



# Site Specific Final Reclamation Completion Notice – Cropland Drone Imagery

## Permit Closure Report – Cropland

**Location ID:** 331189

**Location Name:** OLSON-64N67W/29SESW

## Report Date:

11/5/2025

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 2025 – Corn

Crop 2024 – Corn

## Inspection:

Performed by	H2E Inc.
Date	7/28/2025

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

## Location Checklist



Location Name	OLSON-64N67W/29SESW			
Location ID	331189			
Type	LOCATION			
Operator / #	PDC ENERGY INC - 69175			
Field	WATTENBERG - #90750			
County, State	WELD, CO			
COGIS Well Information (Scout Card)	Well Name: OLSON #24-29			
	Facility ID: 259244			
	Well API #: 05-123-20281			
	Status & Date: PA - 2/12/2021			
	Lat/Long: 40.278170 / -104.916360			
Notes:				
Location	SESW 29 4N67W			
Location Status - Date	CL - 2/12/2021			
Facility Entities	<input type="checkbox"/>	Tank Battery	<input type="checkbox"/>	Pits
	<input checked="" 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 checked="" type="checkbox"/>	Culverts Removed	<input type="checkbox"/>	Gravel Removed
	<input type="checkbox"/>	Revegetated	<input type="checkbox"/>	
	<input type="checkbox"/>	Pre-Existing (Must provide supporting documentation):		
Reclamation Status	<input checked="" type="checkbox"/>	Location and associated disturbances reclaimed		
	<input type="checkbox"/>	Subsidence		
Plug date & Form 6S Doc. #:	02/12/2021 - 402633475			
Spills or Releases (Form 19)	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
Remediation (Form 27/27A)	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Yes
On-Location Flowlines	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Yes
Off-Location Flowlines	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Yes
Inspection Corrective Actions	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	Yes
Variance Requests	No variance requests were identified.			
Sundry Notice (Form 4)	No sundry notice pertaining to series 900-1200 rules was identified.			
Off-Location Flowlines (Form 44)	Form 44 Doc # & Date: 402810801 - 09/14/2021			
	Purpose: FLOWLINE SYSTEM ABANDONMENT VERIFICATION			
	Abandonment Date: 3/1/2021			
	ECMC Approval Date & Signee: 11/21/2024 - Director of ECMC			
	Operator Comments:			
	<b>Flowline Facility Information</b>			
	ECMC Flowline ID: 479253			
	Operator Flowline ID: PDC Flowline System/			
	Status & Date: AC - 10/30/2025			
	Flowline Type: Well stream			
	Type of Fluids Transported: Produced fluids			
	Start Point Location ID: 331189			
	Start Point Riser Lat/Long: 40.278170 / -104.916360			
	Equipment at Start Point: Wellhead			
End Point Location ID: 462472				
End Point Riser Lat/Long: 40.278612 / -104.914222				
Equipment at End Point: Separator				

Field Inspection Form (Form INSP)	1) 680705087 - 12/07/2017 2) 680705165 - 12/15/2017 <b>Form INSP Doc # &amp; Date:</b> 3) 697002962 - 02/01/2021
	1) FOLLOW UP INSPECTION REQUIRED 2) NO FOLLOW UP INSPECTION REQUIRED <b>Status Summary:</b> 3) NO FOLLOW UP INSPECTION REQUIRED
	1) 259244 2) 259244 <b>Inspected Facilities:</b> 3) 259244
	1) PR 2) PR <b>Inspection Status:</b> 3) WK
	1) 12/07/2017 - Tom Peterson 2) 12/15/2017 - Tom Peterson <b>Inspection Date &amp; Inspector:</b> 3) 02/01/2021 - Tom Peterson
	1) Access road to separator area has been damaged. See attached photo. <b>Comments:</b> 2) Access road damage noted in prior inspection document #680705087 has been repaired. 3) None
Inspection Corrective Actions (CAs)	1) Location is within a designated setback location, maintain and repair access roads per Rule 604.c.(2)S. 2) None 3) None
Spill or Release (Form 19)	<b>Spill/Release Facility ID:</b> N/A
	<b>Status &amp; Date:</b> CL - 4/12/2012
	<b>Form 19 Initial/Supplemental Doc # &amp; Date:</b> 2222956 - 2/20/2012
	<b>Date Closed:</b> 4/12/2012
	<b>Date of Discovery:</b> 12/9/2011
	<b>Spill Type:</b> Release
	<b>Reference Location Facility ID &amp; Type:</b> 331189 - Location <b>Operator:</b> PDC Energy Inc
<b>Operator Comments:</b> DURING RE-FRACKING OPERATIONS AT THE FACILITY, SUBSURFACE IMPACTS WERE DISCOVERED BELOW THE SOUTHERN SEPARATOR WITHIN THE BERMED CONTAINMENT AREA. A TOPOGRAPHIC MAP OF THE SITE IS INCLUDED AS FIGURE 1.	
<b>Request for Closure:</b> 4/12/2012 - John Axelson	
Site Investigation and Remediation Workplan (Form 27/27A)	<b>Remediation Project #:</b> 16670
	<b>Form 27 Initial Doc # &amp; Date:</b> 402598061 - 02/11/2021
	<b>Purpose:</b> Wellhead Closure and Flowline Removal
	<b>Notes:</b>
	<b>Form 27 Supplemental Docs # &amp; Date:</b> 402862809 - 11/05/2021
	<b>Purpose:</b> Decommissioning of Oil and Gas Facilities.
	<b>Operator Comments:</b> Based on the results collected during the supplemental site investigation conducted on August 9, 2021, at the Olson 24-29 wellhead, PDC is requesting a No Further Action (NFA) determination for this location.
	<b>ECMC Comments:</b>
	<b>ECMC COAs:</b> Based on the information presented, it appears that no further remedial action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required.
	<b>Closure Request Approved:</b> 11/10/2021 - Candice (Nikki) Graber <b>Final Resolution:</b> 11/10/2021

Site Investigation and Remediation Workplan (Form 27/27A)	<b>Remediation Project #:</b> 6943
	<b>Form 27 Initial Doc # &amp; Date:</b> 2223875 - 3/30/2012
	<b>Purpose:</b> Spill or Release
	<b>Notes:</b> N/A
	<b>Form 27 Supplemental Docs # &amp; Date:</b> 2223875 - 3/30/2012
	<b>Purpose:</b> Spill or Release
	<b>Operator Comments:</b> N/A
	<b>ECMC Comments:</b> Based on review of information presented it appears that no further action is necessary at this time. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.
	<b>ECMC COAs:</b> N/A
	<b>Closure Request Approved:</b> Annie Eckman
<b>Final Resolution:</b> 7/31/2012	
Site Investigation and Remediation Workplan (Form 27/27A)	<b>Remediation Project #:</b> 16666
	<b>Form 27 Initial Doc # &amp; Date:</b> 402597165 - 02/11/2021
	<b>Purpose:</b> 909.c.(1), Rule 905: Pit or PW vessel closure
	<b>Notes:</b> This Form 27 serves as notification for the closure of the Olson 13, 14, 23, 24-29 tank battery, produced water vessel, and associated on-location equipment. Decommissioning activities are planned to begin the week of February 21, 2021. This schedule may be adjusted due to unforeseen circumstances, delays, and/or changes in weather.
	<b>Form 27 Supplemental Docs # &amp; Date:</b> 402862874 - 11/05/2021
	<b>Purpose:</b> Rule 913.c.(2): Buried or partially buried vessel closure, which will be by removal.  Rule 913.c.(9): Decommissioning of Oil and Gas Facilities.
	<b>Operator Comments:</b> Based on the results collected during the supplemental site investigation conducted on August 9, 2021, at the Olson 13, 14, 23, 24-29 tank battery, PDC is requesting a No Further Action (NFA) determination for this location.
	<b>ECMC Comments:</b> N/A
	<b>ECMC COAs:</b> Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required. The surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules. For locations with active ongoing oil and gas operations, comply with Rule 1003 interim reclamation requirements and for locations that will no longer have active oil and gas operations, comply with Rule 1004 Final Reclamation requirements.
	<b>Closure Request Approved:</b> 11/10/2021
<b>Final Resolution:</b> Nikki Graber	
COGIS Tank Facilities Information (Scout Card)	<b>Tank Battery Name:</b> OLSON USX O 29-25 BATTERY/29SESW
	<b>Location ID:</b> 462472
	<b>Status &amp; Date:</b> CL - 2/28/2019
	<b>Lat/Long:</b> 40.278760 / -104.914151
	<b>Notes:</b>
Drone Information	<b>Make &amp; Model:</b> DJI M3E MultiSpectral
	<b>Image Processing Software:</b> Pix4D Mapper
	<b>Pilot Name &amp; FAA Certificate:</b> Ian Hattabaugh - 5069217
	<b>Date of FAA Certificate Issuance:</b> 10/4/2024



## Imagery Sources

**The following imagery sources were reviewed during this investigation:**

NAIP Imagery from 2009-2023, and historic Google Earth imagery from 1985-2025.

## Site Observation Notes

No Additional Information

## Closure Information

This final reclamation completion notice is intended to close the OLSON-64N67W/29SESW (331189) location which consists of the OLSON #24-29 (API # 05-123-20281) wellhead. This wellhead does not share a disturbance with any other wells or tank batteries. There is one off-location flowline associated with this well that transported produced fluids to the associated tank battery, and was removed in March of 2021. The associated tank battery has its own location ID (462472) which will remain open until final reclamation has been achieved.

OLSON #24-29 was reclaimed and returned to the landowner for agricultural use in 2021. The wellhead was accessed from an unpaved access road that originated off of County Road 40. The access road was reclaimed and returned to agriculture in conjunction with the reclamation of the well location.

One spill/release (Form 19) was documented on 2/20/2012. A spill had occurred during re-fracking operations at the facility, subsurface impacts were discovered below the southern separator within the bermed containment area. This spill was closed on 4/12/2012 by John Axelson.

Three Remediation Workplans (Form 27-I) were documented on 3/30/2012, 2/11/2021, and again on 2/11/2021. The first was documented due to a spill or release. On 7/31/2012 a Form 27-S (Doc. # 2223875) was filed, this remediation work plan was closed by Annie Eckman on 7/31/2012. The second remediation workplan was submitted for wellhead closure and flowline removal. On 11/05/2021 a Form 27-S (Doc. # 402862809) was filed. This remediation workplan was closed by Candice (Nikki) Graber on 11/10/2021. The third remediation workplan was submitted for Pit or PW vessel closure. On 11/05/2021 a Form 27-S (Doc. # 402862874) was filed. This remediation workplan was closed by Candice (Nikki) Graber on 11/10/2021.

One corrective action (CA) was identified during the records review. This CA came from an inspection on 12/7/2017 by Tom Peterson, stating access road to separator area has been damaged location is within a designated setback location, maintain and repair access roads per rule 604.c(2)S. This CA was addressed during the following inspection on 12/15/2017 by Tom Peterson, stating access road damage noted in prior inspection document #680705087 has been repaired.

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

**Pre-Plugging Active Operations Location Overview**



### Form 4 Final Reclamation - Pre Plugging Overview

OLSON-64N67W/29SESW

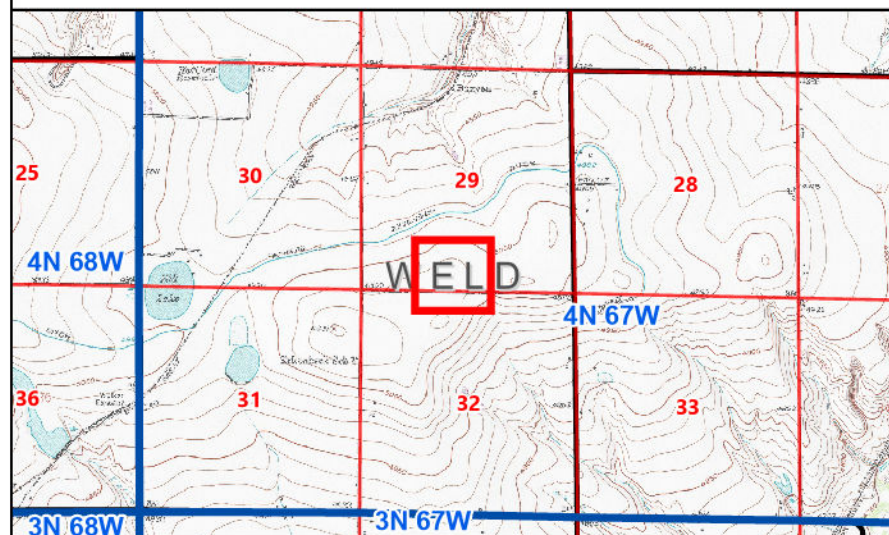


Editor: EJanak  
File: Chevron\_PrePlugging\_v1

Prepared by:  
Scale: 1:2,000  
Date: 1/20/2026

- Well Head
- Flowline
- Flowline - Removed
- Access Road - Reclaimed
- Former Separator
- Former Tank Battery
- Reclaimed Well Pad
- County/Local Road

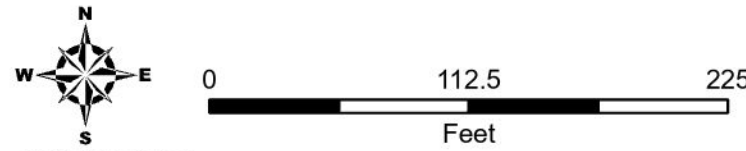
NAIP 2013 Imagery





### Form 4 Final Reclamation - Pre Plugging Overview

OLSON-64N67W/29SESW

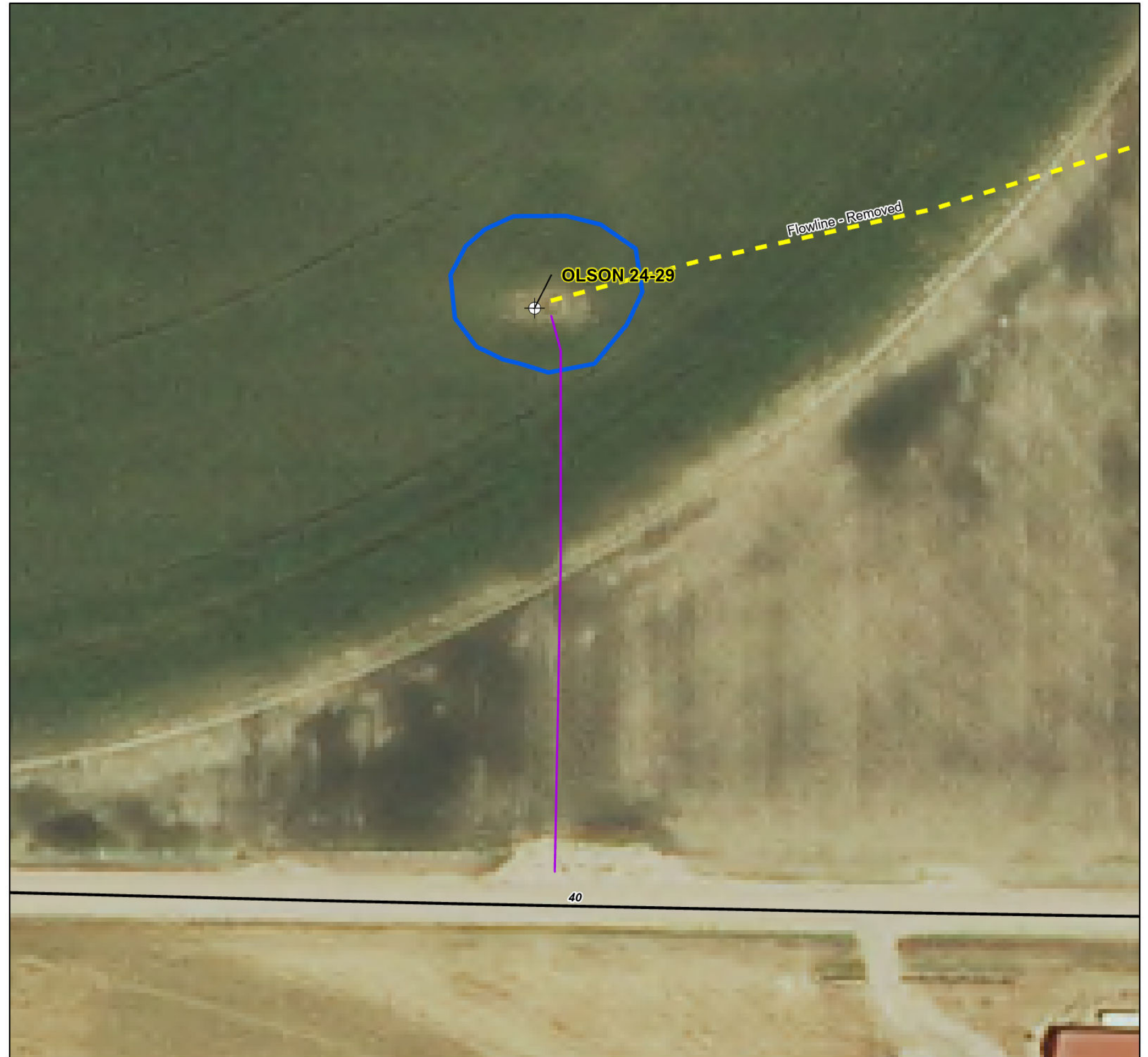
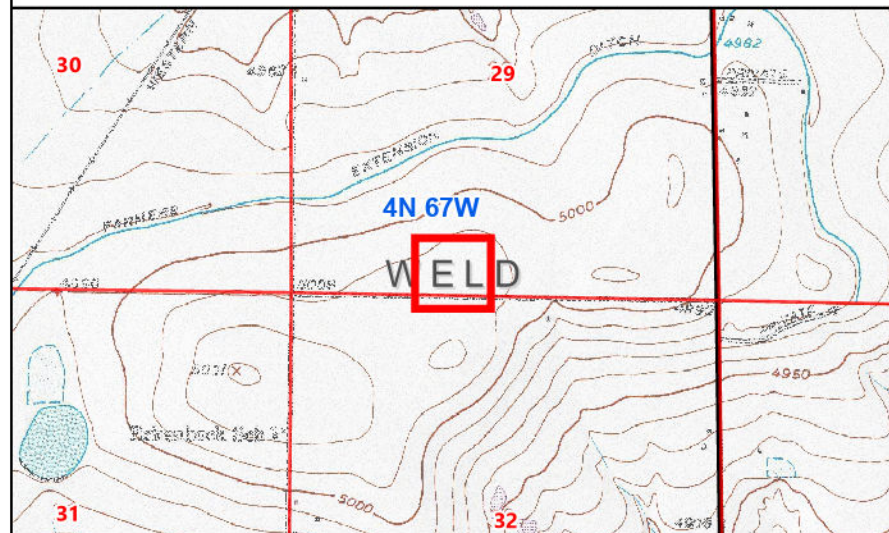


Editor: EJanak  
File: Chevron\_PrePlugging\_v1

Prepared by:  
Scale: 1:1,000  
Date: 1/20/2026

- Well Head
- Flowline - Removed
- Access Road - Reclaimed
- Reclaimed Well Pad
- County/Local Road

#### NAIP 2013 Imagery



## Post-Plugging and Abandonment Location Overview



# Form 4 Final Reclamation - Post-Plugging Overview

OLSON-64N67W/29SESW



Prepared by:

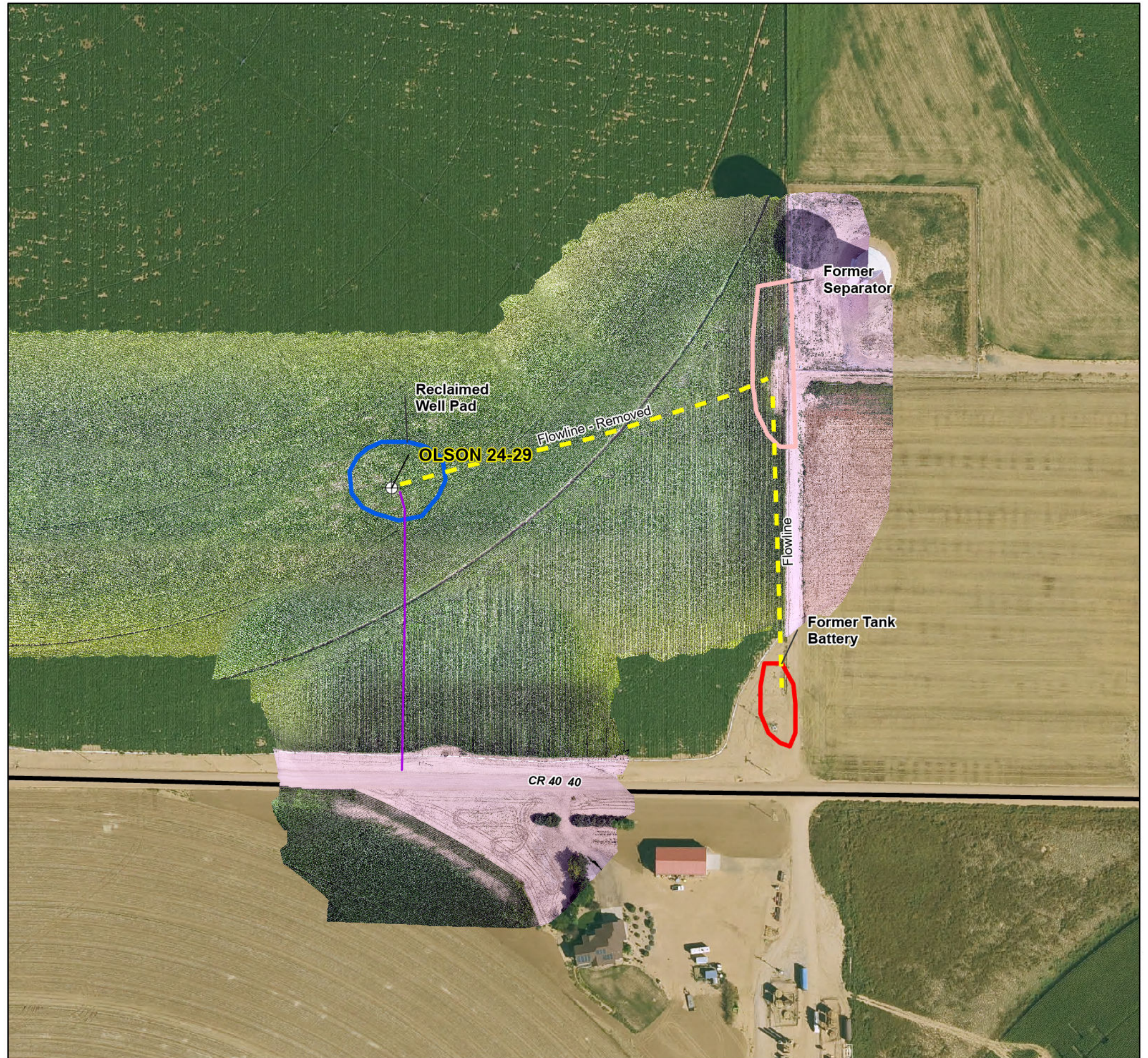
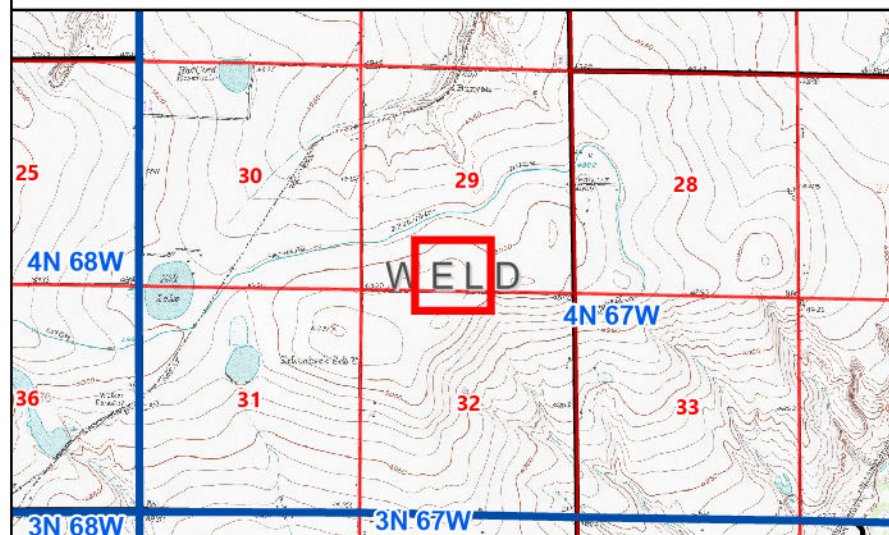


Editor: CDenison  
File: Chevron\_PostPlugging\_v1

Scale: 1:2,000  
Date: 1/15/2026

- Well Head
- Flowline
- Flowline - Removed
- Access Road - Reclaimed
- Former Separator
- Former Tank Battery
- Reclaimed Well Pad
- County/Local Road
- Weld Local

## 2025 Drone Imagery

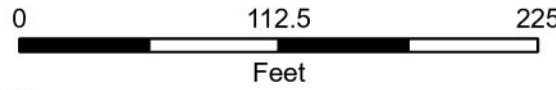




### Form 4 Final Reclamation - Post-Plugging Overview

OLSON-64N67W/29SESW

Prepared by:

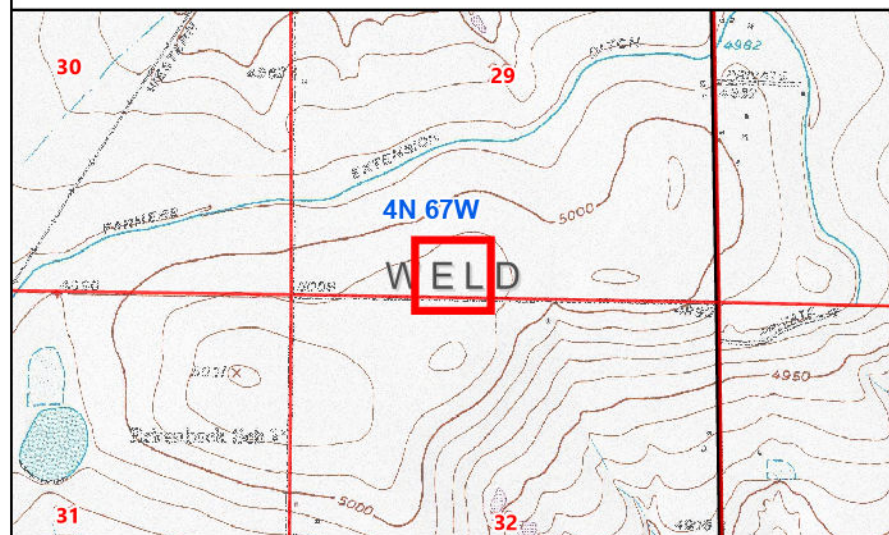


Editor: CDenison  
File: Chevron\_PostPlugging\_v1

Scale: 1:1,000  
Date: 1/15/2026

- Well Head
- Flowline - Removed
- Access Road - Reclaimed
- Reclaimed Well Pad
- County/Local Road
- Weld Local

#### 2025 Drone Imagery



# Cardinal Direction Drone Photos

Photo Dates:

7/28/2025

Drone Photo Height:

85'

North of Disturbance Facing South  
Lat/Long: 40.27888589 / -104.91635714



South of Disturbance Facing North  
Lat/Long: 40.27748683 / -104.91637819



West of Disturbance Facing East  
Lat/Long: 40.27818950 / -104.91728150



East of Disturbance Facing West  
Lat/Long: 40.27818008 / -104.91543986



## **Access Road Drone Photo**

Photo Dates:

7/28/2025

Drone Photo Height:

85'

Access Road Photo Facing North  
Lat/Long: 40.27673575 / -104.91639008



# Flowline Drone Photo

Photo Dates:

7/28/2025

Drone Photo Height:

85'

Flowline Photo Facing Northeast  
Lat/Long: 40.27793700 / -104.91690025



**Reference Photo for Crop Growth Stage**

Cropland Reference Photo (Corn)  
Lat/Long: 40.277681 / -104.914146



07/28/2025