



Site Specific Final Reclamation Completion Notice – Cropland Drone Imagery

Permit Closure Report – Cropland

Location ID: 306705

Location Name: ROTHE-65N63W/29SESW

Report Date:

11/11/2024

H2E has conducted a thorough review of the data provided in this report. This report was developed in accordance with ECMC Operator Guidance – Operator supplied cropland drone imagery and information for submitting a final reclamation completion notice.

Crop Year and Type

Crop 2024 – Corn

Crop 2023 – Corn

Inspection:

Performed by	H2E Inc.
Date	9/12/2024

All pertinent data, imagery, and materials are included at the end of this report.

Location Checklist



Operator / #	PDC Energy - 69175		
Name / Location ID	ROTHE-65N63W/29SESW		
County	Weld		
Well Information	Well Name: ROTHE #24-29U		
	Well API #: 05-123-25137		
	Lat/Long As Drilled: 40.365060 / -104.462420		
	Plug date & Form 6S Doc. #: 12/2/2019 - 402273368		
Facility Entities		Tank Battery	Pits
	X	Wells	On-Location Flowlines (Form 42): Doc. #
		Domestic Taps	X Off-Location Flowlines (Form 44): Doc. #403906917
Equipment on Site	X	None	Debris
		Pit mouse/rat holes, cellars backfilled	
Access Road	X	Regraded	X Contoured
		Culverts removed	Gravel removed
		Pre-existing: must provide supporting documentation	
Reclamation Status	X	Location and associated disturbances reclaimed	
		Subsidence	
Spills or Releases (Form 19)	X	No	Yes
Remediation (Form 27/27A)	X	No	Yes
On-Location Flowlines	X	No	Yes
Off-Location Flowlines		No	X Yes
Inspection Corrective Actions		No	X Yes
Sundry Notice (Form 4)	No Sundry Notice was identified pertaining to series 900-1200 rules.		
Drone Information	Make & Model: DJI M300		
	Image Processing Software: Pix4Dmapper		
	Pilot Name & FAA Certificate #: Peter Nelson - 4974559		
	Date of FAA Certificate Issuance: 3/19/2024		



Designated Land Use Observations

Previous Land Use	Current Land Use
Reference Imagery for Infrastructure: NAIP 2015	Remotely Sensed Imagery: 9/12/2024
Designation: Oil and Gas Facility	Designation: Cropland

The following imagery sources were reviewed during this investigation:

NAIP Imagery from 2015, 2023, and historic Google Earth imagery from 1985-2023.

Site Observation Notes

No Additional Information

Closure Information

This final reclamation completion notice is intended to close the ROTHE-65N63W/29SESW location which consists of the ROTHE #24-29U (API # 05-123-25137) wellhead. This wellhead does not share a disturbance with any other wells or tank batteries. The associated tank battery has its own location ID (302303) which will remain open until final reclamation has been achieved.

The ROTHE-65N63W/29SESW location is in Weld County, Colorado east of County Road 63 and north of County Road 52. There is one off location flowline associated with this well that transported crude oil to the associated tank battery. The flowline was flushed and capped on 12/2/2019.

ROTHE #24-29U was reclaimed and returned to the landowner for agricultural use in 2020. The wellhead was accessed from an unpaved access road starting at County Road 52. The southern half of the access road was re-purposed for a PDC well pad in 2015 which still existed at the time of H2E's final reclamation inspection..

No spills or remediation projects were associated with this well pad.

One corrective action (CA) was identified during the records review. This CA was identified during an inspection on 8/6/2024 by Dylan Edwardson and stated that the pad and access road appear to meet final reclamation criteria, but the operator needs to file a Form 44 to register the off-location flowline. The CA mentioned above was addressed when the operator filed the Form 44 for this location (Doc # 403906917) on 8/30/2024. A follow up inspection on 9/26/2024 by Bret Evins indicates that no follow up inspection is required.

Drone imagery confirms that no equipment was left on site at this location after reclamation activities occurred.



Summary Acreage Table

Description	Acres
Historic Disturbance Extent	0.25
Access Road	0.06
Flowline	Not Included
Tank Battery	Not Included
Well Pad	0.19

Location Summary



Name	ROTHE-65N63W/29SESW		
Type	Wellhead		
Location ID	306705		
Operator / #	PDC Energy - 69175		
Field	Wattenberg		
County, State	Weld, Colorado		
Lat/Long	40.365060 / -104.462420		
	<input type="checkbox"/>	Planned Location	<input checked="" type="checkbox"/> As Drilled
Location	SESW 29 5N63W 6		
Location Status - Date	CL - 1/16/2020		
Facility Entities	<input checked="" type="checkbox"/>	Tank Battery	<input type="checkbox"/> Pits
	<input type="checkbox"/>	Wells	<input checked="" type="checkbox"/> Off-Location Flowlines (Form 44)
	<input type="checkbox"/>	Domestic Taps	<input type="checkbox"/> On-Location Flowlines (Form 42)
	<input type="checkbox"/>	Electric Utilities	<input type="checkbox"/>
Equipment on Site	<input checked="" type="checkbox"/>	No	<input type="checkbox"/> Yes
	If yes, list:		
	<input type="checkbox"/>	Pit mouse/rat holes, cellars backfilled	
Access Road	<input checked="" type="checkbox"/>	Regraded	<input checked="" type="checkbox"/> Contoured
	<input type="checkbox"/>	Culverts Removed	<input type="checkbox"/> Gravel Removed
	<input type="checkbox"/>	Pre-Existing (Must provide supporting documentation):	
Variance Requests	No variances identified		
Sundry Notice (Form 4)	No Sundry Notice was identified pertaining to series 900-1200 rules.		
Off-Location Flowlines (Form 44)	Form 44 Doc # & Date: 403906917 - 8/30/2024		
	Purpose: Flowline Abandonment		
	Abandonment Date: 12/2/2019		
	ECMC Approval Date & Signee: N/A		
	Operator Comments: 05-123-25137 Rothe 24-29U 12/2/2019 Flushed and capped		
	Flowline Facility Information		
	ECMC Flowline ID: 479253		
	Operator Flowline ID: PDC Flowline System		
	Status & Date: Abandoned - 12/2/2019		
	Flowline Type: Wellhead Line		
	Type of Fluids Transported: Produced fluids		
	Start Point Location ID: 306705		
	Start Point Riser Lat/Long: 40.365062 / -104.462408		
	Equipment at Start Point: Wellhead		
	End Point Location ID: 302303		
	End Point Riser Lat/Long: 40.365964 / -104.464517		
Equipment at End Point: Separator			
	Form INSP Doc # & Date: 1) 708201484 - 8/6/2024 2) 707603235 - 9/26/2024		
	Status Summary: 1) FOLLOW UP INSPECTION REQUIRED 2) NO FOLLOW UP INSPECTION REQUIRED		
	Inspected Facilities: 1) WELL, LOCATION 2) WELL		
	Inspection Status: 1) RI 2) PA		
	Inspection Date & Inspector: 1) 8/6/2024 - Edwardson, Dylan 2) 9/26/2024 - Evins, Bret		

<p>Field Inspection Form (Form INSP)</p>	<p>Comments:</p> <p>1) The well location (Location ID 306705 with API 123-25137) meets final reclamation regulations and standards. Unable to find evidence of oil and gas activities and/or disturbances. Well location and access road appear reflective of reference crop areas. Operator is required to submit a Form 44 Off-Location Flowline Abandonment Notice per Rule 1105.f.(2), therefore, this location will remain "In-Process" until ECMC receives the required notice. Refer to attached inspection photos.</p> <p>2) CECMC Inspection Report Synopsis: On THU 09/26/2024 at approximately 14:02 hrs. I, Bret Evins, conducted an onsite inspection at: Operator Name: PDC ENERGY INC, Location Name: ROTHE-65N63W/29SESW, Location ID: 306705, Location County: Weld County, Colorado, Weather: Mostly Sunny, damp from prior storm. While there, I observed: Well(s): 1: Plugged & Abandoned PA.; Battery: Abandoned. ALL equipment has been removed. Abandoned Battery SE corner GPS coordinates: 40.366201 / -104.464366. WELL STATUS COMMENT: Plugged & Abandoned PA. Form 6-SRA on file. Plugging, cut/cap date: 12/02/2019. Approved. Plugged & Abandoned PA well GPS coordinates: 40.365060 / -104.462420. Routine inspection. *Any Corrective Actions from prior inspections that have not been addressed remain applicable.</p>		
<p>Inspection Corrective Actions (CAs)</p>	<p>44 for the Off-Location Flowline. A Form 44 was submitted to ECMC on 8/30/2024.</p>		
<p>Environmental Incidents & Remediation</p>	<p>X None</p>		<p>Spill or Release (Form 19)</p>
<p>COGIS Tank Location Information (Scout Card)</p>	<p>Tank Battery Name: ROTHE-65N63W/29SESW</p> <p>Location ID: 306705</p> <p>Status & Date: CL - 1/16/2020</p> <p>Lat/Long: 40.365050 / -104.462420</p> <p>Notes: N/A</p> <p>Form 4 Doc # & Date: N/A</p> <p>Purpose: N/A</p>		
<p>COGIS Well Information (Scout Card)</p>	<p>Well Name: ROTHE #24-29U</p> <p>Facility ID: 290570</p> <p>Status & Date: PA - 1/16/2020</p> <p>Lat/Long: 40.365060 / -104.462420</p> <p>Notes: N/A</p> <p>Form 4 Doc # & Date: N/A</p> <p>Purpose: N/A</p>		

Pre-Plugging Active Operations Location Overview



PDC Form 4 Final Reclamation - Pre Plugging Overview

Rothe 24-29U

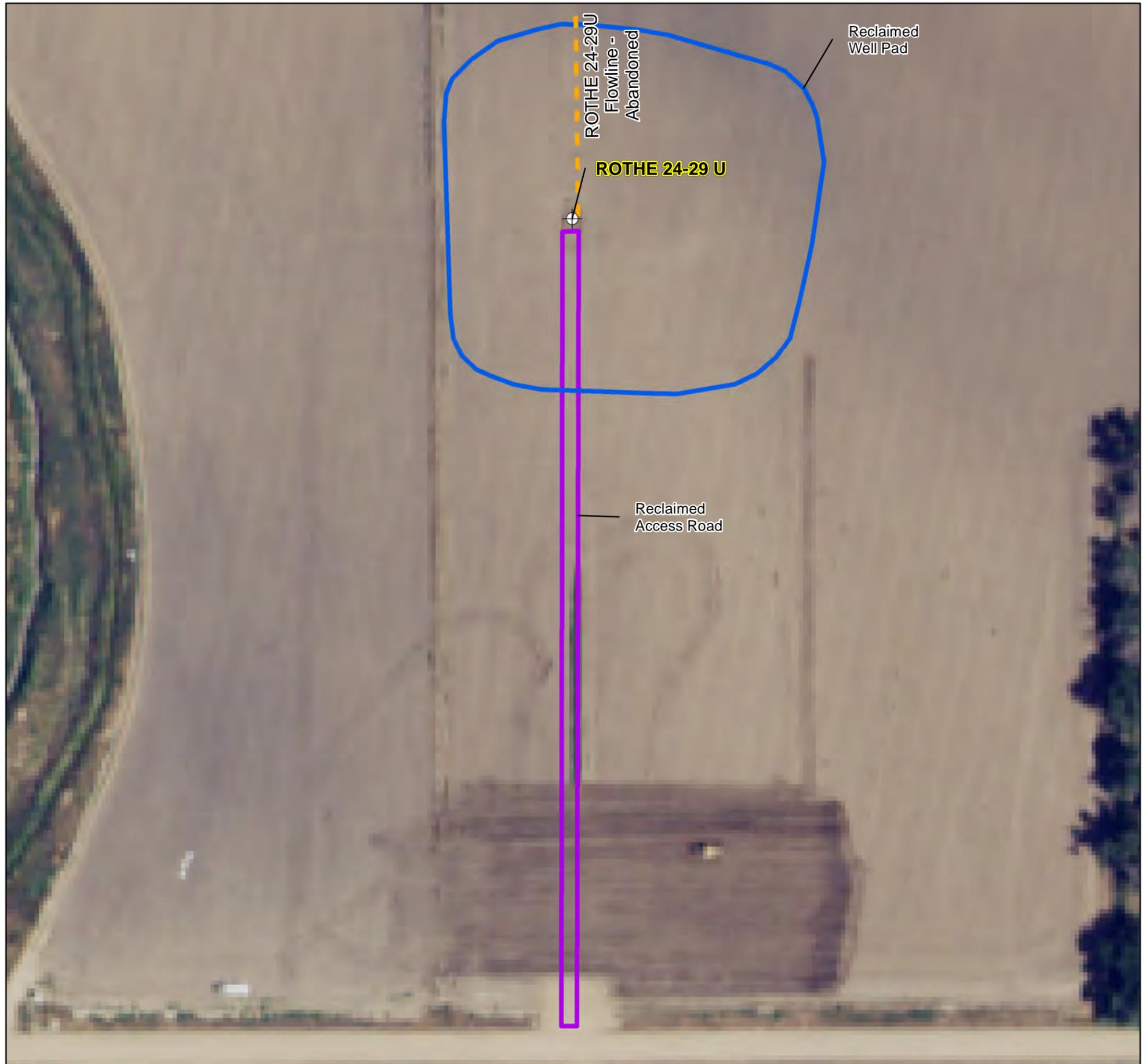
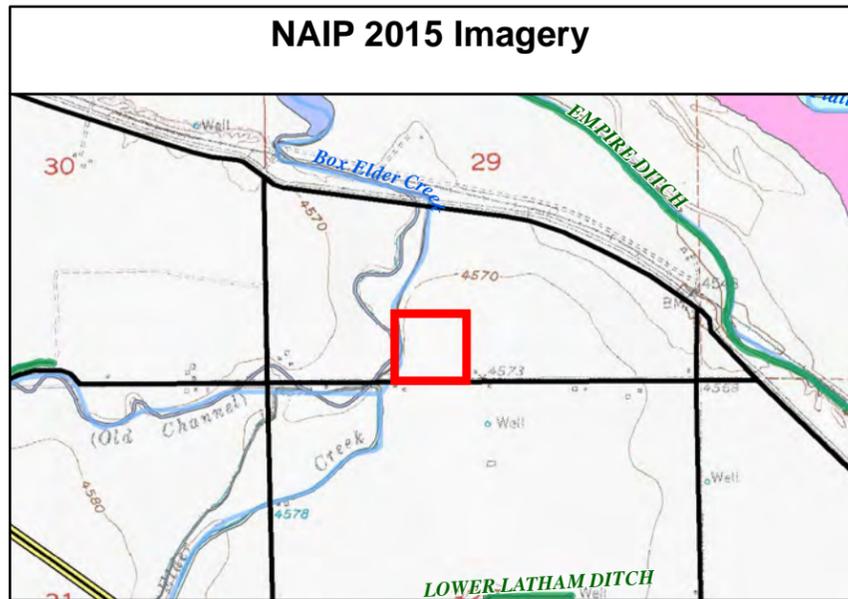


Prepared by:
Scale: 1:1,000
Date: 11/13/2024

Editor: CDenison
File: PDC_Drone_Rec_PrePlugging_DDP

- Well Head
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Abandoned

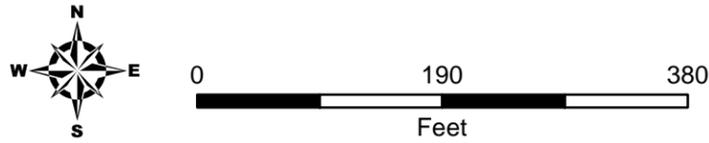
NAIP 2015 Imagery





PDC Form 4 Final Reclamation - Pre Plugging Overview

Rothe 24-29U

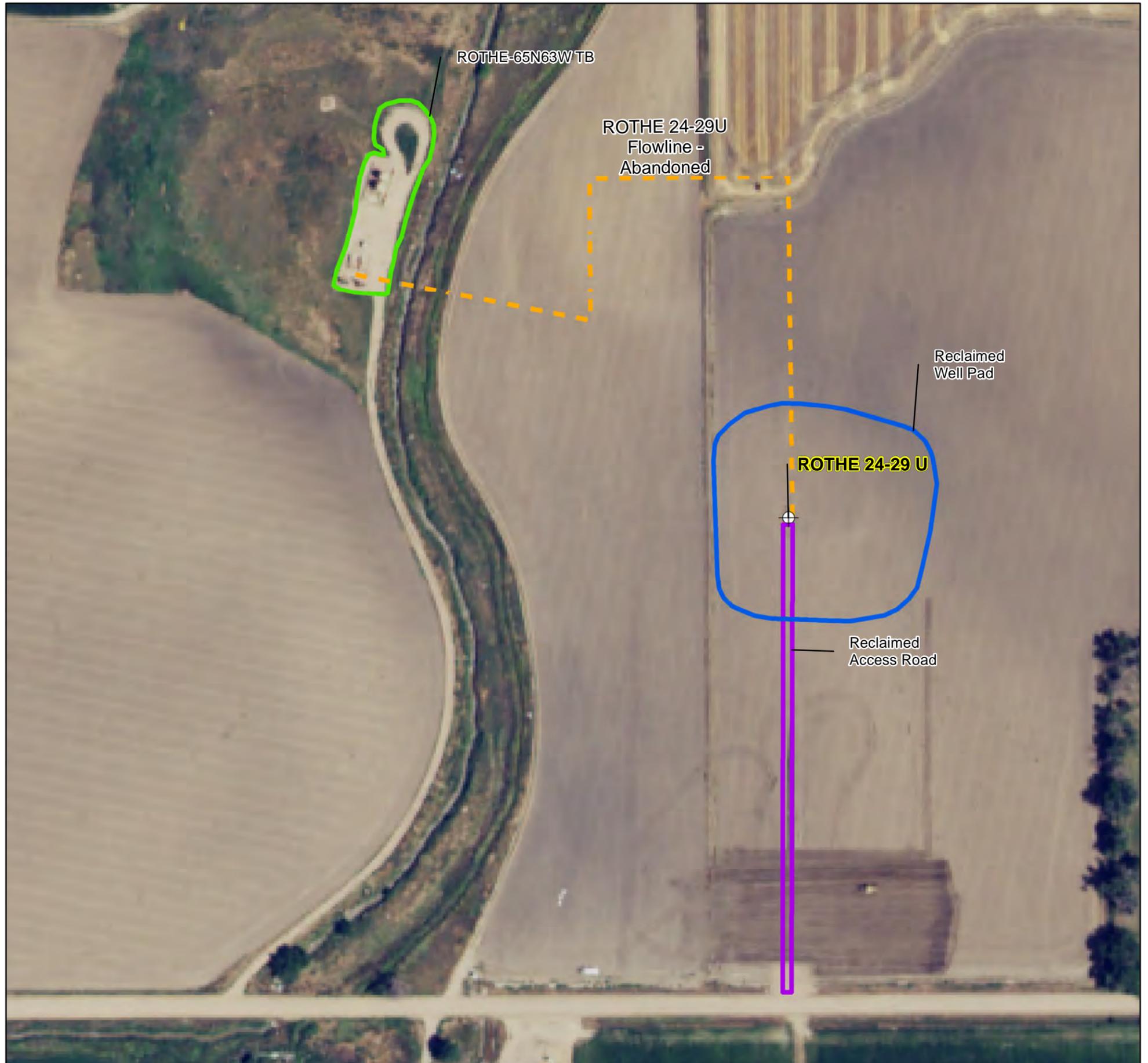
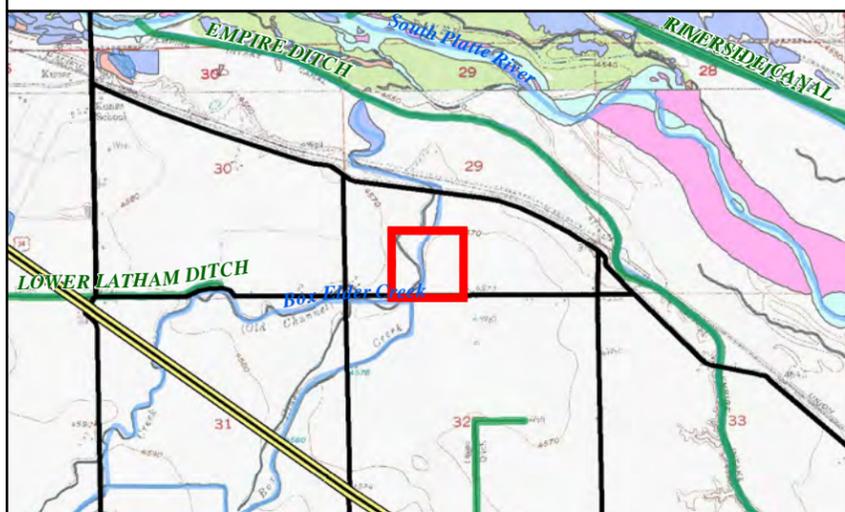


Editor: CDenison
File: PDC_Drone_Rec_PrePlugging_DDP

Scale: 1:1,700
Date: 11/13/2024

- Well Head
- Reclaimed Tank Battery Disturbance
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Abandoned

NAIP 2015 Imagery

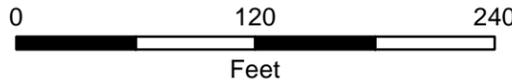


Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

Rothe 24-29U

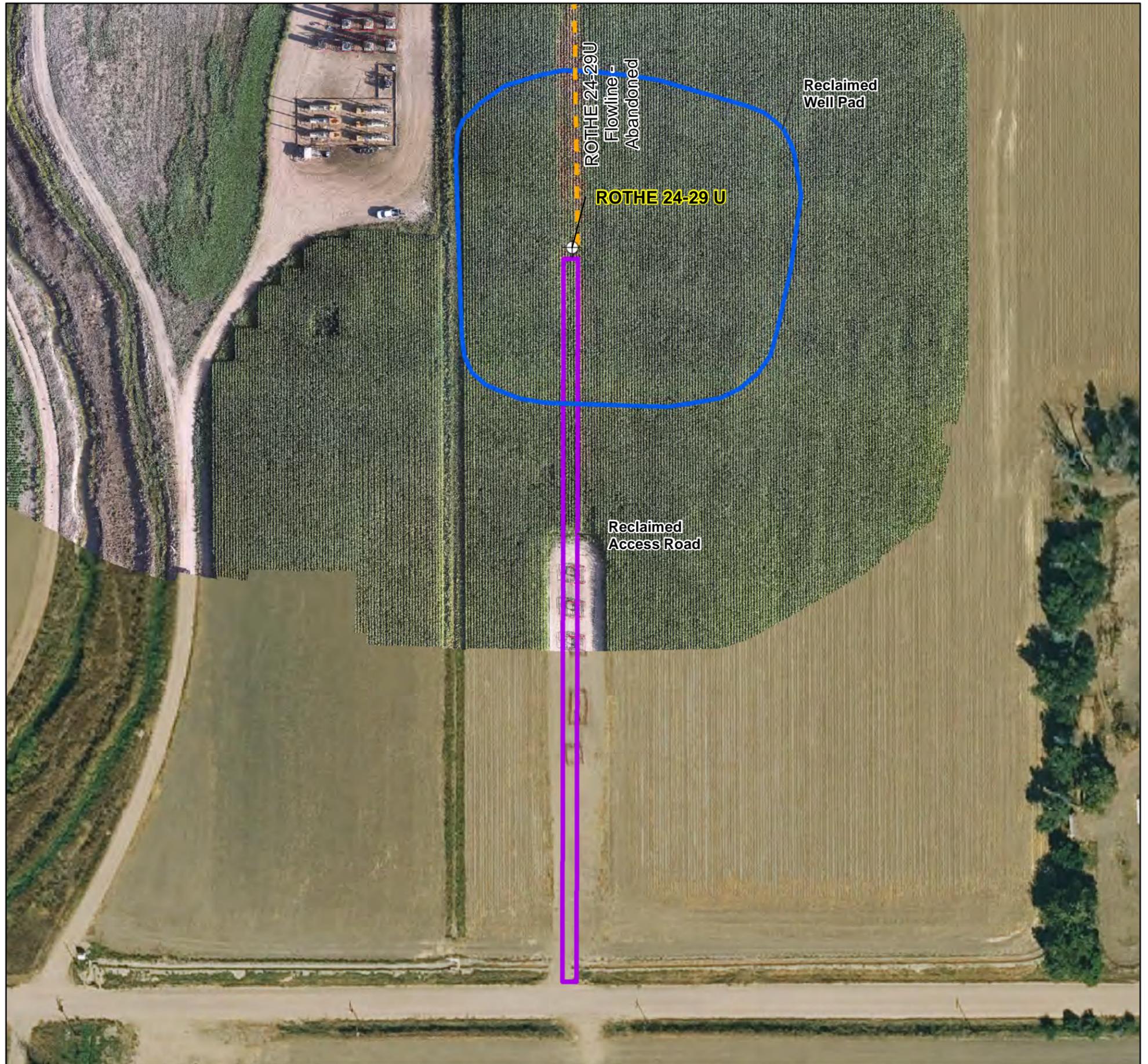
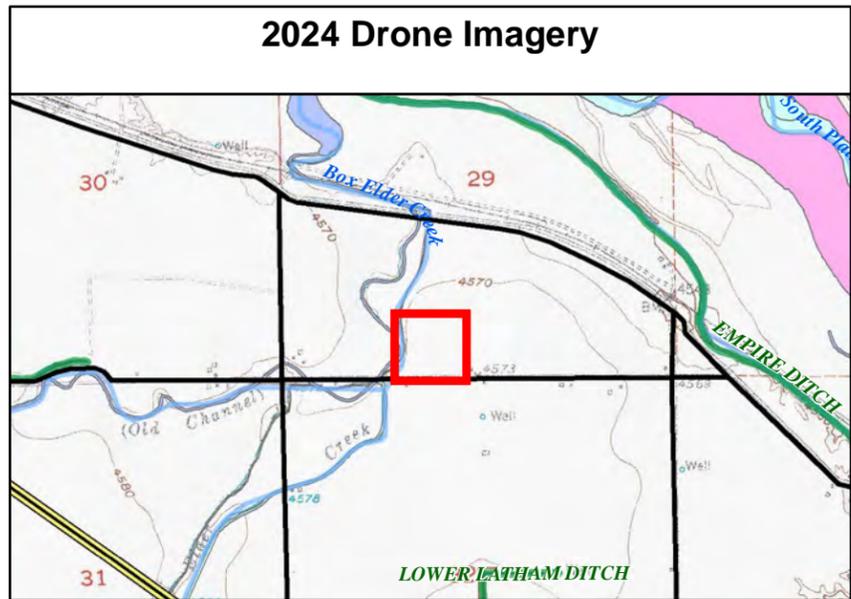


Prepared by:
Scale: 1:1,100
Date: 11/13/2024

Editor: CDenison
File: PDC_Drone_Rec_PostPlugging_DDP

- Well Head
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Abandoned

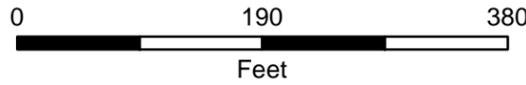
2024 Drone Imagery





PDC Form 4 Final Reclamation - Post Plugging Overview

Rothe 24-29U

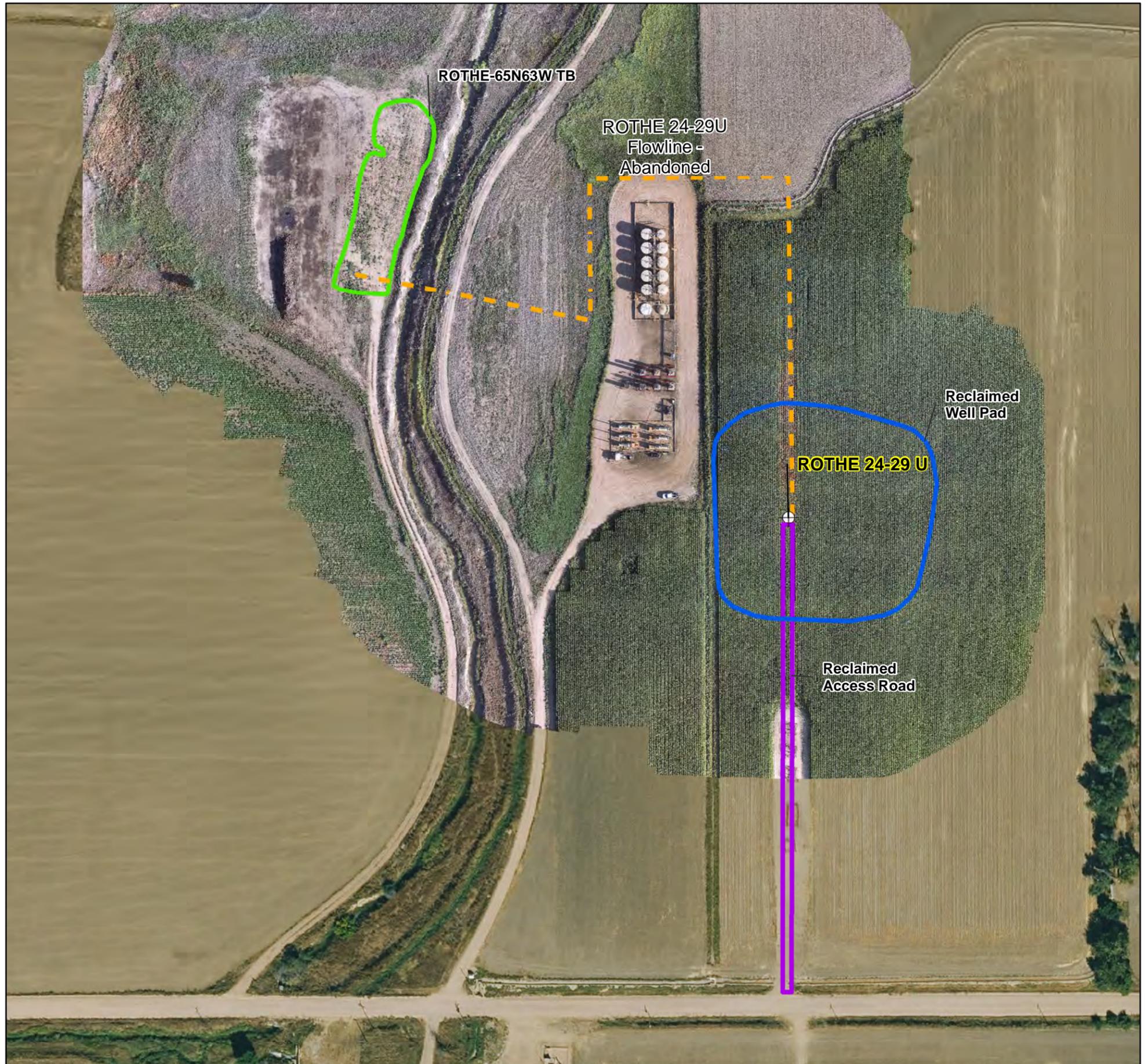
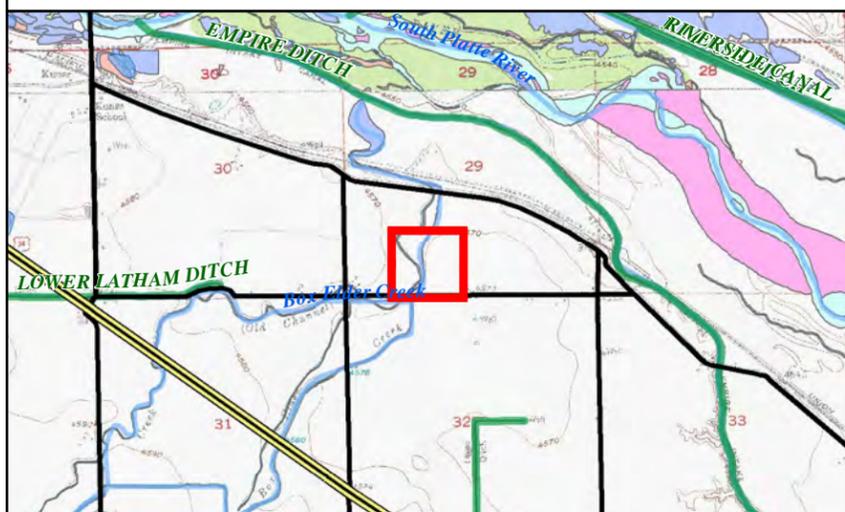


Prepared by:
Scale: 1:1,700
Date: 11/13/2024

Editor: CDenison
File: PDC_Drone_Rec_PostPlugging_DDP

- Well Head
- Reclaimed Tank Battery Disturbance
- Reclaimed Well Pad Disturbance
- Reclaimed Access Road Disturbance
- Flowline - Abandoned

2024 Drone Imagery



Cardinal Direction Drone Photos of the Reclaimed Area

Photo Dates:

9/12/2024

Drone Photo Height:

85'

South of Disturbance Facing North
Lat/Long: 40.36460014 / -104.46246058



North of Disturbance Facing South
Lat/Long: 40.36551972 / -104.46245797



West of Disturbance Facing East
Lat/Long: 40.36510031 / -104.46300975



East of Disturbance Facing West
Lat/Long: 40.36508411 / -104.46181858



Cardinal Direction Drone Photos of the Reference Area

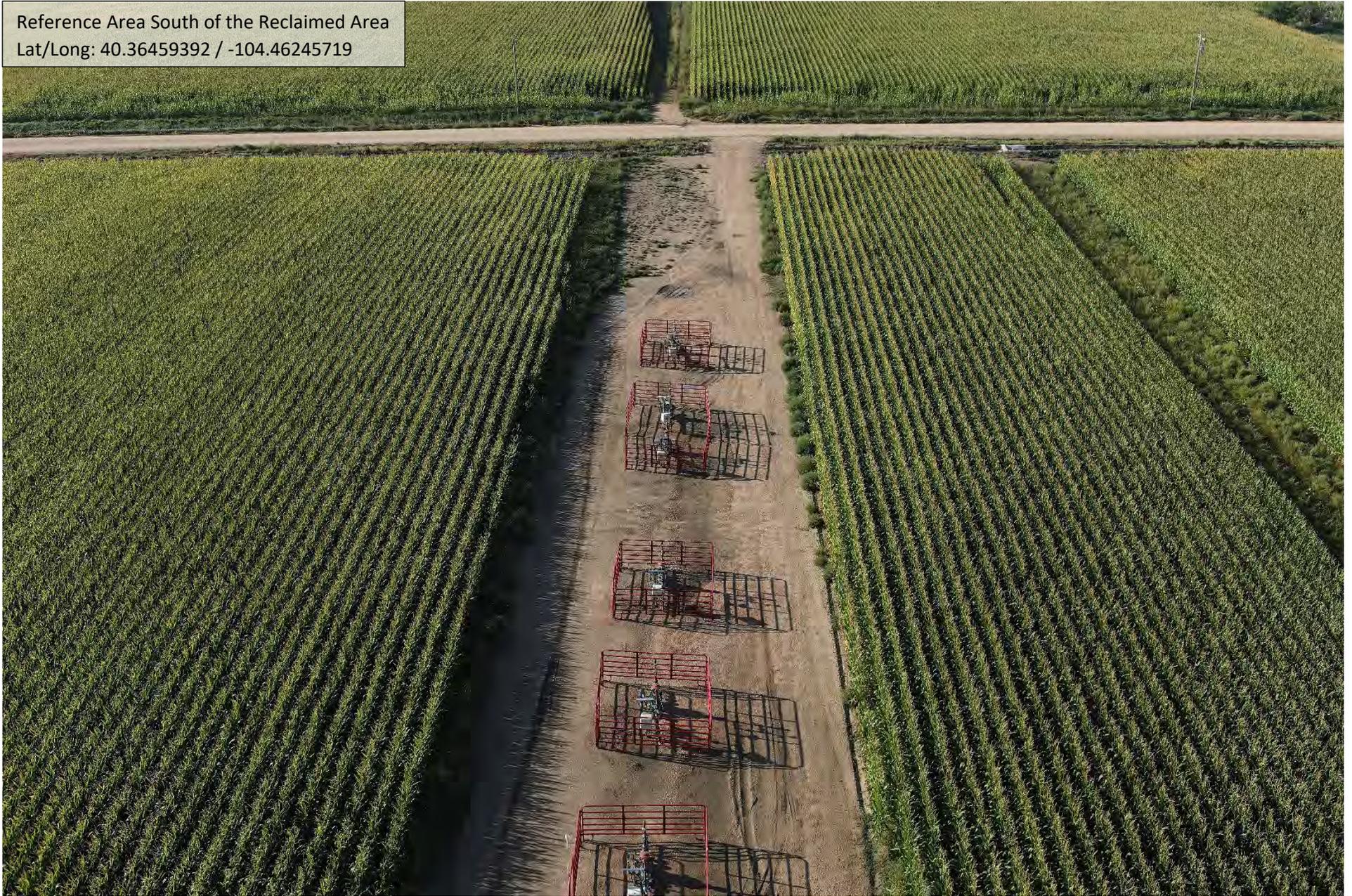
Photo Dates:

9/12/2024

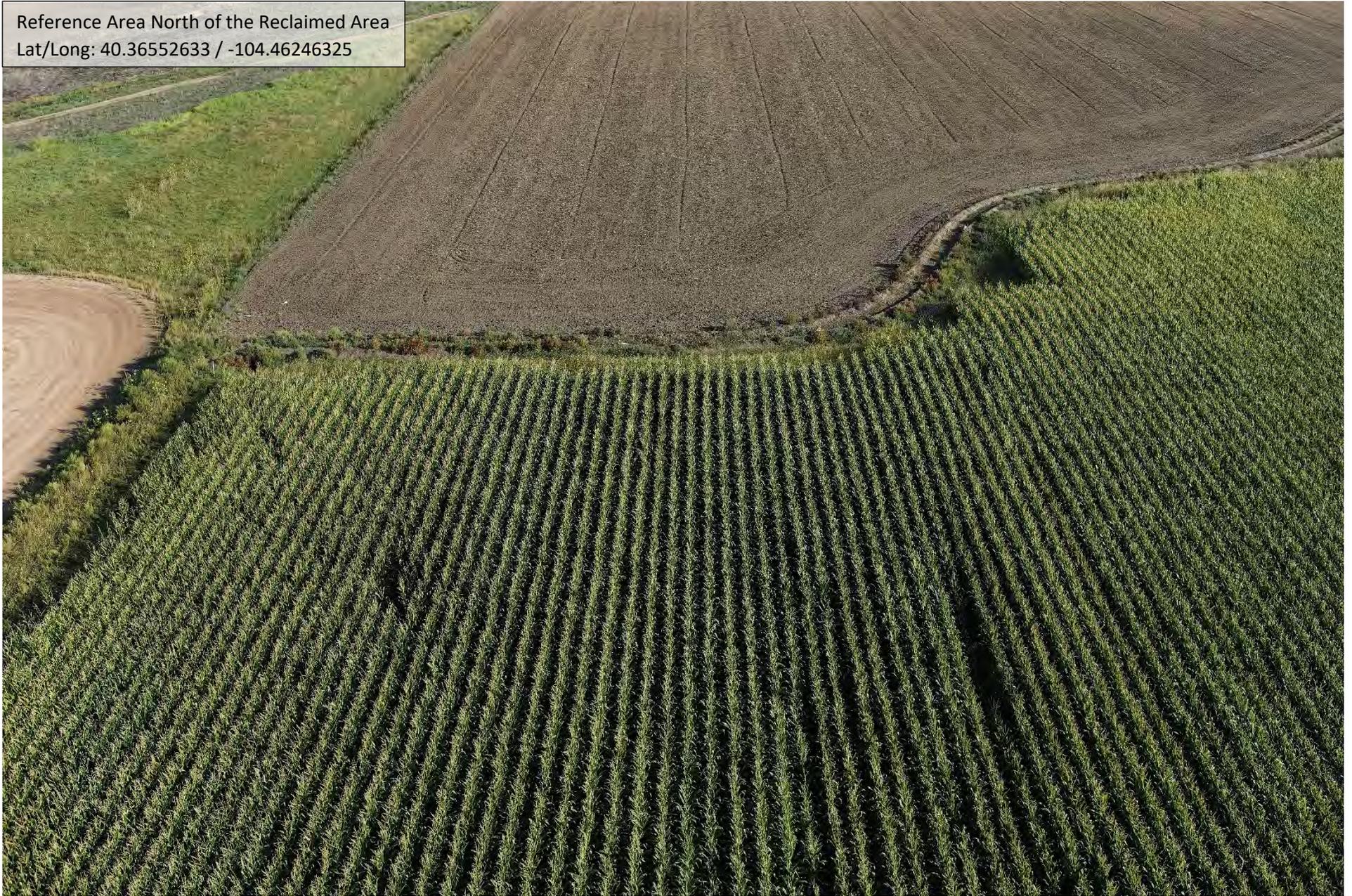
Drone Photo Height:

85'

Reference Area South of the Reclaimed Area
Lat/Long: 40.36459392 / -104.46245719



Reference Area North of the Reclaimed Area
Lat/Long: 40.36552633 / -104.46246325



Reference Area West of the Reclaimed Area
Lat/Long: 40.36510072 / -104.46302000



Reference Area East of the Reclaimed Area
Lat/Long: 104.46302000 / -104.46187181



Reference Photo for Cropland Growth Stage

Cropland Reference Photo (Corn)
Lat/Long: 40.36515000 / -104.46289500

