055.42	2,014.22	1,975.31	38.91	51.771	
5,400.00	5,270.82	5,457.00	5,409.37	20.35	19.59	167.35	209.55	1,051.71	2,033.56	1,994.07	39.48	51.506	
5,500.00	5,367.32	5,457.00	5,409.37	20.75	19.59	167.35	209.55	1,051.71	2,054.87	2,015.18	39.68	51.780	
5,600.00	5,463.83	5,500.27	5,452.62	21.15	19.74	167.38	210.78	1,051.17	2,079.53	2,039.46	40.08	51.887	
5,700.00	5,560.33	5,551.00	5,503.32	21.55	19.91	167.44	211.70	1,052.53	2,107.26	2,066.76	40.50	52.034	
5,800.00	5,656.83	5,585.83	5,538.10	21.95	20.01	167.48	212.11	1,054.34	2,137.23	2,096.45	40.79	52.401	
5,900.00	5,753.34	5,652.18	5,604.31	22.35	20.22	167.57	212.77	1,058.51	2,168.88	2,127.61	41.27	52.558	
6,000.00	5,849.84	5,761.20	5,713.08	22.75	20.56	167.71	213.75	1,065.98	2,201.12	2,159.08	42.03	52.365	
6,100.00	5,946.34	5,962.87	5,914.61	23.15	21.19	168.05	211.94	1,072.56	2,229.39	2,185.99	43.40	51.373	
6,200.00	6,042.85	6,056.96	6,008.67	23.55	21.48	168.22	210.68	1,073.86	2,256.45	2,212.37	44.08	51.193	
6,300.00	6,139.35	6,153.38	6,105.08	23.95	21.79	168.39	209.26	1,075.41	2,283.74	2,238.97	44.77	51.005	
6,400.00	6,235.85	6,262.06	6,213.74	24.35	22.14	168.58	207.76	1,076.60	2,310.55	2,265.00	45.55	50.727	
6,500.00	6,332.35	6,389.07	6,340.74	24.75	22.56	168.76	207.25	1,077.23	2,336.84	2,290.40	46.44	50.319	
6,600.00	6,428.86	6,508.95	6,460.61	25.15	22.97	168.89	208.01	1,076.12	2,361.65	2,314.35	47.30	49.925	
6,700.00	6,525.36	6,601.53	6,553.18	25.55	23.29	169.01	207.89	1,074.94	2,386.18	2,338.18	48.01	49.706	
6,800.00	6,621.86	6,699.47	6,651.11	25.95	23.63	169.15	206.99	1,073.89	2,410.96	2,362.22	48.74	49.469	
6,900.00	6,718.31	6,804.34	6,755.00	26.35	23.97	-159.38	194.04	1,071.30	2,435.01	2,385.52	49.49	49.199	
7,000.00	6,812.98	6,871.00	6,818.79	26.72	24.18	-132.14	174.92	1,070.36	2,460.80	2,410.80	50.00	49.219	
7,100.00	6,903.02	6,898.40	6,844.20	27.06	24.25	-116.62	164.66	1,070.41	2,487.63	2,437.40	50.23	49.526	
7,200.00	6,985.68	6,965.00	6,903.81	27.35	24.43	-107.02	135.08	1,071.86	2,515.43	2,464.78	50.65	49.662	
7,300.00	7,058.46	7,041.80	6,968.04	27.60	24.62	-100.56	93.09	1,073.38	2,541.58	2,490.49	51.09	49.746	
7,400.00	7,119.14	7,152.00	7,053.00	27.80	24.85	-96.24	23.24	1,074.57	2,564.51	2,512.84	51.68	49.625	
7,500.00	7,165.89	7,238.21	7,115.13	27.97	25.01	-93.30	-36.52	1,075.65	2,584.62	2,532.50	52.12	49.588	
7,600.00	7,197.27	7,369.33	7,202.20	28.12	25.31	-91.98	-134.29	1,075.17	2,599.79	2,547.02	52.77	49.263	
7,700.00	7,212.34	7,434.00	7,238.56	28.27	25.47	-91.00	-187.74	1,075.37	2,612.28	2,559.19	53.08	49.212	
7,800.00	7,214.21	7,637.22	7,312.61	28.43	25.90	-92.19	-376.23	1,071.66	2,619.56	2,565.71	53.85	48.650	
7,900.00	7,215.05	7,692.12	7,325.87	28.59	26.01	-92.46	-429.49	1,070.49	2,626.56	2,572.49	54.07	48.574	
8,000.00	7,215.88	7,780.49	7,338.68	28.77	26.18	-92.71	-516.85	1,069.70	2,633.90	2,579.51	54.39	48.427	
8,100.00	7,216.72	7,852.52	7,342.20	28.96	26.31	-92.74	-588.79	1,069.86	2,638.66	2,584.02	54.64	48.288	
8,200.00	7,217.56	7,983.99	7,344.11	29.16	26.57	-92.74	-720.22	1,070.84	2,640.52	2,585.44	55.08	47.939	
8,300.00	7,218.40	8,140.13	7,346.13	29.36	26.91	-92.76	-876.29	1,067.57	2,637.73	2,582.06	55.66	47.387	
8,400.00	7,219.24	8,228.54	7,346.13	29.58	27.12	-92.75	-964.69	1,065.59	2,635.13	2,579.07	56.06	47.003	
8,500.00	7,220.07	8,310.00	7,345.26	29.81	27.33	-92.72	-1,046.13	1,064.43	2,633.26	2,576.79	56.46	46.635	
8,600.00	7,220.91	8,405.00	7,344.28	30.06	27.59	-92.68	-1,141.12	1,063.40	2,631.75	2,574.80	56.95	46.212	
8,669.74	7,221.50	8,436.74	7,343.90	30.24	27.69	-92.67	-1,172.86	1,063.27	2,631.22	2,574.06	57.16	46.031	
8,700.00	7,221.75	8,449.57	7,343.58	30.32	27.73	-92.66	-1,185.68	1,063.38	2,631.32	2,574.07	57.25	45.964	
8,800.00	7,222.59	8,500.00	7,341.42	30.60	27.87	-92.60	-1,236.05	1,064.66	2,633.11	2,575.54	57.57	45.738	
8,900.00	7,223.42	8,612.84	7,335.33	30.89	28.23	-92.44	-1,348.66	1,068.35	2,635.82	2,577.62	58.20	45.287	
9,000.00	7,224.26	8,715.04	7,331.22	31.19	28.58	-92.33	-1,450.75	1,070.86	2,637.74	2,578.91	58.83	44.838	
9,100.00	7,225.10	8,808.84	7,326.86	31.51	28.90	-92.22	-1,544.40	1,073.62	2,640.11	2,580.68	59.44	44.420	
9,200.00	7,225.94	8,927.76	7,323.55	31.84	29.33	-92.13	-1,663.25	1,075.86	2,641.44	2,581.22	60.22	43.864	
9,300.00	7,226.78	9,014.68	7,320.82	32.19	29.66	-92.05	-1,750.11	1,077.92	2,643.32	2,582.47	60.85	43.441	
9,400.00	7,227.61	9,153.69	7,317.43	32.55	30.20	-91.95	-1,889.04	1,080.02	2,644.31	2,582.48	61.83	42.771	
9,500.00	7,228.45	9,253.00	7,316.19	32.92	30.60	-91.90	-1,988.33	1,080.85	2,644.74	2,582.15	62.59	42.252	
9,600.00	7,229.29	9,368.22	7,313.67	33.30	31.09	-91.83	-2,103.51	1,081.99	2,645.35	2,581.85	63.50	41.662	
9,600.64	7,229.29	9,368.67	7,313.67	33.30	31.09	-91.83	-2,103.96	1,082.00	2,645.35	2,581.85	63.50	41.659	
9,700.00	7,230.13	9,441.00	7,313.71	33.70	31.40	-91.82	-2,176.29	1,082.68	2,645.91	2,581.77	64.14	41.250	
9,800.00	7,230.96	9,536.00	7,313.90	34.11	31.82	-91.80	-2,271.28	1,084.16	2,647.11	2,582.15	64.96	40.747	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
9,900.00	7,231.80	9,597.04	7,312.84	34.52	32.10	-91.77	-2,332.29	1,085.61	2,649.07	2,583.52	65.55	40.412	
10,000.00	7,232.64	9,676.35	7,310.17	34.96	32.46	-91.69	-2,411.49	1,088.58	2,652.32	2,586.04	66.28	40.019	
10,100.00	7,233.48	9,839.94	7,305.37	35.40	33.24	-91.56	-2,574.93	1,093.01	2,654.59	2,586.92	67.67	39.230	
10,200.00	7,234.32	9,912.00	7,303.82	35.85	33.59	-91.51	-2,646.96	1,094.66	2,656.39	2,588.00	68.38	38.845	
10,300.00	7,235.15	10,039.76	7,301.10	36.31	34.22	-91.43	-2,774.66	1,097.15	2,657.91	2,588.35	69.56	38.210	
10,400.00	7,235.99	10,317.07	7,288.57	36.78	35.66	-91.11	-3,051.53	1,094.06	2,657.55	2,585.65	71.90	36.961	
10,500.00	7,236.83	10,383.00	7,285.50	37.27	36.02	-91.03	-3,117.34	1,091.75	2,653.26	2,580.62	72.65	36.524	
10,600.00	7,237.67	10,418.37	7,284.16	37.76	36.21	-91.00	-3,152.68	1,091.15	2,650.54	2,577.39	73.15	36.234	
10,700.00	7,238.50	10,495.87	7,281.11	38.26	36.63	-90.92	-3,230.12	1,090.43	2,649.17	2,575.18	73.99	35.803	
10,800.00	7,239.34	10,585.69	7,278.91	38.76	37.12	-90.85	-3,319.90	1,089.98	2,648.29	2,573.34	74.96	35.330	
10,856.12	7,239.81	10,625.64	7,276.44	39.05	37.34	-90.79	-3,359.78	1,090.02	2,648.12	2,572.71	75.41	35.117	
10,900.00	7,240.18	10,666.00	7,271.68	39.28	37.57	-90.68	-3,399.85	1,090.35	2,648.25	2,572.43	75.82	34.927	
11,000.00	7,241.02	10,737.31	7,259.74	39.80	37.98	-90.41	-3,470.14	1,091.38	2,649.13	2,572.54	76.59	34.588	
11,100.00	7,241.86	10,900.78	7,237.22	40.34	38.93	-89.89	-3,631.84	1,092.95	2,650.04	2,571.89	78.15	33.910	
11,200.00	7,242.69	11,043.00	7,236.99	40.87	39.75	-89.86	-3,774.01	1,089.78	2,647.18	2,567.54	79.65	33.237	
11,300.00	7,243.53	11,109.61	7,238.20	41.42	40.14	-89.88	-3,840.59	1,088.39	2,644.90	2,564.41	80.49	32.860	
11,400.00	7,244.37	11,194.49	7,239.86	41.97	40.63	-89.90	-3,925.45	1,088.02	2,644.08	2,562.57	81.51	32.441	
11,500.00	7,245.21	11,294.86	7,240.31	42.53	41.22	-89.89	-4,025.82	1,087.46	2,643.19	2,560.52	82.67	31.974	
11,600.00	7,246.04	11,374.12	7,240.45	43.10	41.69	-89.88	-4,105.08	1,087.28	2,642.66	2,559.02	83.64	31.597	
11,603.90	7,246.08	11,376.94	7,240.46	43.12	41.71	-89.88	-4,107.90	1,087.29	2,642.66	2,558.99	83.67	31.584	
11,700.00	7,246.88	11,445.92	7,240.68	43.67	42.12	-89.87	-4,176.88	1,087.87	2,643.15	2,558.61	84.54	31.266	
11,800.00	7,247.72	11,518.70	7,240.45	44.25	42.56	-89.85	-4,249.64	1,089.26	2,644.72	2,559.27	85.45	30.951	
11,900.00	7,248.56	11,625.98	7,238.73	44.83	43.21	-89.80	-4,356.88	1,091.72	2,646.69	2,559.98	86.71	30.524	
12,000.00	7,249.39	11,740.59	7,234.60	45.42	43.91	-89.69	-4,471.39	1,093.67	2,648.07	2,560.03	88.04	30.077	
12,100.00	7,250.23	11,847.75	7,230.65	46.01	44.58	-89.58	-4,578.47	1,095.28	2,649.27	2,559.96	89.31	29.664	
12,200.00	7,251.07	11,951.75	7,228.47	46.61	45.23	-89.52	-4,682.43	1,096.42	2,650.06	2,559.49	90.57	29.261	
12,300.00	7,251.91	12,042.56	7,226.59	47.21	45.80	-89.46	-4,773.22	1,097.57	2,651.02	2,559.32	91.69	28.911	
12,400.00	7,252.75	12,172.42	7,223.77	47.82	46.62	-89.38	-4,903.04	1,099.06	2,652.22	2,558.99	93.23	28.449	
12,500.00	7,253.58	12,295.68	7,219.12	48.43	47.41	-89.26	-5,026.19	1,099.14	2,653.31	2,558.62	94.69	28.021	
12,587.42	7,254.32	12,394.58	7,215.51	48.97	48.04	-89.16	-5,125.02	1,097.82	2,652.95	2,557.06	95.89	27.667	
12,600.00	7,254.42	12,401.47	7,215.37	49.05	48.09	-89.16	-5,131.90	1,097.76	2,652.96	2,556.97	95.99	27.639	
12,700.00	7,255.26	12,456.00	7,214.93	49.67	48.44	-89.14	-5,186.43	1,097.82	2,654.03	2,557.25	96.78	27.423	
12,800.00	7,256.10	12,551.00	7,215.36	50.30	49.05	-89.13	-5,281.43	1,098.78	2,655.97	2,557.96	98.01	27.100	
12,900.00	7,256.93	12,632.04	7,215.39	50.93	49.57	-89.12	-5,362.45	1,099.96	2,658.38	2,559.30	99.08	26.830	
13,000.00	7,257.77	12,751.01	7,215.31	51.56	50.35	-89.10	-5,481.41	1,101.94	2,661.01	2,560.44	100.58	26.458	
13,100.00	7,258.61	12,897.35	7,212.74	52.19	51.31	-89.01	-5,627.72	1,102.29	2,662.21	2,559.86	102.35	26.012	
13,200.00	7,259.45	13,041.01	7,210.93	52.83	52.26	-88.95	-5,771.35	1,100.07	2,661.56	2,557.48	104.08	25.572	
13,300.00	7,260.29	13,122.14	7,211.57	53.48	52.79	-88.95	-5,852.45	1,098.59	2,660.67	2,555.47	105.20	25.291	
13,400.00	7,261.12	13,228.25	7,214.23	54.12	53.50	-88.99	-5,958.52	1,096.81	2,659.88	2,553.28	106.60	24.952	
13,500.00	7,261.96	13,308.00	7,215.66	54.77	54.03	-89.00	-6,038.25	1,095.86	2,659.58	2,551.86	107.72	24.689	
13,500.60	7,261.97	13,308.00	7,215.66	54.78	54.03	-89.00	-6,038.25	1,095.86	2,659.58	2,551.86	107.72	24.689	
13,600.00	7,262.80	13,390.84	7,215.82	55.42	54.59	-88.99	-6,121.09	1,095.44	2,659.98	2,551.12	108.87	24.434	
13,700.00	7,263.64	13,483.85	7,215.23	56.08	55.21	-88.96	-6,214.10	1,095.26	2,660.75	2,550.63	110.12	24.163	
13,800.00	7,264.47	13,594.16	7,214.33	56.74	55.96	-88.92	-6,324.40	1,095.01	2,661.48	2,549.93	111.55	23.858	
13,900.00	7,265.31	13,677.52	7,213.67	57.40	56.52	-88.89	-6,407.75	1,094.90	2,662.31	2,549.60	112.71	23.621	
14,000.00	7,266.15	13,798.90	7,213.85	58.06	57.34	-88.88	-6,529.13	1,094.79	2,663.18	2,548.90	114.28	23.303	
14,100.00	7,266.99	13,921.30	7,213.33	58.73	58.17	-88.84	-6,651.52	1,093.10	2,662.68	2,546.81	115.87	22.981	
14,200.00	7,267.82	14,029.12	7,212.42	59.39	58.91	-88.80	-6,759.33	1,091.59	2,662.26	2,544.96	117.29	22.697	
14,300.00	7,268.66	14,122.70	7,212.47	60.06	59.55	-88.79	-6,852.89	1,089.85	2,661.36	2,542.78	118.58	22.443	
14,400.00	7,269.50	14,215.30	7,213.57	60.74	60.19	-88.79	-6,945.47	1,088.71	2,661.04	2,541.16	119.87	22.199	
14,500.00	7,270.34	14,311.58	7,213.62	61.41	60.85	-88.78	-7,041.75	1,087.55	2,660.77	2,539.58	121.20	21.954	
14,600.00	7,271.18	14,439.28	7,214.83	62.09	61.73	-88.78	-7,169.43	1,085.73	2,660.33	2,537.46	122.87	21.652	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
14,700.00	7,272.01	14,523.13	7,215.58	62.76	62.31	-88.78	-7,253.26	1,084.21	2,659.45	2,535.37	124.07	21.434	
14,760.85	7,272.52	14,568.36	7,215.59	63.18	62.62	-88.77	-7,298.48	1,083.64	2,659.25	2,534.51	124.74	21.318	
14,800.00	7,272.85	14,596.63	7,215.43	63.44	62.82	-88.76	-7,326.76	1,083.43	2,659.33	2,534.17	125.16	21.247	
14,900.00	7,273.69	14,733.03	7,213.86	64.13	63.77	-88.71	-7,463.14	1,082.22	2,659.55	2,532.63	126.92	20.954	
15,000.00	7,274.53	14,844.34	7,217.40	64.81	64.55	-88.76	-7,574.35	1,079.72	2,658.15	2,529.70	128.45	20.694	
15,100.00	7,275.36	14,919.93	7,222.90	65.50	65.08	-88.87	-7,649.72	1,078.44	2,657.32	2,527.70	129.62	20.501	
15,163.00	7,275.89	14,972.78	7,227.01	65.93	65.46	-88.95	-7,702.40	1,077.88	2,657.20	2,526.78	130.42	20.375	
15,200.00	7,276.20	15,004.00	7,229.25	66.18	65.68	-88.99	-7,733.55	1,077.64	2,657.24	2,526.35	130.88	20.302	
15,300.00	7,277.04	15,076.79	7,234.34	66.87	66.20	-89.09	-7,806.16	1,077.53	2,657.98	2,525.97	132.01	20.135	
15,400.00	7,277.88	15,210.22	7,242.91	67.56	67.14	-89.25	-7,939.31	1,077.47	2,658.93	2,525.08	133.85	19.865	
15,400.59	7,277.88	15,211.15	7,242.96	67.57	67.15	-89.25	-7,940.24	1,077.46	2,658.93	2,525.07	133.86	19.864	
15,500.00	7,278.72	15,306.33	7,248.25	68.26	67.83	-89.34	-8,035.27	1,076.79	2,659.16	2,523.91	135.24	19.662	
15,600.00	7,279.55	15,405.35	7,254.64	68.95	68.53	-89.46	-8,134.08	1,075.93	2,659.23	2,522.55	136.68	19.456	
15,700.00	7,280.39	15,476.00	7,259.44	69.65	69.03	-89.55	-8,204.56	1,075.62	2,659.80	2,522.01	137.79	19.304	
15,800.00	7,281.23	15,571.00	7,265.09	70.34	69.71	-89.66	-8,299.39	1,075.95	2,661.12	2,521.94	139.18	19.121	
15,900.00	7,282.07	15,675.21	7,268.79	71.04	70.46	-89.72	-8,403.53	1,076.60	2,662.73	2,522.07	140.66	18.930	
16,000.00	7,282.91	15,797.14	7,272.73	71.74	71.32	-89.78	-8,525.39	1,076.31	2,663.45	2,521.10	142.35	18.710	
16,100.00	7,283.74	15,888.89	7,275.16	72.44	71.98	-89.82	-8,617.12	1,075.99	2,664.09	2,520.40	143.69	18.541	
16,200.00	7,284.58	15,986.67	7,277.72	73.14	72.68	-89.86	-8,714.86	1,075.99	2,665.08	2,519.98	145.10	18.367	
16,300.00	7,285.42	16,097.09	7,280.16	73.85	73.47	-89.89	-8,825.25	1,075.60	2,665.72	2,519.07	146.65	18.177	
16,400.00	7,286.26	16,204.24	7,281.89	74.55	74.23	-89.91	-8,932.38	1,074.97	2,666.13	2,517.97	148.16	17.994	
16,500.00	7,287.10	16,293.46	7,283.45	75.26	74.87	-89.92	-9,021.59	1,074.39	2,666.49	2,517.02	149.47	17.839	
16,600.00	7,287.93	16,378.69	7,284.88	75.96	75.48	-89.94	-9,106.81	1,074.36	2,667.44	2,516.70	150.73	17.696	
16,700.00	7,288.77	16,478.44	7,286.32	76.67	76.20	-89.95	-9,206.55	1,074.68	2,668.76	2,516.60	152.17	17.538	
16,800.00	7,289.61	16,584.04	7,287.90	77.38	76.96	-89.97	-9,312.13	1,074.77	2,669.84	2,516.17	153.67	17.374	
16,900.00	7,290.45	16,691.03	7,290.69	78.09	77.73	-90.01	-9,419.09	1,074.65	2,670.73	2,515.53	155.20	17.208	
17,000.00	7,291.29	16,779.26	7,293.15	78.80	78.37	-90.05	-9,507.28	1,074.59	2,671.67	2,515.16	156.51	17.070	
17,100.00	7,292.12	16,874.81	7,294.64	79.51	79.06	-90.06	-9,602.82	1,074.88	2,672.97	2,515.07	157.90	16.928	
17,200.00	7,292.96	16,977.57	7,295.13	80.23	79.80	-90.05	-9,705.58	1,075.21	2,674.28	2,514.91	159.37	16.780	
17,300.00	7,293.80	17,055.89	7,294.53	80.94	80.36	-90.03	-9,783.89	1,075.69	2,675.91	2,515.37	160.54	16.668	
17,400.00	7,294.64	17,171.17	7,292.15	81.66	81.20	-89.95	-9,899.14	1,076.79	2,677.89	2,515.74	162.15	16.515	
17,500.00	7,295.48	17,286.54	7,289.19	82.37	82.03	-89.87	-10,014.47	1,076.97	2,679.04	2,515.29	163.75	16.361	
17,600.00	7,296.31	17,315.00	7,288.60	83.09	82.24	-89.85	-10,042.93	1,076.94	2,680.91	2,516.62	164.29	16.318	SF
17,700.00	7,297.15	17,315.00	7,288.60	83.80	82.24	-89.85	-10,042.93	1,076.94	2,686.50	2,522.18	164.32	16.349	
17,800.00	7,297.99	17,315.00	7,288.60	84.52	82.24	-89.85	-10,042.93	1,076.94	2,695.89	2,531.74	164.15	16.424	
17,900.00	7,298.83	17,315.00	7,288.60	85.24	82.24	-89.85	-10,042.93	1,076.94	2,708.95	2,545.15	163.79	16.539	
18,000.00	7,299.66	17,315.00	7,288.60	85.96	82.24	-89.85	-10,042.93	1,076.94	2,725.61	2,562.36	163.25	16.696	
18,100.00	7,300.50	17,315.00	7,288.60	86.68	82.24	-89.85	-10,042.93	1,076.94	2,745.81	2,583.27	162.54	16.893	
18,200.00	7,301.34	17,315.00	7,288.60	87.40	82.24	-89.85	-10,042.93	1,076.94	2,769.48	2,607.81	161.67	17.131	
18,300.00	7,302.18	17,315.00	7,288.60	88.12	82.24	-89.85	-10,042.93	1,076.94	2,796.53	2,635.88	160.65	17.408	
18,400.00	7,303.01	17,315.00	7,288.60	88.85	82.24	-89.85	-10,042.93	1,076.94	2,826.86	2,667.37	159.49	17.724	
18,500.00	7,303.85	17,315.00	7,288.60	89.57	82.24	-89.85	-10,042.93	1,076.94	2,860.36	2,702.15	158.21	18.079	
18,600.00	7,304.69	17,315.00	7,288.60	90.29	82.24	-89.85	-10,042.93	1,076.94	2,896.93	2,740.11	156.83	18.472	
18,700.00	7,305.53	17,315.00	7,288.60	91.02	82.24	-89.85	-10,042.93	1,076.94	2,936.46	2,781.11	155.35	18.902	
18,800.00	7,306.37	17,315.00	7,288.60	91.74	82.24	-89.85	-10,042.93	1,076.94	2,978.81	2,825.02	153.79	19.369	
18,900.00	7,307.20	17,315.00	7,288.60	92.47	82.24	-89.85	-10,042.93	1,076.94	3,023.88	2,871.71	152.17	19.871	
19,000.00	7,308.04	17,315.00	7,288.60	93.20	82.24	-89.85	-10,042.93	1,076.94	3,071.55	2,921.05	150.50	20.409	
19,100.00	7,308.88	17,315.00	7,288.60	93.92	82.24	-89.85	-10,042.93	1,076.94	3,121.69	2,972.91	148.79	20.981	
19,200.00	7,309.72	17,315.00	7,288.60	94.65	82.24	-89.85	-10,042.93	1,076.94	3,174.20	3,027.15	147.04	21.587	
19,300.00	7,310.55	17,315.00	7,288.60	95.38	82.24	-89.85	-10,042.93	1,076.94	3,228.94	3,083.66	145.28	22.225	
19,400.00	7,311.39	17,315.00	7,288.60	96.11	82.24	-89.85	-10,042.93	1,076.94	3,285.82	3,142.31	143.51	22.895	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.00	12.40	0.00	0.00	88.46	46.67	1,734.98	1,735.65				
100.00	100.00	90.31	102.71	0.28	0.14	88.46	46.66	1,734.91	1,735.54	1,735.12	0.42	4,138.972	
200.00	200.00	193.39	205.79	0.63	0.31	88.46	46.61	1,734.66	1,735.29	1,734.35	0.94	1,843.451	
300.00	300.00	300.23	312.63	0.99	0.68	88.46	46.69	1,734.10	1,734.77	1,733.10	1.67	1,039.476	
400.00	400.00	401.67	414.06	1.35	1.04	88.45	47.00	1,733.30	1,734.00	1,731.61	2.39	725.566	
500.00	500.00	504.20	516.59	1.71	1.41	88.43	47.38	1,732.39	1,733.12	1,730.01	3.12	556.353	
600.00	600.00	600.59	612.98	2.07	1.75	88.42	47.66	1,731.43	1,732.13	1,728.32	3.82	453.899	
700.00	700.00	689.33	701.71	2.43	2.06	88.43	47.34	1,731.17	1,731.82	1,727.33	4.48	386.262	
800.00	800.00	799.78	812.16	2.79	2.44	88.45	46.80	1,730.87	1,731.54	1,726.31	5.23	331.190	
900.00	900.00	915.76	928.13	3.14	2.86	88.50	45.39	1,729.55	1,730.38	1,724.38	6.00	288.471	
1,000.00	1,000.00	1,004.37	1,016.72	3.50	3.17	88.55	43.74	1,728.39	1,729.02	1,722.35	6.67	259.168	
1,052.74	1,052.74	1,040.40	1,052.73	3.69	3.30	88.57	43.09	1,728.19	1,728.73	1,721.74	6.99	247.469	CC
1,100.00	1,100.00	1,069.03	1,081.36	3.86	3.39	88.58	42.98	1,728.35	1,728.98	1,721.73	7.25	238.391	ES
1,200.00	1,200.00	1,140.12	1,152.43	4.22	3.63	88.54	44.16	1,729.89	1,731.10	1,723.26	7.85	220.524	
1,300.00	1,299.98	1,225.72	1,237.97	4.57	3.92	165.67	45.93	1,732.36	1,735.77	1,727.28	8.49	204.528	
1,400.00	1,399.84	1,300.00	1,312.13	4.92	4.17	165.58	48.31	1,735.82	1,745.46	1,736.38	9.08	192.209	
1,500.00	1,499.45	1,362.47	1,374.39	5.27	4.38	165.45	51.46	1,739.80	1,760.21	1,750.57	9.63	182.705	
1,600.00	1,598.70	1,434.34	1,445.88	5.62	4.63	165.27	56.41	1,745.27	1,779.75	1,769.53	10.22	174.145	
1,700.00	1,697.47	1,507.13	1,518.16	5.98	4.88	165.06	61.88	1,751.91	1,804.04	1,793.23	10.81	166.921	
1,800.00	1,795.62	1,582.00	1,592.42	6.33	5.14	164.84	67.69	1,759.43	1,832.57	1,821.17	11.40	160.721	
1,900.00	1,893.06	1,652.79	1,662.55	6.70	5.39	164.62	73.26	1,767.39	1,865.47	1,853.49	11.98	155.722	
2,000.00	1,989.72	1,722.66	1,731.62	7.06	5.63	164.48	78.76	1,776.32	1,902.65	1,890.10	12.55	151.605	
2,100.00	2,086.22	1,830.68	1,838.36	7.43	6.01	164.49	86.79	1,790.84	1,941.08	1,927.80	13.28	146.170	
2,200.00	2,182.72	1,936.71	1,943.37	7.80	6.39	164.51	93.99	1,803.62	1,978.09	1,964.08	14.01	141.226	
2,300.00	2,279.23	2,034.20	2,039.96	8.18	6.74	164.53	100.44	1,815.10	2,014.85	2,000.15	14.70	137.048	
2,400.00	2,375.73	2,121.29	2,126.25	8.56	7.05	164.55	106.38	1,825.37	2,051.64	2,036.29	15.36	133.611	
2,500.00	2,472.23	2,211.19	2,215.27	8.94	7.37	164.55	112.70	1,836.17	2,088.65	2,072.63	16.02	130.342	
2,600.00	2,568.74	2,310.21	2,313.33	9.32	7.72	164.56	119.77	1,848.01	2,125.61	2,108.87	16.74	126.994	
2,700.00	2,665.24	2,373.58	2,376.02	9.70	7.95	164.56	124.63	1,855.84	2,162.98	2,145.69	17.29	125.107	
2,800.00	2,761.74	2,442.39	2,443.92	10.09	8.20	164.53	130.52	1,865.34	2,201.67	2,183.81	17.86	123.247	
2,900.00	2,858.25	2,526.41	2,526.72	10.47	8.51	164.50	138.12	1,877.37	2,240.89	2,222.38	18.51	121.048	
3,000.00	2,954.75	2,625.47	2,624.29	10.86	8.87	164.44	147.62	1,891.58	2,280.17	2,260.94	19.24	118.528	
3,100.00	3,051.25	2,700.39	2,698.08	11.25	9.14	164.40	154.74	1,902.44	2,319.59	2,299.75	19.84	116.891	
3,200.00	3,147.75	2,787.69	2,784.05	11.64	9.46	164.38	162.29	1,915.65	2,359.55	2,339.04	20.51	115.023	
3,300.00	3,244.26	2,898.18	2,892.89	12.03	9.86	164.34	171.92	1,932.02	2,399.25	2,377.94	21.30	112.623	
3,400.00	3,340.76	3,005.70	2,998.89	12.42	10.26	164.30	181.90	1,947.04	2,438.16	2,416.08	22.08	110.426	
3,500.00	3,437.26	3,069.39	3,061.68	12.82	10.49	164.28	187.49	1,956.12	2,477.33	2,454.70	22.63	109.459	
3,600.00	3,533.77	3,152.43	3,143.49	13.21	10.80	164.28	193.90	1,968.81	2,517.39	2,494.10	23.28	108.113	
3,700.00	3,630.27	3,279.90	3,269.16	13.60	11.27	164.26	204.16	1,987.50	2,556.94	2,532.77	24.17	105.785	
3,800.00	3,726.77	3,384.00	3,371.99	14.00	11.65	164.24	213.01	2,001.12	2,594.94	2,570.01	24.94	104.067	
3,900.00	3,823.28	3,455.43	3,442.53	14.39	11.91	164.23	219.01	2,010.59	2,633.27	2,607.74	25.53	103.142	
4,000.00	3,919.78	3,527.83	3,513.92	14.79	12.18	164.22	224.70	2,021.23	2,672.78	2,646.65	26.13	102.289	
4,100.00	4,016.28	3,617.77	3,602.55	15.18	12.51	164.22	231.85	2,034.72	2,712.58	2,685.76	26.82	101.129	
4,200.00	4,112.78	3,727.26	3,710.49	15.58	12.91	164.21	240.58	2,050.86	2,752.18	2,724.56	27.62	99.634	
4,300.00	4,209.29	3,880.81	3,862.16	15.97	13.48	164.20	253.10	2,071.23	2,790.43	2,761.78	28.65	97.383	
4,400.00	4,305.79	4,021.85	4,001.84	16.37	14.00	164.18	264.46	2,087.17	2,826.82	2,797.21	29.61	95.463	
4,500.00	4,402.29	4,090.16	4,069.55	16.77	14.25	164.18	269.88	2,094.42	2,862.62	2,832.42	30.20	94.797	
4,600.00	4,498.80	4,149.62	4,128.36	17.17	14.47	164.16	274.93	2,101.55	2,899.61	2,868.88	30.73	94.345	
4,700.00	4,595.30	4,231.00	4,208.79	17.56	14.77	164.15	281.97	2,111.73	2,937.17	2,905.78	31.39	93.583	
4,800.00	4,691.80	4,282.55	4,259.67	17.96	14.96	164.14	286.47	2,118.64	2,975.57	2,943.70	31.87	93.352	
4,900.00	4,788.31	4,333.84	4,310.19	18.36	15.15	164.12	291.01	2,126.31	3,015.34	2,982.99	32.36	93.192	
5,000.00	4,884.81	4,419.00	4,393.97	18.76	15.46	164.11	298.44	2,139.64	3,055.81	3,022.78	33.03	92.521	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,981.31	4,537.99	4,511.11	19.16	15.91	164.09	308.55	2,157.90	3,095.99	3,062.09	33.89	91.345	
5,200.00	5,077.81	4,670.28	4,641.67	19.55	16.40	164.10	318.48	2,176.80	3,135.13	3,100.30	34.83	90.013	
5,300.00	5,174.32	4,781.22	4,751.37	19.95	16.81	164.12	326.00	2,191.54	3,173.30	3,137.65	35.64	89.025	
5,400.00	5,270.82	4,888.56	4,857.59	20.35	17.20	164.15	332.80	2,205.36	3,211.07	3,174.63	36.44	88.121	
5,500.00	5,367.32	5,125.77	5,093.44	20.75	18.06	164.33	340.67	2,229.22	3,245.42	3,207.52	37.90	85.629	
5,600.00	5,463.83	5,230.67	5,197.96	21.15	18.44	164.44	342.99	2,237.75	3,278.59	3,239.92	38.67	84.781	
5,700.00	5,560.33	5,626.30	5,593.23	21.55	19.78	164.94	342.80	2,248.67	3,304.23	3,263.55	40.68	81.229	
5,800.00	5,656.83	5,735.46	5,702.38	21.95	20.14	165.08	342.51	2,247.35	3,328.43	3,287.00	41.43	80.345	SF

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	12.40	0.00	0.00	88.92	32.94	1,749.52	1,749.87				
100.00	100.00	95.73	108.13	0.28	0.15	88.92	32.91	1,749.30	1,749.63	1,749.20	0.43	4,085.854	
200.00	200.00	205.00	217.39	0.63	0.33	88.93	32.80	1,748.50	1,748.90	1,747.94	0.96	1,821.490	
300.00	300.00	311.55	323.94	0.99	0.72	88.92	32.89	1,747.25	1,747.72	1,746.01	1.71	1,021.880	
400.00	400.00	413.09	425.47	1.35	1.08	88.91	33.09	1,745.64	1,746.14	1,743.70	2.43	718.013	
500.00	500.00	491.58	503.95	1.71	1.36	88.92	32.92	1,744.99	1,745.31	1,742.24	3.07	568.880	
522.82	522.82	510.45	522.82	1.79	1.42	88.92	32.81	1,744.97	1,745.28	1,742.07	3.21	542.896	CC
600.00	600.00	575.09	587.46	2.07	1.65	88.94	32.30	1,745.23	1,745.58	1,741.86	3.71	470.044	ES
700.00	700.00	674.09	686.46	2.43	1.98	88.96	31.64	1,745.98	1,746.32	1,741.92	4.41	396.163	
800.00	800.00	771.91	784.27	2.79	2.32	88.98	31.12	1,746.78	1,747.13	1,742.03	5.10	342.405	
900.00	900.00	869.21	881.57	3.14	2.65	88.99	30.93	1,747.74	1,748.11	1,742.31	5.80	301.550	
1,000.00	1,000.00	967.95	980.30	3.50	3.00	88.98	31.07	1,748.84	1,749.22	1,742.73	6.50	269.221	
1,100.00	1,100.00	1,048.56	1,060.91	3.86	3.28	88.97	31.37	1,749.90	1,750.62	1,743.48	7.14	245.338	
1,200.00	1,200.00	1,111.00	1,123.30	4.22	3.49	88.96	31.68	1,752.01	1,753.97	1,746.26	7.71	227.541	
1,300.00	1,299.98	1,164.68	1,176.89	4.57	3.68	166.13	32.08	1,755.09	1,761.39	1,753.14	8.24	213.725	
1,400.00	1,399.84	1,227.89	1,239.88	4.92	3.91	166.07	32.82	1,760.32	1,774.62	1,765.82	8.80	201.626	
1,500.00	1,499.45	1,315.49	1,327.09	5.27	4.22	166.00	34.38	1,768.43	1,792.30	1,782.85	9.45	189.573	
1,600.00	1,598.70	1,398.91	1,410.07	5.62	4.51	165.91	36.47	1,776.77	1,814.04	1,803.95	10.09	179.758	
1,700.00	1,697.47	1,499.75	1,510.33	5.98	4.87	165.80	39.95	1,786.97	1,839.21	1,828.41	10.80	170.340	
1,800.00	1,795.62	1,582.00	1,592.03	6.33	5.16	165.67	43.28	1,795.81	1,868.21	1,856.78	11.43	163.447	
1,900.00	1,893.06	1,645.11	1,654.64	6.70	5.39	165.53	45.84	1,803.33	1,901.51	1,889.53	11.98	158.682	
2,000.00	1,989.72	1,736.94	1,745.63	7.06	5.72	165.48	49.95	1,815.05	1,938.60	1,925.95	12.66	153.180	
2,100.00	2,086.22	1,842.91	1,850.56	7.43	6.10	165.46	57.73	1,827.58	1,975.40	1,962.02	13.38	147.609	
2,200.00	2,182.72	1,910.17	1,917.08	7.80	6.34	165.43	63.14	1,835.93	2,012.80	1,998.85	13.95	144.320	
2,300.00	2,279.23	1,979.91	1,985.93	8.18	6.59	165.41	68.75	1,845.45	2,051.35	2,036.83	14.52	141.263	
2,400.00	2,375.73	2,056.98	2,061.89	8.56	6.87	165.37	75.32	1,856.69	2,090.77	2,075.64	15.13	138.183	
2,500.00	2,472.23	2,149.47	2,153.00	8.94	7.21	165.32	83.40	1,870.44	2,130.47	2,114.66	15.81	134.726	
2,600.00	2,568.74	2,254.33	2,256.34	9.32	7.59	165.27	92.56	1,885.68	2,169.88	2,153.32	16.56	131.048	
2,700.00	2,665.24	2,362.38	2,362.95	9.70	7.98	165.22	101.83	1,900.62	2,208.61	2,191.29	17.32	127.513	
2,800.00	2,761.74	2,439.38	2,438.96	10.09	8.26	165.18	108.46	1,911.02	2,247.10	2,229.16	17.94	125.265	
2,900.00	2,858.25	2,493.68	2,492.45	10.47	8.46	165.16	113.03	1,919.16	2,286.92	2,268.48	18.45	123.985	
3,000.00	2,954.75	2,566.60	2,564.10	10.86	8.73	165.14	119.02	1,931.26	2,328.14	2,309.10	19.04	122.267	
3,100.00	3,051.25	2,690.54	2,686.00	11.25	9.19	165.08	129.87	1,950.89	2,368.73	2,348.84	19.90	119.044	
3,200.00	3,147.75	2,774.44	2,768.61	11.64	9.50	165.05	137.13	1,963.62	2,408.74	2,388.19	20.55	117.193	
3,300.00	3,244.26	2,859.05	2,851.89	12.03	9.81	165.04	143.66	1,977.05	2,449.34	2,428.13	21.21	115.459	
3,400.00	3,340.76	2,964.69	2,955.94	12.42	10.20	165.02	151.65	1,993.50	2,489.68	2,467.70	21.98	113.250	
3,500.00	3,437.26	3,064.73	3,054.53	12.82	10.57	165.01	159.43	2,008.56	2,529.54	2,506.81	22.73	111.304	
3,600.00	3,533.77	3,187.07	3,175.23	13.21	11.02	165.00	168.67	2,026.30	2,568.92	2,545.34	23.58	108.927	
3,700.00	3,630.27	3,288.00	3,275.01	13.60	11.39	164.99	176.25	2,039.39	2,606.77	2,582.44	24.33	107.136	
3,800.00	3,726.77	3,340.37	3,326.74	14.00	11.59	164.98	180.24	2,046.47	2,645.48	2,620.65	24.83	106.542	
3,900.00	3,823.28	3,382.00	3,367.71	14.39	11.74	164.98	183.40	2,053.15	2,686.16	2,660.89	25.26	106.321	
4,000.00	3,919.78	3,489.16	3,473.04	14.79	12.14	164.96	191.83	2,071.01	2,727.54	2,701.49	26.05	104.689	
4,100.00	4,016.28	3,606.83	3,588.86	15.18	12.58	164.94	201.09	2,089.59	2,768.10	2,741.20	26.90	102.906	
4,200.00	4,112.78	3,743.75	3,723.90	15.58	13.09	164.92	212.00	2,109.37	2,807.41	2,779.57	27.85	100.822	
4,300.00	4,209.29	3,804.35	3,783.72	15.97	13.31	164.91	216.73	2,117.84	2,846.34	2,817.95	28.39	100.271	
4,400.00	4,305.79	3,857.89	3,836.43	16.37	13.51	164.90	221.15	2,126.12	2,886.58	2,857.69	28.89	99.933	
4,500.00	4,402.29	3,983.56	3,960.11	16.77	13.98	164.87	231.67	2,145.75	2,927.03	2,897.25	29.78	98.289	
4,600.00	4,498.80	4,132.64	4,107.35	17.17	14.53	164.85	243.48	2,165.91	2,965.24	2,934.44	30.79	96.291	
4,700.00	4,595.30	4,171.26	4,145.50	17.56	14.68	164.84	246.44	2,171.09	3,003.82	2,972.60	31.22	96.220	
4,800.00	4,691.80	4,229.00	4,202.21	17.96	14.89	164.83	251.11	2,180.84	3,044.85	3,013.11	31.74	95.933	
4,900.00	4,788.31	4,229.00	4,202.21	18.36	14.89	164.83	251.11	2,180.84	3,086.83	3,054.90	31.92	96.700	
5,000.00	4,884.81	4,308.53	4,280.00	18.76	15.19	164.82	257.82	2,196.00	3,130.39	3,097.82	32.56	96.134	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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	4,981.31	4,471.51	4,439.74	19.16	15.81	164.78	271.68	2,225.19	3,172.87	3,139.17	33.69	94.167	
5,200.00	5,077.81	4,624.45	4,590.24	19.55	16.38	164.76	283.60	2,249.63	3,213.64	3,178.89	34.75	92.468	SF
5,300.00	5,174.32	4,660.01	4,625.19	19.95	16.51	164.76	286.59	2,255.46	3,254.42	3,219.27	35.15	92.591	
5,400.00	5,270.82	4,713.47	4,677.61	20.35	16.72	164.74	291.53	2,264.69	3,296.34	3,260.70	35.64	92.493	

Total Directional

Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
0.00	0.00	0.00	12.40	0.00	0.00	87.51	74.13	1,705.90	1,707.55				
100.00	100.00	82.97	95.37	0.28	0.13	87.51	74.15	1,706.01	1,707.63	1,707.22	0.41	4,187.893	
200.00	200.00	177.69	190.09	0.63	0.28	87.51	74.24	1,706.41	1,708.05	1,707.14	0.92	1,863.714	
300.00	300.00	276.30	288.70	0.99	0.59	87.50	74.50	1,707.04	1,708.71	1,707.12	1.58	1,079.139	
400.00	400.00	383.29	395.68	1.35	0.97	87.49	74.91	1,707.51	1,709.16	1,706.84	2.32	735.631	
500.00	500.00	483.32	495.72	1.71	1.33	87.48	75.19	1,707.74	1,709.40	1,706.36	3.04	562.447	
600.00	600.00	581.65	594.05	2.07	1.68	87.47	75.50	1,708.00	1,709.68	1,705.93	3.75	455.954	
700.00	700.00	677.97	690.36	2.43	2.03	87.45	76.05	1,708.46	1,710.18	1,705.73	4.45	384.069	
800.00	800.00	786.06	798.44	2.79	2.41	87.42	76.90	1,708.81	1,710.54	1,705.34	5.20	329.171	
900.00	900.00	883.28	895.66	3.14	2.76	87.39	77.87	1,708.94	1,710.71	1,704.81	5.90	289.949	
1,000.00	1,000.00	983.34	995.71	3.50	3.11	87.35	79.06	1,709.17	1,711.00	1,704.39	6.61	258.681	
1,100.00	1,100.00	1,096.26	1,108.61	3.86	3.51	87.29	80.92	1,709.05	1,710.98	1,703.61	7.37	232.064	
1,200.00	1,200.00	1,263.81	1,276.02	4.22	4.10	87.11	86.20	1,704.91	1,708.78	1,700.47	8.31	205.601	
1,300.00	1,299.98	1,416.25	1,427.97	4.57	4.63	164.10	93.43	1,695.20	1,704.27	1,695.09	9.18	185.668	
1,400.00	1,399.84	1,559.15	1,570.13	4.92	5.13	163.94	99.91	1,682.34	1,700.56	1,690.55	10.00	169.974	
1,500.00	1,499.45	1,714.00	1,723.64	5.27	5.68	163.77	108.13	1,663.75	1,697.18	1,686.32	10.86	156.222	
1,600.00	1,598.70	1,856.35	1,864.11	5.62	6.19	163.62	116.83	1,642.44	1,694.21	1,682.53	11.69	144.981	
1,664.27	1,662.24	1,917.45	1,924.33	5.85	6.41	163.57	120.18	1,632.71	1,693.46	1,681.33	12.13	139.595	CC
1,700.00	1,697.47	1,952.86	1,959.26	5.98	6.54	163.56	121.93	1,627.12	1,693.69	1,681.31	12.38	136.782	ES
1,800.00	1,795.62	2,077.81	2,082.35	6.33	6.99	163.52	128.32	1,606.63	1,696.02	1,682.85	13.16	128.851	
1,900.00	1,893.06	2,192.77	2,195.23	6.70	7.41	163.47	134.99	1,585.95	1,700.04	1,686.12	13.92	122.125	
2,000.00	1,989.72	2,287.72	2,288.43	7.06	7.75	163.45	140.87	1,568.76	1,707.09	1,692.46	14.63	116.679	
2,100.00	2,086.22	2,385.00	2,383.87	7.43	8.11	163.41	148.12	1,551.36	1,715.02	1,699.67	15.35	111.720	
2,200.00	2,182.72	2,483.94	2,480.96	7.80	8.48	163.38	155.26	1,533.73	1,723.01	1,706.93	16.08	107.146	
2,300.00	2,279.23	2,579.66	2,574.96	8.18	8.83	163.38	161.58	1,516.79	1,731.09	1,714.28	16.81	103.008	
2,400.00	2,375.73	2,673.52	2,667.21	8.56	9.18	163.38	167.42	1,500.53	1,739.51	1,721.98	17.53	99.244	
2,500.00	2,472.23	2,770.49	2,762.62	8.94	9.54	163.41	172.77	1,484.00	1,748.18	1,729.92	18.26	95.732	
2,600.00	2,568.74	2,863.26	2,853.95	9.32	9.88	163.46	177.22	1,468.37	1,757.02	1,738.03	18.98	92.550	
2,700.00	2,665.24	2,955.75	2,945.01	9.70	10.22	163.47	182.95	1,453.23	1,766.40	1,746.69	19.71	89.625	
2,800.00	2,761.74	3,056.23	3,043.94	10.09	10.59	163.47	189.39	1,436.89	1,775.92	1,755.46	20.46	86.800	
2,900.00	2,858.25	3,151.48	3,137.76	10.47	10.95	163.49	195.04	1,421.40	1,785.41	1,764.21	21.20	84.233	
3,000.00	2,954.75	3,238.31	3,223.39	10.86	11.27	163.52	199.57	1,407.77	1,795.42	1,773.52	21.91	81.961	
3,100.00	3,051.25	3,344.30	3,328.05	11.25	11.66	163.59	204.34	1,391.74	1,805.99	1,783.32	22.68	79.636	
3,200.00	3,147.75	3,454.33	3,436.43	11.64	12.07	163.61	210.85	1,373.94	1,815.54	1,792.08	23.47	77.369	
3,300.00	3,244.26	3,555.31	3,535.84	12.03	12.45	163.61	217.36	1,357.44	1,824.98	1,800.75	24.23	75.329	
3,400.00	3,340.76	3,655.67	3,634.66	12.42	12.82	163.62	223.41	1,340.99	1,834.34	1,809.36	24.99	73.413	
3,500.00	3,437.26	3,745.32	3,722.96	12.82	13.16	163.63	228.90	1,326.48	1,843.92	1,818.21	25.71	71.714	
3,600.00	3,533.77	3,837.03	3,813.30	13.21	13.50	163.62	235.41	1,312.08	1,854.03	1,827.58	26.44	70.110	
3,700.00	3,630.27	3,927.48	3,902.51	13.60	13.84	163.62	241.16	1,298.28	1,864.56	1,837.39	27.17	68.622	
3,800.00	3,726.77	4,033.55	4,007.17	14.00	14.23	163.64	247.53	1,282.31	1,875.26	1,847.31	27.95	67.086	
3,900.00	3,823.28	4,129.98	4,102.23	14.39	14.59	163.63	254.10	1,267.53	1,885.74	1,857.04	28.70	65.699	
4,000.00	3,919.78	4,221.67	4,192.70	14.79	14.93	163.63	259.87	1,253.79	1,896.53	1,867.09	29.43	64.431	
4,100.00	4,016.28	4,304.66	4,274.69	15.18	15.24	163.66	264.57	1,241.88	1,907.93	1,877.79	30.13	63.315	
4,200.00	4,112.78	4,426.52	4,395.11	15.58	15.70	163.69	271.40	1,224.48	1,919.43	1,888.46	30.98	61.967	
4,300.00	4,209.29	4,528.58	4,495.79	15.97	16.08	163.70	277.69	1,208.95	1,929.98	1,898.24	31.75	60.794	
4,400.00	4,305.79	4,606.00	4,572.23	16.37	16.37	163.72	282.07	1,197.51	1,940.98	1,908.55	32.43	59.857	
4,500.00	4,402.29	4,700.00	4,665.20	16.77	16.71	163.77	286.78	1,184.40	1,952.75	1,919.58	33.17	58.877	
4,600.00	4,498.80	4,790.42	4,754.70	17.17	17.05	163.82	290.87	1,172.27	1,965.01	1,931.12	33.89	57.980	
4,700.00	4,595.30	4,878.14	4,841.61	17.56	17.37	163.89	294.33	1,160.88	1,977.69	1,943.08	34.60	57.153	
4,800.00	4,691.80	4,995.85	4,958.19	17.96	17.81	163.96	299.50	1,145.47	1,990.29	1,954.86	35.44	56.167	
4,900.00	4,788.31	5,110.77	5,071.70	18.36	18.24	163.97	306.79	1,129.08	2,001.79	1,965.53	36.26	55.211	
5,000.00	4,884.81	5,196.37	5,156.20	18.76	18.56	163.96	312.73	1,116.76	2,013.23	1,976.27	36.97	54.461	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
5,100.00	4,981.31	5,265.00	5,224.09	19.16	18.81	163.96	317.27	1,107.80	2,025.96	1,988.36	37.60	53.877	
5,200.00	5,077.81	5,330.30	5,288.85	19.55	19.05	163.97	321.08	1,100.33	2,040.26	2,002.04	38.22	53.388	
5,300.00	5,174.32	5,396.12	5,354.28	19.95	19.29	164.01	324.12	1,093.88	2,056.14	2,017.32	38.82	52.969	
5,400.00	5,270.82	5,454.00	5,411.94	20.35	19.50	164.08	325.82	1,089.13	2,073.63	2,034.26	39.37	52.670	
5,500.00	5,367.32	5,512.49	5,470.31	20.75	19.71	164.16	326.90	1,085.49	2,093.02	2,053.12	39.91	52.445	
5,600.00	5,463.83	5,567.40	5,525.17	21.15	19.90	164.24	327.68	1,083.35	2,114.55	2,074.13	40.41	52.323	
5,700.00	5,560.33	5,643.00	5,600.75	21.55	20.17	164.36	328.69	1,081.92	2,137.94	2,096.92	41.02	52.119	
5,800.00	5,656.83	5,703.55	5,661.29	21.95	20.37	164.46	329.42	1,081.59	2,162.58	2,121.05	41.53	52.071	
5,900.00	5,753.34	5,792.07	5,749.81	22.35	20.68	164.61	330.21	1,081.61	2,187.95	2,145.75	42.20	51.848	
6,000.00	5,849.84	5,895.88	5,853.61	22.75	21.03	164.79	330.69	1,081.68	2,213.38	2,170.43	42.96	51.524	
6,100.00	5,946.34	5,996.61	5,954.34	23.15	21.37	164.97	330.88	1,081.35	2,238.44	2,194.74	43.70	51.223	
6,200.00	6,042.85	6,087.28	6,045.01	23.55	21.67	165.13	330.58	1,081.13	2,263.57	2,219.19	44.38	51.010	
6,300.00	6,139.35	6,197.34	6,155.08	23.95	22.04	165.33	330.33	1,080.83	2,288.73	2,243.56	45.17	50.675	
6,400.00	6,235.85	6,311.33	6,269.06	24.35	22.43	165.52	330.54	1,079.59	2,313.09	2,267.10	45.99	50.295	
6,500.00	6,332.35	6,417.51	6,375.21	24.75	22.81	165.65	332.22	1,077.89	2,337.02	2,290.24	46.77	49.965	
6,600.00	6,428.86	6,529.31	6,486.94	25.15	23.20	165.77	334.70	1,075.28	2,360.23	2,312.64	47.59	49.595	
6,700.00	6,525.36	6,622.37	6,579.98	25.55	23.53	165.90	335.44	1,073.04	2,383.37	2,335.08	48.30	49.347	
6,800.00	6,621.86	6,709.10	6,666.68	25.95	23.83	166.03	335.49	1,071.18	2,406.78	2,357.81	48.97	49.149	
6,900.00	6,718.31	6,790.64	6,748.21	26.35	24.11	-162.78	334.96	1,069.96	2,431.33	2,381.73	49.60	49.018	
7,000.00	6,812.98	6,879.30	6,836.86	26.72	24.40	-135.95	333.73	1,069.03	2,457.51	2,407.26	50.25	48.902	
7,100.00	6,903.02	6,970.62	6,928.14	27.06	24.70	-121.09	331.38	1,068.16	2,484.50	2,433.60	50.90	48.813	
7,200.00	6,985.68	7,046.84	7,004.33	27.35	24.95	-112.14	328.92	1,067.59	2,512.13	2,460.70	51.44	48.840	
7,300.00	7,058.46	7,099.46	7,056.92	27.60	25.12	-105.86	327.18	1,067.51	2,540.62	2,488.81	51.81	49.035	
7,400.00	7,119.14	7,146.00	7,103.43	27.80	25.27	-101.09	325.64	1,067.84	2,570.08	2,517.94	52.13	49.299	
7,500.00	7,165.89	7,200.84	7,158.11	27.97	25.45	-97.49	321.68	1,068.65	2,599.99	2,547.50	52.48	49.538	
7,600.00	7,197.27	7,264.78	7,221.21	28.12	25.64	-94.80	311.61	1,070.03	2,629.69	2,576.82	52.87	49.735	
7,700.00	7,212.34	7,344.16	7,297.60	28.27	25.88	-93.06	290.37	1,072.31	2,658.63	2,605.31	53.32	49.862	
7,800.00	7,214.21	7,373.13	7,324.76	28.43	25.95	-92.62	280.34	1,073.46	2,687.54	2,634.08	53.47	50.267	
7,900.00	7,215.05	8,263.70	7,808.68	28.59	27.68	-102.74	-393.28	1,091.09	2,710.65	2,654.27	56.38	48.079	
8,000.00	7,215.88	8,353.88	7,804.59	28.77	27.82	-102.57	-483.35	1,092.71	2,718.71	2,662.02	56.70	47.952	
8,100.00	7,216.72	8,592.27	7,806.10	28.96	28.23	-102.50	-721.65	1,089.54	2,722.04	2,664.58	57.46	47.372	
8,200.00	7,217.56	8,766.22	7,809.47	29.16	28.61	-102.58	-895.26	1,079.23	2,717.39	2,659.23	58.16	46.719	
8,300.00	7,218.40	8,857.00	7,810.48	29.36	28.82	-102.61	-985.81	1,072.95	2,710.37	2,651.73	58.64	46.223	
8,400.00	7,219.24	8,919.13	7,810.39	29.58	28.98	-102.62	-1,047.84	1,069.35	2,704.18	2,645.15	59.03	45.812	
8,500.00	7,220.07	8,978.50	7,810.02	29.81	29.13	-102.61	-1,107.15	1,066.82	2,699.40	2,639.98	59.42	45.428	
8,600.00	7,220.91	9,046.00	7,809.38	30.06	29.32	-102.60	-1,174.63	1,065.22	2,696.25	2,636.39	59.86	45.041	
8,700.00	7,221.75	9,093.23	7,808.90	30.32	29.45	-102.58	-1,221.86	1,064.87	2,694.61	2,634.38	60.23	44.738	
8,746.61	7,222.14	9,120.77	7,808.64	30.45	29.53	-102.57	-1,249.40	1,064.94	2,694.38	2,633.95	60.43	44.586	
8,800.00	7,222.59	9,140.00	7,808.46	30.60	29.58	-102.56	-1,268.62	1,065.10	2,694.58	2,633.98	60.60	44.466	
8,900.00	7,223.42	9,235.00	7,807.65	30.89	29.86	-102.52	-1,363.60	1,067.00	2,695.84	2,634.62	61.22	44.036	
9,000.00	7,224.26	9,292.45	7,807.20	31.19	30.04	-102.50	-1,421.01	1,068.89	2,698.20	2,636.53	61.67	43.754	
9,100.00	7,225.10	9,373.08	7,806.65	31.51	30.30	-102.46	-1,501.58	1,072.18	2,701.51	2,639.26	62.25	43.395	
9,200.00	7,225.94	9,462.67	7,806.10	31.84	30.60	-102.41	-1,591.08	1,076.28	2,705.35	2,642.44	62.91	43.003	
9,300.00	7,226.78	9,559.59	7,805.47	32.19	30.93	-102.36	-1,687.88	1,080.98	2,709.43	2,645.80	63.63	42.578	
9,400.00	7,227.61	9,653.70	7,804.67	32.55	31.27	-102.31	-1,781.87	1,085.62	2,713.58	2,649.21	64.37	42.158	
9,500.00	7,228.45	9,738.72	7,804.08	32.92	31.58	-102.27	-1,866.76	1,090.18	2,718.17	2,653.10	65.06	41.777	
9,600.00	7,229.29	9,865.42	7,802.83	33.30	32.07	-102.19	-1,993.27	1,096.90	2,722.67	2,656.61	66.06	41.214	
9,700.00	7,230.13	10,038.04	7,799.96	33.70	32.78	-102.08	-2,165.78	1,101.99	2,724.32	2,656.91	67.41	40.414	
9,800.00	7,230.96	10,147.35	7,798.12	34.11	33.24	-102.02	-2,275.06	1,104.18	2,725.44	2,657.08	68.36	39.868	
9,900.00	7,231.80	10,248.72	7,796.61	34.52	33.69	-101.96	-2,376.40	1,105.84	2,726.23	2,656.95	69.28	39.351	
10,000.00	7,232.64	10,343.85	7,795.09	34.96	34.12	-101.91	-2,471.50	1,107.54	2,727.15	2,656.98	70.17	38.864	
10,100.00	7,233.48	10,439.31	7,793.62	35.40	34.56	-101.85	-2,566.93	1,109.41	2,728.26	2,657.17	71.09	38.379	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
10,200.00	7,234.32	10,580.95	7,791.12	35.85	35.23	-101.77	-2,708.54	1,111.40	2,728.82	2,656.44	72.37	37.704	
10,300.00	7,235.15	10,701.49	7,789.43	36.31	35.81	-101.72	-2,829.07	1,111.34	2,727.97	2,654.44	73.53	37.101	
10,400.00	7,235.99	10,805.82	7,788.00	36.78	36.33	-101.67	-2,933.38	1,110.91	2,726.79	2,652.21	74.57	36.565	
10,500.00	7,236.83	10,896.98	7,786.63	37.27	36.79	-101.63	-3,024.54	1,110.57	2,725.63	2,650.09	75.53	36.085	
10,600.00	7,237.67	10,999.15	7,785.21	37.76	37.32	-101.59	-3,126.69	1,110.49	2,724.79	2,648.19	76.60	35.573	
10,700.00	7,238.50	11,083.09	7,784.00	38.26	37.76	-101.55	-3,210.62	1,110.42	2,723.95	2,646.42	77.52	35.137	
10,800.00	7,239.34	11,184.30	7,783.04	38.76	38.29	-101.51	-3,311.83	1,110.92	2,723.75	2,645.14	78.61	34.650	
10,900.00	7,240.18	11,299.33	7,782.91	39.28	38.90	-101.49	-3,426.86	1,110.61	2,722.96	2,643.14	79.83	34.110	
11,000.00	7,241.02	11,403.79	7,782.73	39.80	39.47	-101.48	-3,531.32	1,110.00	2,721.86	2,640.89	80.97	33.614	
11,100.00	7,241.86	11,499.32	7,782.67	40.34	40.00	-101.46	-3,626.84	1,109.44	2,720.79	2,638.73	82.05	33.158	
11,200.00	7,242.69	11,619.51	7,782.56	40.87	40.67	-101.44	-3,747.03	1,108.28	2,719.31	2,635.94	83.37	32.619	
11,300.00	7,243.53	11,713.86	7,782.28	41.42	41.20	-101.43	-3,841.38	1,107.12	2,717.57	2,633.11	84.46	32.174	
11,400.00	7,244.37	11,795.53	7,782.21	41.97	41.66	-101.42	-3,923.04	1,106.56	2,716.38	2,630.92	85.46	31.787	
11,500.00	7,245.21	11,882.27	7,782.21	42.53	42.16	-101.40	-4,009.78	1,106.45	2,715.76	2,629.26	86.50	31.395	
11,600.00	7,246.04	11,980.16	7,782.17	43.10	42.73	-101.39	-4,107.67	1,106.67	2,715.49	2,627.83	87.66	30.977	
11,700.00	7,246.88	12,106.80	7,782.11	43.67	43.48	-101.37	-4,234.31	1,106.18	2,714.59	2,625.49	89.10	30.467	
11,800.00	7,247.72	12,200.49	7,781.77	44.25	44.03	-101.35	-4,328.00	1,105.45	2,713.27	2,623.03	90.24	30.067	
11,900.00	7,248.56	12,294.00	7,781.44	44.83	44.59	-101.33	-4,421.50	1,105.26	2,712.50	2,621.11	91.39	29.681	
12,000.00	7,249.39	12,397.49	7,781.11	45.42	45.21	-101.31	-4,524.99	1,104.80	2,711.51	2,618.87	92.64	29.269	
12,100.00	7,250.23	12,500.75	7,780.55	46.01	45.84	-101.28	-4,628.25	1,104.46	2,710.59	2,616.69	93.90	28.867	
12,200.00	7,251.07	12,599.94	7,780.20	46.61	46.45	-101.26	-4,727.43	1,103.90	2,709.48	2,614.35	95.13	28.483	
12,300.00	7,251.91	12,702.12	7,779.88	47.21	47.08	-101.24	-4,829.62	1,103.39	2,708.45	2,612.05	96.39	28.098	
12,391.68	7,252.68	12,789.79	7,779.31	47.77	47.63	-101.22	-4,917.28	1,102.98	2,707.98	2,610.48	97.50	27.775	
12,400.00	7,252.75	12,797.54	7,779.25	47.82	47.67	-101.21	-4,925.03	1,102.96	2,707.65	2,610.06	97.60	27.743	
12,500.00	7,253.58	12,882.91	7,778.44	48.43	48.21	-101.18	-5,010.40	1,102.93	2,708.19	2,609.48	98.71	27.437	
12,600.00	7,254.42	12,960.77	7,777.51	49.05	48.70	-101.14	-5,088.25	1,103.47	2,709.39	2,609.65	99.74	27.164	
12,700.00	7,255.26	13,078.87	7,776.37	49.67	49.45	-101.09	-5,206.34	1,104.83	2,711.15	2,609.96	101.20	26.791	
12,800.00	7,256.10	13,202.46	7,775.08	50.30	50.24	-101.04	-5,329.92	1,104.65	2,711.53	2,608.82	102.71	26.400	
12,900.00	7,256.93	13,285.00	7,774.13	50.93	50.77	-101.00	-5,412.45	1,104.57	2,711.97	2,608.15	103.81	26.123	
13,000.00	7,257.77	13,368.74	7,774.25	51.56	51.31	-100.98	-5,496.19	1,104.82	2,713.03	2,608.09	104.94	25.853	
13,100.00	7,258.61	13,481.14	7,776.12	52.19	52.04	-101.00	-5,608.58	1,104.95	2,714.22	2,607.84	106.38	25.514	
13,200.00	7,259.45	13,579.63	7,777.55	52.83	52.68	-101.01	-5,707.06	1,104.89	2,715.19	2,607.51	107.68	25.216	
13,300.00	7,260.29	13,685.75	7,779.47	53.48	53.37	-101.02	-5,813.15	1,104.59	2,716.01	2,606.94	109.07	24.903	
13,400.00	7,261.12	13,781.54	7,781.45	54.12	54.01	-101.05	-5,908.93	1,104.20	2,716.76	2,606.41	110.35	24.619	
13,500.00	7,261.96	13,877.32	7,783.17	54.77	54.64	-101.06	-6,004.69	1,104.24	2,717.89	2,606.25	111.64	24.346	
13,600.00	7,262.80	14,000.83	7,784.86	55.42	55.46	-101.07	-6,128.19	1,103.51	2,718.27	2,605.05	113.22	24.008	
13,700.00	7,263.64	14,086.07	7,786.27	56.08	56.03	-101.09	-6,213.41	1,102.85	2,718.60	2,604.19	114.41	23.762	
13,800.00	7,264.47	14,169.96	7,788.18	56.74	56.59	-101.11	-6,297.28	1,102.81	2,719.73	2,604.14	115.58	23.530	
13,900.00	7,265.31	14,271.01	7,789.58	57.40	57.27	-101.12	-6,398.32	1,103.10	2,721.02	2,604.07	116.94	23.268	
14,000.00	7,266.15	14,374.09	7,792.60	58.06	57.96	-101.16	-6,501.36	1,103.01	2,722.25	2,603.91	118.34	23.003	
14,100.00	7,266.99	14,473.53	7,795.37	58.73	58.63	-101.19	-6,600.76	1,102.85	2,723.38	2,603.67	119.70	22.751	
14,200.00	7,267.82	14,586.88	7,799.33	59.39	59.41	-101.25	-6,714.04	1,102.42	2,724.45	2,603.22	121.23	22.473	
14,300.00	7,268.66	14,683.52	7,802.34	60.06	60.06	-101.30	-6,810.63	1,101.74	2,725.12	2,602.55	122.57	22.233	
14,400.00	7,269.50	14,775.04	7,804.57	60.74	60.69	-101.33	-6,902.11	1,101.51	2,726.09	2,602.24	123.85	22.010	
14,500.00	7,270.34	14,890.68	7,806.47	61.41	61.48	-101.34	-7,017.74	1,101.34	2,727.03	2,601.63	125.40	21.746	
14,600.00	7,271.18	15,011.53	7,807.98	62.09	62.31	-101.35	-7,138.58	1,100.05	2,726.93	2,599.92	127.01	21.471	
14,624.66	7,271.38	15,030.43	7,808.25	62.25	62.44	-101.35	-7,157.47	1,099.84	2,726.91	2,599.62	127.29	21.423	
14,700.00	7,272.01	15,088.98	7,809.23	62.76	62.84	-101.36	-7,216.01	1,099.39	2,727.15	2,599.00	128.15	21.282	
14,800.00	7,272.85	15,175.00	7,810.95	63.44	63.43	-101.38	-7,302.01	1,099.19	2,728.05	2,598.67	129.38	21.086	
14,900.00	7,273.69	15,252.15	7,812.42	64.13	63.97	-101.40	-7,379.15	1,099.55	2,729.63	2,599.12	130.51	20.916	
15,000.00	7,274.53	15,356.91	7,814.27	64.81	64.69	-101.41	-7,483.89	1,100.49	2,731.61	2,599.65	131.96	20.701	
15,100.00	7,275.36	15,454.47	7,816.04	65.50	65.37	-101.42	-7,581.43	1,101.21	2,733.49	2,600.17	133.32	20.503	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
15,200.00	7,276.20	15,535.04	7,817.47	66.18	65.93	-101.43	-7,661.98	1,102.14	2,735.79	2,601.29	134.49	20.342	
15,300.00	7,277.04	15,679.77	7,820.69	66.87	66.94	-101.46	-7,806.67	1,103.19	2,737.81	2,601.39	136.42	20.069	
15,400.00	7,277.88	15,815.61	7,822.86	67.56	67.89	-101.48	-7,942.49	1,102.09	2,738.13	2,599.91	138.22	19.809	
15,500.00	7,278.72	15,928.83	7,823.10	68.26	68.68	-101.47	-8,055.69	1,100.44	2,737.56	2,597.79	139.76	19.587	
15,600.00	7,279.55	16,023.00	7,823.01	68.95	69.34	-101.45	-8,149.85	1,098.83	2,736.69	2,595.59	141.10	19.395	
15,700.00	7,280.39	16,117.00	7,822.83	69.65	70.00	-101.43	-8,243.84	1,097.62	2,736.20	2,593.76	142.44	19.210	
15,709.18	7,280.47	16,117.00	7,822.83	69.71	70.00	-101.43	-8,243.84	1,097.62	2,736.18	2,593.72	142.47	19.206	
15,800.00	7,281.23	16,207.33	7,822.88	70.34	70.64	-101.42	-8,334.16	1,096.87	2,736.20	2,592.46	143.74	19.036	
15,900.00	7,282.07	16,307.15	7,823.59	71.04	71.34	-101.42	-8,433.98	1,095.92	2,736.22	2,591.07	145.15	18.851	
16,000.00	7,282.91	16,406.28	7,824.58	71.74	72.04	-101.42	-8,533.10	1,094.92	2,736.24	2,589.68	146.56	18.670	
16,100.00	7,283.74	16,492.77	7,825.40	72.44	72.65	-101.42	-8,619.58	1,094.31	2,736.54	2,588.72	147.82	18.512	
16,200.00	7,284.58	16,603.15	7,826.42	73.14	73.43	-101.42	-8,729.96	1,093.68	2,736.99	2,587.63	149.36	18.325	
16,300.00	7,285.42	16,736.87	7,827.33	73.85	74.38	-101.42	-8,863.66	1,091.53	2,736.30	2,585.15	151.15	18.103	
16,400.00	7,286.26	16,829.30	7,827.74	74.55	75.03	-101.41	-8,956.07	1,089.71	2,735.28	2,582.79	152.49	17.937	
16,500.00	7,287.10	16,915.63	7,827.20	75.26	75.65	-101.39	-9,042.39	1,088.65	2,734.76	2,581.01	153.76	17.786	
16,600.00	7,287.93	17,009.43	7,826.43	75.96	76.31	-101.36	-9,136.18	1,087.92	2,734.64	2,579.53	155.11	17.630	
16,700.00	7,288.77	17,110.69	7,825.28	76.67	77.04	-101.31	-9,237.44	1,087.24	2,734.58	2,578.03	156.54	17.469	
16,800.00	7,289.61	17,211.22	7,824.02	77.38	77.75	-101.27	-9,337.95	1,086.52	2,734.45	2,576.48	157.97	17.310	
16,900.00	7,290.45	17,308.48	7,823.90	78.09	78.45	-101.25	-9,435.21	1,085.65	2,734.36	2,575.00	159.36	17.158	
17,000.00	7,291.29	17,420.38	7,823.83	78.80	79.25	-101.23	-9,547.10	1,084.57	2,734.23	2,573.31	160.92	16.991	
17,100.00	7,292.12	17,512.26	7,823.89	79.51	79.91	-101.22	-9,638.97	1,083.42	2,733.84	2,571.58	162.26	16.848	
17,200.00	7,292.96	17,612.90	7,824.76	80.23	80.63	-101.22	-9,739.61	1,082.30	2,733.73	2,570.02	163.71	16.699	
17,300.00	7,293.80	17,720.98	7,825.65	80.94	81.40	-101.22	-9,847.67	1,080.87	2,733.41	2,568.17	165.24	16.542	
17,400.00	7,294.64	17,847.29	7,826.73	81.66	82.31	-101.22	-9,973.95	1,078.19	2,732.28	2,565.31	166.97	16.364	
17,500.00	7,295.48	17,956.14	7,827.56	82.37	83.09	-101.23	-10,082.76	1,075.48	2,730.81	2,562.31	168.50	16.206	
17,600.00	7,296.31	18,063.42	7,828.42	83.09	83.87	-101.24	-10,189.98	1,072.19	2,728.76	2,558.74	170.02	16.049	
17,700.00	7,297.15	18,148.12	7,829.70	83.80	84.48	-101.26	-10,274.63	1,069.65	2,727.09	2,555.77	171.31	15.919	
17,800.00	7,297.99	18,227.82	7,830.57	84.52	85.05	-101.26	-10,354.31	1,067.93	2,726.24	2,553.69	172.54	15.800	
17,900.00	7,298.83	18,317.47	7,831.51	85.24	85.70	-101.27	-10,443.95	1,066.62	2,726.06	2,552.18	173.88	15.678	
18,000.00	7,299.66	18,428.18	7,832.52	85.96	86.50	-101.27	-10,554.64	1,064.87	2,725.74	2,550.29	175.45	15.536	
18,100.00	7,300.50	18,537.51	7,832.77	86.68	87.29	-101.26	-10,663.96	1,062.90	2,725.07	2,548.07	177.00	15.396	
18,200.00	7,301.34	18,639.47	7,831.73	87.40	88.03	-101.22	-10,765.89	1,061.05	2,724.15	2,545.69	178.46	15.265	
18,300.00	7,302.18	18,772.23	7,826.64	88.12	89.00	-101.10	-10,898.52	1,058.72	2,722.78	2,542.56	180.22	15.108	
18,400.00	7,303.01	18,850.00	7,823.76	88.85	89.56	-101.03	-10,976.23	1,057.33	2,721.31	2,539.88	181.42	15.000	
18,500.00	7,303.85	18,955.13	7,821.58	89.57	90.32	-100.97	-11,081.31	1,055.26	2,720.04	2,537.13	182.92	14.870	
18,600.00	7,304.69	19,079.00	7,820.31	90.29	91.22	-100.93	-11,205.13	1,051.71	2,718.09	2,533.49	184.60	14.724	
18,700.00	7,305.53	19,171.34	7,819.28	91.02	91.89	-100.90	-11,297.41	1,048.59	2,715.65	2,529.67	185.98	14.602	
18,800.00	7,306.37	19,242.55	7,818.40	91.74	92.41	-100.87	-11,368.59	1,046.90	2,714.13	2,527.00	187.13	14.504	
18,900.00	7,307.20	19,323.00	7,817.38	92.47	93.00	-100.84	-11,449.03	1,045.71	2,713.50	2,525.14	188.36	14.406	
19,000.00	7,308.04	19,428.21	7,816.01	93.20	93.77	-100.79	-11,554.22	1,044.42	2,713.11	2,523.25	189.87	14.290	
19,100.00	7,308.88	19,523.53	7,814.84	93.92	94.46	-100.75	-11,649.53	1,043.21	2,712.70	2,521.44	191.26	14.183	
19,197.71	7,309.70	19,612.75	7,813.84	94.64	95.11	-100.71	-11,738.74	1,042.29	2,712.56	2,519.97	192.59	14.085	
19,200.00	7,309.72	19,614.96	7,813.81	94.65	95.13	-100.71	-11,740.94	1,042.27	2,712.56	2,519.94	192.62	14.082	
19,300.00	7,310.55	19,709.80	7,812.74	95.38	95.82	-100.67	-11,835.77	1,041.52	2,712.63	2,518.62	194.01	13.982	
19,400.00	7,311.39	19,795.00	7,811.58	96.11	96.45	-100.63	-11,920.97	1,041.25	2,713.13	2,517.84	195.29	13.893	
19,500.00	7,312.23	19,890.00	7,810.48	96.84	97.14	-100.58	-12,015.96	1,041.27	2,714.01	2,517.32	196.69	13.799	
19,600.00	7,313.07	19,976.04	7,809.75	97.57	97.77	-100.55	-12,101.99	1,041.52	2,715.21	2,517.23	197.97	13.715	
19,700.00	7,313.90	20,073.71	7,808.91	98.30	98.49	-100.51	-12,199.66	1,042.11	2,716.71	2,517.31	199.40	13.624	
19,800.00	7,314.74	20,189.75	7,807.66	99.03	99.34	-100.45	-12,315.70	1,042.48	2,717.90	2,516.85	201.05	13.518	
19,900.00	7,315.58	20,287.36	7,807.68	99.76	100.06	-100.43	-12,413.30	1,042.37	2,718.86	2,516.38	202.49	13.427	
20,000.00	7,316.42	20,377.83	7,807.90	100.49	100.73	-100.42	-12,503.77	1,042.40	2,720.02	2,516.18	203.84	13.344	
20,100.00	7,317.25	20,458.33	7,807.95	101.23	101.32	-100.40	-12,584.27	1,042.96	2,721.77	2,516.71	205.06	13.273	

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 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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
20,200.00	7,318.09	20,574.42	7,808.61	101.96	102.17	-100.38	-12,700.36	1,043.70	2,723.58	2,516.84	206.73	13.174	
20,300.00	7,318.93	20,682.37	7,809.64	102.69	102.97	-100.38	-12,808.30	1,043.70	2,724.82	2,516.52	208.30	13.081	
20,400.00	7,319.77	20,790.72	7,809.85	103.43	103.77	-100.36	-12,916.65	1,043.81	2,726.03	2,516.16	209.88	12.989	
20,500.00	7,320.61	20,900.91	7,809.74	104.16	104.58	-100.34	-13,026.83	1,043.31	2,726.64	2,515.17	211.46	12.894	
20,600.00	7,321.44	21,030.25	7,809.42	104.89	105.53	-100.31	-13,156.17	1,042.07	2,726.75	2,513.49	213.27	12.786	
20,690.54	7,322.20	21,105.86	7,808.62	105.56	106.09	-100.28	-13,231.77	1,041.24	2,726.57	2,512.14	214.43	12.716	
20,700.00	7,322.28	21,115.00	7,808.47	105.63	106.15	-100.27	-13,240.91	1,041.17	2,726.57	2,512.01	214.56	12.708	
20,800.00	7,323.12	21,209.00	7,806.80	106.37	106.85	-100.22	-13,334.89	1,040.62	2,726.75	2,510.80	215.95	12.627	
20,900.00	7,323.96	21,320.68	7,804.73	107.10	107.67	-100.16	-13,446.55	1,039.72	2,726.69	2,509.15	217.54	12.534	
20,930.12	7,324.21	21,345.52	7,804.29	107.32	107.86	-100.14	-13,471.39	1,039.50	2,726.67	2,508.74	217.93	12.512	
21,000.00	7,324.79	21,404.34	7,803.28	107.84	108.29	-100.11	-13,530.20	1,039.17	2,726.82	2,508.00	218.82	12.461	
21,100.00	7,325.63	21,507.70	7,801.29	108.57	109.06	-100.05	-13,633.53	1,038.79	2,727.20	2,506.88	220.32	12.378	
21,200.00	7,326.47	21,609.74	7,798.92	109.31	109.81	-99.98	-13,735.54	1,038.16	2,727.26	2,505.46	221.80	12.296	
21,300.00	7,327.31	21,680.00	7,797.74	110.05	110.33	-99.94	-13,805.80	1,038.13	2,728.02	2,505.11	222.91	12.238	
21,400.00	7,328.14	21,795.69	7,796.77	110.79	111.19	-99.89	-13,921.48	1,038.23	2,729.04	2,504.46	224.58	12.152	
21,500.00	7,328.98	21,915.89	7,796.42	111.52	112.08	-99.86	-14,041.68	1,037.46	2,729.45	2,503.16	226.29	12.062	
21,600.00	7,329.82	22,021.72	7,795.86	112.26	112.86	-99.83	-14,147.49	1,036.12	2,729.18	2,501.36	227.82	11.979	
21,653.72	7,330.27	22,069.32	7,795.83	112.66	113.21	-99.82	-14,195.10	1,035.53	2,729.11	2,500.56	228.55	11.941	
21,700.00	7,330.66	22,105.34	7,795.80	113.00	113.48	-99.82	-14,231.11	1,035.21	2,729.19	2,500.08	229.11	11.912	
21,800.00	7,331.50	22,197.82	7,795.53	113.74	114.17	-99.79	-14,323.59	1,034.88	2,729.86	2,499.37	230.50	11.843	
21,900.00	7,332.33	22,287.28	7,795.38	114.48	114.83	-99.77	-14,413.04	1,034.50	2,730.53	2,498.68	231.85	11.777	
22,000.00	7,333.17	22,370.26	7,795.91	115.22	115.45	-99.76	-14,496.03	1,034.76	2,732.00	2,498.88	233.12	11.719	
22,100.00	7,334.01	22,464.60	7,795.98	115.96	116.15	-99.74	-14,590.37	1,035.32	2,733.69	2,499.17	234.52	11.656	
22,200.00	7,334.85	22,581.09	7,796.56	116.70	117.01	-99.72	-14,706.85	1,036.10	2,735.56	2,499.35	236.22	11.581	
22,300.00	7,335.68	22,680.95	7,796.79	117.44	117.75	-99.71	-14,806.71	1,036.12	2,736.71	2,499.01	237.70	11.513	
22,400.00	7,336.52	22,790.92	7,796.45	118.18	118.57	-99.68	-14,916.68	1,036.21	2,737.83	2,498.53	239.30	11.441	
22,500.00	7,337.36	22,901.12	7,796.40	118.92	119.39	-99.65	-15,026.88	1,035.78	2,738.51	2,497.61	240.90	11.368	
22,600.00	7,338.20	23,013.67	7,796.30	119.66	120.23	-99.63	-15,139.43	1,034.98	2,738.89	2,496.36	242.53	11.293	
22,700.00	7,339.03	23,128.09	7,795.75	120.41	121.08	-99.60	-15,253.83	1,033.56	2,738.67	2,494.50	244.17	11.216	
22,780.26	7,339.71	23,196.00	7,794.71	121.00	121.58	-99.57	-15,321.73	1,032.61	2,738.28	2,493.07	245.21	11.167	
22,800.00	7,339.87	23,196.00	7,794.71	121.15	121.58	-99.57	-15,321.73	1,032.61	2,738.35	2,493.08	245.27	11.164	
22,815.35	7,340.00	23,196.00	7,794.71	121.26	121.58	-99.57	-15,321.73	1,032.61	2,738.50	2,493.19	245.31	11.163	SF

Total Directional

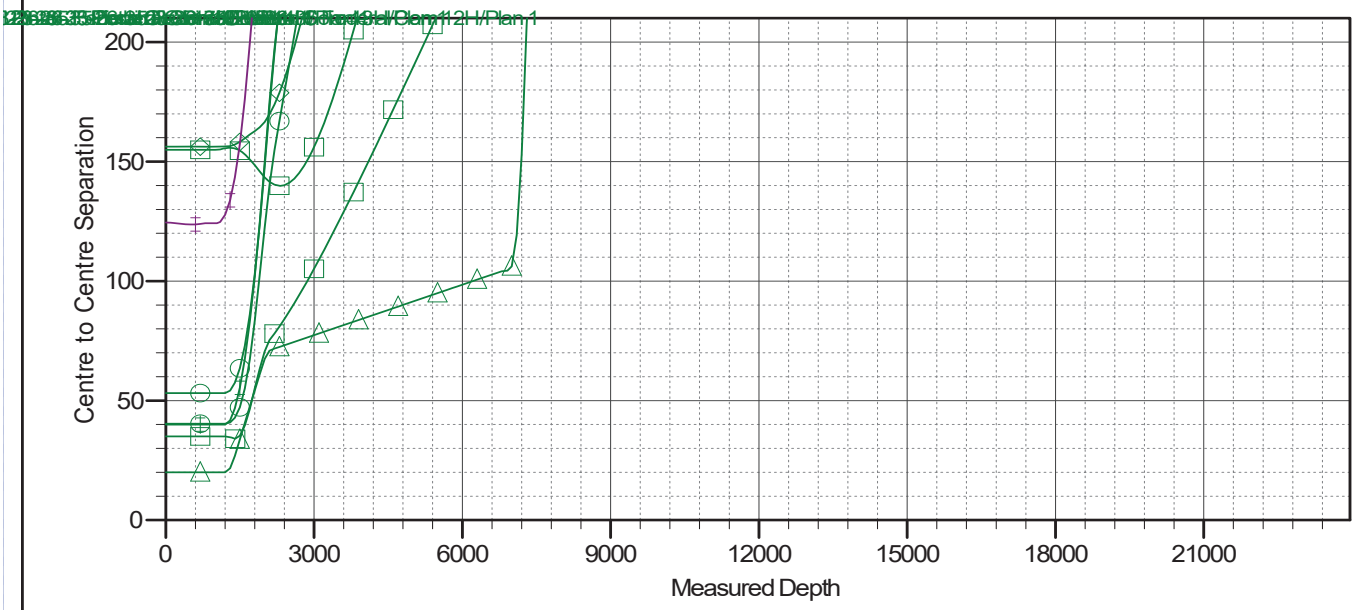
Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 3300.4' GL + 23 @ 3323.40usft (Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.3333333

Coordinates are relative to: Pintail 23-26-35 Federal Com 11H
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
- 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 17H, OH, Plan 1 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 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

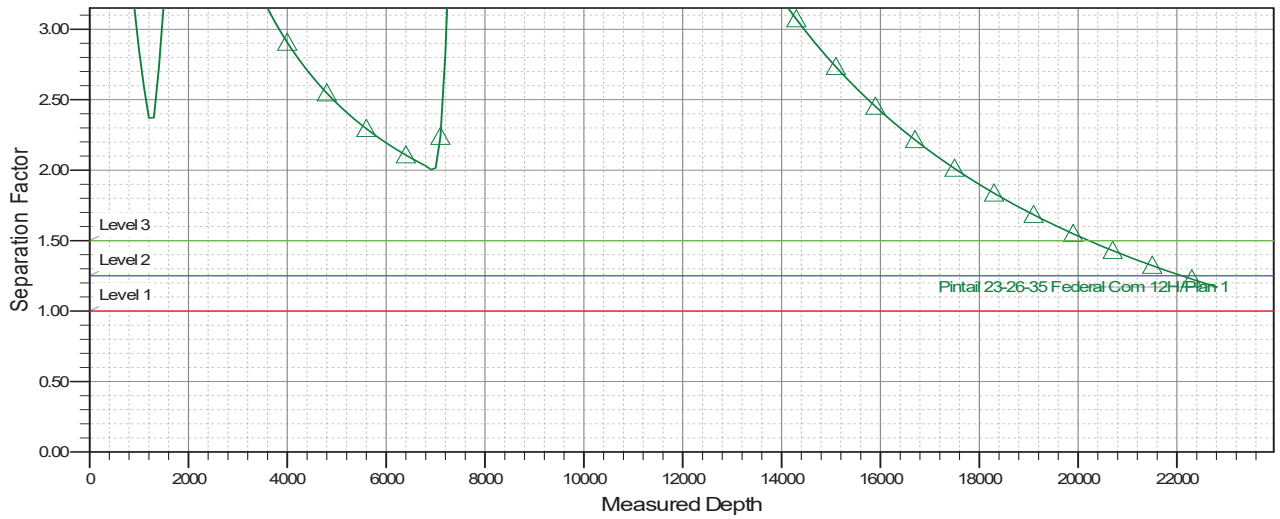
Anticollision Report

Company:	Coterra Energy	**Local Co-ordinate Reference:**	Well Pintail 23-26-35 Federal Com 11H
Project:	Eddy County, NM (NAD 83)	**TVD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Reference Site:	Pintail 23-26-35 Federal Com	**MD Reference:**	3300.4' GL + 23 @ 3323.40usft (Rig)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Pintail 23-26-35 Federal Com 11H	**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 3300.4' GL + 23 @ 3323.40usft (Rig)
Offset Depths are relative to Offset Datum
Central Meridian is -104.3333333

Coordinates are relative to: Pintail 23-26-35 Federal Com 11H
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
- 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 17H, OH, Plan 1 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 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 7,340
MD at TD 22,815

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	1083	N/A	
Base of Salt	1674	N/A	
Base Anhydrate	1886	N/A	
Bell Lamar	1900	N/A	
Bell Canyon	2023	N/A	
Cherry Canyon	2699	N/A	
Brushy Canyon	3810	N/A	
Leonard	5643	N/A	
Bone Spring Lime	5693	N/A	
1st Bone Spring Sand	6378	N/A	
2nd Bone Spring Shale	6549	N/A	
2nd Bone Spring Sand	6914	Hydrocarbons	
2nd Bone Spring Sand -Target	7215	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	1950	1900	9-5/8"	36.00	J-55	LT&C	2.04	3.56	6.62
7 7/8	0	6818	6818	5-1/2"						
7 7/8	6818	22815	7340	5-1/2"	20.00	P-110	BT&C	3.06	3.41	61.40
					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	358	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	493	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 22815'	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	3625 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.

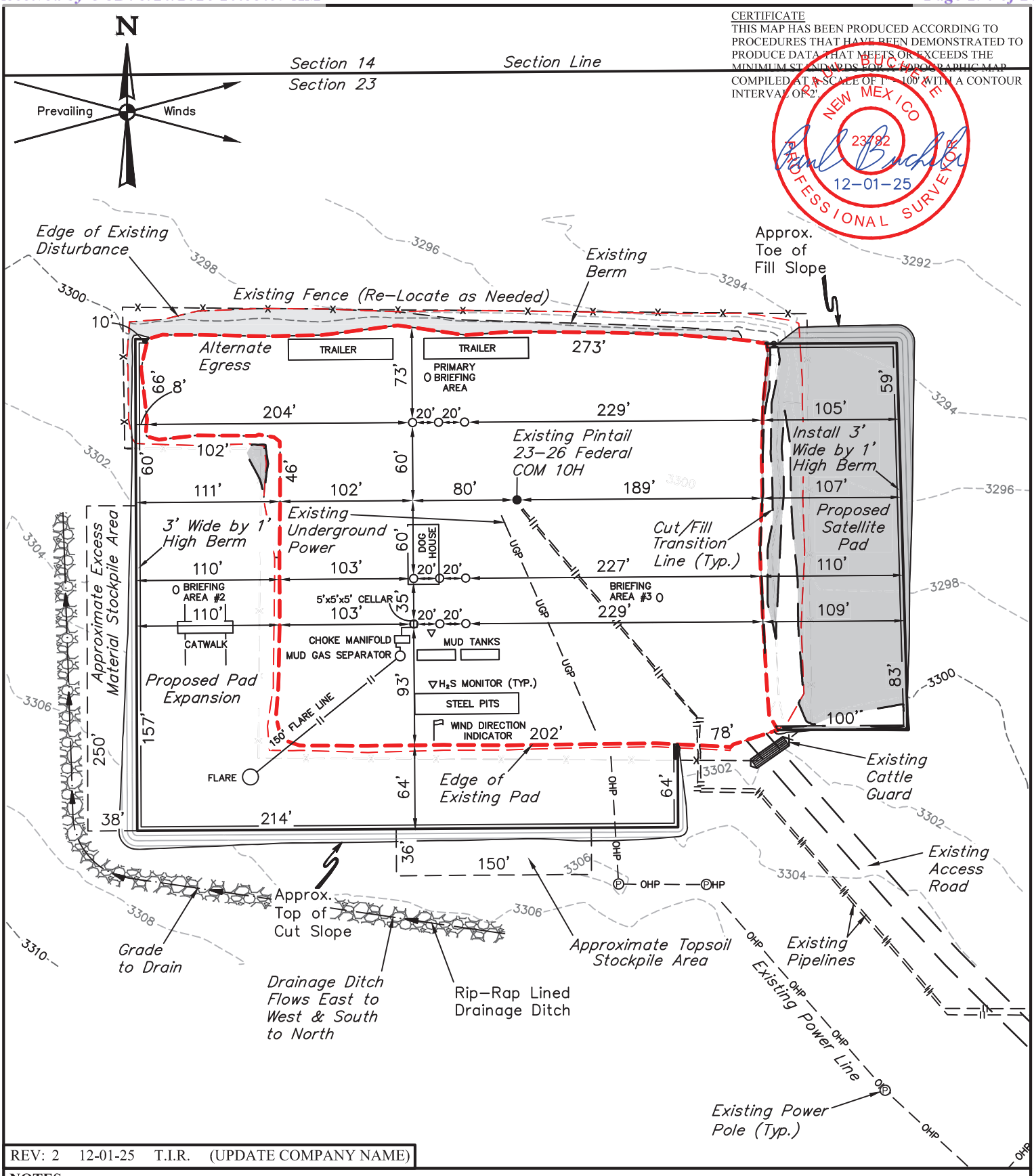
4. All casing strings will be tested per Onshore Order #2, to 0.22 psi/ft or 1,500 psi, whichever is greater, not to exceed 70% of casing burst.

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 11H		Sec 23 T25S, R26E	424 FNL/1899 FWL	1567	5149	3650

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 11H		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

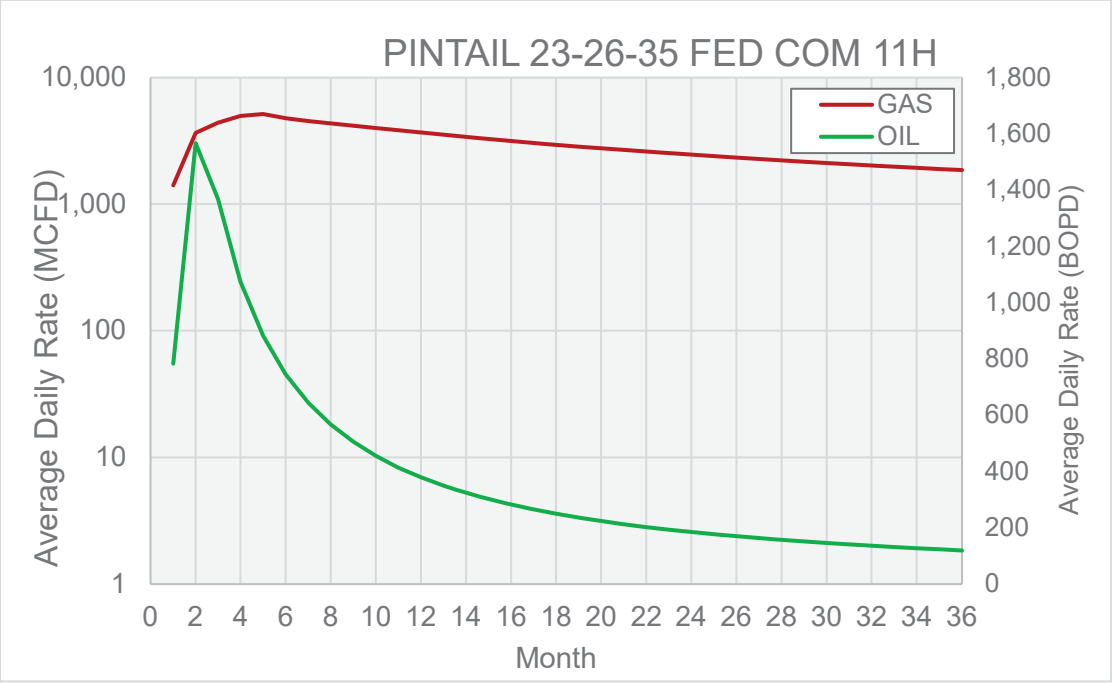
VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

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 11H	PINTAIL 23-26-35 FED COM 11H
GAS MCFD	OIL BOPD
1,404	783
3,653	1,567
4,390	1,367
4,968	1,074
5,149	881
4,772	745
4,517	644
4,344	567
4,171	505
3,990	455
3,824	413
3,669	379
3,520	349
3,376	323
3,253	301
3,148	282
3,043	265
2,937	249
2,843	236
2,760	223
2,679	212
2,598	202
2,525	193
2,458	184
2,393	176
2,327	169
2,267	163
2,212	156
2,161	151
2,113	145
2,066	140
2,018	136
1,974	131
1,932	127
1,893	123
1,856	119

GAS OIL


PINTAIL 23-26-35 FED COM 11H
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

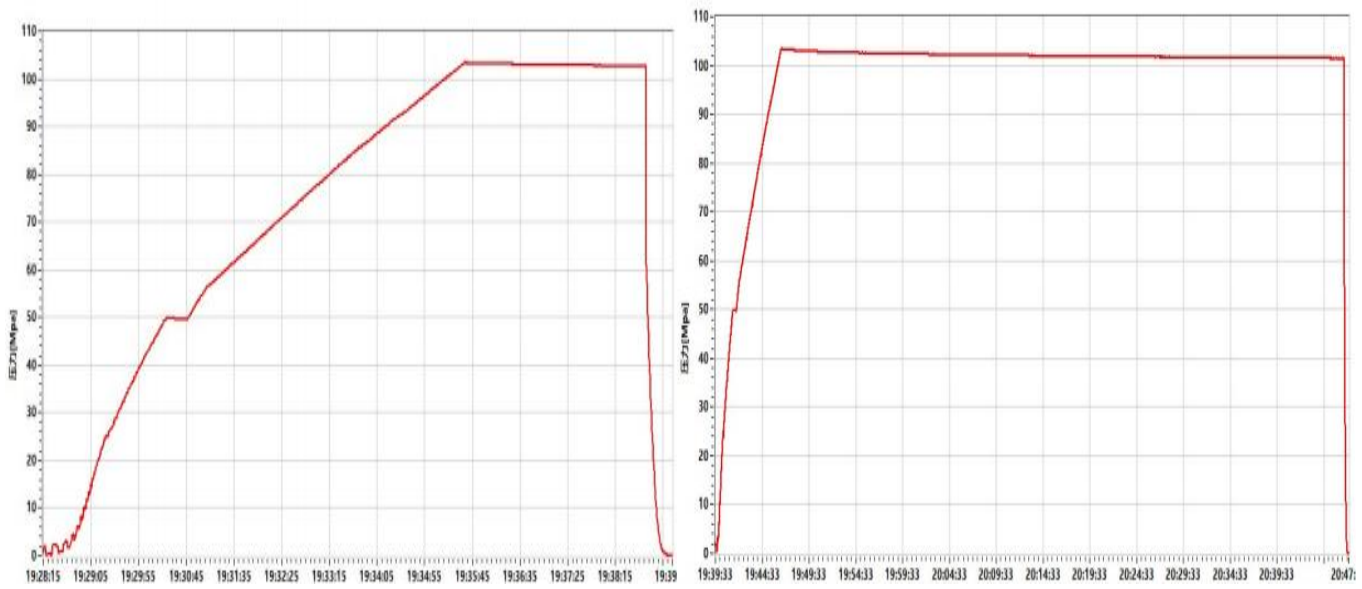
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD LETONE

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

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: 10400109453
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 11H
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:** 11H

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_20260116115423.pdf
PINTAIL_23_26_35_FED_COM_powerline_row_plat_20260303182936.pdf
PINTAIL_23_26_35_FED_COM_bulk_line_row_plat_20260303182936.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:** 11H

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:** 11H

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:** 11H

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:** 11H

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:** 11H

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:** 11H

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:** 11H

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:** 11H

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

PINTAIL_23_35_FEDERAL_COM_E2W2_PAD_Plats_20260303183323.pdf

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)

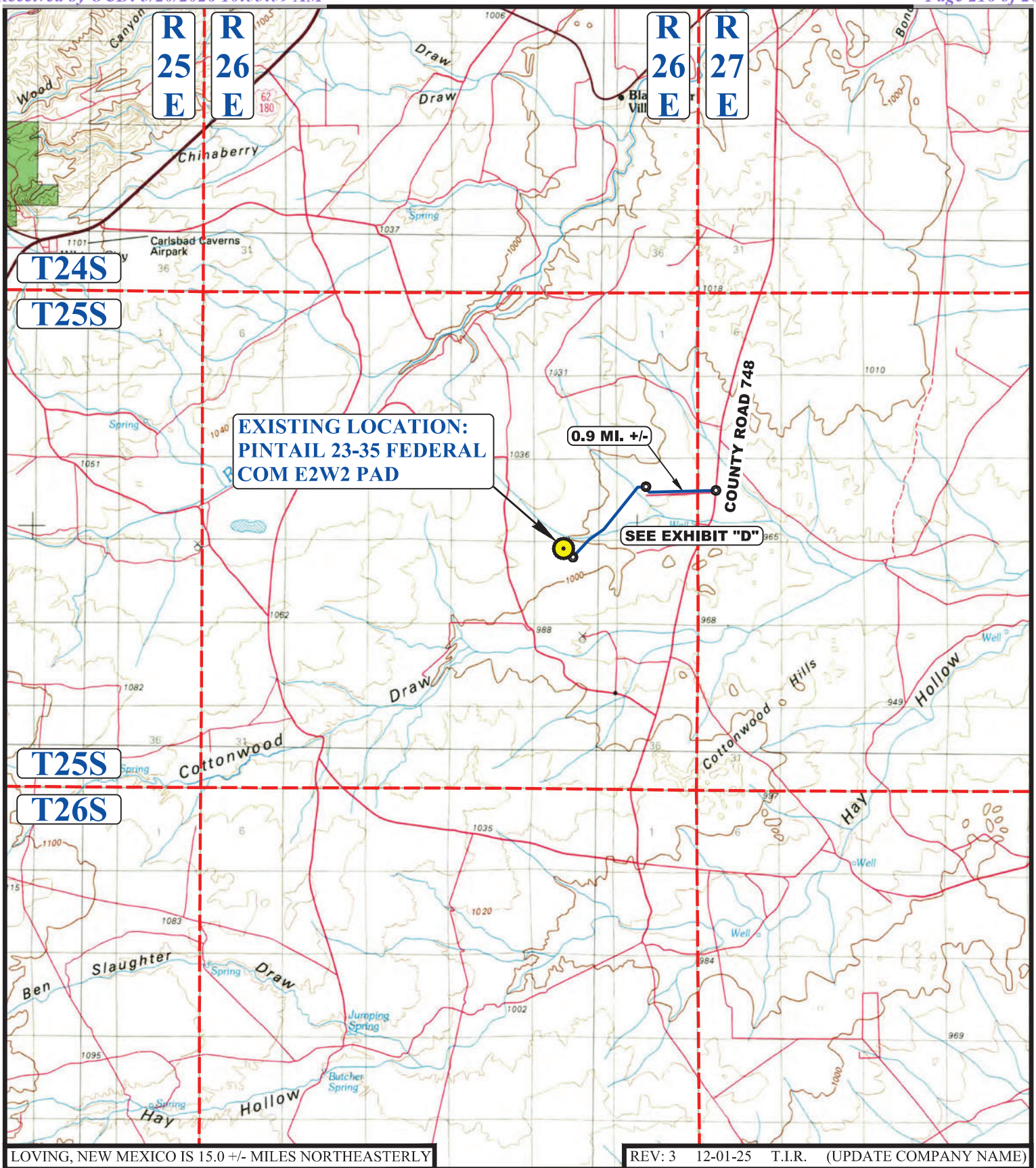
CIMAREX ENERGY CO. OF COLORADO

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

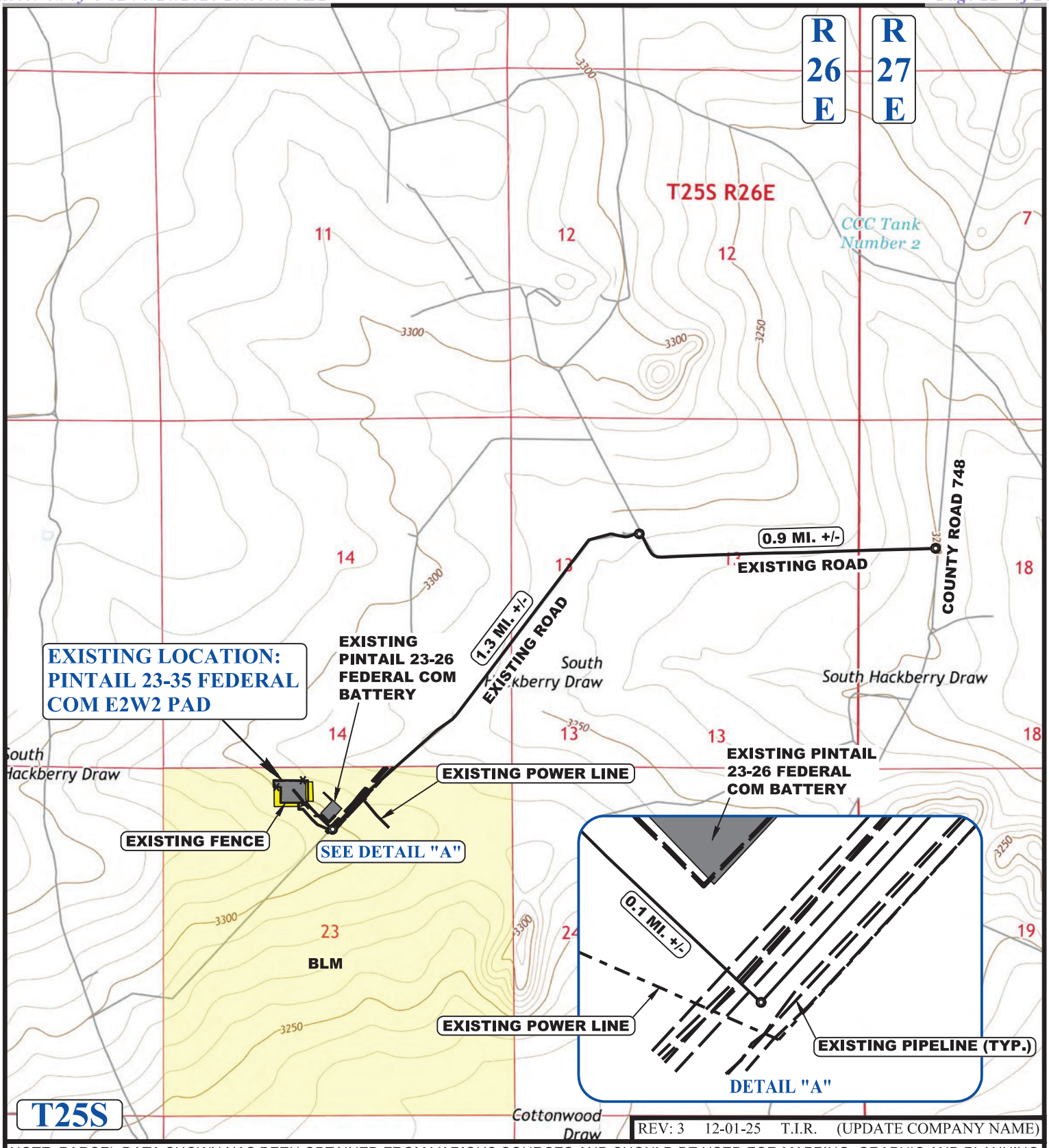
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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**

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

UINTAH ENGINEERING & LAND SURVEYING



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

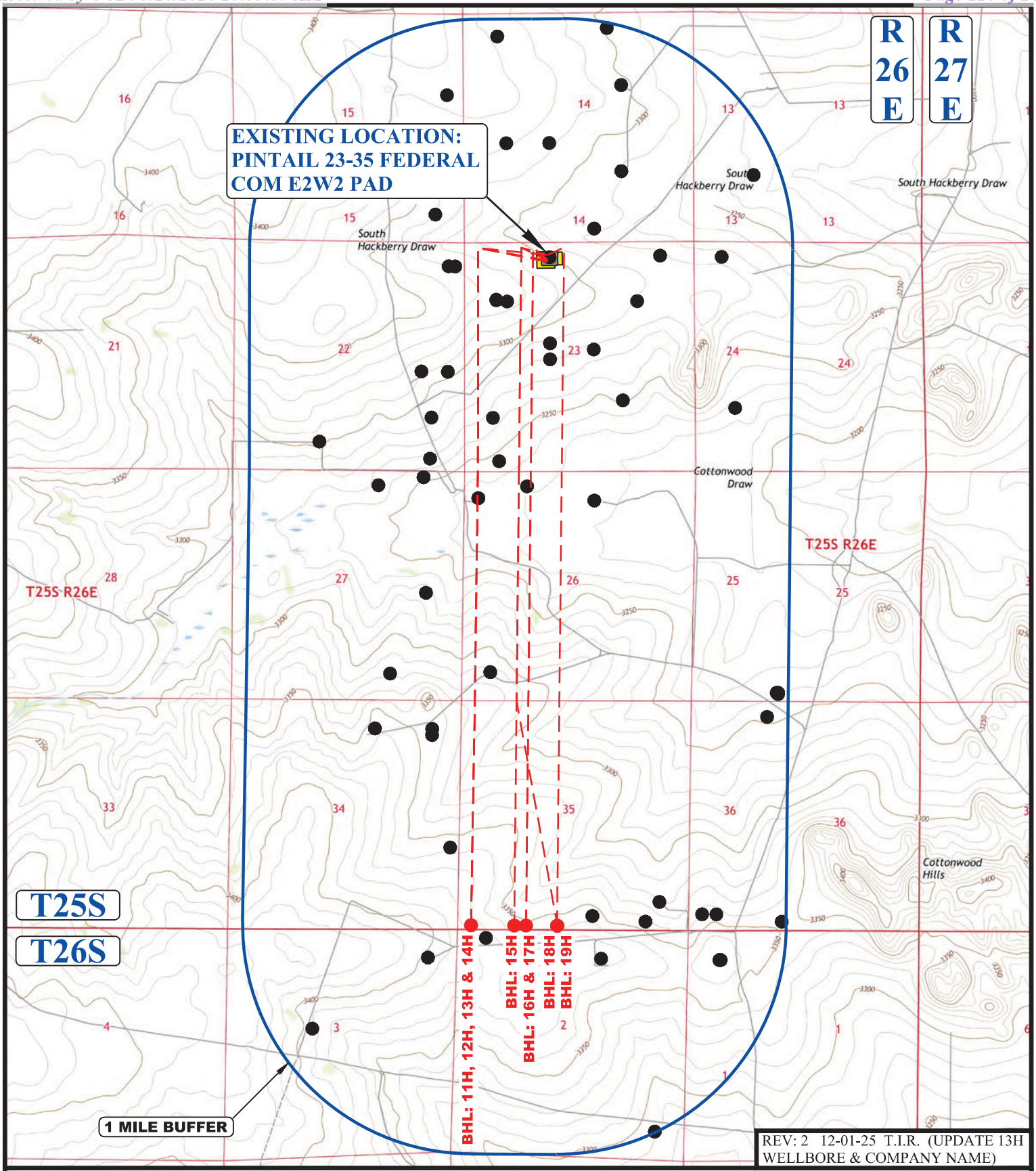
CIMAREX ENERGY CO. OF COLORADO

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

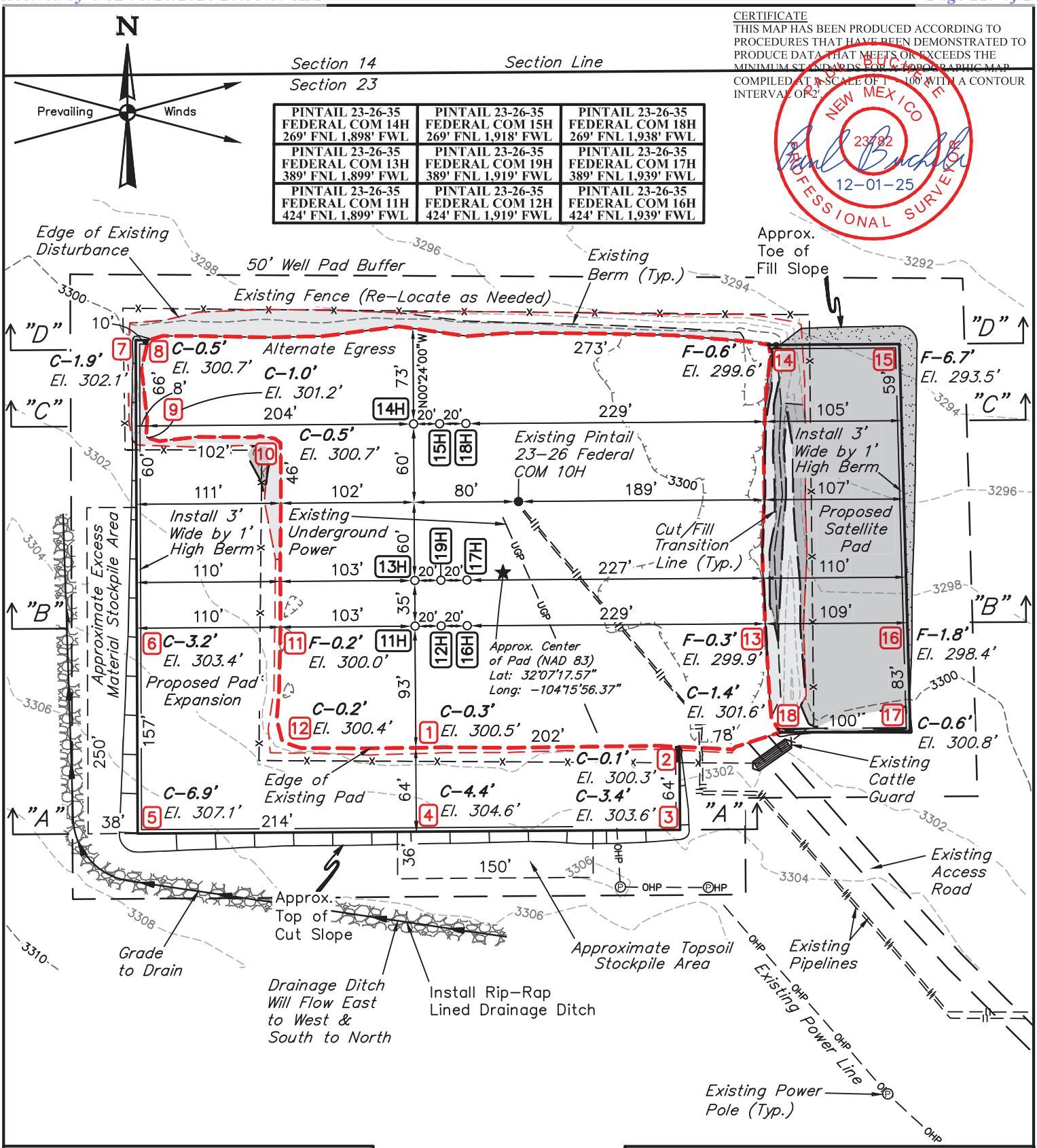
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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:

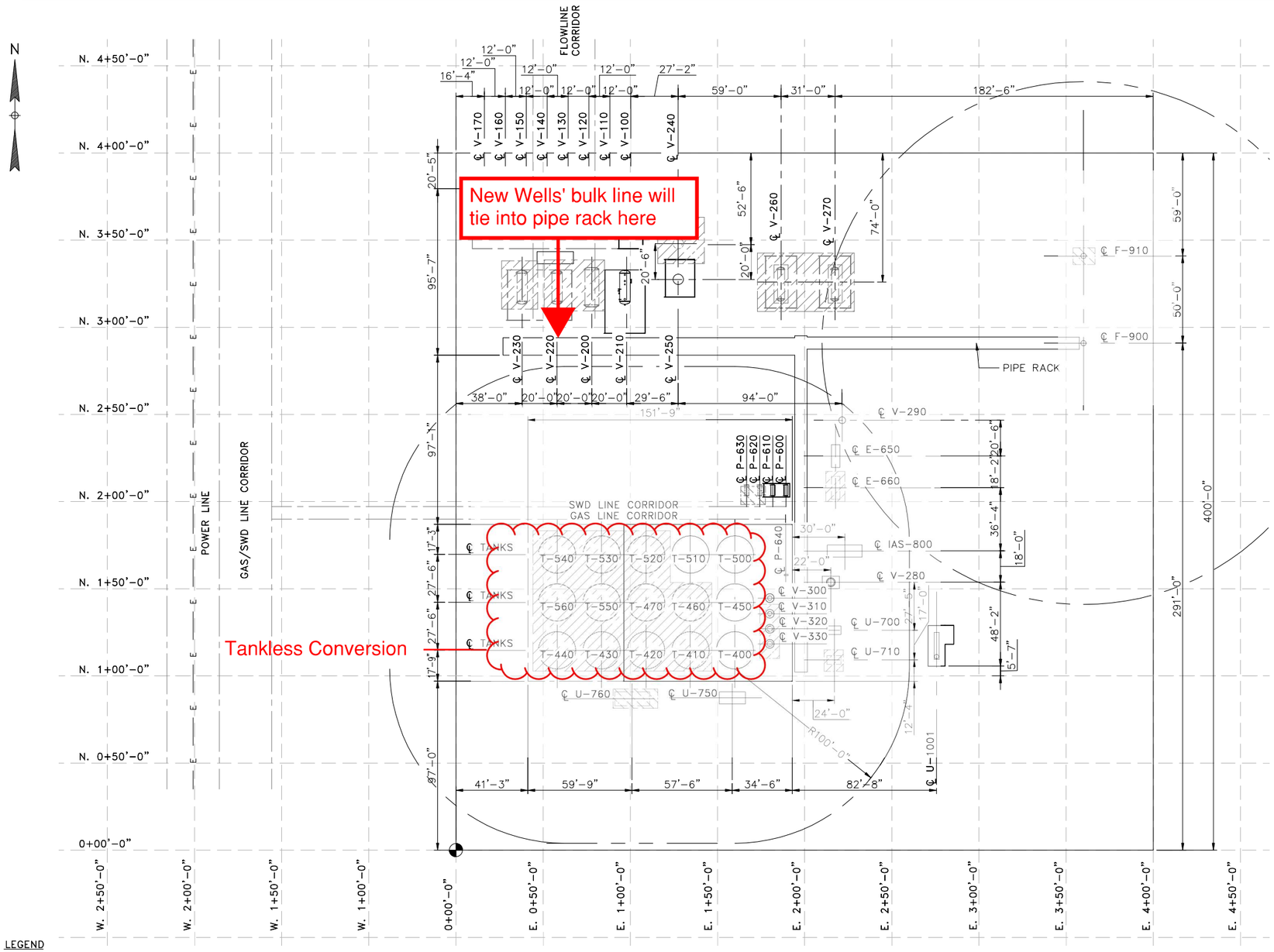
- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.
- Cut/Fill slopes 2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Basis of Bearings 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	

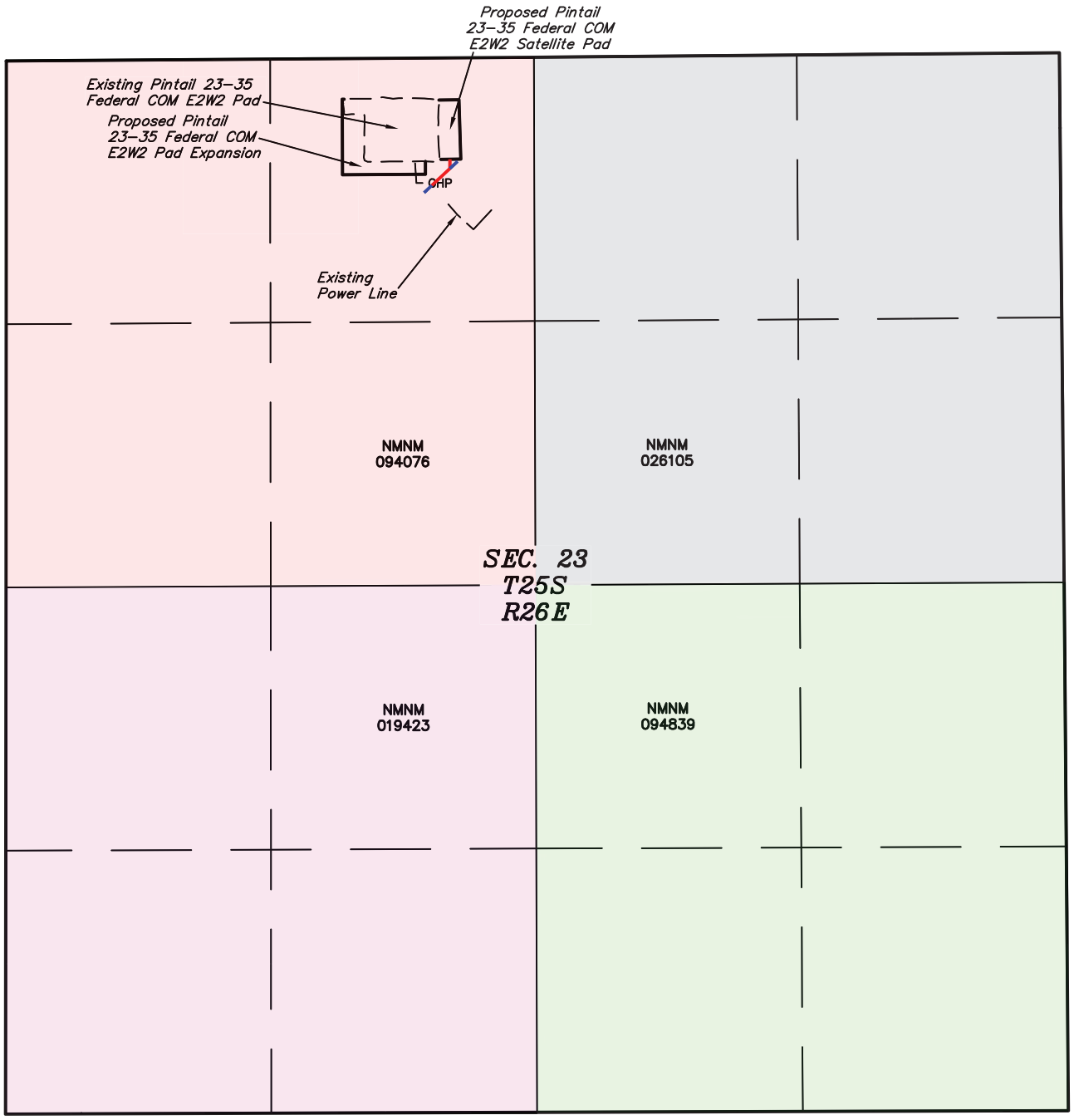
CIMAREX

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

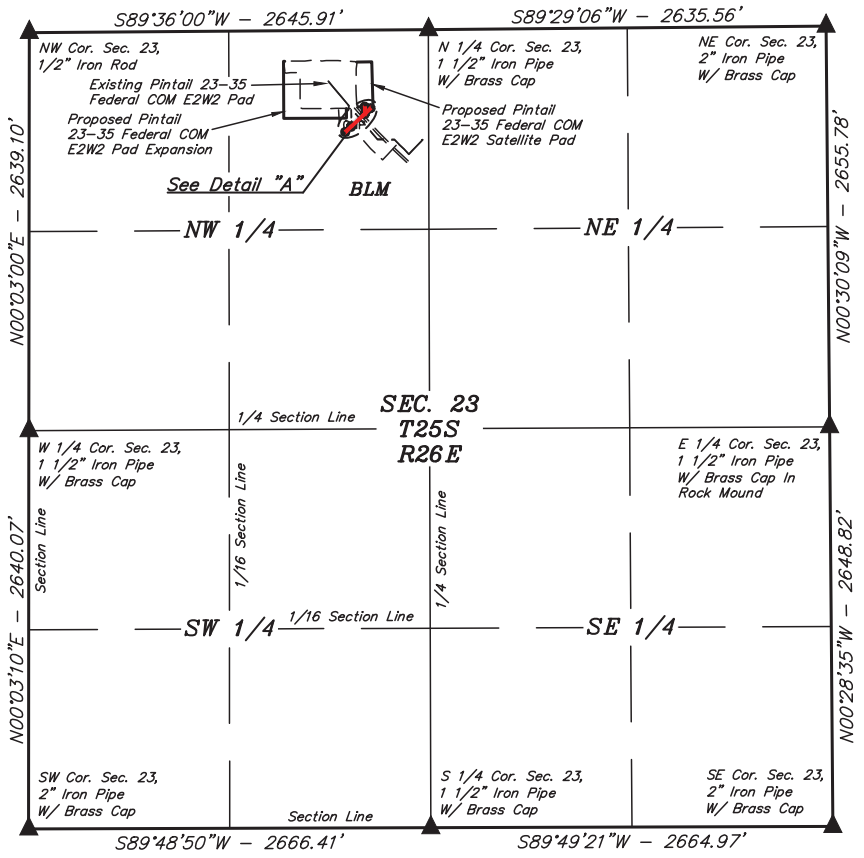
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

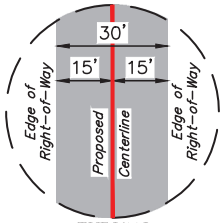
SURVEYED BY	C.S., G.M.	10-08-25	SCALE
DRAWN BY	L.T.T.	10-23-25	N/A

OVERALL POWER LINE R-O-W

UINTAH ENGINEERING & LAND SURVEYING

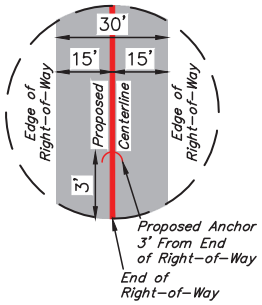
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



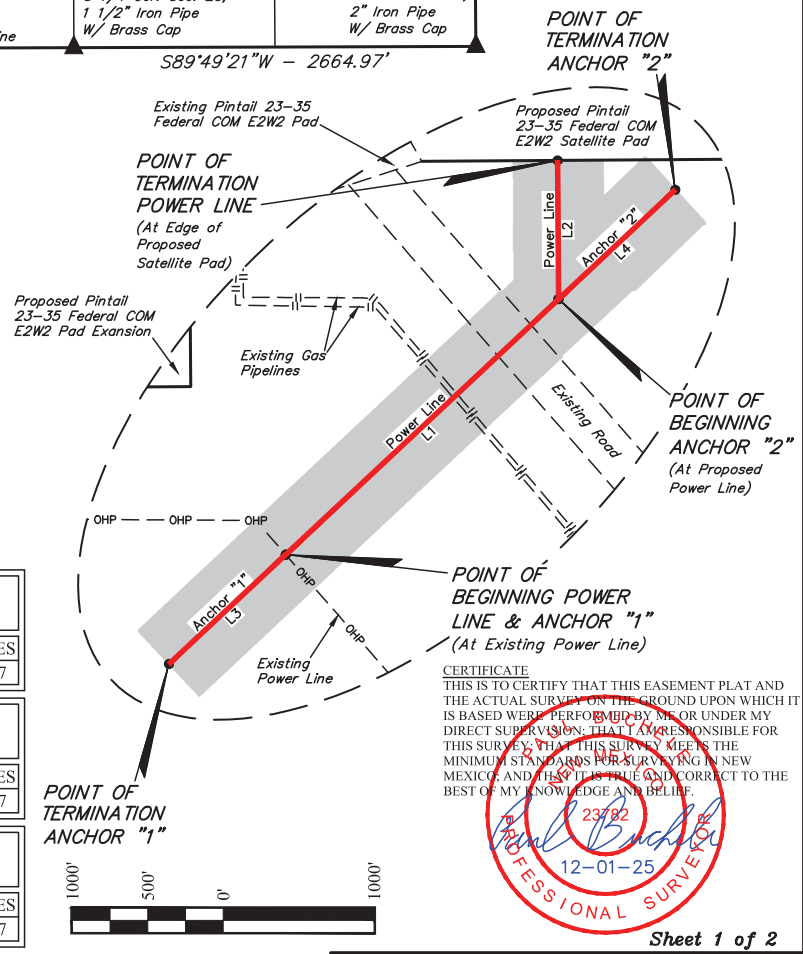


TYPICAL RIGHT-OF-WAY DETAIL FOR L1 & L2
NO SCALE

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



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.

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)

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

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		
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

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:

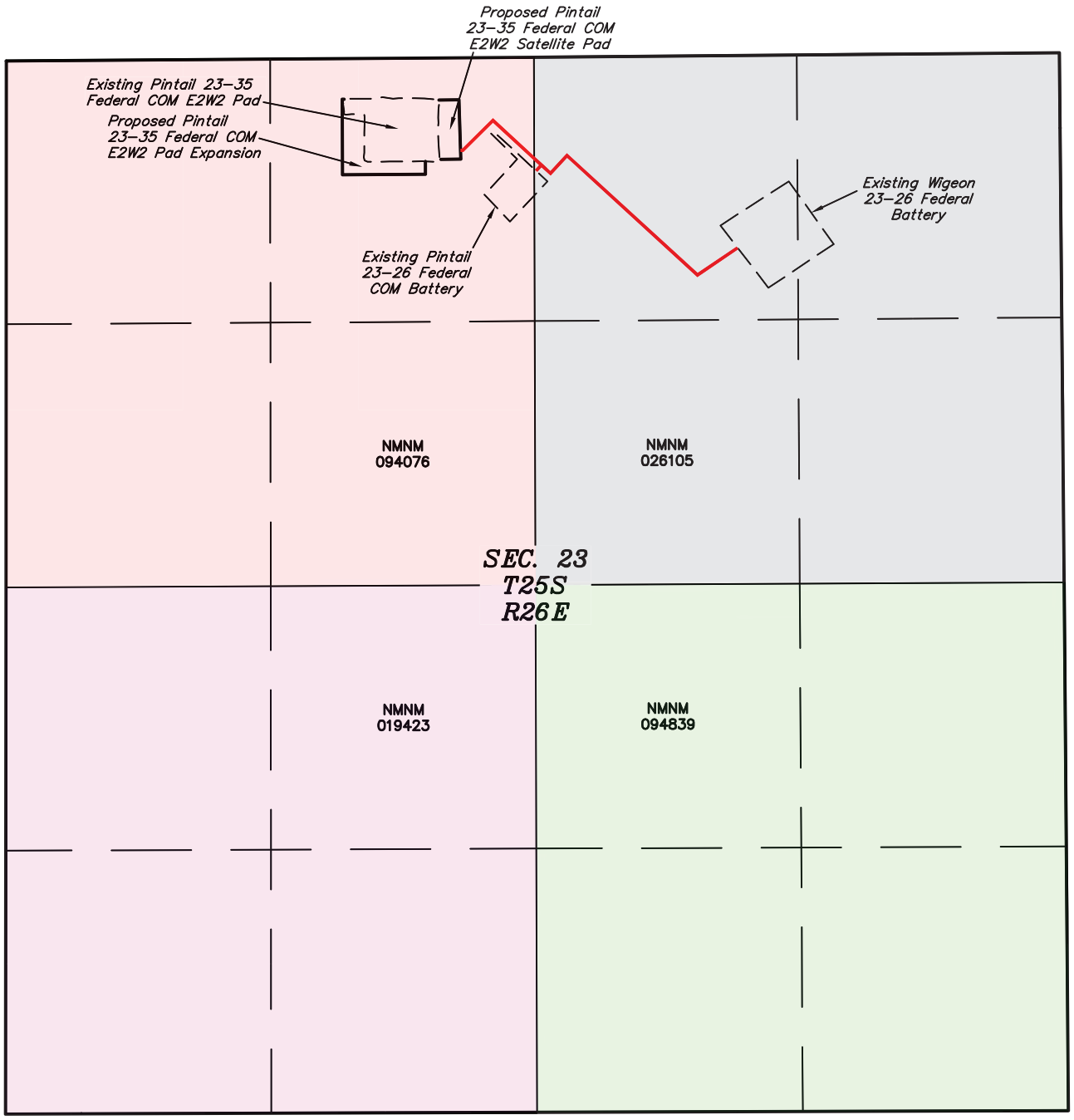
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)

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

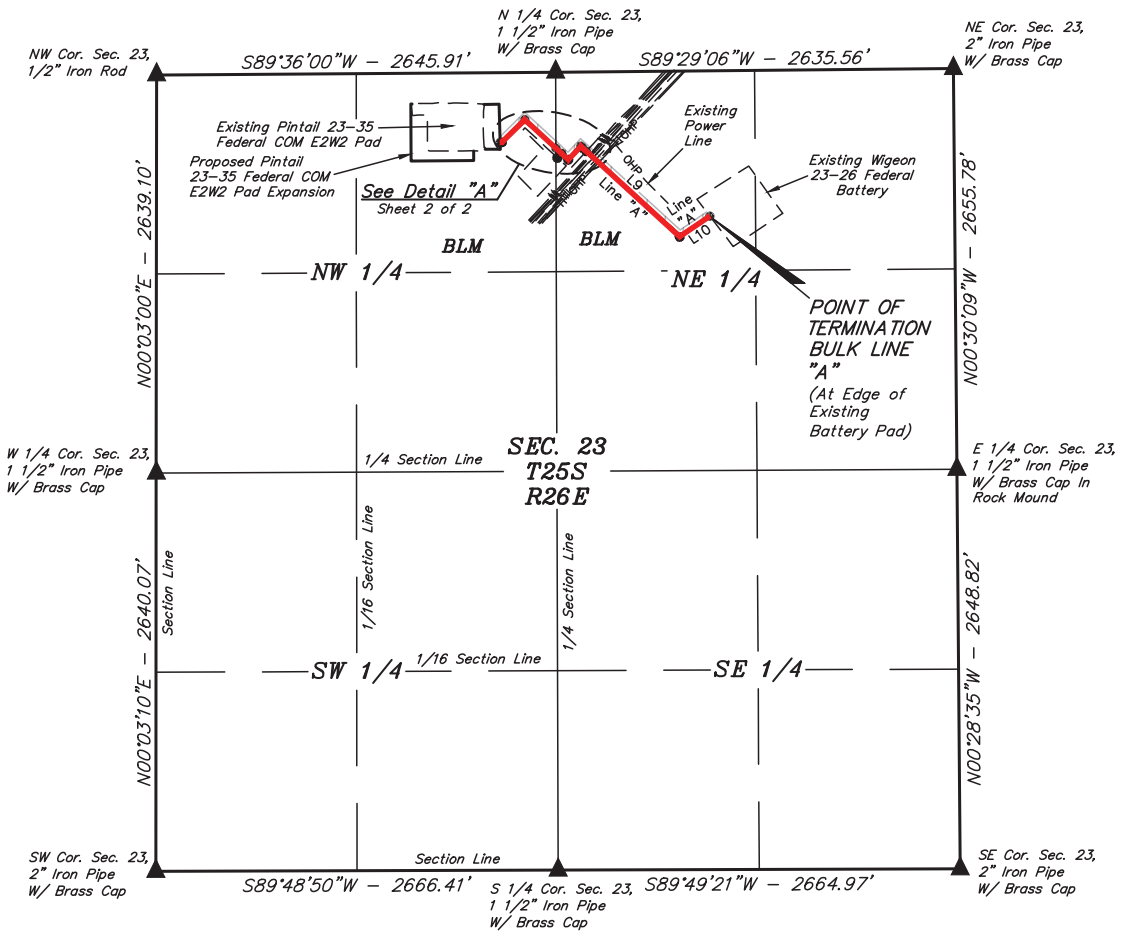
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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

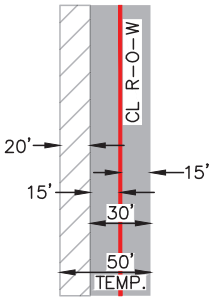
OVERALL BULK LINE R-O-W

UINTAH ENGINEERING & LAND SURVEYING

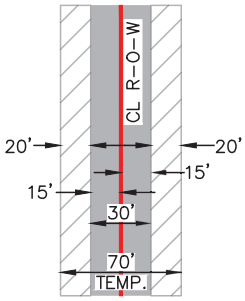
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



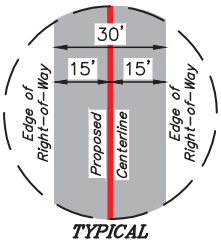
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N88°22'01"E	10.98'
L2	N45°23'09"E	213.71'
L3	S47°21'14"E	281.18'
L4	S47°21'14"E	49.49'
L5	S47°21'14"E	61.45'
L6	N42°44'52"E	122.20'
L7	S47°30'37"E	15.00'
L8	S47°30'37"E	35.00'
L9	S47°30'37"E	838.17'
L10	N55°50'37"E	242.04'
L11	S42°55'09"W	39.71'



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

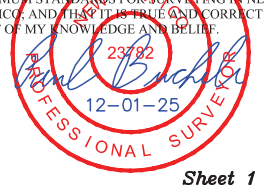
ACREAGE / LENGTH TABLE BULK LINE "A"				
LOCATION	FEET	RODS	ACRES	TEMP. ACRES
SEC. 23 (NW 1/4)	505.87	30.66	0.348	0.232
SEC. 23 (NE 1/4)	1,363.35	82.63	0.939	0.642
TOTAL	1,869.22	113.29	1.287	0.874

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

▲ = 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 & 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

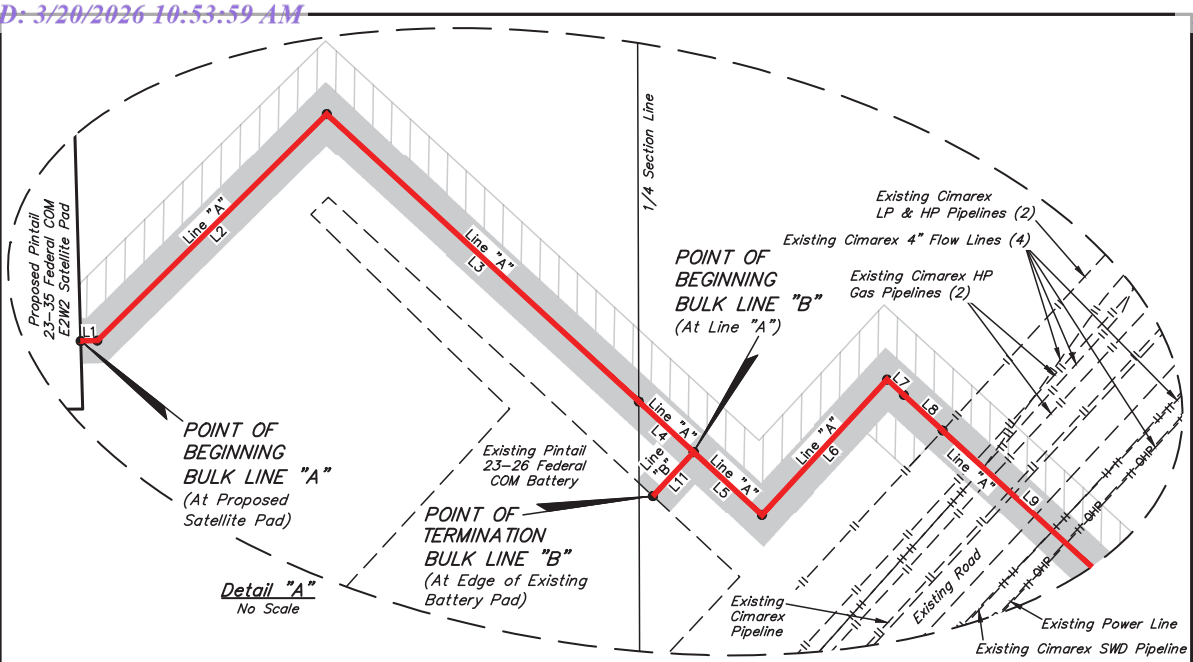
CIMAREX ENERGY CO. OF COLORADO

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.

N

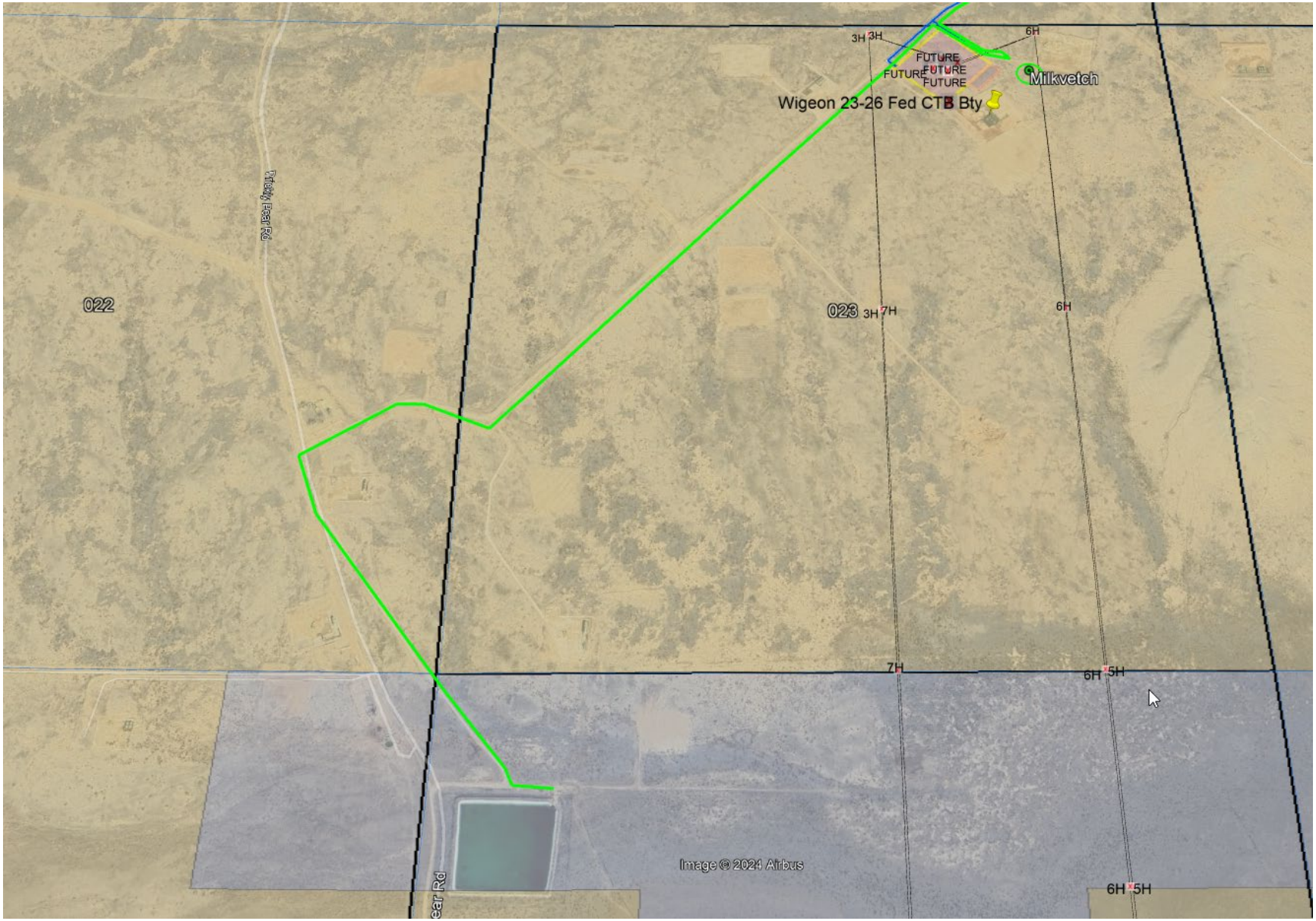
CIMAREX ENERGY CO. OF COLORADO

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	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
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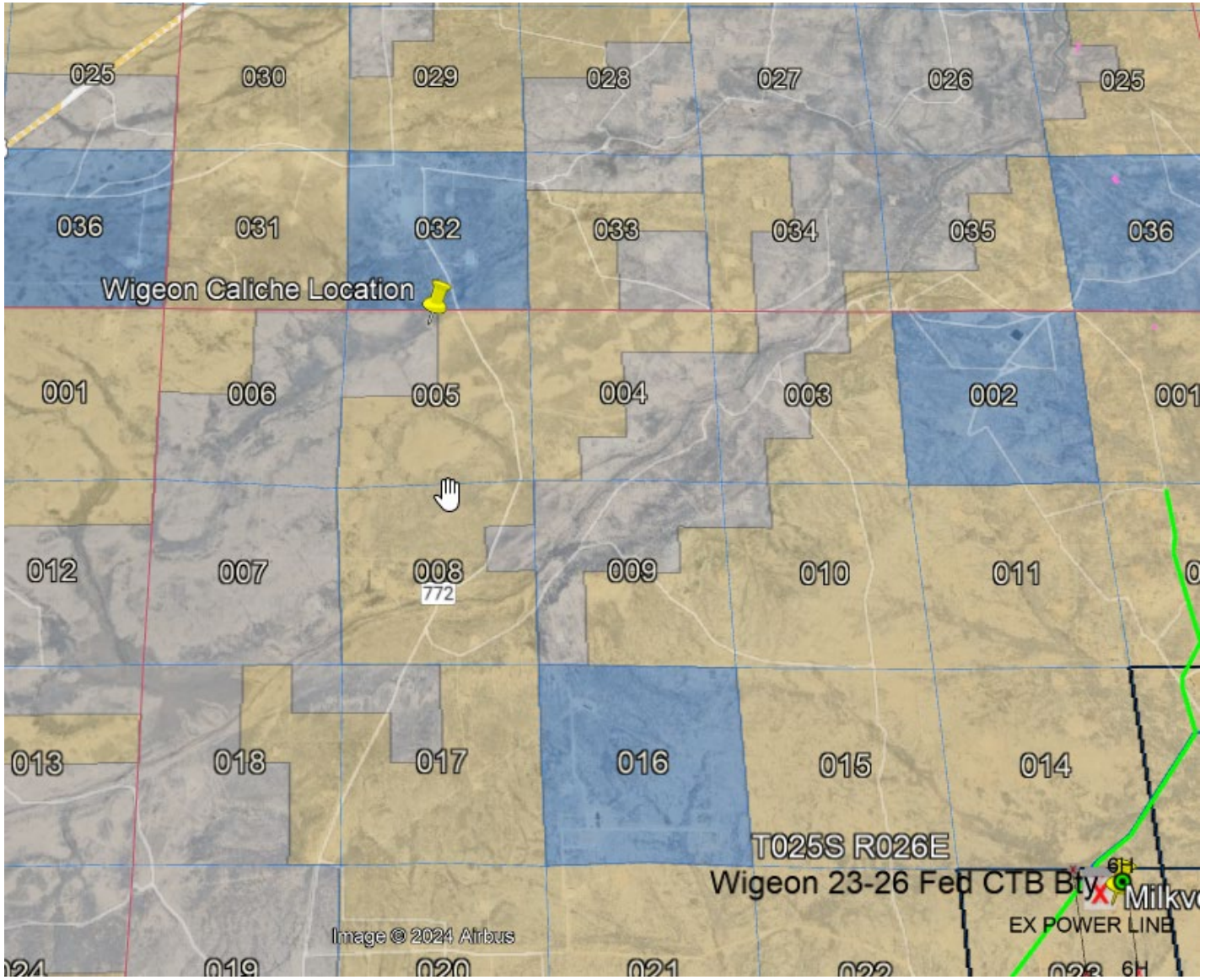
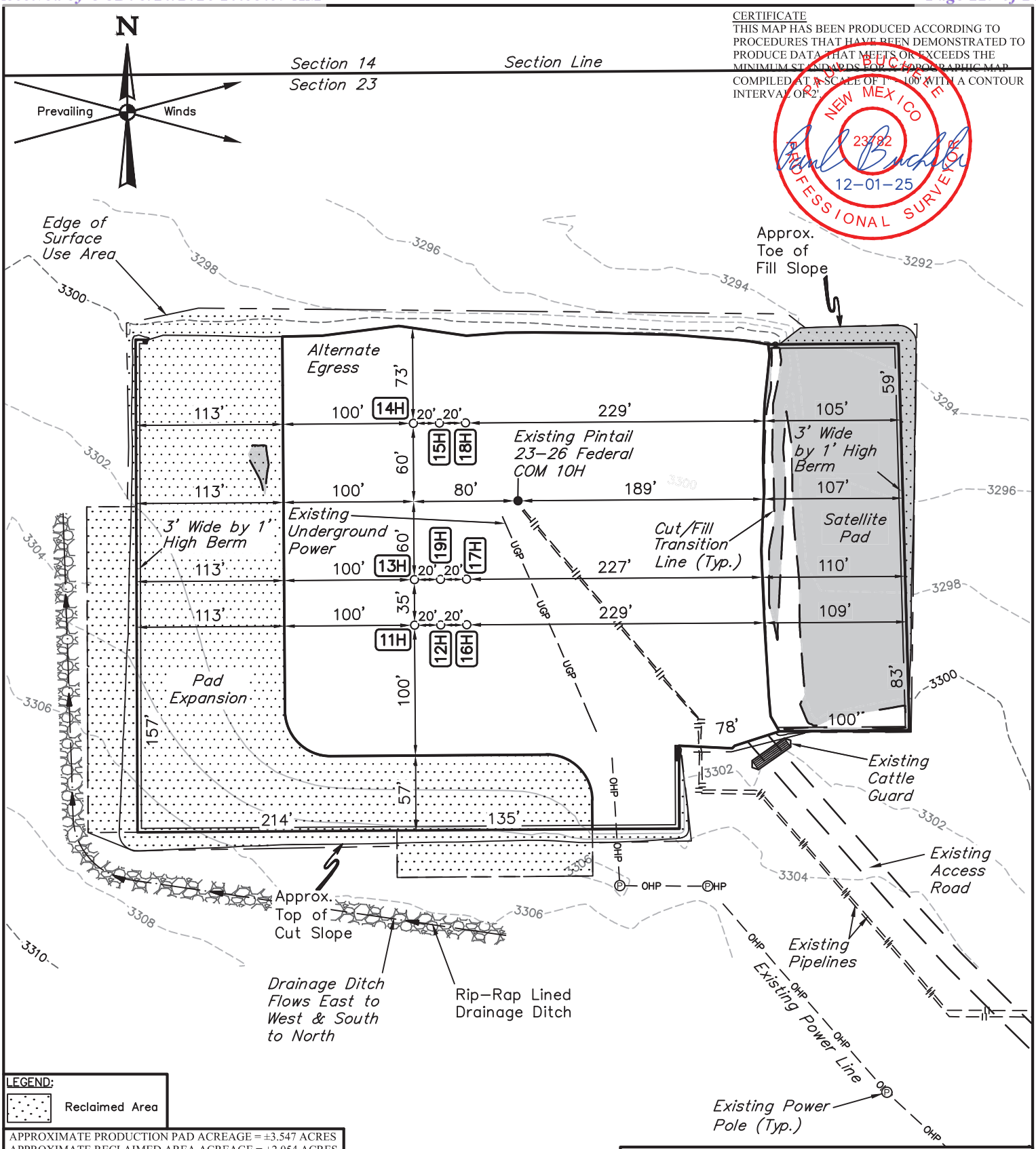




CERTIFICATE
THIS MAP HAS BEEN PRODUCED ACCORDING TO PROCEDURES THAT HAVE BEEN DEMONSTRATED TO PRODUCE DATA THAT MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR A TOPOGRAPHIC MAP COMPILED AT A SCALE OF 1" = 100' WITH A CONTOUR INTERVAL OF 2'.

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

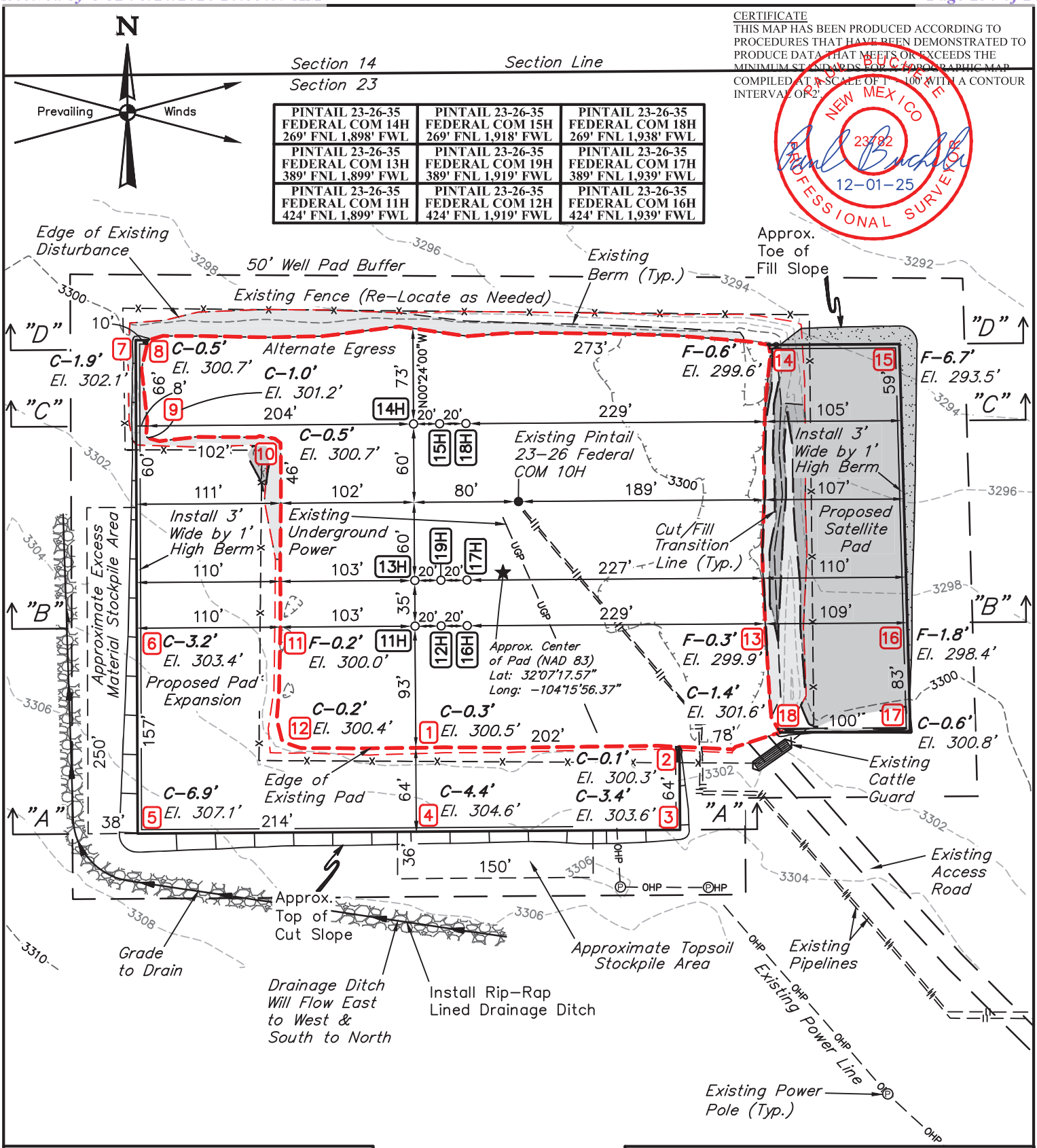
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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:

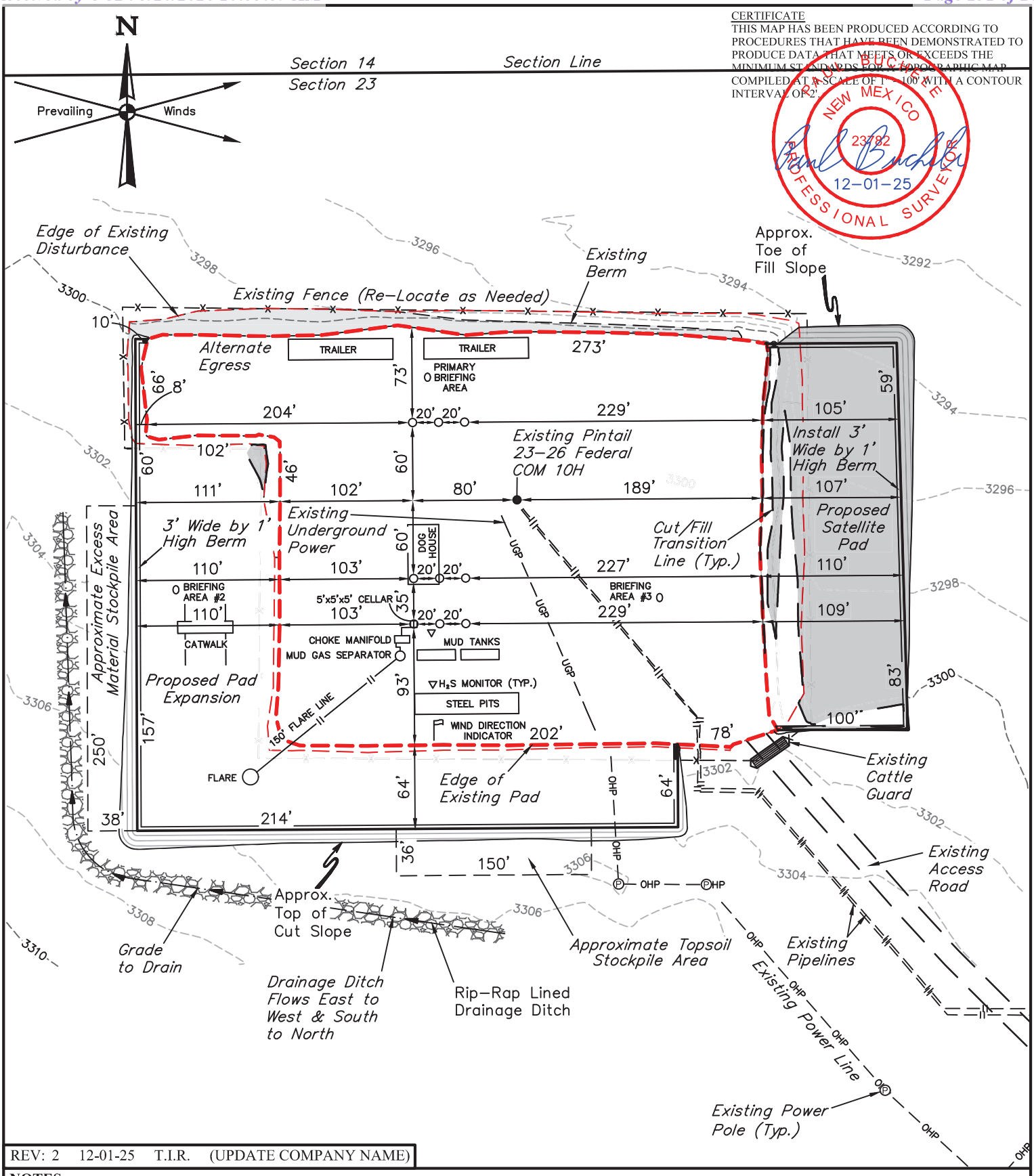
- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.
- Cut/Fill slopes 2:1 (Typ. except where noted)
- Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.
- Basis of Bearings 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.

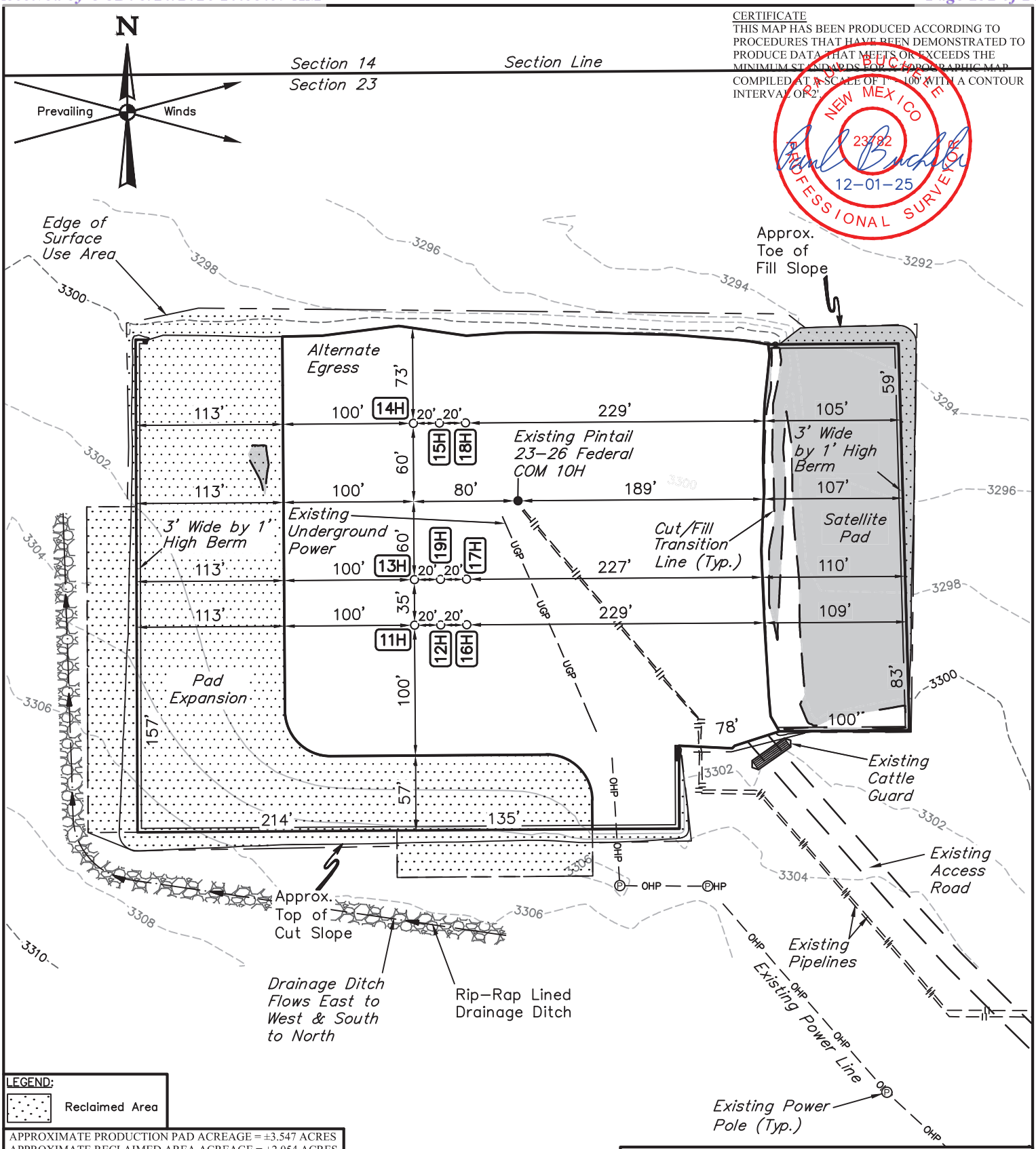
CIMAREX ENERGY CO. OF COLORADO

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
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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

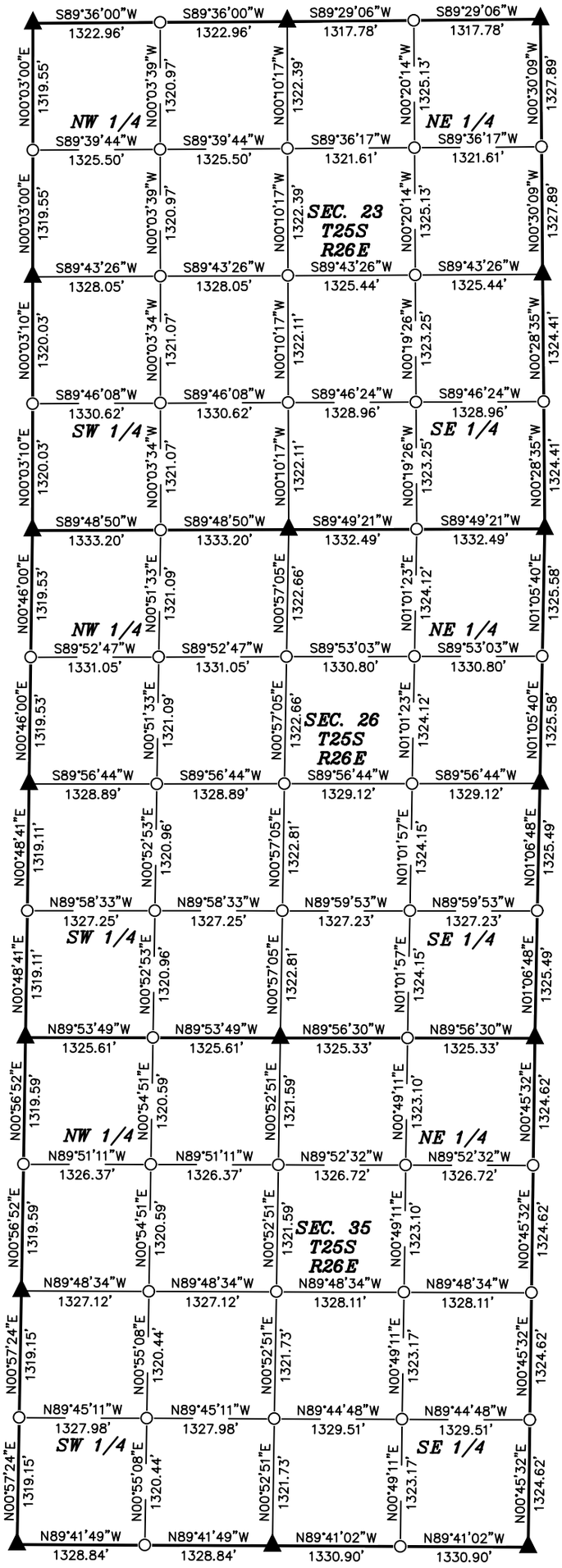
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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



▲ = SECTION CORNERS LOCATED
○ = DIMENSION CORNER ONLY

1500' 750' 0' 1500'
SCALE

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

BASIS OF BEARINGS
BASIS OF BEARING IS A TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W103°53'00" (NAD 83)

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	C.M.T.	02-06-19	1" = 1500'

SECTION BREAKDOWN

UINTAH ENGINEERING & LAND SURVEYING
UELS, LLC
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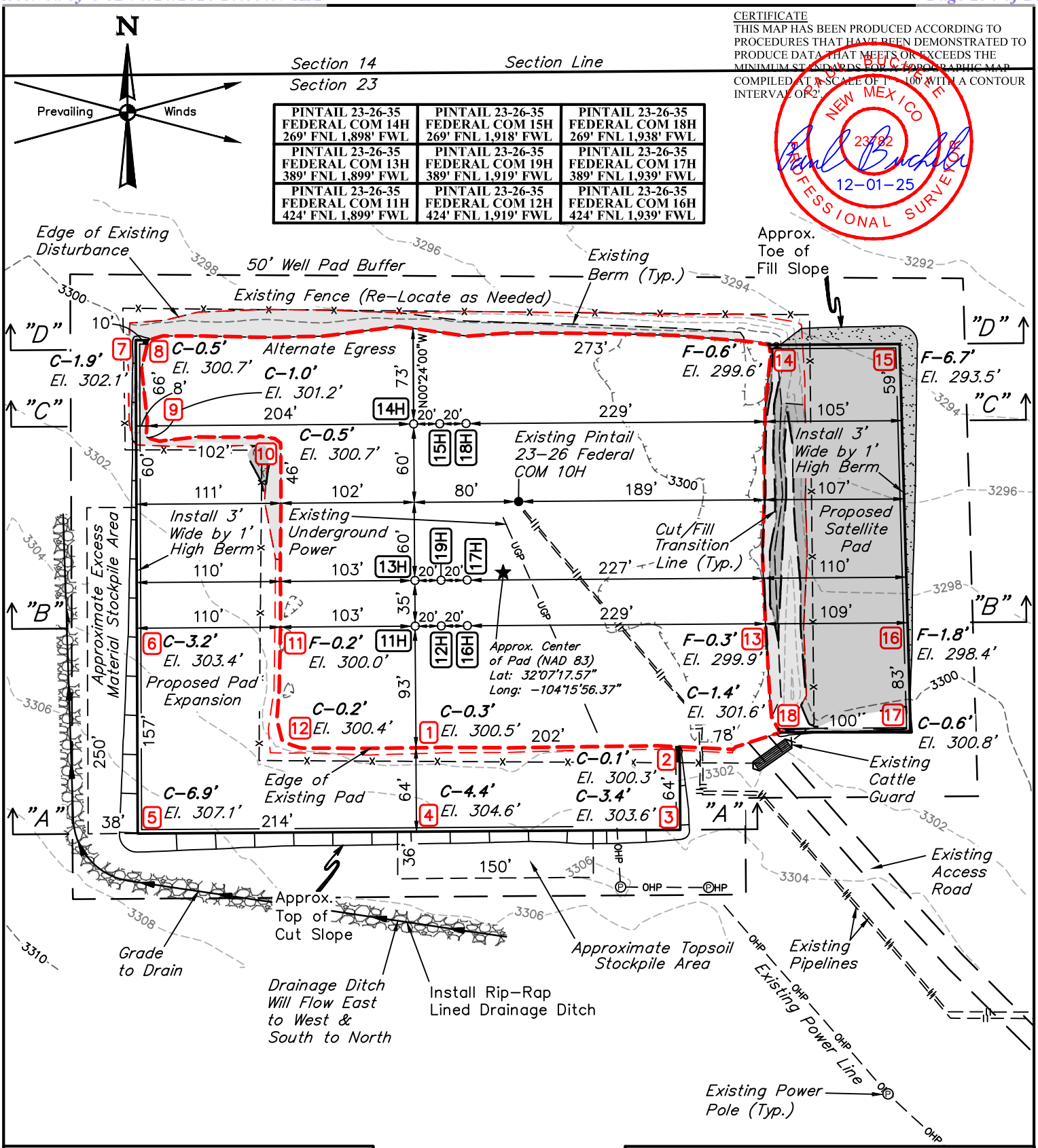
Vernal, UT 84078 * (435) 789-1017



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)

UINTAH ENGINEERING & LAND SURVEYING

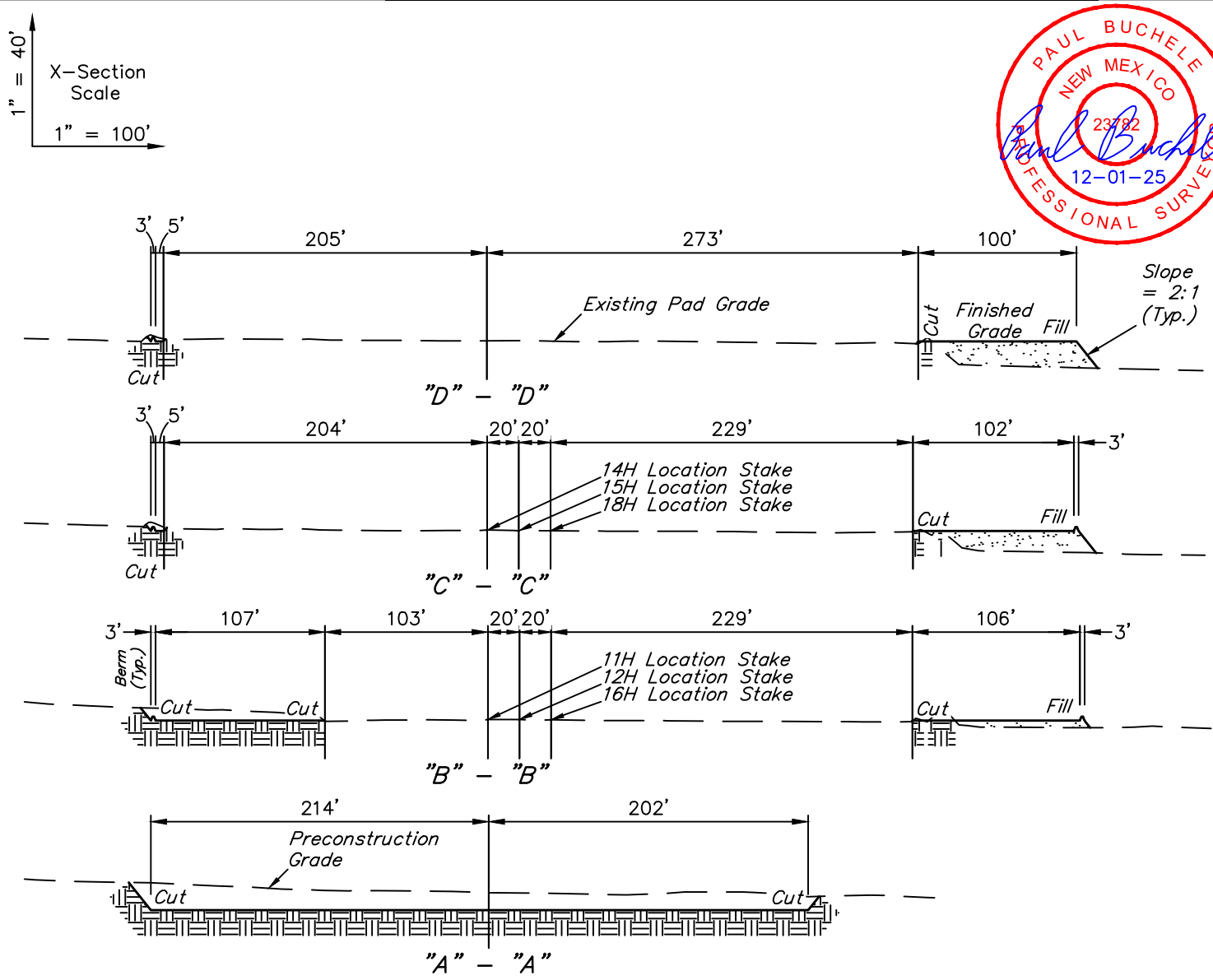
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

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**



PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 12-01-25

APPROXIMATE EARTHWORK QUANTITIES	
(4") TOPSOIL STRIPPING (NEW CONSTRUCTION ONLY)	1,020 Cu. Yds.
REMAINING LOCATION	5,700 Cu. Yds.
TOTAL CUT	**6,720 Cu. Yds.**
FILL	**3,610 Cu. Yds.**
EXCESS MATERIAL	3,110 Cu. Yds.
TOPSOIL	1,020 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	**2,090 Cu. Yds.**

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	**ACRES**
EXISTING DISTURBANCE SURFACE USE AREA	NA	±3.472
PROPOSED EXPANSION DISTURBANCE SURFACE USE AREA	N/A	±2.129
70' WIDE BULK LINE "A" R-O-W DISTURBANCE	±1,869.22'	±3.004
30' WIDE BULK LINE "B" R-O-W DISTURBANCE	±39.71'	±0.027
30' WIDE POWER LINE R-O-W DISTURBANCE	±275.80'	±0.191
TOTAL SURFACE USE AREA		**±8.823**

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

NOTES:

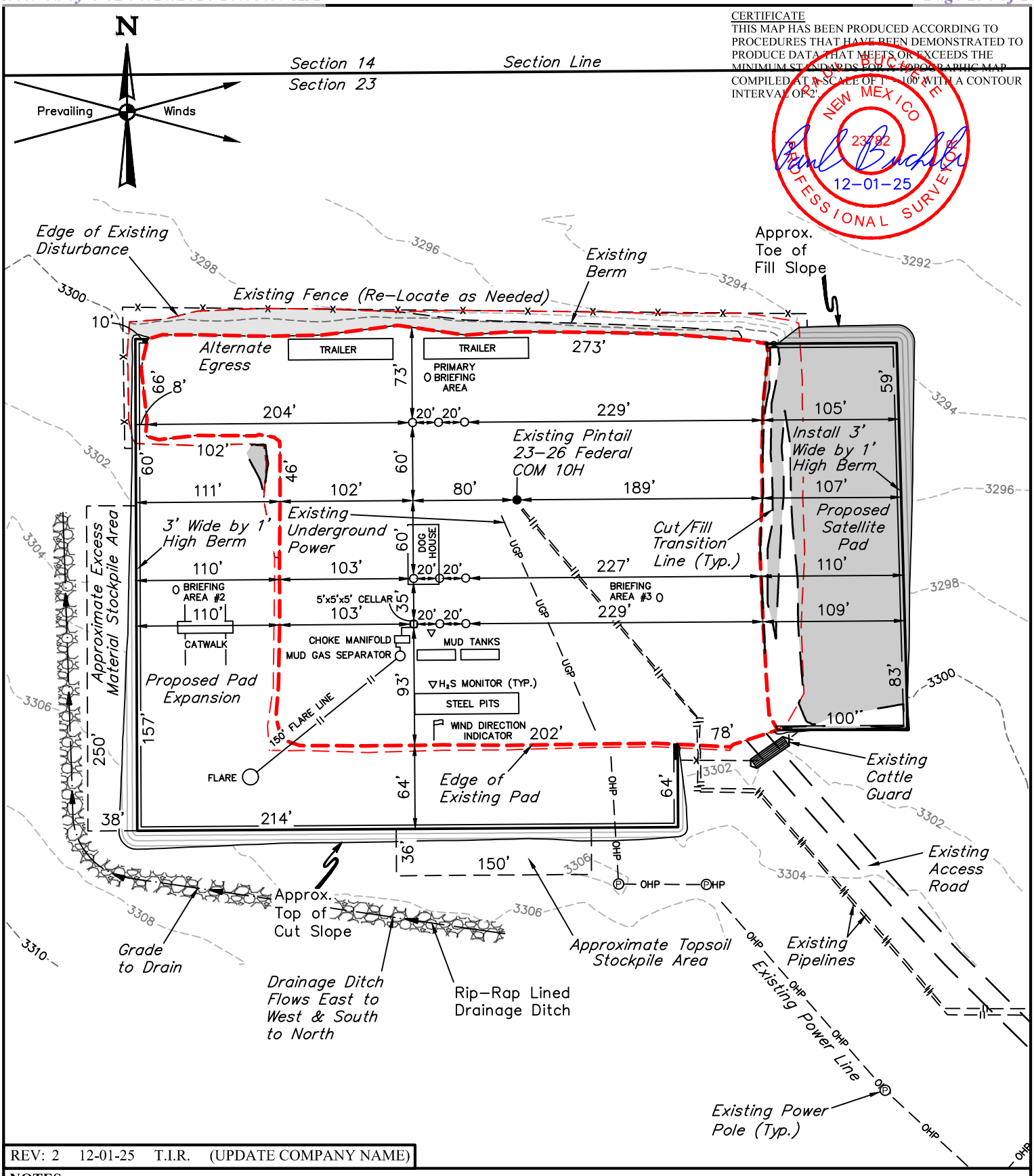
- Fill quantity includes 5% for compaction.
- Cut/Fill slopes 2:1 (Typ. except where noted)

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	AS SHOWN
TYPICAL CROSS SECTIONS			**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.

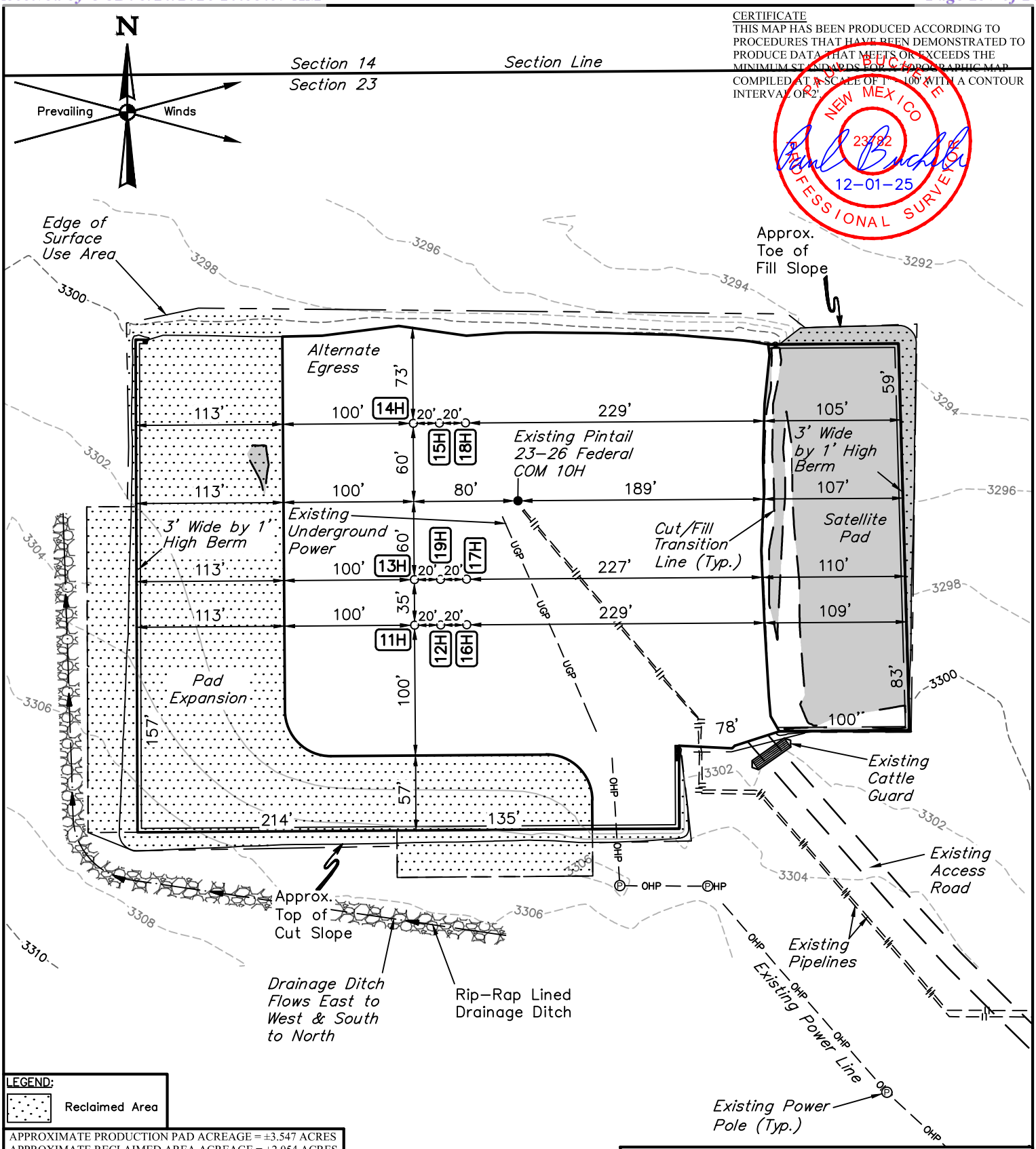
CIMAREX ENERGY CO. OF COLORADO

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'.

CARL BUCKLE — NEW MEXICO — 23782 — PROFESSIONAL SURVEYOR — 12-01-25

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

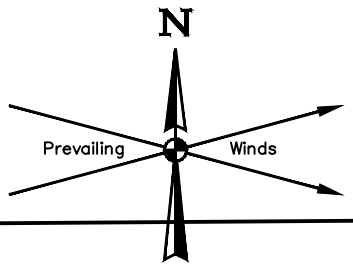
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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

RECLAMATION DIAGRAM **EXHIBIT P**

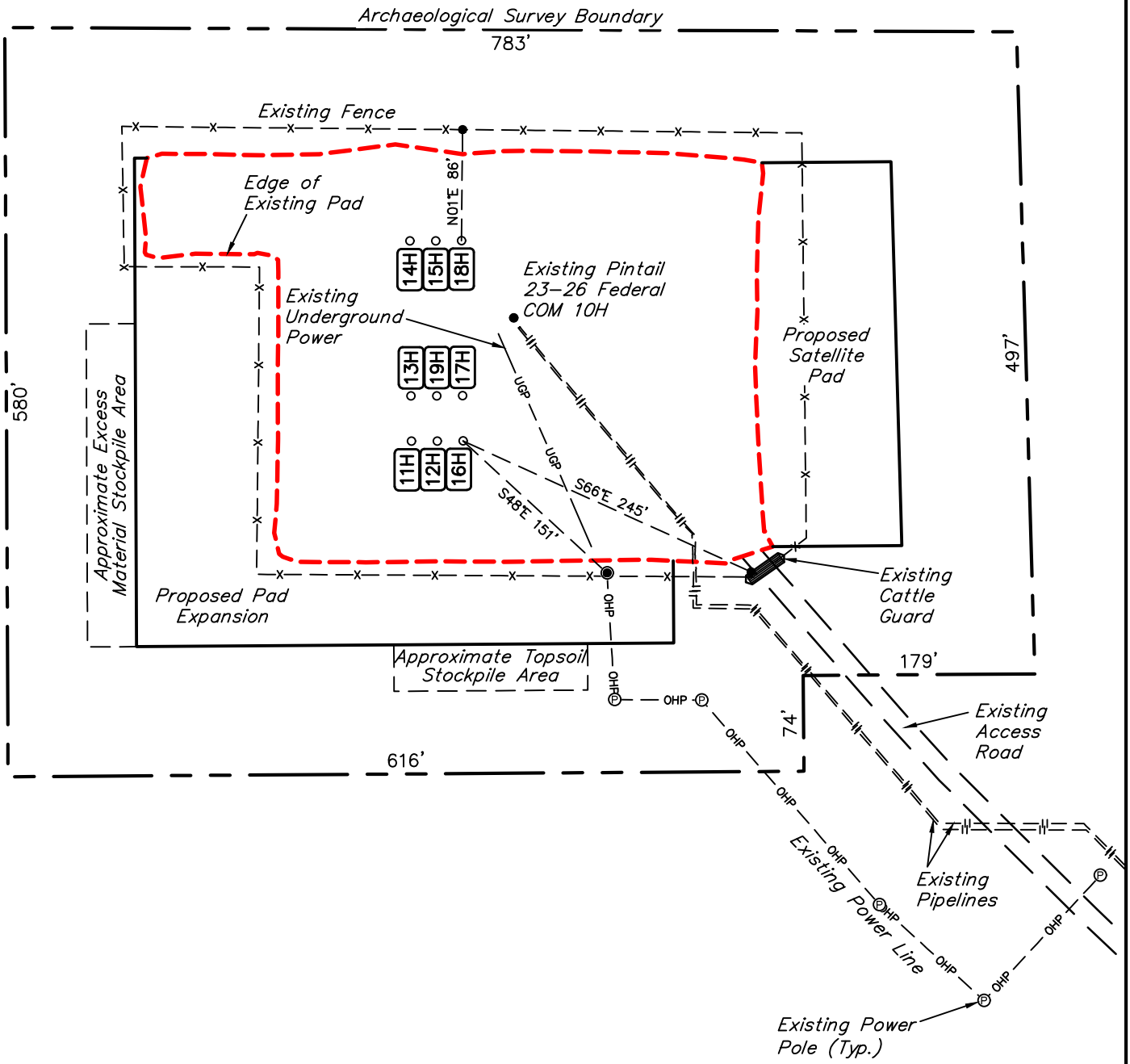
UINTAH ENGINEERING & LAND SURVEYING

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



Section 14 Section Line
Section 23

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR
12-01-25



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

NOTES:

- 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" = 120'
ARCHAEOLOGICAL SURVEY BOUNDARY			EXHIBIT L

UINTAH ENGINEERING & LAND SURVEYING

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

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)

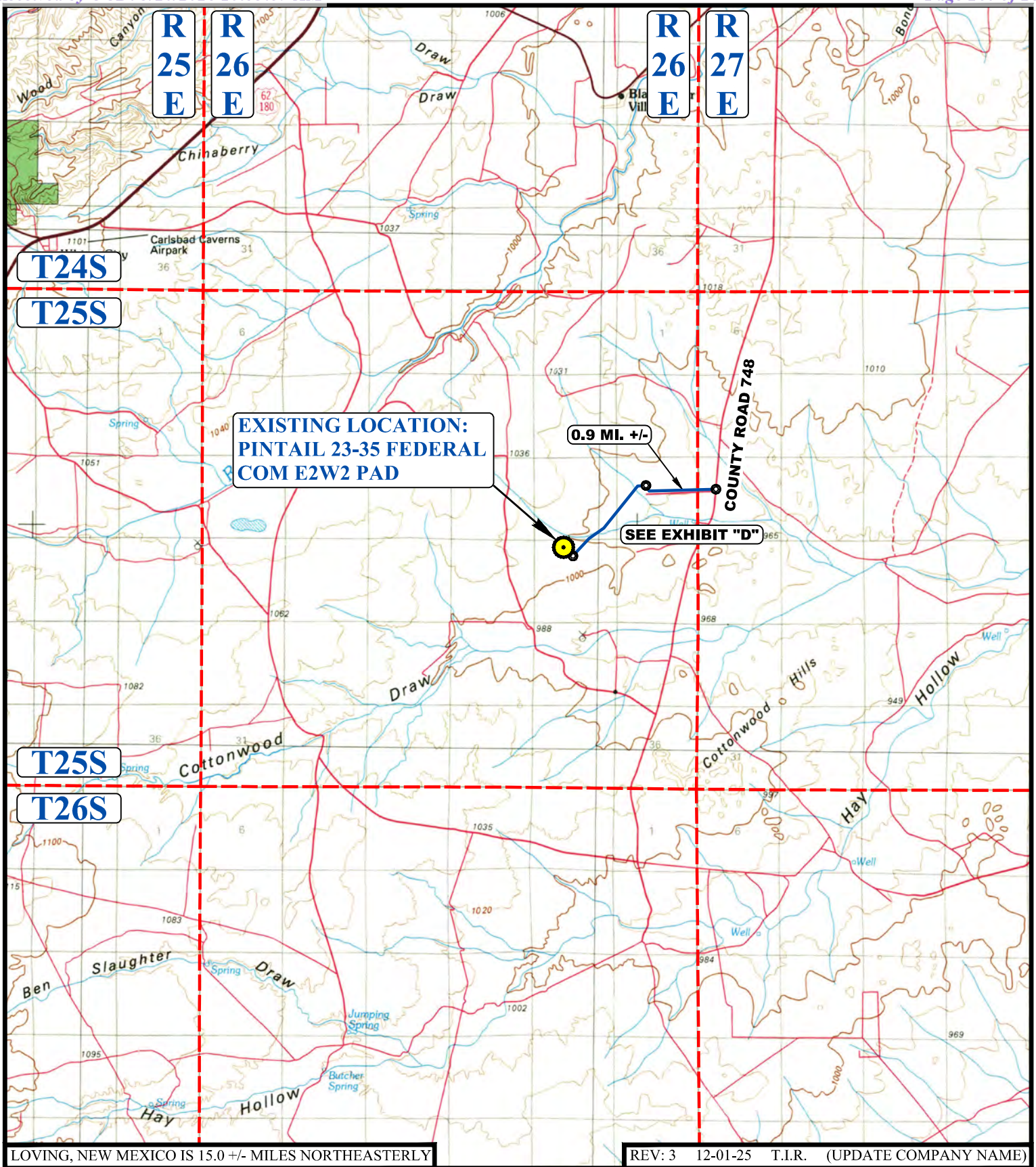
CIMAREX ENERGY CO. OF COLORADO

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

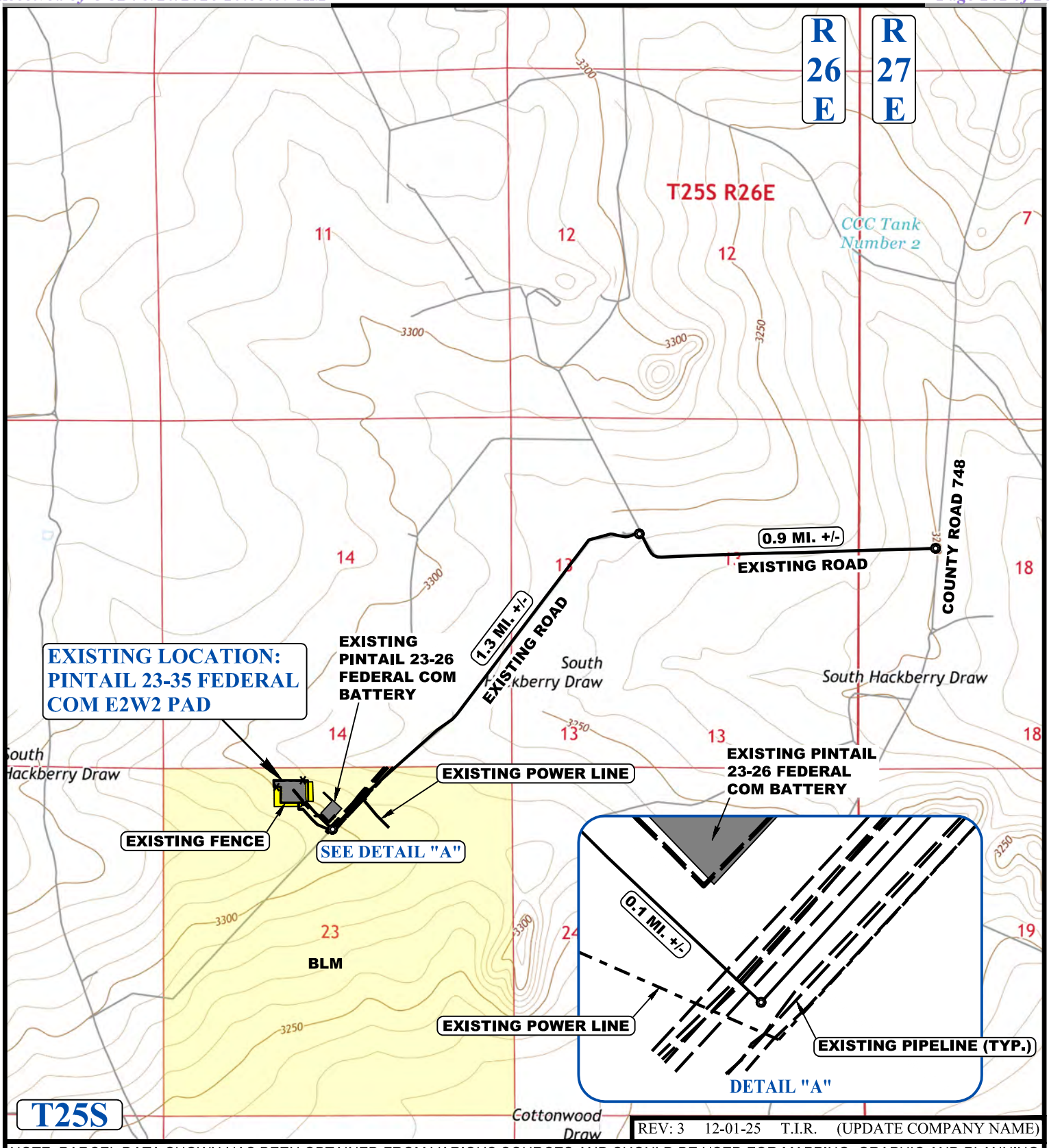
CIMAREX ENERGY CO. OF COLORADO

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**

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

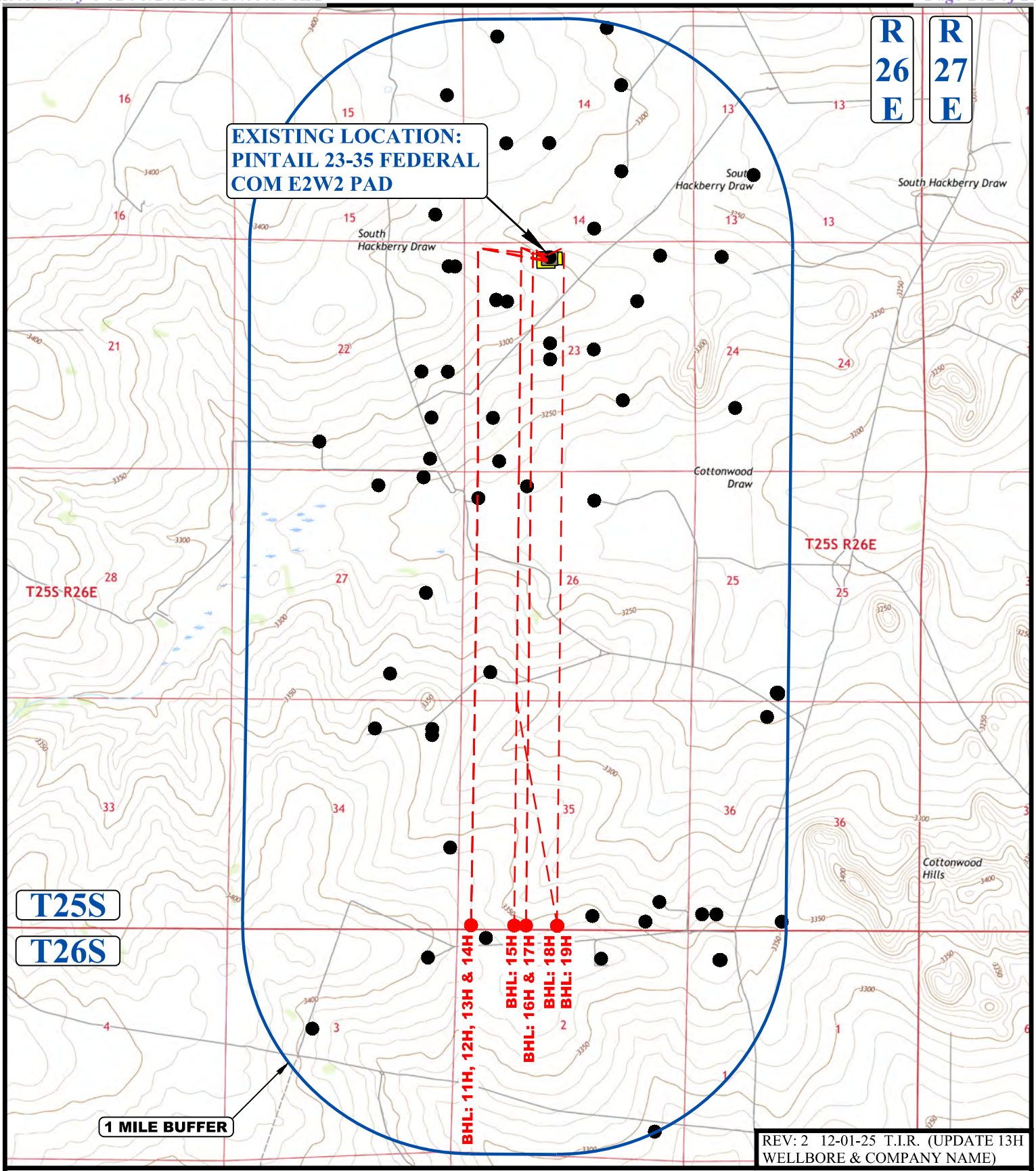
CIMAREX ENERGY CO. OF COLORADO

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

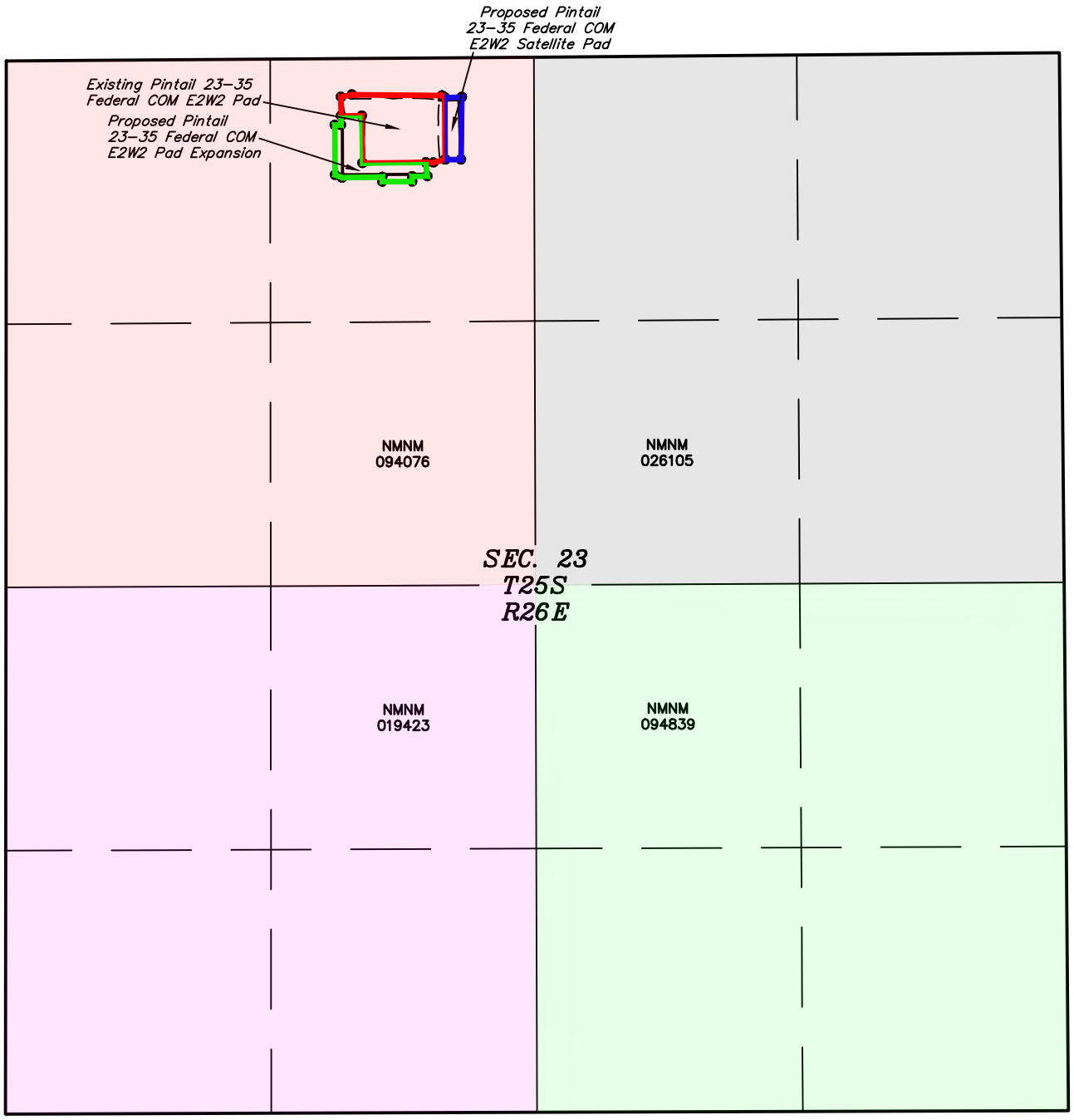
PINTAIL 23-35 FEDERAL COM E2W2 PAD
383' FNL 1,967' FWL (APPROX. CENTER OF PAD)
NE 1/4 NW 1/4, SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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



LEGEND:

- EXISTING DISTURBANCE SURFACE USE AREA
- WELL PAD EXPANSION SURFACE USE AREA
- SATELLITE PAD EXPANSION SURFACE USE AREA
- 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

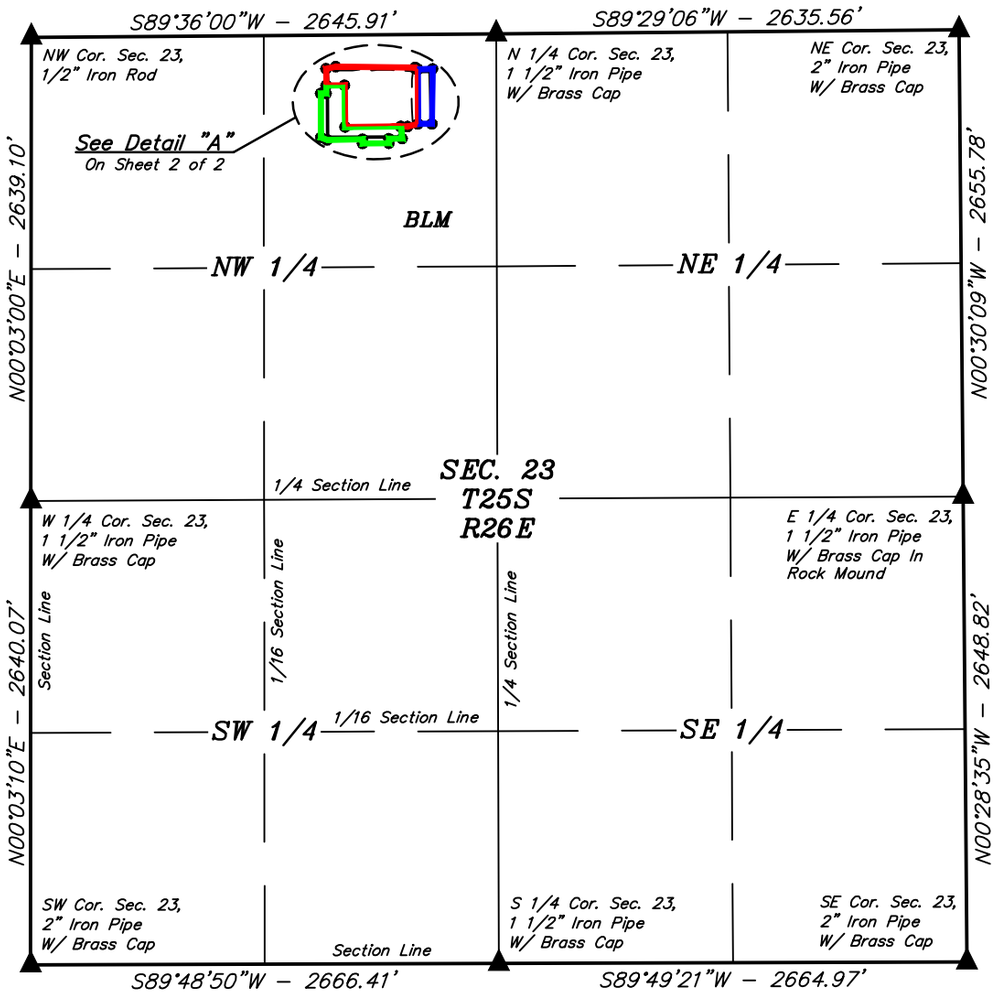
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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

OVERALL SURFACE USE AREA

UINTAH ENGINEERING & LAND SURVEYING

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



EXISTING DISTURBANCE SURFACE USE AREA 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 S65°49'30"W 490.35' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE S00°23'57"E 310.73'; THENCE S75°43'30"W 60.39'; THENCE S89°36'52"W 38.53'; THENCE CONTINUING S89°36'52"W 317.37'; THENCE N00°53'30"W 236.72'; THENCE S89°55'13"W 103.27'; THENCE N00°59'32"W 94.89'; THENCE N78°05'36"E 56.37'; THENCE S89°25'38"E 452.30'; THENCE S51°51'46"E 17.04' TO THE POINT OF BEGINNING. CONTAINS 3.472 ACRES MORE OR LESS.

WELL PAD EXPANSION SURFACE USE AREA 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 S45°50'01"W 755.92' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE S06°27'31"E 68.68'; THENCE S88°58'52"W 75.99'; THENCE S00°24'00"E 25.55'; THENCE S89°36'00"W 150.00'; THENCE N00°24'00"W 23.93'; THENCE S88°58'52"W 202.01'; THENCE N68°07'40"W 37.89'; THENCE N00°14'40"W 250.00'; THENCE N89°45'20"E 31.02'; THENCE N01°23'25"E 46.04'; THENCE N89°55'13"E 103.27'; THENCE S00°53'30"E 236.72'; THENCE N89°36'52"E 317.37' TO THE POINT OF BEGINNING. CONTAINS 1.538 ACRES MORE OR LESS.

SATELLITE PAD SURFACE USE AREA 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 S65°49'30"W 490.35' TO A POINT IN THE NE 1/4 NW 1/4 OF SAID SECTION 23 AND THE POINT OF BEGINNING; THENCE N88°09'38"E 85.87'; THENCE S00°48'02"W 313.33'; THENCE S89°52'11"W 79.28'; THENCE N00°23'57"W 310.73' TO THE POINT OF BEGINNING. CONTAINS 0.591 ACRES MORE OR LESS.

POINT OF BEGINNING EXISTING DISTURBANCE & SATELLITE PAD EXPANSION BEARS S65°49'30"W 490.35' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

POINT OF BEGINNING WELL PAD EXPANSION BEARS S45°50'01"W 755.92' FROM THE NORTH 1/4 CORNER OF SECTION 23, T25S, R26E, N.M.P.M.

CERTIFICATE

THIS IS TO CERTIFY THAT THIS SURFACE USE AREA 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
Paul Buchanan
12-01-25

1000' 500' 0' 1000'

▲ = SECTION CORNERS LOCATED.

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)

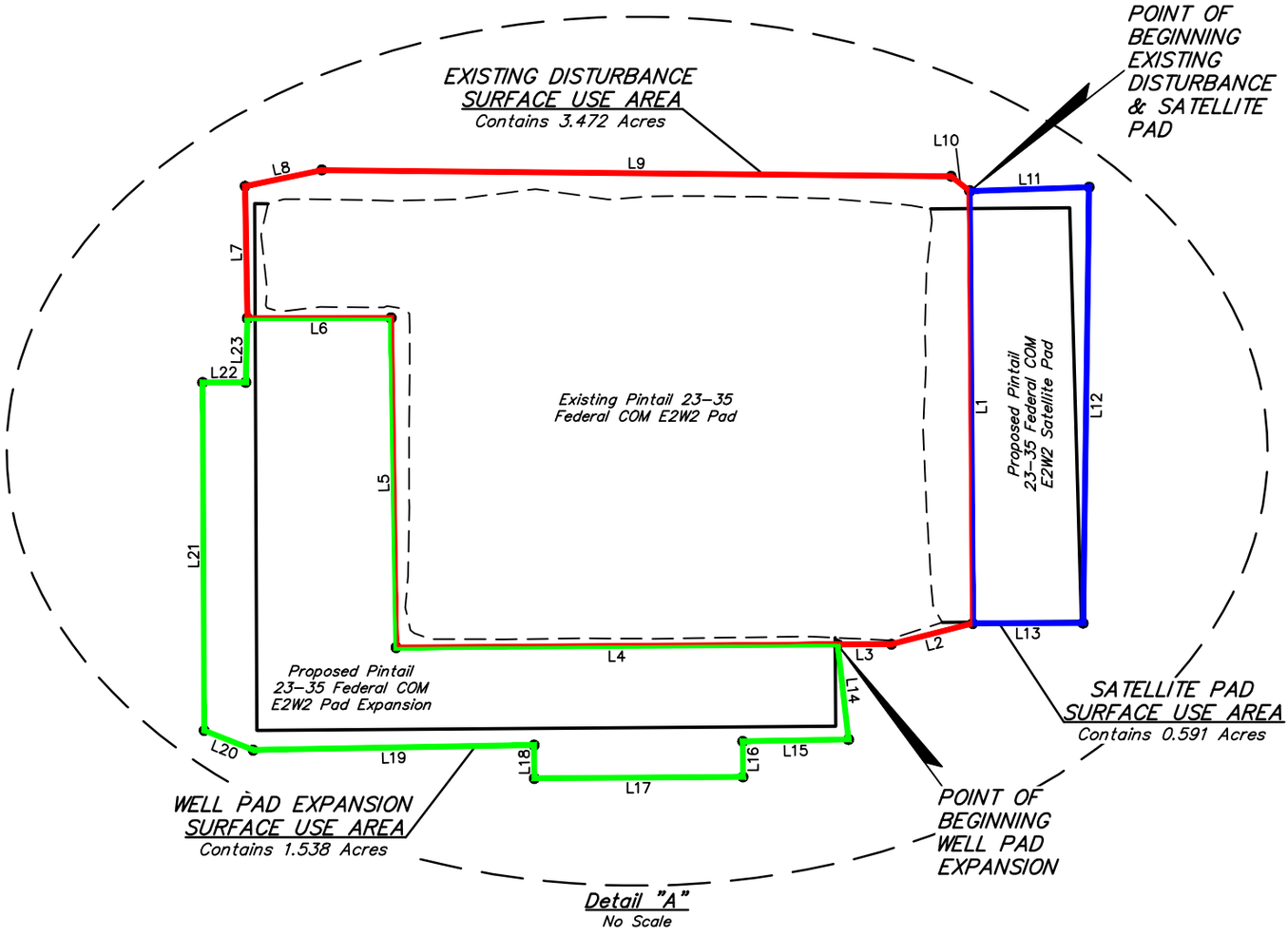
CIMAREX ENERGY CO. OF COLORADO

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		

SURFACE USE AREA

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S00°23'57"E	310.73'
L2	S75°43'30"W	60.39'
L3	S89°36'52"W	38.53'
L4	S89°36'52"W	317.37'
L5	N00°53'30"W	236.72'
L6	S89°55'13"W	103.27'
L7	N00°59'32"W	94.89'
L8	N78°05'36"E	56.37'
L9	S89°25'38"E	452.30'
L10	S51°51'46"E	17.04'
L11	N88°09'38"E	85.87'
L12	S00°48'02"W	313.33'
L13	S89°52'11"W	79.28'
L14	S06°27'31"E	68.68'
L15	S88°58'52"W	75.99'
L16	S00°24'00"E	25.55'
L17	S89°36'00"W	150.00'
L18	N00°24'00"W	23.93'
L19	S88°58'52"W	202.01'
L20	N68°07'40"W	37.89'
L21	N00°14'40"W	250.00'
L22	N89°45'20"E	31.02'
L23	N01°23'25"E	46.04'

EXISTING DISTURBANCE ACREAGE TABLE	
LOCATION	ACRES
SEC. 23 (NW 1/4)	3.472

WELL PAD EXPANSION ACREAGE TABLE	
LOCATION	ACRES
SEC. 23 (NW 1/4)	1.538

SATELLITE PAD ACREAGE TABLE	
LOCATION	ACRES
SEC. 23 (NW 1/4)	0.591

CERTIFICATE

THIS IS TO CERTIFY THAT THIS SURFACE USE AREA 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
Paul Buchheu
12-01-25

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)

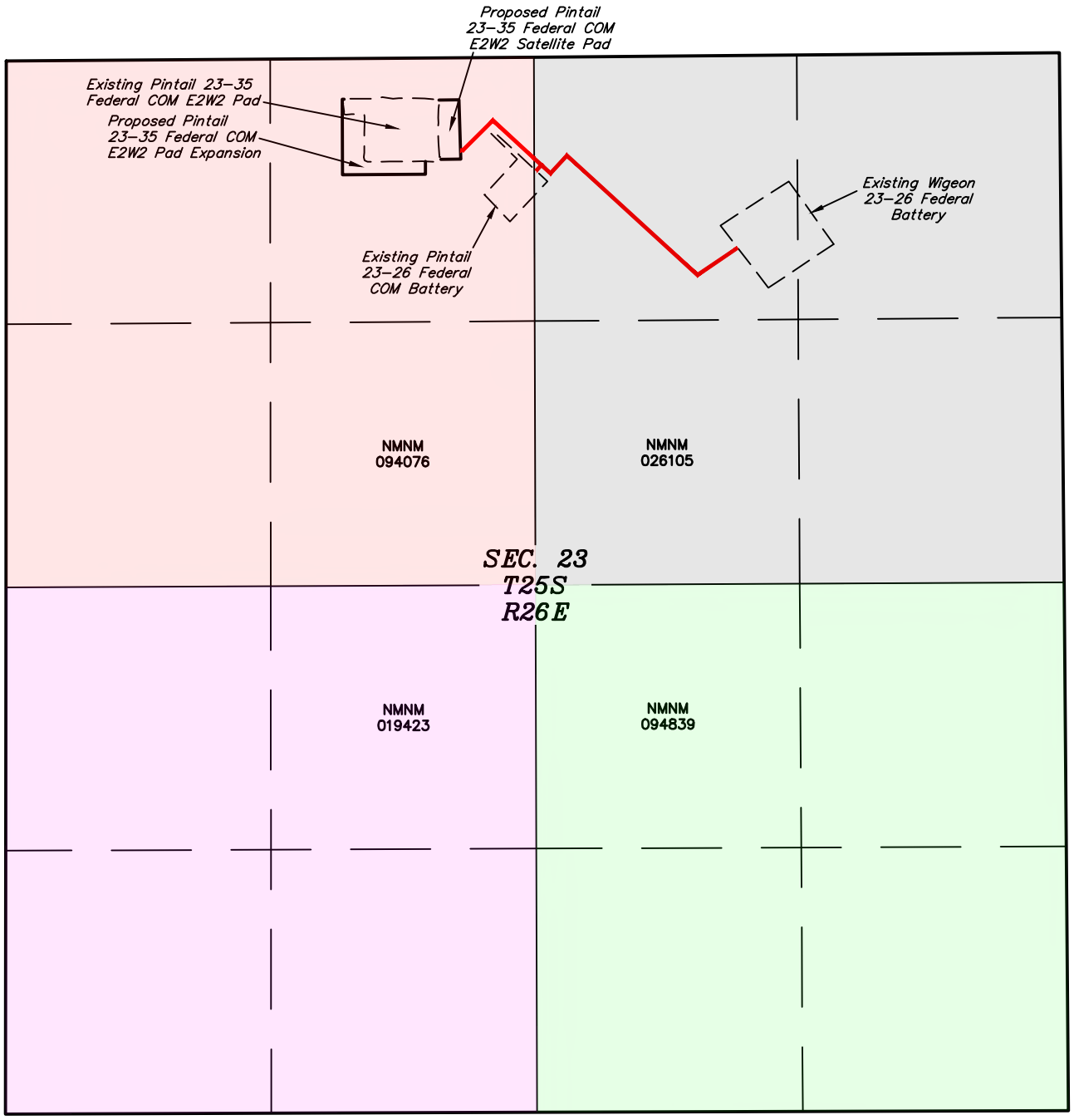
CIMAREX ENERGY CO. OF COLORADO

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		

SURFACE USE AREA

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

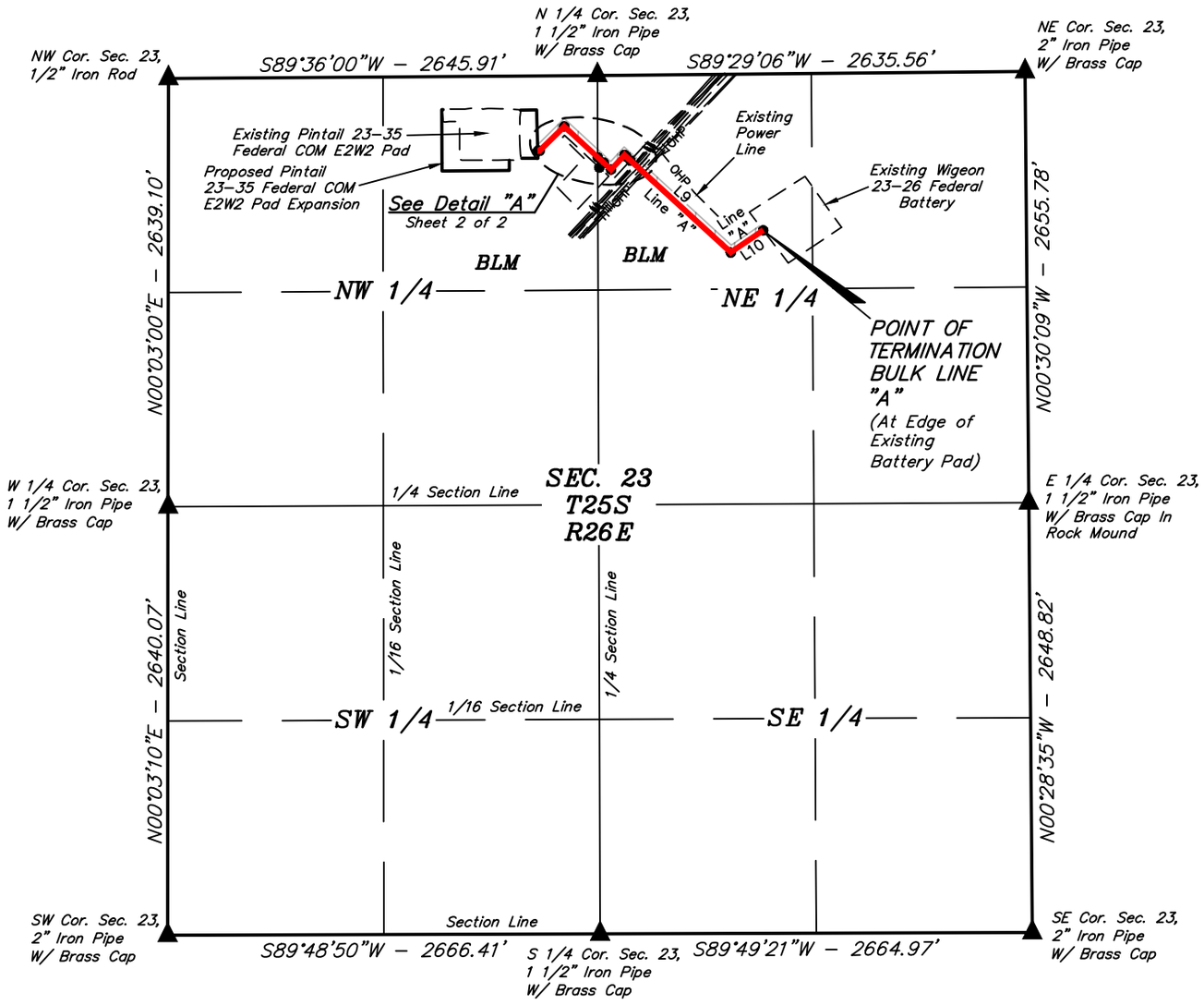
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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

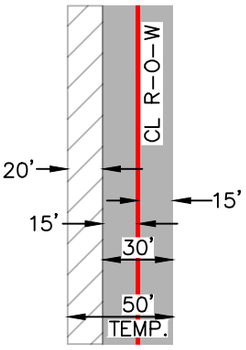
OVERALL BULK LINE R-O-W

UINTAH ENGINEERING & LAND SURVEYING

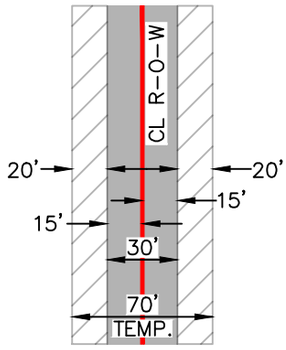
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



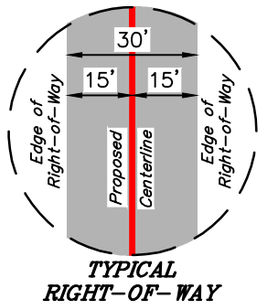
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N88°22'01"E	10.98'
L2	N45°23'09"E	213.71'
L3	S47°21'14"E	281.18'
L4	S47°21'14"E	49.49'
L5	S47°21'14"E	61.45'
L6	N42°44'52"E	122.20'
L7	S47°30'37"E	15.00'
L8	S47°30'37"E	35.00'
L9	S47°30'37"E	838.17'
L10	N55°50'37"E	242.04'
L11	S42°55'09"W	39.71'



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

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
12-01-25
PROFESSIONAL SURVEYOR

1000' 500' 0' 1000'

▲ = SECTION CORNERS LOCATED.

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

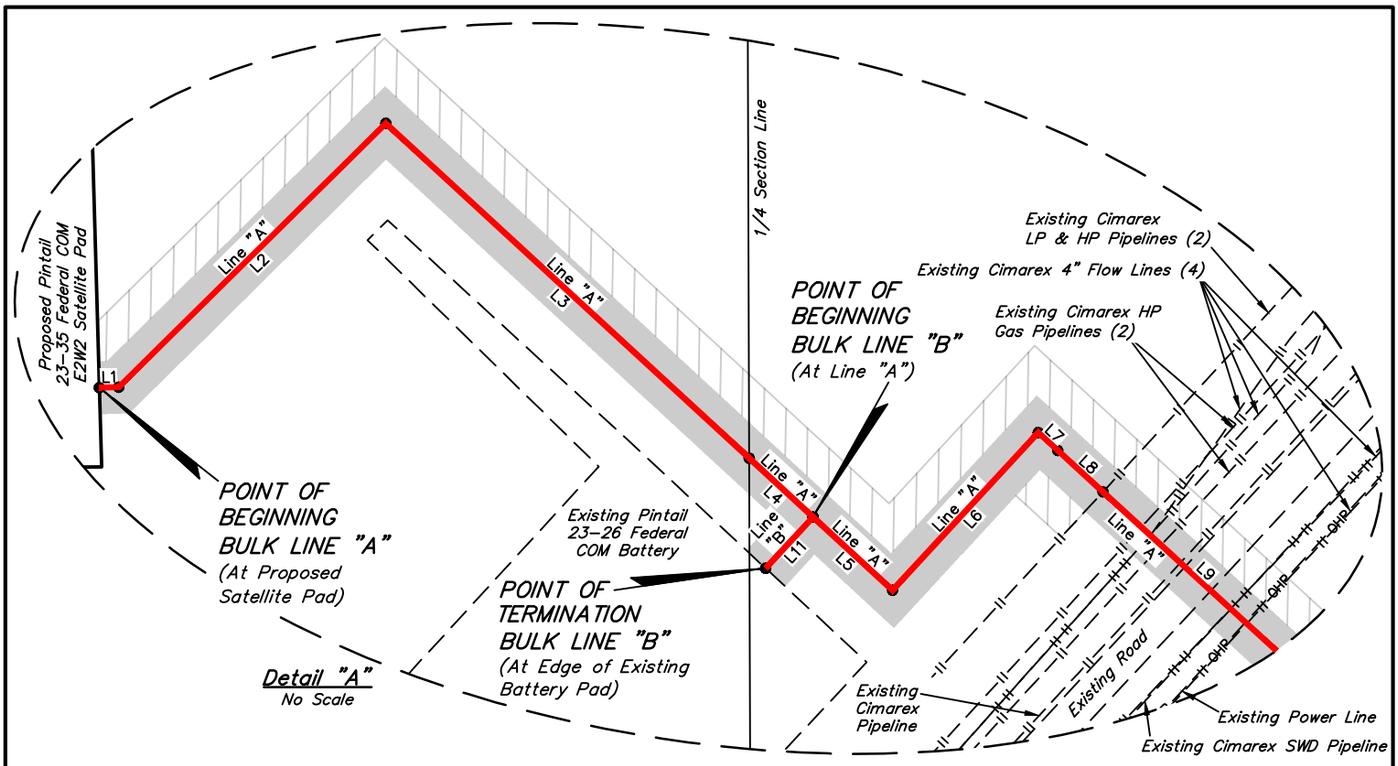
NOTES:
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)
- Water bars to be constructed along route every 6' of elevation change.

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	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.

STATE OF 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:

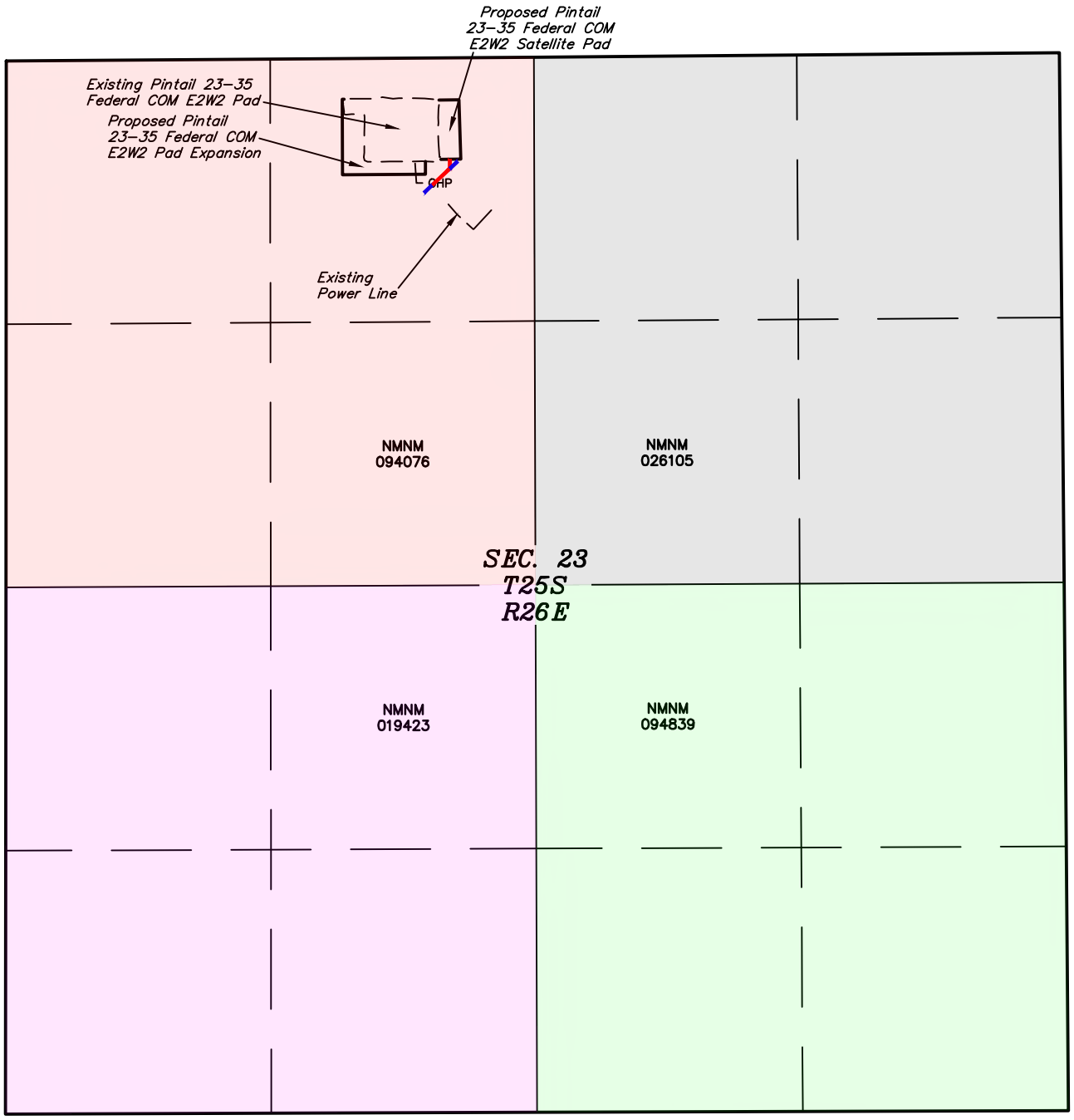
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of 103°53'00" (NAD 83)
- Water bars to be constructed along route every 6' of elevation change.

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



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)

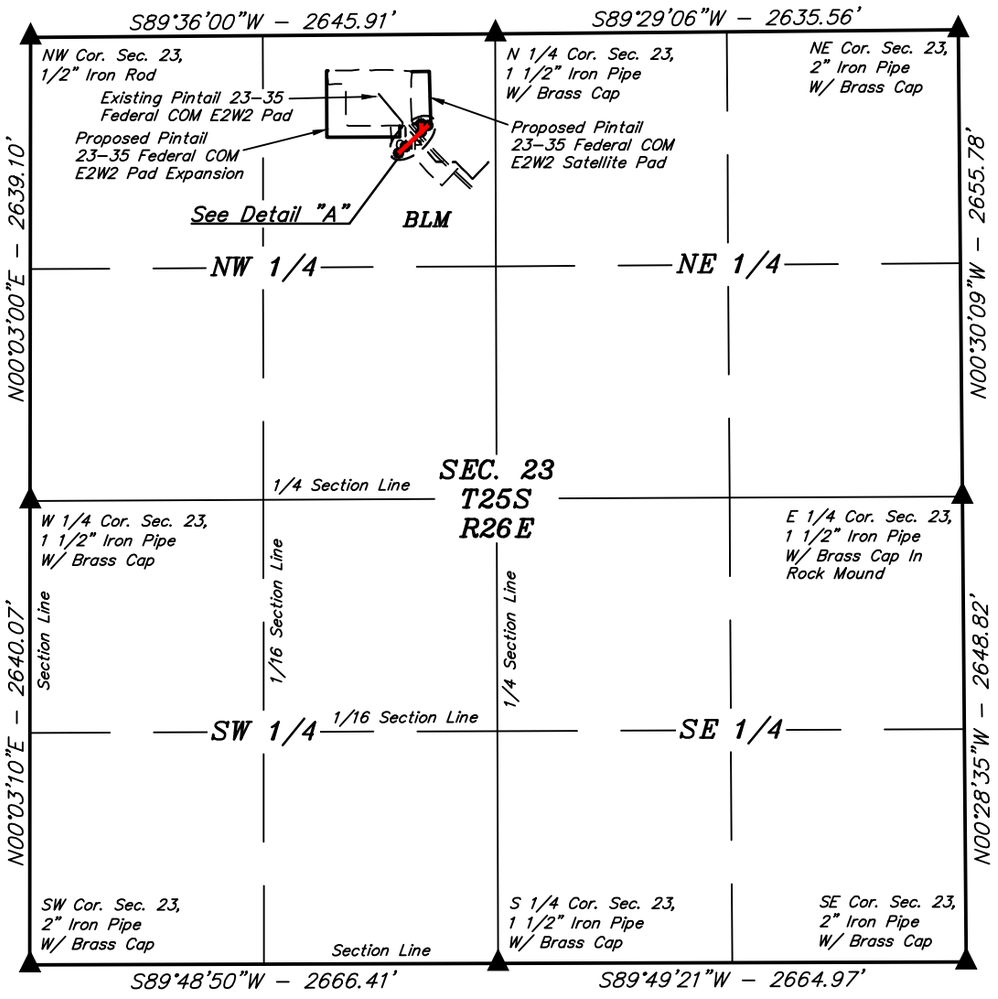
CIMAREX ENERGY CO. OF COLORADO

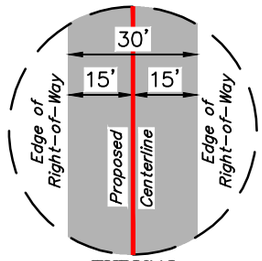
PINTAIL 23-35 FEDERAL COM E2W2 PAD
SECTION 23, T25S, R26E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

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

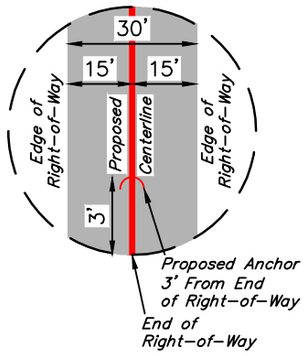
UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017



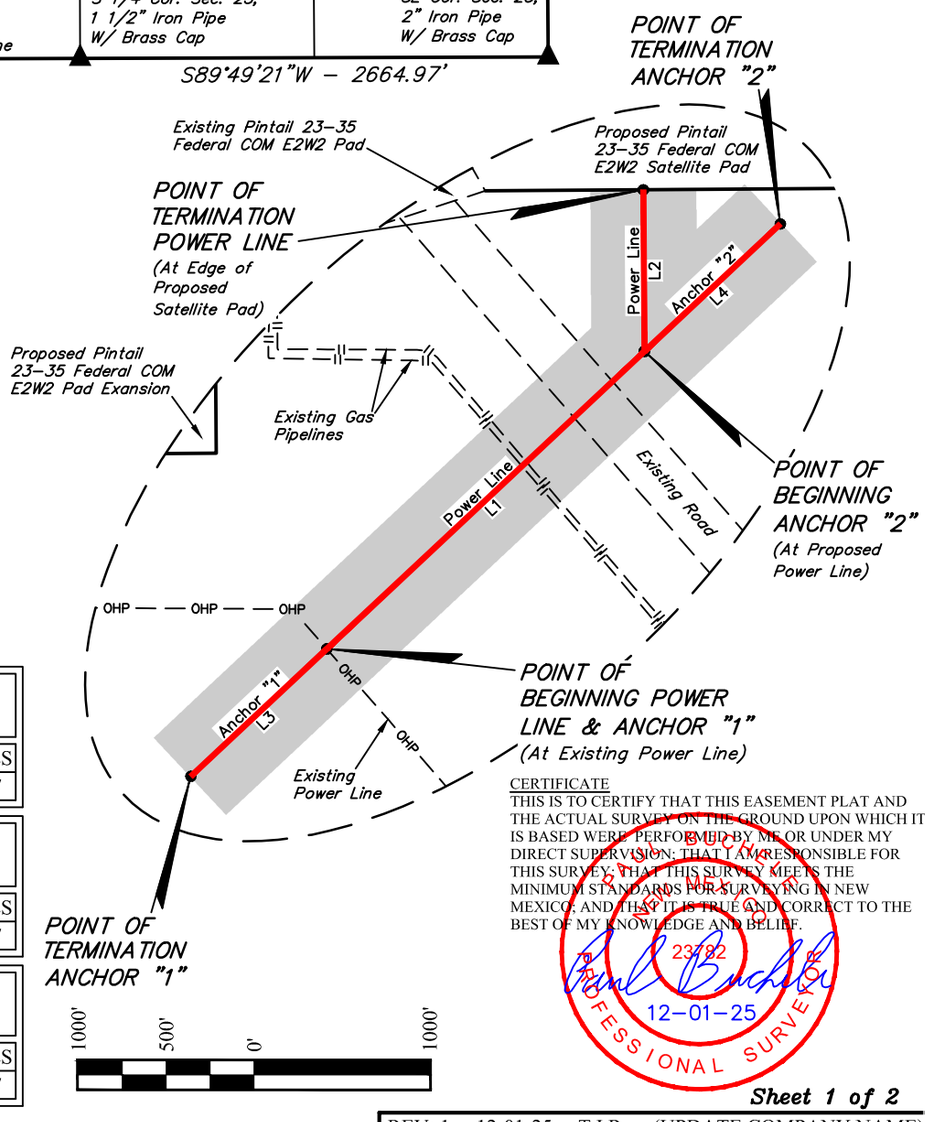


TYPICAL RIGHT-OF-WAY DETAIL FOR L1 & L2
NO SCALE

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



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.

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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

UINTAH ENGINEERING & LAND SURVEYING
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

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NEW MEXICO 23782 PROFESSIONAL SURVEYOR
23782
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

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

PWD Data Report
03/18/2026

APD ID: 10400109453 **Submission Date:** 01/19/2026

Operator Name: COTERRA ENERGY OPERATING CO

Well Name: PINTAIL 23-26-35 FEDERAL COM **Well Number:** 11H

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:** 11H

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:** 11H

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:** 11H

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: 10400109453
Submission Date: 01/19/2026
Operator Name: COTERRA ENERGY OPERATING CO
Well Name: PINTAIL 23-26-35 FEDERAL COM
Well Number: 11H
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:

Well Name: PINTAIL 23-26-35 FEDERAL COM

Well Location: T25S / R26E / SEC 23 / NENW / 32.121434 / -104.265875

County or Parish/State: EDDY / NM

Well Number: 11H

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: 2901434

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/19/2026

Time Sundry Submitted: 01:21

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 11H (APD ID: 10400109453). 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_11H_3.19.2026_20260319132049.pdf

Well Name: PINTAIL 23-26-35 FEDERAL COM

Well Location: T25S / R26E / SEC 23 / NENW / 32.121434 / -104.265875

County or Parish/State: EDDY / NM

Well Number: 11H

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 01:21 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 / 424 FNL / 1899 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.121434 / LONG: -104.265875 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.122279 / LONG: -104.270945 (TVD: 6640 feet, MD: 6819 feet)

PPP: NWSW / 2640 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 23 / LAT: 32.115299 / LONG: -104.270923 (TVD: 7217 feet, MD: 8185 feet)

PPP: NWNW / 0 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.108042 / LONG: -104.2709 (TVD: 7252 feet, MD: 12360 feet)

PPP: SWNW / 1320 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 26 / LAT: 32.104414 / LONG: -104.270942 (TVD: 7252 feet, MD: 12396 feet)

PPP: NWSW / 2644 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.100774 / LONG: -104.270984 (TVD: 7275 feet, MD: 16006 feet)

PPP: NWNW / 2644 FNL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.100774 / LONG: -104.270984 (TVD: 7297 feet, MD: 17645 feet)

BHL: SWSW / 100 FSL / 330 FWL / TWSP: 25S / RANGE: 26E / SECTION: 35 / LAT: 32.079303 / LONG: -104.271291 (TVD: 7340 feet, MD: 22815 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
30-015-58014	97916	Wildcat G-04 S252623M; BONE SPRING

Property Code	Property Name	Well Number
339015	PINTAIL 23-35 FEDERAL COM	11H

OGRID No.	Operator Name	Ground Level Elevation
162683	CIMAREX ENERGY CO. OF COLORADO	3,300.4'

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		424 NORTH	1,899 WEST	32.121434°	-104.265875°	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude (NAD 83)	Longitude (NAD 83)	County
M	35	25S	26E		100 SOUTH	330 WEST	32.079303°	-104.271291°	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
D	23	25S	26E		100 NORTH	330 WEST	32.122279°	-104.270945°	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
D	23	25S	26E		100 NORTH	330 WEST	32.122279°	-104.270945°	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
M	35	25S	26E		100 SOUTH	330 WEST	32.079303°	-104.271291°	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
N/A	☑ Horizontal ☐ Vertical	3,300.4'

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

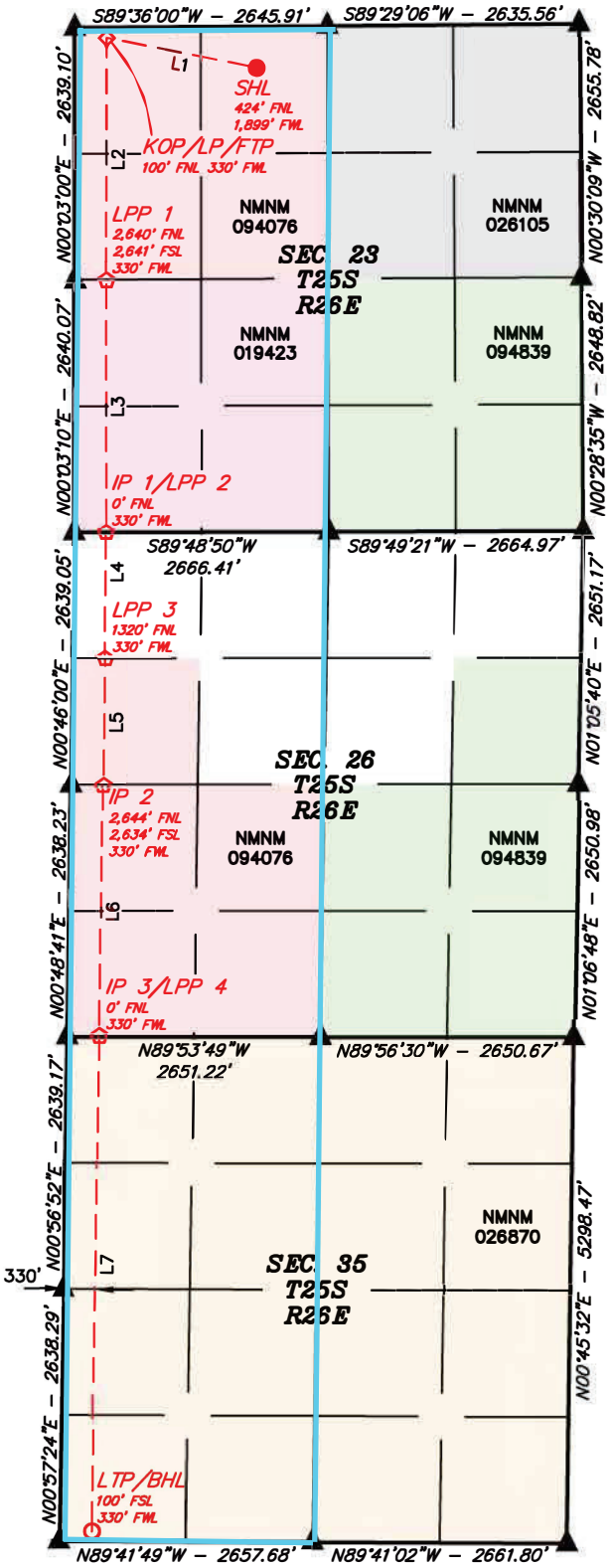
Signature and Seal of Professional Surveyor

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	11H	L.T.T. 10-23-25	

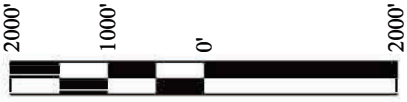


● = SURFACE HOLE LOCATION
◇ = KICK OFF POINT/LANDING POINT/FIRST TAKE POINT
⬠ = LEASE PENETRATION POINT/ INFLECTION POINT
○ = LAST TAKE POINT/ BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED

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	N78°42'45"W	1599.85'
L2	S00°03'05"W	2539.81'
L3	S00°03'05"W	2640.58'
L4	S00°45'57"W	1319.91'
L5	S00°45'57"W	1324.76'
L6	S00°48'41"W	2634.28'
L7	S00°57'07"W	5178.61'

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'17.16" (32.121434°)
LONGITUDE = -104°15'57.15" (-104.265875°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°07'16.73" (32.121314°)
LONGITUDE = -104°15'55.36" (-104.265377°)
STATE PLANE NAD 83 (N.M. EAST)
N: 407920.21' E: 562221.12'
STATE PLANE NAD 27 (N.M. EAST)
N: 407863.08' E: 521038.19'
NAD 83 (KOP/LP/FTP)
LATITUDE = 32°07'20.20" (32.122279°)
LONGITUDE = -104°16'15.40" (-104.270945°)
NAD 27 (KOP/LP/FTP)
LATITUDE = 32°07'19.77" (32.122159°)
LONGITUDE = -104°16'13.61" (-104.270448°)
STATE PLANE NAD 83 (N.M. EAST)
N: 408226.73' E: 560651.30'
STATE PLANE NAD 27 (N.M. EAST)
N: 408169.62' E: 519468.39'
NAD 83 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'55.08" (32.115299°)
LONGITUDE = -104°16'15.32" (-104.270923°)
NAD 27 (LEASE PENETRATION POINT 1)
LATITUDE = 32°06'54.64" (32.115179°)
LONGITUDE = -104°16'13.53" (-104.270426°)
STATE PLANE NAD 83 (N.M. EAST)
N: 405687.54' E: 560659.63'
STATE PLANE NAD 27 (N.M. EAST)
N: 405630.47' E: 519476.67'
NAD 83 (IP 1/LPP 2)
LATITUDE = 32°06'28.95" (32.108042°)
LONGITUDE = -104°16'15.24" (-104.270900°)
NAD 27 (IP 1/LPP 2)
LATITUDE = 32°06'28.52" (32.107922°)
LONGITUDE = -104°16'13.45" (-104.270403°)
STATE PLANE NAD 83 (N.M. EAST)
N: 403047.60' E: 560668.28'
STATE PLANE NAD 27 (N.M. EAST)
N: 402990.58' E: 519485.29'
NAD 83 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'15.89" (32.104414°)
LONGITUDE = -104°16'15.39" (-104.270942°)
NAD 27 (LEASE PENETRATION POINT 3)
LATITUDE = 32°06'15.46" (32.104294°)
LONGITUDE = -104°16'13.60" (-104.270444°)
STATE PLANE NAD 83 (N.M. EAST)
N: 401728.07' E: 560656.15'
STATE PLANE NAD 27 (N.M. EAST)
N: 401671.07' E: 519473.14'
NAD 83 (INFLECTION POINT 2)
LATITUDE = 32°06'02.79" (32.100774°)
LONGITUDE = -104°16'15.54" (-104.270984°)
NAD 27 (INFLECTION POINT 2)
LATITUDE = 32°06'02.35" (32.100654°)
LONGITUDE = -104°16'13.75" (-104.270486°)
STATE PLANE NAD 83 (N.M. EAST)
N: 400403.67' E: 560643.98'
STATE PLANE NAD 27 (N.M. EAST)
N: 400346.70' E: 519460.95'
NAD 83 (IP 3/LPP 4)
LATITUDE = 32°05'36.72" (32.093534°)
LONGITUDE = -104°16'15.86" (-104.271074°)
NAD 27 (IP 3/LPP 4)
LATITUDE = 32°05'36.29" (32.093414°)
LONGITUDE = -104°16'14.07" (-104.270576°)
STATE PLANE NAD 83 (N.M. EAST)
N: 397770.16' E: 560617.68'
STATE PLANE NAD 27 (N.M. EAST)
N: 397713.23' E: 519434.61'
NAD 83 (LTP/BHL)
LATITUDE = 32°04'45.49" (32.079303°)
LONGITUDE = -104°16'16.65" (-104.271291°)
NAD 27 (LTP/BHL)
LATITUDE = 32°04'45.06" (32.079183°)
LONGITUDE = -104°16'14.86" (-104.270794°)
STATE PLANE NAD 83 (N.M. EAST)
N: 392593.19' E: 560553.25'
STATE PLANE NAD 27 (N.M. EAST)
N: 392536.36' E: 519370.10'



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: 565159
	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

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

CONDITIONS

Operator:	OGRID:
Coterra Energy Operating Co. 6001 Deauville Blvd Midland, TX 79706	215099
	Action Number: 565159
	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