



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	ROTHER-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

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			
		Planned Location	X	As Drilled
Location	SESW 29 5N63W 6			
Location Status - Date	CL - 1/16/2020			
Facility Entities	X	Tank Battery		Pits
		Wells	X	Off-Location Flowlines (Form 44)
		Domestic Taps		On-Location Flowlines (Form 42)
		Electric Utilities		
Equipment on Site	X	No		Yes
	If yes, list:			
		Pit mouse/rat holes, cellars backfilled		
Access Road	X	Regraded	X	Contoured
		Culverts Removed		Gravel Removed
		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			

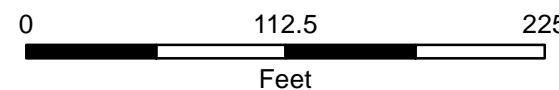
<p>Field Inspection Form (Form INSP)</p>	<p>Comments:</p> <p>1) The well location (Location ID 306705 with API 123-25137) meets final reclamation regulations and standards. Unable to find evidence of oil and gas activities and/or disturbances. Well location and access road appear reflective of reference 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</p>	<p>None</p>	<p>Spill or Release (Form 19)</p>
<p>COGIS Tank Location Information (Scout Card)</p>	<p>Tank Battery Name: ROTHE-65N63W/29SESW Location ID: 306705 Status & Date: CL - 1/16/2020 Lat/Long: 40.365050 / -104.462420 Notes: N/A Form 4 Doc # & Date: N/A Purpose: N/A</p>		
<p>COGIS Well Information (Scout Card)</p>	<p>Well Name: ROTHE #24-29U Facility ID: 290570 Status & Date: PA - 1/16/2020 Lat/Long: 40.365060 / -104.462420 Notes: N/A Form 4 Doc # & Date: N/A Purpose: N/A</p>		

Pre-Plugging Active Operations Location Overview



PDC Form 4 Final Reclamation - Pre Plugging Overview

Rothe 24-29U



Prepared by:



Editor: CDenison

File: PDC_Drone_Rec_PrePlugging_DDP

Scale:1:1,000

Date: 11/13/2024

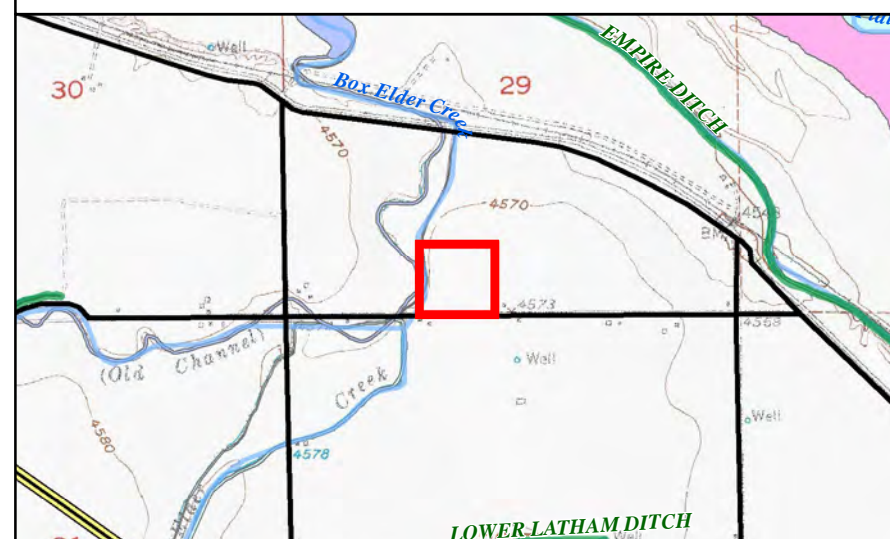
⊕ Well Head

▬ Reclaimed Well Pad Disturbance

▬ Reclaimed Access Road Disturbance

— Flowline - Abandoned

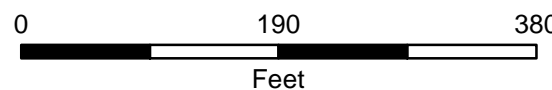
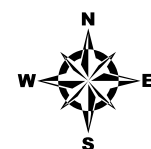
NAIP 2015 Imagery





PDC Form 4 Final Reclamation - Pre Plugging Overview

Rothe 24-29U



Prepared by:



Editor: CDenison

File: PDC_Drone_Rec_PrePlugging_DDP

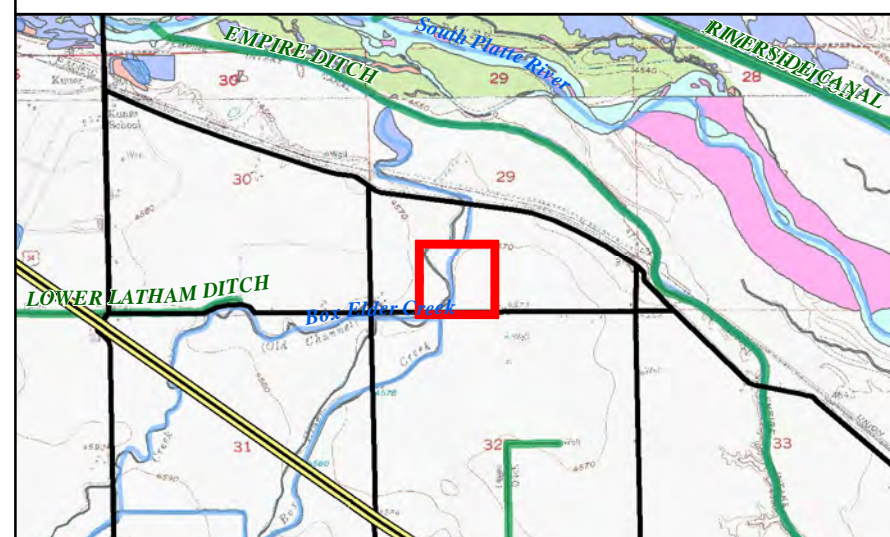
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Date: 11/13/2024

⊕ Well Head

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

NAIP 2015 Imagery

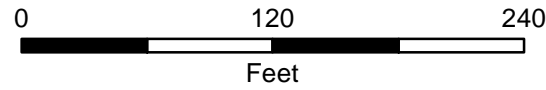
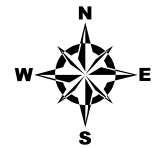


Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

Rothe 24-29U



Prepared by:






Editor: CDenison

File: PDC_Drone_Rec_PostPlugging_DDP

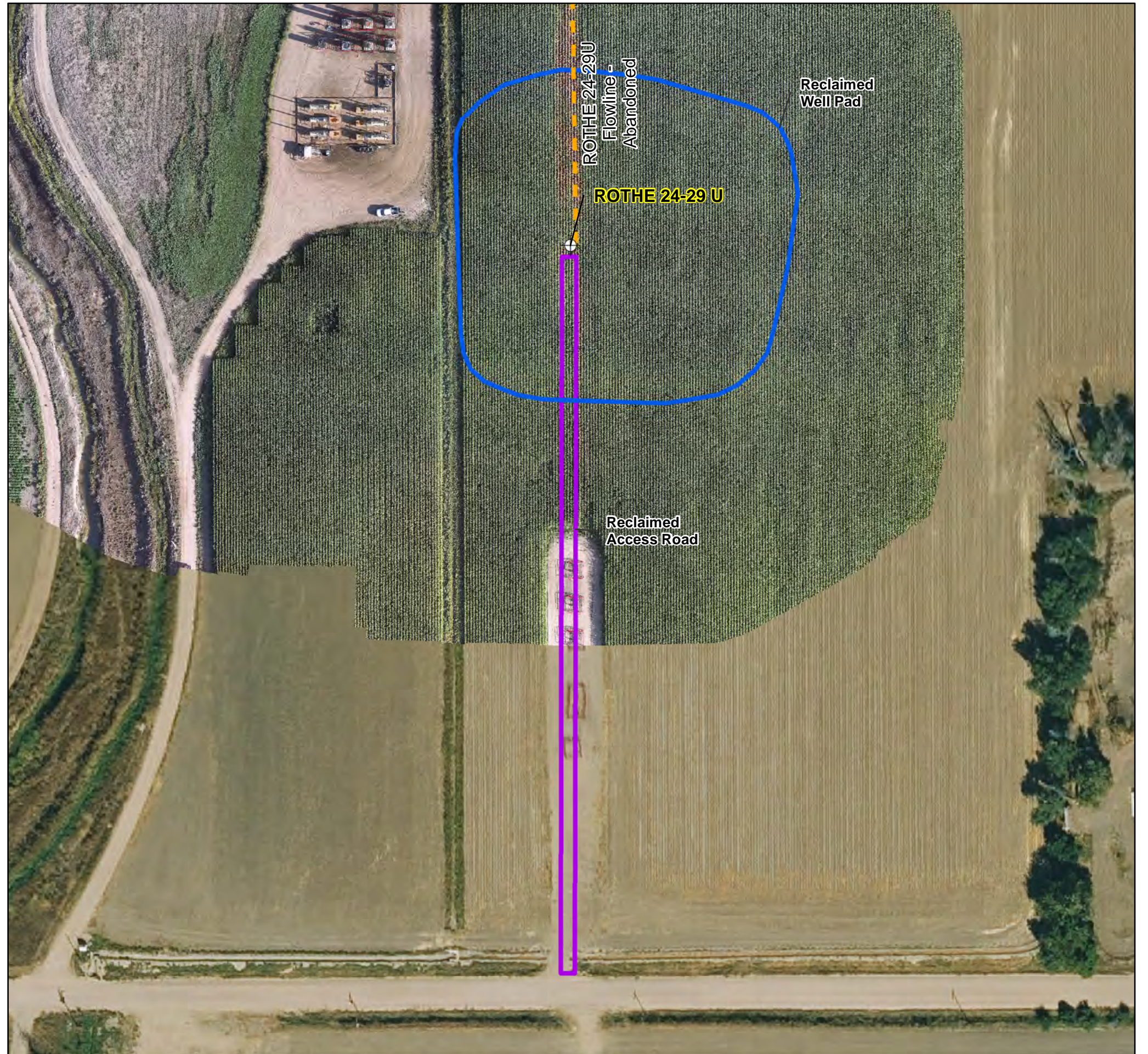
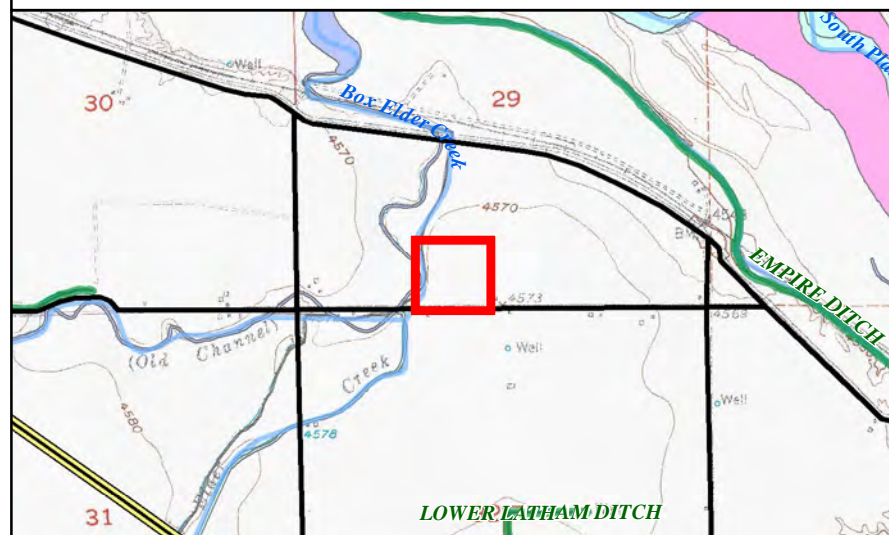
Scale: 1:1,100

Date: 11/13/2024

⊕ Well Head

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

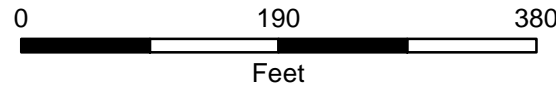
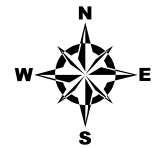
2024 Drone Imagery





PDC Form 4 Final Reclamation - Post Plugging Overview

Rothe 24-29U



Prepared by:

Editor: CDenison

File: PDC_Drone_Rec_PostPlugging_DDP

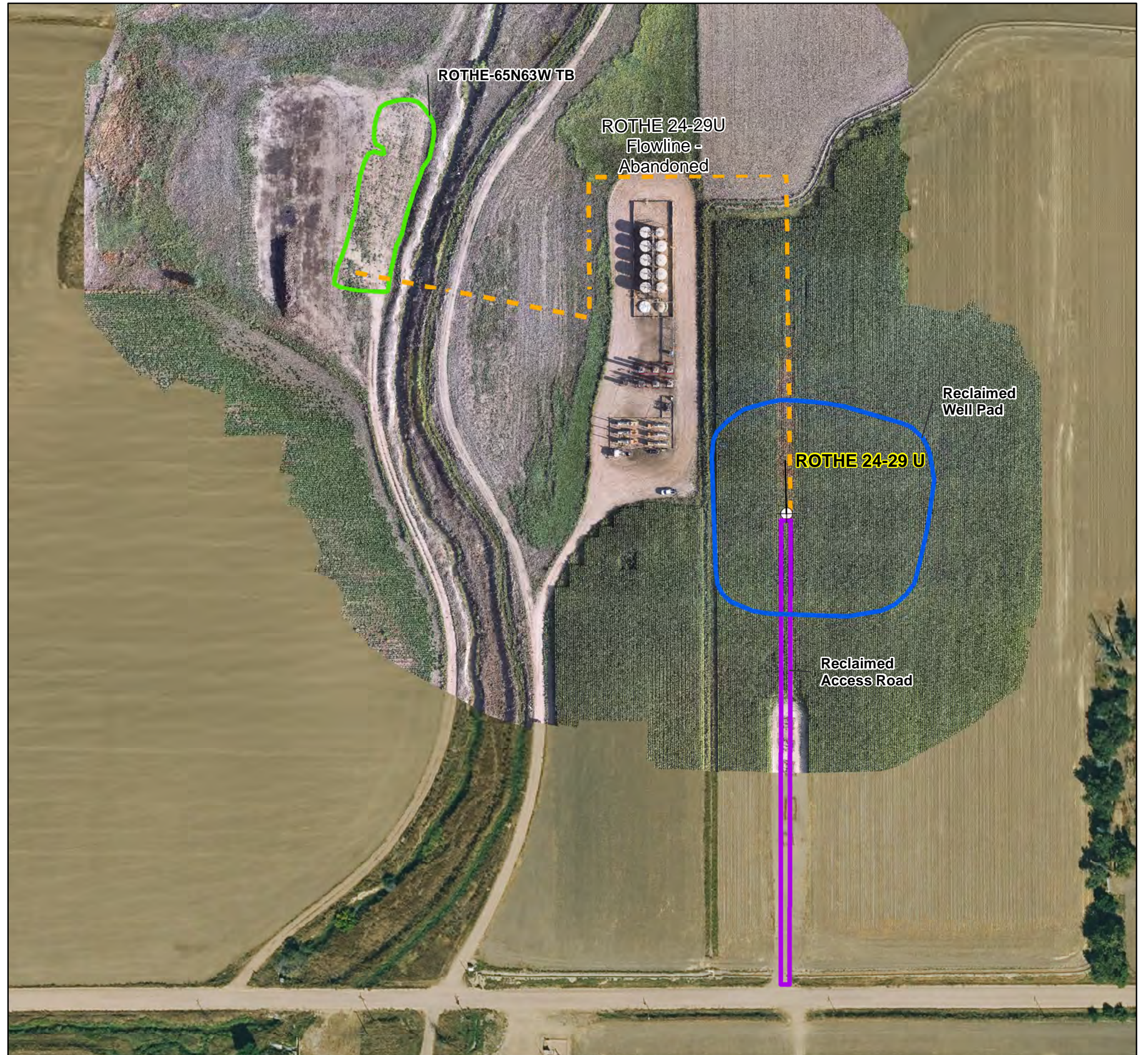
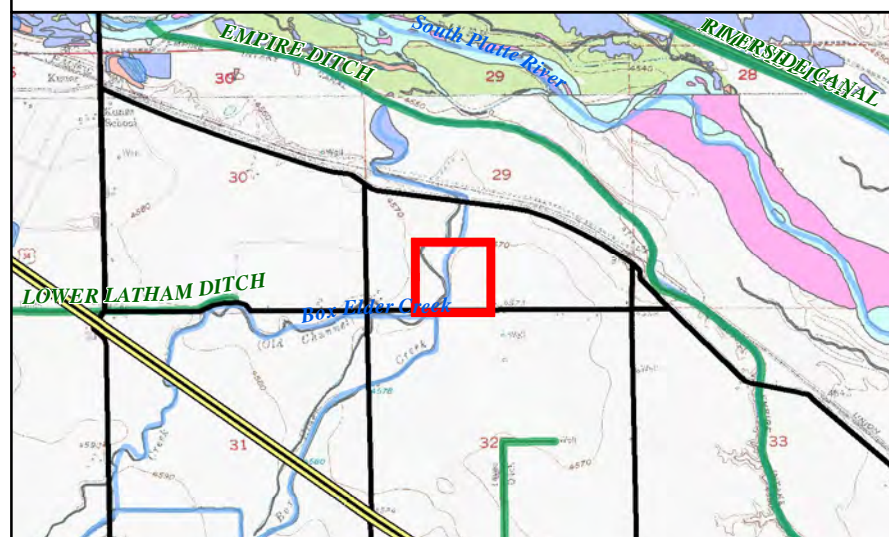
Scale: 1:1,700

Date: 11/13/2024

⊕ Well Head

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

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

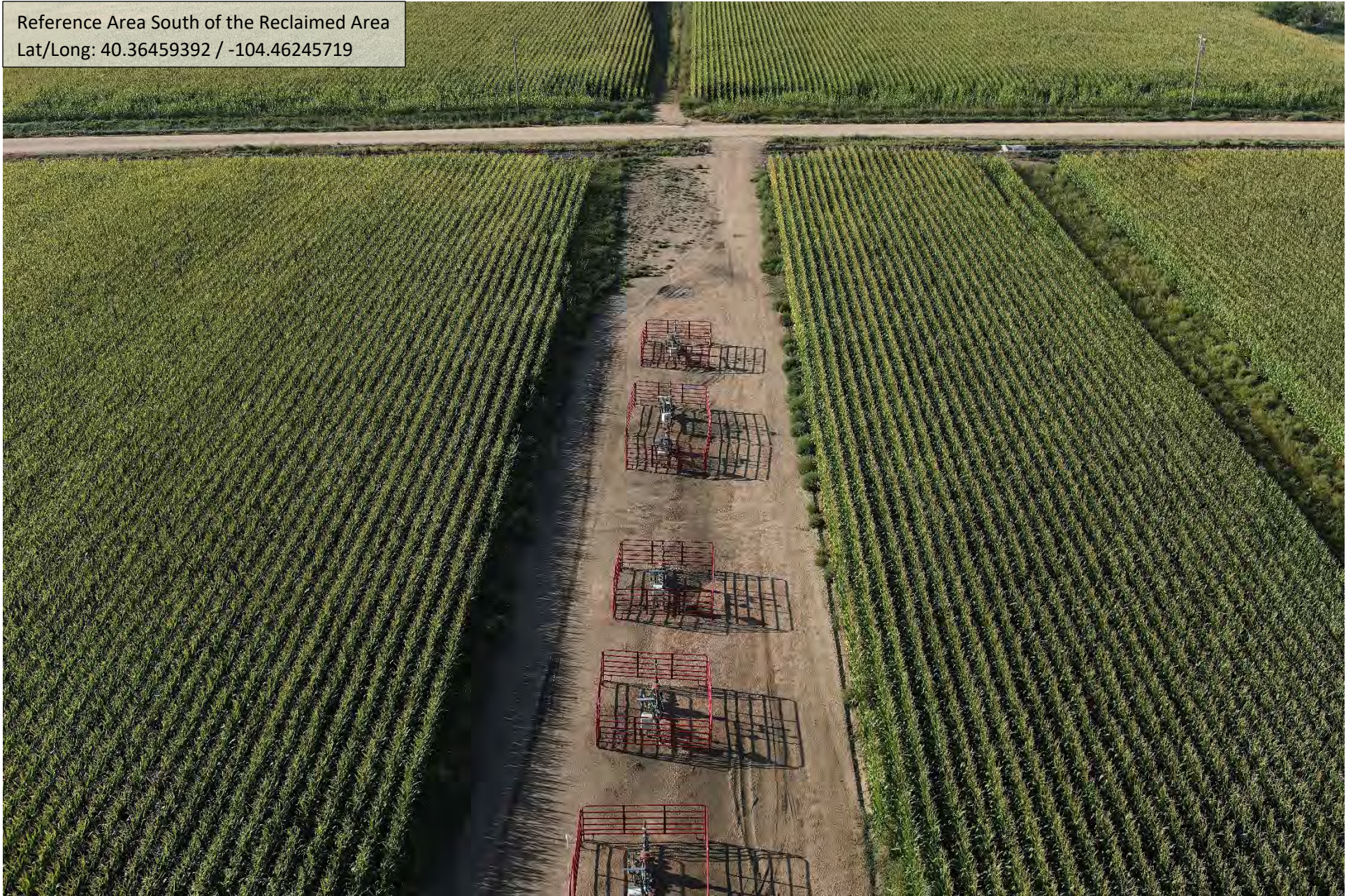
Photo Dates:

9/12/2024

Drone Photo Height:

85'

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



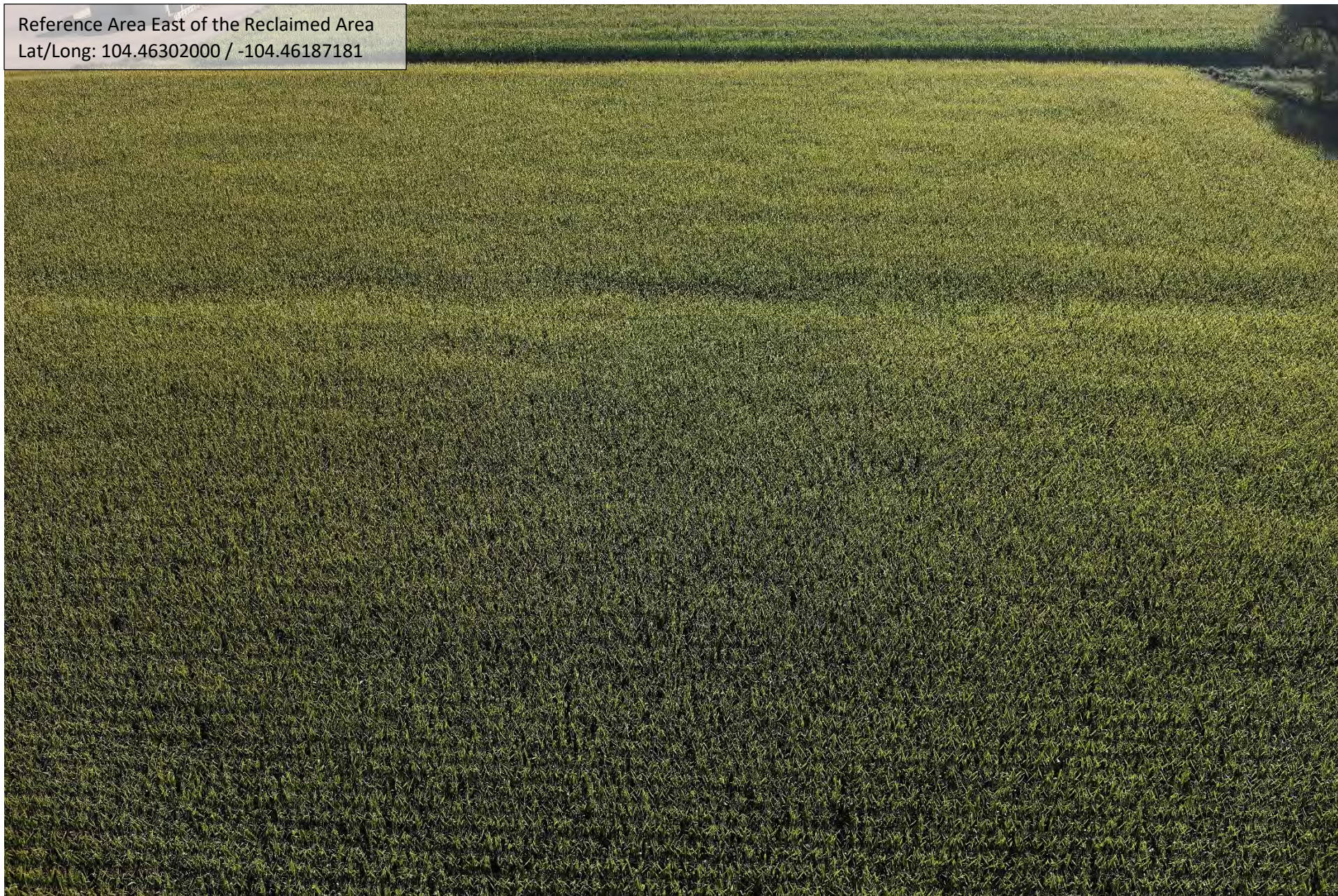
Reference Area North of the Reclaimed Area
Lat/Long: 40.36552633 / -104.46246325



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

