



# Site Specific Final Reclamation Completion Notice – Cropland Drone Imagery

## Permit Closure Report – Cropland

**Location ID:** 323568

**Location Name:** HOSHIKO-66N65W/33NENW

## Report Date:

11/13/2024

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 – Carrots

Crop 2023 – Carrots

## Inspection:

Performed by	Chevron
Date	9/5/2024

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

## Location Checklist



<b>Operator / #</b>	NOBLE ENERGY INC - 100322		
<b>Name / Location ID</b>	HOSHIKO-66N65W/33NENW - 323568		
<b>County</b>	Weld		
<b>Well Information</b>	<b>Well Name:</b> HOSHIKO #3-33		
	<b>Well API #:</b> 05-123-13208		
	<b>Lat/Long As Drilled:</b> 40.448142 / -104.670217		
	<b>Plug date &amp; Form 6S Doc. #:</b> 10/14/2019 - 402363580		
<b>Facility Entities</b>	<input checked="" type="checkbox"/>	Tank Battery	Pits
	<input checked="" type="checkbox"/>	Wells	On-Location Flowlines (Form 42): Doc. #
	<input type="checkbox"/>	Domestic Taps	<input checked="" type="checkbox"/> Off-Location Flowlines (Form 44): Doc. # 403206312
<b>Equipment on Site</b>	<input checked="" type="checkbox"/>	None	Debris
		Pit mouse/rat holes, cellars backfilled	
<b>Access Road</b>	<input checked="" type="checkbox"/>	Regraded	<input checked="" type="checkbox"/> Contoured
		Culverts removed	Gravel removed
		Pre-existing: must provide supporting documentation	
<b>Reclamation Status</b>	<input checked="" type="checkbox"/>	Location and associated disturbances reclaimed	
		Subsidence	
<b>Spills or Releases (Form 19)</b>	<input checked="" type="checkbox"/>	No	Yes
<b>Remediation (Form 27/27A)</b>		No	<input checked="" type="checkbox"/> Yes
<b>On-Location Flowlines</b>	<input checked="" type="checkbox"/>	No	Yes
<b>Off-Location Flowlines</b>		No	<input checked="" type="checkbox"/> Yes
<b>Inspection Corrective Actions</b>		No	<input checked="" type="checkbox"/> Yes
<b>Sundry Notice (Form 4)</b>	No sundry notice pertaining to series 900-1200 rules was identified.		
<b>Drone Information</b>	<b>Make &amp; Model:</b> DJI Mavic 3		
	<b>Image Processing Software:</b> Drone Deploy		
	<b>Pilot Name &amp; FAA Certificate #:</b> 4944732 - Justin Rubick		
	<b>Date of FAA Certificate Issuance:</b> 1/16/2024		



## Designated Land Use Observations

Previous Land Use	Current Land Use
Reference Imagery for Infrastructure: NAIP 2013	Remotely Sensed Imagery: 9/5/2024
Designation: Oil and Gas Facility	Designation: Cropland

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

NAIP Imagery from 2013, 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 HOSHIKO-66N65W/33NENW location which consists of the HOSHIKO #3-33 (API # 05-123-13208) wellhead. This wellhead does not share a disturbance with any other wells or tank batteries. The associated tank battery does not have its own location ID and will be tied to this submission for final reclamation completion.

The HOSHIKO-66N65W/33NENW location is in Weld County, Colorado west of N Balsam Ave and south of County Road 64. There is one off location flowline associated with this well that transported produced fluids to the associated tank battery, and was abandoned-in-place on 10/14/2019 under the Form 44 Doc #403206312.

HOSHIKO #3-33 was reclaimed and returned to the landowner for agricultural use in 2019. The wellhead was accessed from an unpaved access road off of N Balsam Ave. The access road was reclaimed and returned to agriculture in conjunction with the reclamation of the well location.

A Remediation Workplan (Form 27-I) was documented on 9/27/2019 for Pit or PW vessel closure. On 11/12/2019 a Form 27-S (Doc. #402236747) was filed. This remediation workplan was closed by Candice (Nikki) Graber on 11/14/2019.

One corrective action (CA) was identified during the records review. This CA was identified during an inspection on 11/09/2018 by Bret Evins and stated to remove, manage, & control weeds around wellsite. Comply with Rule 603.f. The CA mentioned above was addressed during the following inspection on 12/06/2018 conducted by Bret Evins.

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	0.96
Access Road	0.40
Flowline	Not Included
Tank Battery	0.20
Well Pad	0.36

## Location Summary



<b>Name</b>	HOSHIKO-66N65W/33NENW - 323568		
<b>Type</b>	Wellhead		
<b>Location ID</b>	323568		
<b>Operator / #</b>	NOBLE ENERGY INC - 100322		
<b>Field</b>	GREELEY		
<b>County, State</b>	Weld, Colorado		
<b>Lat/Long</b>	40.448142 / -104.670217		
	Planned Location	X	As Drilled
<b>Location</b>	NENW 33 6N65W 6		
<b>Location Status - Date</b>	PA - 10/14/2019		
<b>Facility Entities</b>	X	Tank Battery	Pits
	X	Wells	X Off-Location Flowlines (Form 44)
		Domestic Taps	On-Location Flowlines (Form 42)
		Electric Utilities	
<b>Equipment on Site</b>	X	No	Yes
	If yes, list:		
	Pit mouse/rat holes, cellars backfilled		
<b>Access Road</b>	X	Regraded	X Contoured
		Culverts Removed	Gravel Removed
	Pre-Existing (Must provide supporting documentation):		
<b>Variance Requests</b>	No variance requests were identified.		
<b>Sundry Notice (Form 4)</b>	No sundry notice pertaining to series 900-1200 was identified.		
<b>On Location Flowlines (Form 42)</b>	N/A		
<b>Off-Location Flowlines (Form 44)</b>	<b>Form 44 Doc # &amp; Date:</b> 403206312 - 10/24/2022		
	<b>Purpose:</b> FLOWLINE SYSTEM ABANDONMENT VERIFICATION		
	<b>Abandonment Date:</b> 10/14/2019		
	<b>ECMC Approval Date &amp; Signee:</b> Director of ECMC - 3/6/2023		
	In order to comply with the needs of the reclamation group, this is the abandonment verification for 344 flowlines that were abandoned between 3/1/2018 and 12/20/2019. Flowline details are attached. These have all previously		
	been registered as Abandoned.		
	<b>Operator Comments:</b> been registered as Abandoned.		
	<b>Flowline Facility Information</b>		
	<b>ECMC Flowline ID:</b> 469881		
	<b>Operator Flowline ID:</b> Noble Flowline System		
	<b>Status &amp; Date:</b> AC - 11/6/2024		
	<b>Flowline Type:</b> Wellhead line		
	<b>Type of Fluids Transported:</b> Produced Fluids		
	<b>Start Point Location ID:</b> 323568		
<b>Start Point Riser Lat/Long:</b> 40.448142 / -104.670217			
<b>Equipment at Start Point:</b> Wellhead			
<b>End Point Location ID:</b> N/A			
<b>End Point Riser Lat/Long:</b> 40.446914 / -104.668483			
<b>Equipment at End Point:</b> Separator			

<b>Field Inspection Form (Form INSP)</b>	668703084 - 04/01/2015 <b>Form INSP Doc # &amp; Date:</b> 691200774 - 11/09/2018 691200899 - 12/06/2018		
	<b>Status Summary:</b> 668703084 - NO FOLLOW UP INSPECTION REQUIRED 691200774 - FOLLOW UP INSPECTION REQUIRED 691200899 - THIS IS A FOLLOW UP INSPECTION;NO FOLLOW UP INSPECTION REQUIRED		
	<b>Inspected Facilities:</b> 668703084 - Well 691200774 - Well 691200899 - Well		
	<b>Inspection Status:</b> 668703084 - PR 691200774 - SI 691200899 - SI		
	<b>Inspection Date &amp; Inspector:</b> 668703084 - 04/01/2015 - Gary Helgeland 691200774 - 11/09/2018 - Bret Evins 691200899 - 12/06/2018 - Bret Evins		
	<b>Comments:</b> 668703084 - Overall interim reclamation has been passed. 691200774 - This is a WELL & BATTERY inspection. Entire battery & equipment is shut-down. Remove, manage, & control weeds around wellsite. Comply with Rule 603.f . 691200899 - This is a WELL inspection. Follow-up to FIR #691200774 dated 11/09/2018. All previous Corrective Action items have been addressed. Refer to FIR 691200774 and/or Location #323568 for battery / facility equipment, tanks & berms info.		
	<b>Inspection Corrective Actions (CAs)</b> 691200774 - Remove, manage, & control weeds around wellsite. Comply with Rule 603.f .		
<b>Environmental Incidents &amp; Remediation</b>	<input type="checkbox"/>	None	<input type="checkbox"/> Spill or Release (Form 19)
	<input checked="" type="checkbox"/>	Remediation (Form 27/27A)	
<b>Spill or Release (Form 19)</b>	No Form 19 was identified during the records review.		

<b>Site Investigation and Remediation Workplan (Form 27/27A)</b>	<b>Remediation Project #:</b> 14260
	<b>Form 27 Initial Doc # &amp; Date:</b> 402191192 - 09/27/2019
	<b>Purpose:</b> Rule 905: Pit or PW vessel closure
	<b>Notes:</b> Facility is scheduled for decommissioning activities the week of September 30, 2019. This schedule may change due to weather or other unforeseen circumstances. Supplemental Form 27 will be submitted within 45 days.
	<b>Form 27 Supplemental Docs # &amp; Date:</b> 402236747 - 11/12/2019
	<b>Purpose:</b> Rule 905: Pit or PW vessel closure
	<b>Operator Comments:</b> N/A
	<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 ground water is found to be impacted, then further investigation and/or remediation activities may be required. In addition, 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.
	<b>Closure Request Approved:</b> 11/14/2019
<b>Final Resolution:</b> 11/14/2019 - Candice (Nikki) Graber	
<b>COGIS Tank Facilities Information (Scout Card)</b>	<b>Tank Battery Name:</b> N/A
	<b>Facility ID:</b> N/A
	<b>Status &amp; Date:</b> N/A
	<b>Lat/Long:</b> 40.446914 / -104.668483
	<b>Notes:</b> N/A
	<b>Form 4 Doc # &amp; Date:</b> N/A
<b>COGIS Well Information (Scout Card)</b>	<b>Well Name:</b> HOSHIKO #3-33
	<b>Facility ID:</b> 245413
	<b>Status &amp; Date:</b> PA - 10/14/2019
	<b>Lat/Long:</b> 40.448142 / -104.670217
	<b>Notes:</b> N/A
	<b>Form 4 Doc # &amp; Date:</b> N/A
	<b>Purpose:</b> N/A

# Pre-Plugging Active Operations Location Overview



# PDC Form 4 Final Reclamation - Pre Plugging Overview

HOSHIKO 3-33

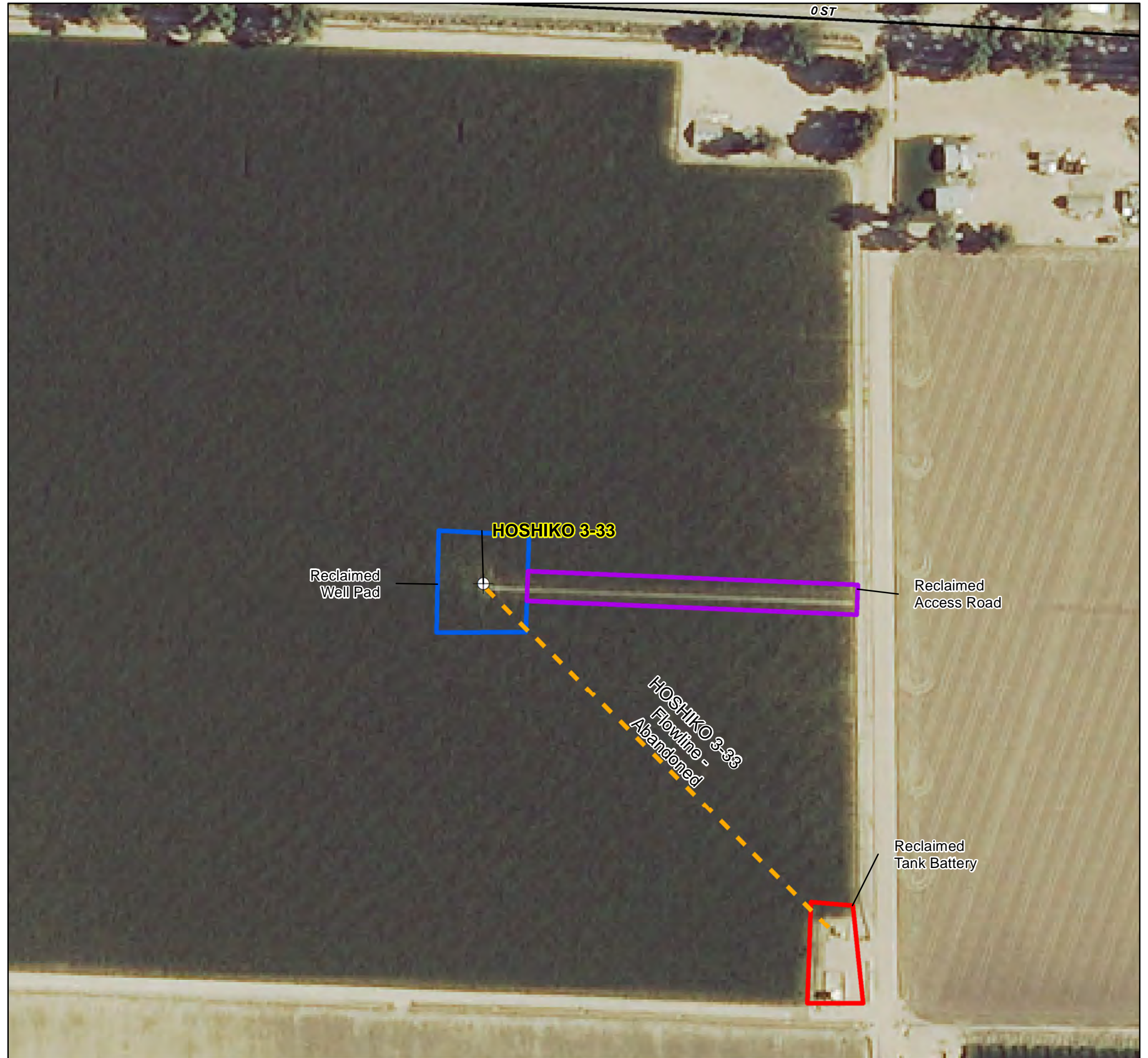
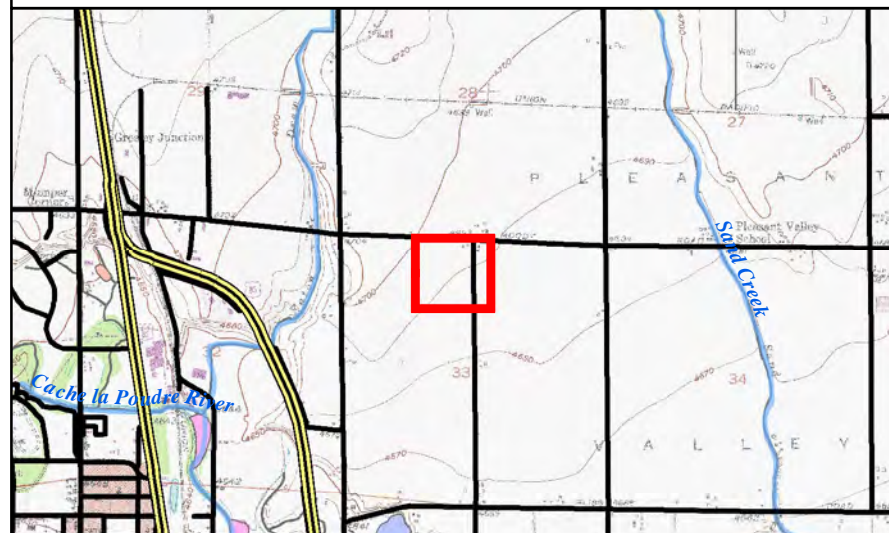


Editor: EJanak  
File: PDC\_Drone\_Rec\_PrePlugging\_DDP

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

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

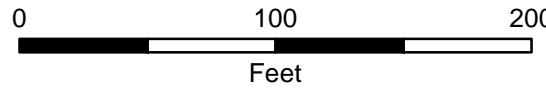
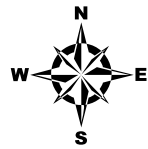
NAIP 2013 Imagery





# PDC Form 4 Final Reclamation - Pre Plugging Overview

HOSHIKO 3-33

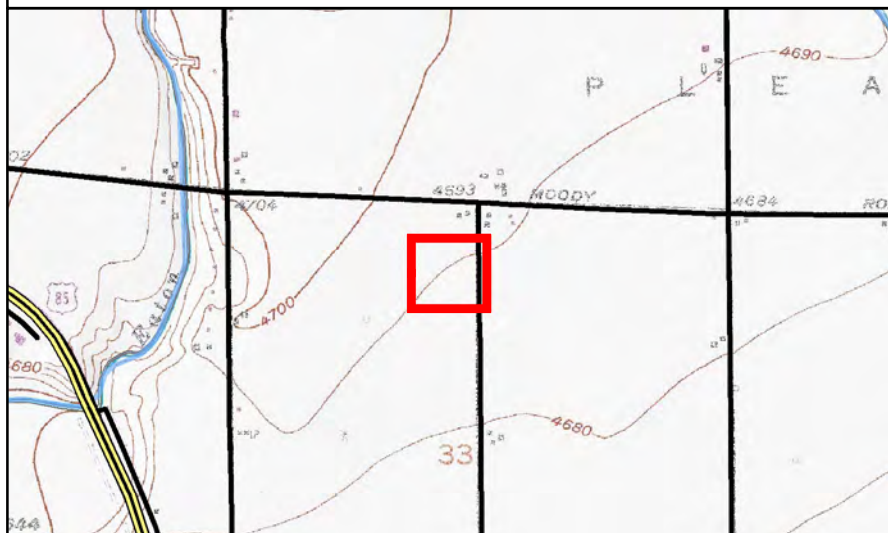


Editor: EJanak  
File: PDC\_Drone\_Rec\_PrePlugging\_DDP

Prepared by:  
Scale: 1:900  
Date: 11/13/2024

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

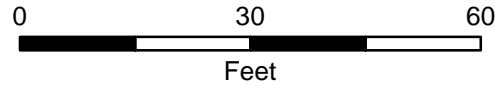
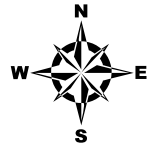
NAIP 2013 Imagery





**PDC Form 4 Final Reclamation - Pre Plugging Overview**

HOSHIKO 3-33



Prepared by:

Editor: EJanak  
File: PDC\_Drone\_Rec\_PrePlugging\_DDP

Scale:1:300  
Date: 11/13/2024

- Well Head
- Former Tank Battery Disturbance
- Flowline - Abandoned

**NAIP 2013 Imagery**

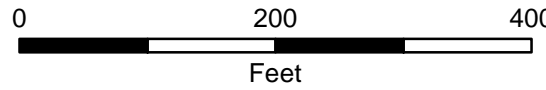


## Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

HOSHIKO 3-33

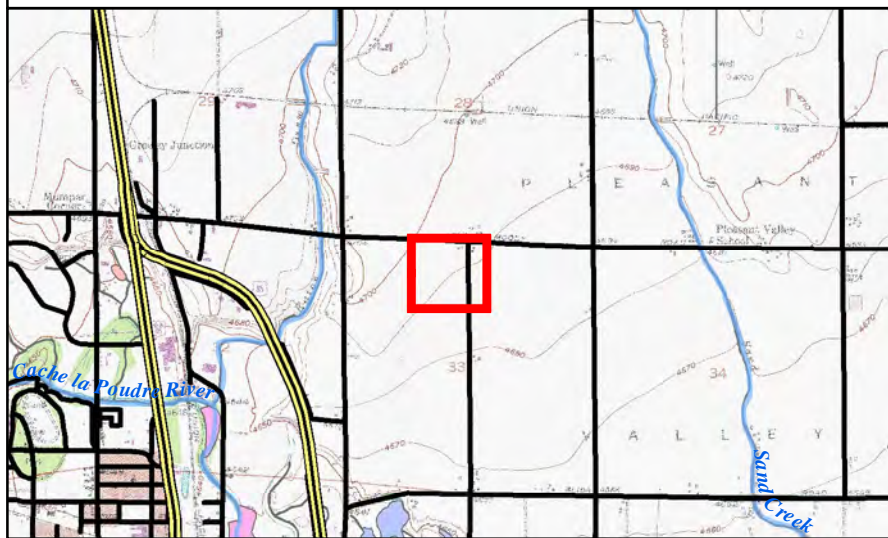


Prepared by:  
Scale: 1:1,800  
Date: 11/13/2024

Editor: EJanak  
File: PDC\_Drone\_Rec\_PostPlugging\_DDP

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

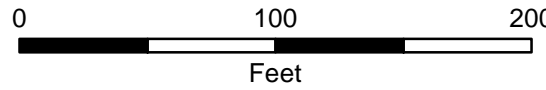
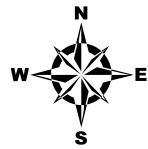
2024 Drone Imagery





# PDC Form 4 Final Reclamation - Post Plugging Overview

HOSHIKO 3-33



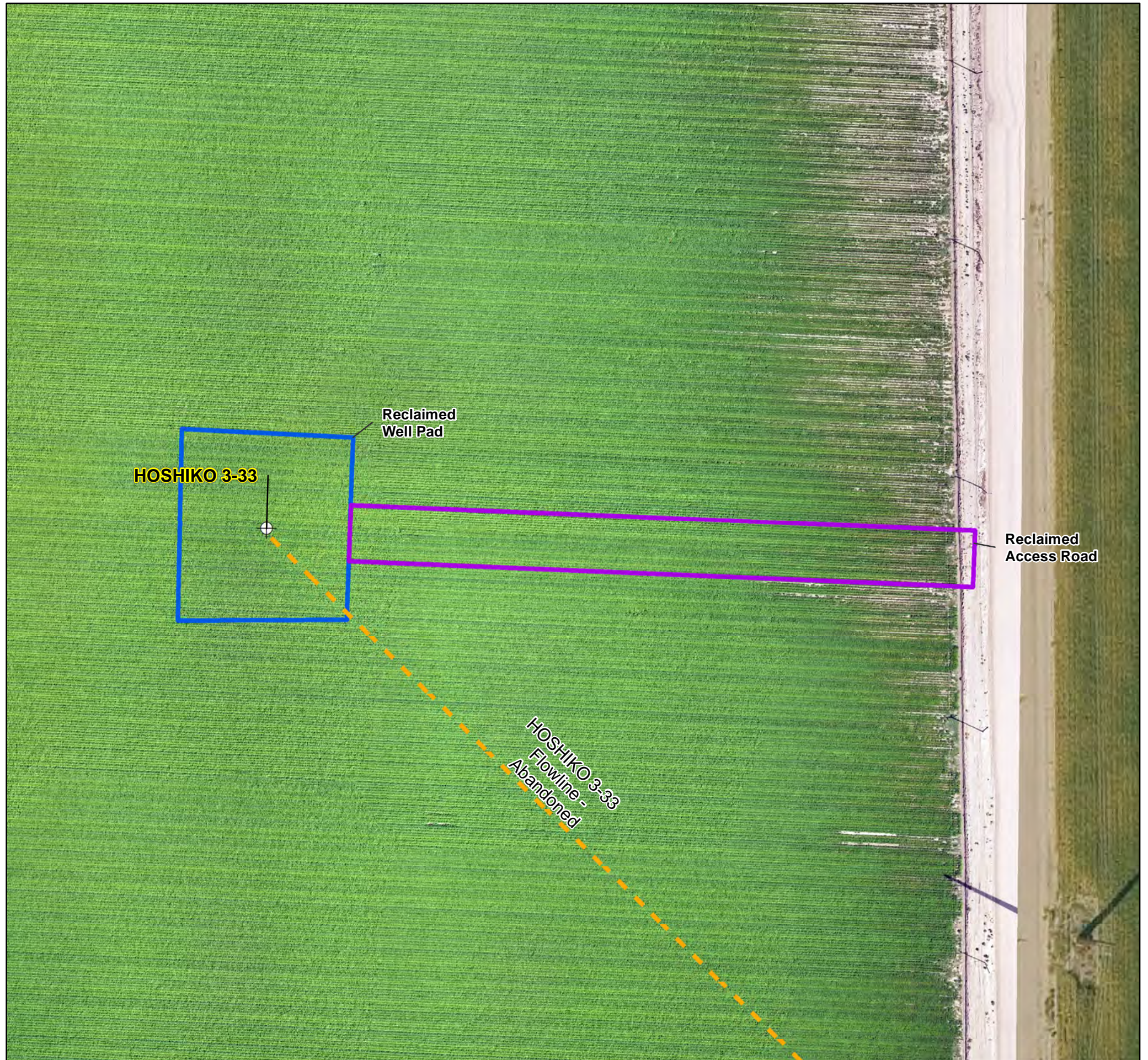
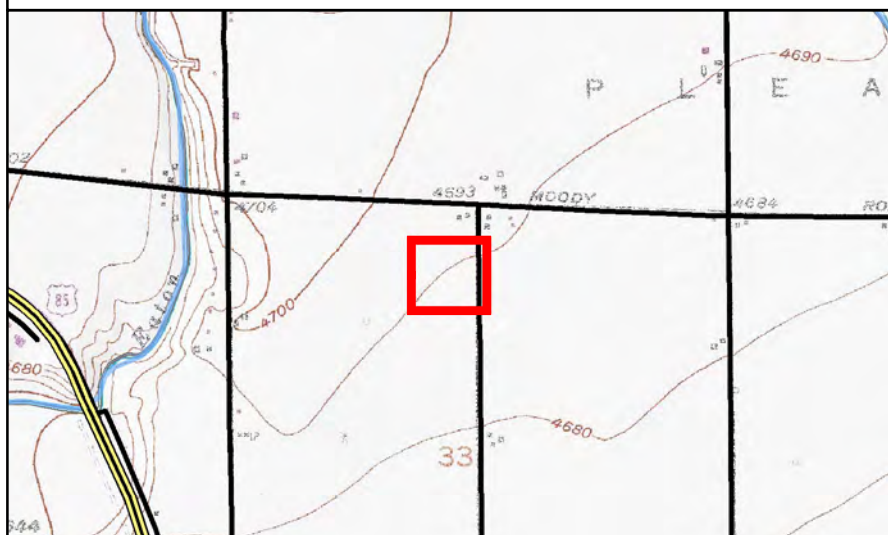
Prepared by:

Editor: EJanak  
File: PDC\_Drone\_Rec\_PostPlugging\_DDP

Scale: 1:900  
Date: 11/13/2024

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

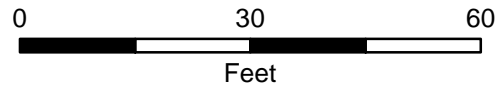
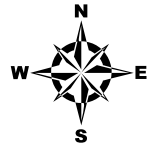
## 2024 Drone Imagery





PDC Form 4 Final Reclamation - Post Plugging Overview

HOSHIKO 3-33



Prepared by:  
Scale: 1:300  
Date: 11/13/2024

Editor: EJanak  
File: PDC\_Drone\_Rec\_PostPlugging\_DDP

- Well Head
- Reclaimed Tank Battery Disturbance
- Flowline - Abandoned

2024 Drone Imagery



# Cardinal Direction Drone Photos of the Wellhead

Photo Dates:

9/5/2024

Drone Photo Height:

85'

North of Disturbance Facing South  
Lat/Long: 40.44882589 / -104.67019117





South of Disturbance Facing North  
Lat/Long: 40.44816753 / -104.67018875



West of Disturbance Facing East  
Lat/Long: 40.44856492 / -104.67063386



East of Disturbance Facing West  
Lat/Long: 40.44859531 / -104.66971497



# Tank Battery Reference Photos

Photo Dates:

9/5/2024

Drone Photo Height:

85'

Tank Battery Reference Photo  
Lat/Long: 40.44695861 / -104.66855150

Flood irrigation canal

Unmanaged agricultural land due to irrigation infrastructure

Flood irrigation canal



**Reference Photo for Cropland Growth Stage**

Cropland Reference Photo (Carrots)  
Lat/Long: 40.44658442 / -104.66874575

