



Site Specific Final Reclamation Completion Notice – Land Use Change Drone Imagery

Permit Closure Report – Land Use Change

Location ID: 328651

Location Name: KAWATA-64N66W/15NWNW

Report Date:

11/25/2024

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 land use change drone imagery and information for submitting a final reclamation completion notice.

Land Use Change Type

The land use for this location has been taken over for industrial development.

Inspection:

Performed by	H2E Inc.
Date	10/31/2024

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

Location Checklist



Operator / #	PDC Energy / 69175		
Name / Location ID	KAWATA-64N66W/15NWNW - 328651		
County	Weld		
Well Information	Well Name: KAWATA #15-22		
	Well API #: 05-123-16259		
	Lat/Long As Drilled: 40.317567 / -104.770489		
	Plug date & Form 6S Doc. #: 2/18/2020 - 402346522		
Facility Entities		Tank Battery	Pits
	X	Wells	On-Location Flowlines (Form 42): Doc. #
		Domestic Taps	X Off-Location Flowlines (Form 44): Doc. # 403912831
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 #: Ian Hattabaugh - 5069217		
	Date of FAA Certificate Issuance: 10/4/2024		



Designated Land Use Observations

Previous Land Use	Current Land Use
Reference Imagery for Infrastructure: NAIP 2013	Remotely Sensed Imagery: 10/31/2024
Designation: Cropland	Designation: Industrial (Solar Farm)

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

Site has been reclaimed and is now part of a solar power generation facility.

Closure Information

This final reclamation completion notice is intended to close the KAWATA-64N66W/15NWNW location which consists of the KAWATA #15-22 (API # 05-123-16259) wellhead. This wellhead does not share a disturbance with any other wells or tank batteries. The associated tank battery has its own location ID (454141) which will remain open until final reclamation has been achieved.

The KAWATA-64N66W/15NWNW location is in Weld County, Colorado east of County Road 31 and south of County Road 46. There is one off location flowline associated with this well that transported produced fluids to the associated tank battery, and was removed in February of 2020.

KAWATA #15-22 was closed and reclaimed in 2020. The wellhead was accessed from an unpaved access road that originated off of County Road 46. The access road was reclaimed and incorporated into the industrial land use in conjunction with the reclamation of the well location.

Three corrective actions (CA's) were identified during the records review. One CA was identified during an inspection on 11/10/2016 by Tom Peterson and stated that the bradenhead valve was not exposed to the surface. This CA was addressed during the following inspection on 11/22/2016 conducted by Tom Peterson. Two CA's were identified during an inspection on 12/18/2019 by Tom Peterson and stated that the signage on the wellhead was lacking and that emergency contact information signage was lacking. These CA's were addressed during the following inspection on 1/10/2020 conducted by Tom Peterson.

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	0.40
Access Road	0.16
Flowline	Not Included
Tank Battery	Not Included
Well Pad	0.24

Location Summary



Name	KAWATA-64N66W/15NWNW			
Type	Wellhead			
Location ID	328651			
Operator / #	PDC Energy / 69175			
Field	Wattenberg			
County, State	Weld, Colorado			
Lat/Long	40.317567 / -104.770489			
	<input type="checkbox"/> Planned Location	<input checked="" type="checkbox"/>	As Drilled	
Location	NWNW 15 4N66W 6			
Location Status - Date	PA - 2/18/2020			
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 type="checkbox"/>	Culverts Removed	<input type="checkbox"/>	Gravel Removed
	<input type="checkbox"/>	Pre-Existing (Must provide supporting documentation):		
Variance Requests	N/A			
Sundry Notice (Form 4)	No sundry notice pertaining to series 900-1200 rules was identified.			
Off-Location Flowlines (Form 44)	Form 44 Doc # & Date: 403912831 - 09/06/2024			
	Purpose: Flowline Abandonment			
	Abandonment Date: 2/19/2020			
	ECMC Approval Date & Signee: N/A			
	05-123-16259 KAWATA 15-22 234441 Well			
	Operator Comments: Flowline 2/19/2020			
	Flowline Facility Information			
	ECMC Flowline ID: 479253			
	Operator Flowline ID: PDC Flowline System			
	Status & Date: N/A			
	Flowline Type: Wellhead Line			
	Type of Fluids Transported: Produced Fluids			
	Start Point Location ID: 328651			
	Start Point Riser Lat/Long: 40.317572 / -104.770489			
	Equipment at Start Point: Wellhead			
	End Point Location ID: 454141			
End Point Riser Lat/Long: 40.31865 / -104.76584				
Equipment at End Point: Separator				
1) 680703177 - 11/10/2016				
2) 680703225 - 11/22/2016				
3) 696501334 - 12/18/2019				
Form INSP Doc # & Date: 4) 696501498 - 01/10/2020				
1) FOLLOW UP INSPECTION REQUIRED				
2) THIS IS A FOLLOW UP INSPECTION, NO FOLLOW UP INSPECTION REQUIRED				
3) FOLLOW UP INSPECTION REQUIRED				
4) THIS IS A FOLLOW UP INSPECTION, NO FOLLOW UP INSPECTION REQUIRED				
Status Summary: INSPECTION REQUIRED				

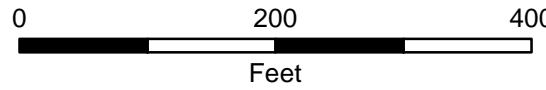
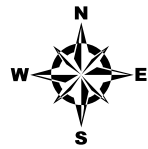
Field Inspection Form (Form INSP)	1) Well 2) Well 3) Well Inspected Facilities: 4) Well		
	1) PR 2) PR 3) PR Inspection Status: 4) PR		
	1) 11/10/2016 - Peterson, Tom 2) 11/22/2016 - Peterson, Tom 3) 12/18/2019 - Peterson, Tom Inspection Date & Inspector: 4) 01/10/2020 - Peterson, Tom		
	Comments: 1) Bradenhead is not exposed at surface. 2) Bradenhead is exposed at surface. Bradenhead valving noted in prior inspection document #680703177 has been corrected. 3) No sign or emergency contact informatoin posted at wellhead. 4) Wellhead sign noted in prior inspection document #696501334 has been posted. Emergency contact information noted in prior inspection document #696501334 hasbeen posted.		
Inspection Corrective Actions (CAs)	A CA was identified during an inspection on 11/10/2016 due to the bradenhead valve not being exposed at the surface. This CA was addressed during the following inspection on 11/22/2016. Two CA's were identified during an inspection on 12/18/2019 due to no sign being posted on the wellhead and lack of emergency contact information signage. These CA's were addressed during the following inspection on 1/10/2020.		
Environmental Incidents & Remediation	X	None	Spill or Release (Form 19)
			Remediation (Form 27/27A)
Spill or Release (Form 19)	N/A		
Site Investigation and Remediation Workplan (Form 27/27A)	N/A		
COGIS Tank Facilities Information (Scout Card)	Tank Battery Name: Boulter-Kawata Tank Battery		
	Facility ID: 454141		
	Status & Date: AC - 6/16/2022		
	Lat/Long: 40.318654 / -104.765803		
	Notes: N/A		
	Form 4 Doc # & Date: N/A		
COGIS Well Information (Scout Card)	Purpose: N/A		
	Well Name: KAWATA #15-22		
	Facility ID: 248461		
	Status & Date: PA - 2/18/2020		
	Lat/Long: 40.317567 / -104.770489		
	Notes: N/A		
Form 4 Doc # & Date: N/A			
Purpose: N/A			

Pre-Plugging Active Operations Location Overview



PDC Form 4 Final Reclamation - Pre Plugging Overview

Kawata 15-22

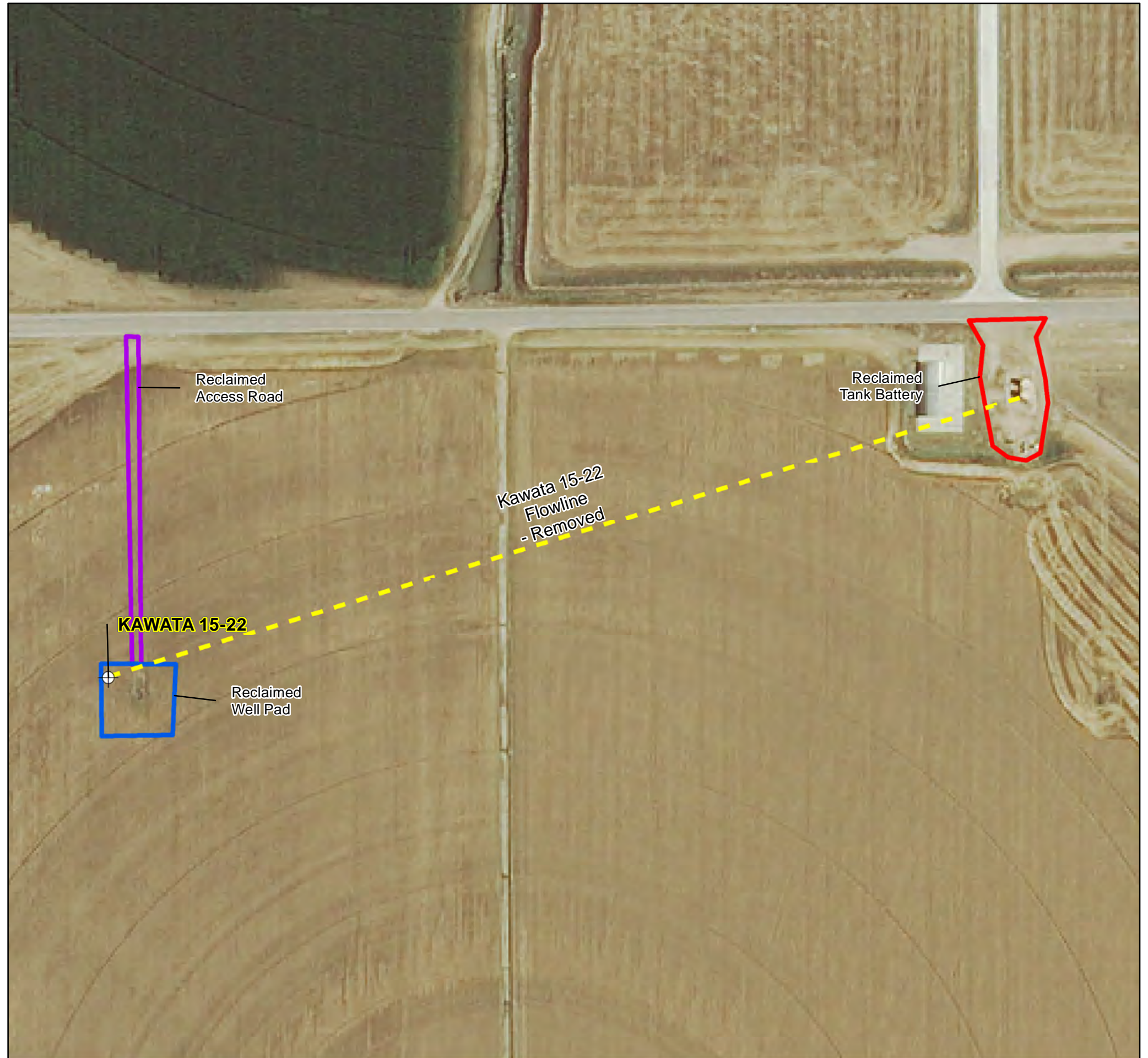
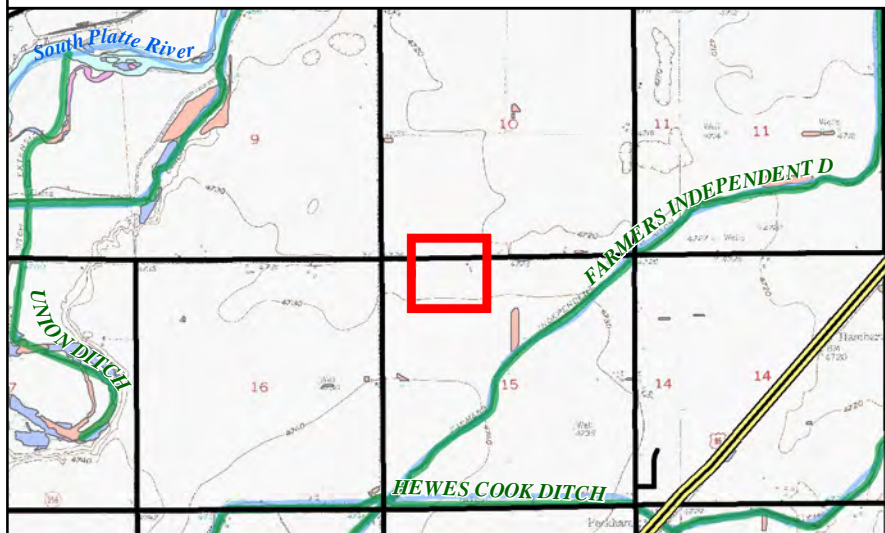


Editor: EJanak
File: PDC_Drone_Rec_PrePlugging_DDP

Scale: 1:1,800
Date: 12/4/2024

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

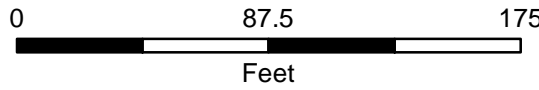
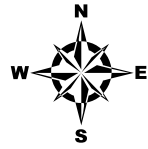
NAIP 2013 Imagery





PDC Form 4 Final Reclamation - Pre Plugging Overview

Kawata 15-22

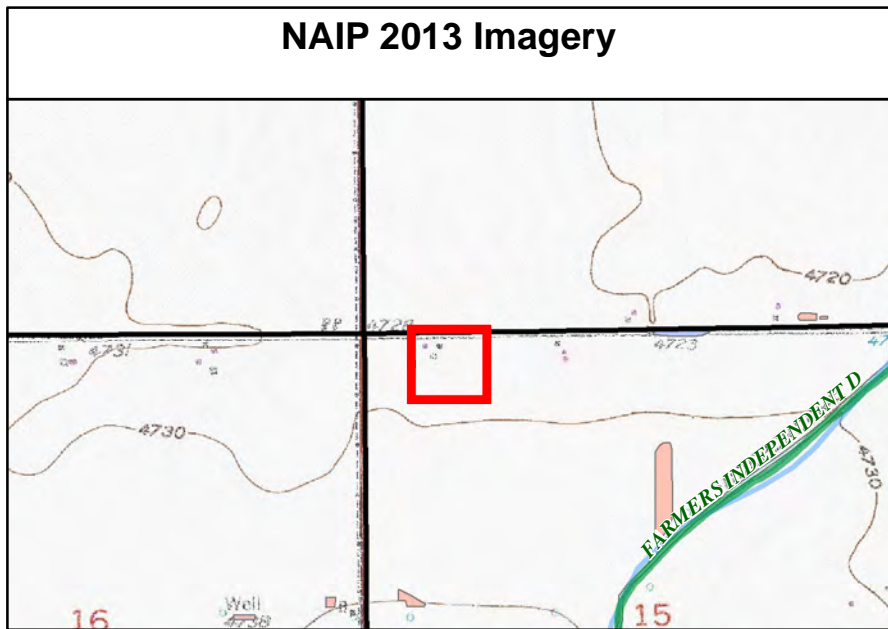


Editor: EJanak
File: PDC_Drone_Rec_PrePlugging_DDP

Prepared by:
Scale: 1:800
Date: 12/4/2024

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

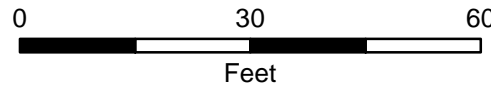
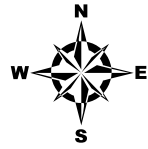
NAIP 2013 Imagery





PDC Form 4 Final Reclamation - Pre Plugging Overview

Kawata 15-22

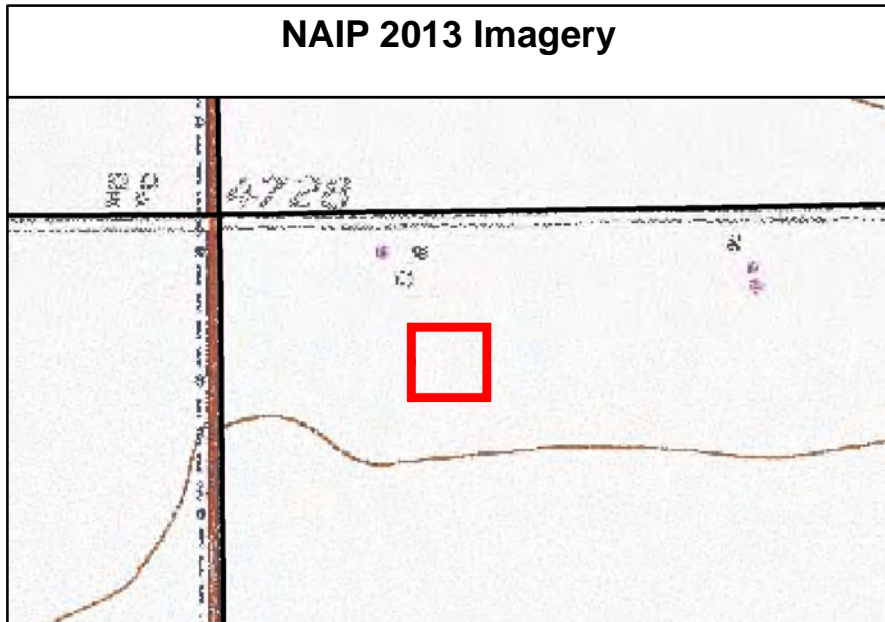


Prepared by:
Scale: 1:300
Date: 12/4/2024

Editor: EJanak
File: PDC_Drone_Rec_PrePlugging_DDP

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

NAIP 2013 Imagery

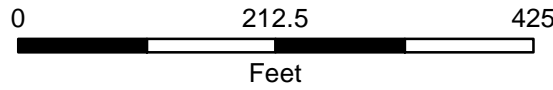
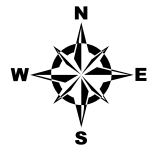


Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

Kawata 15-22

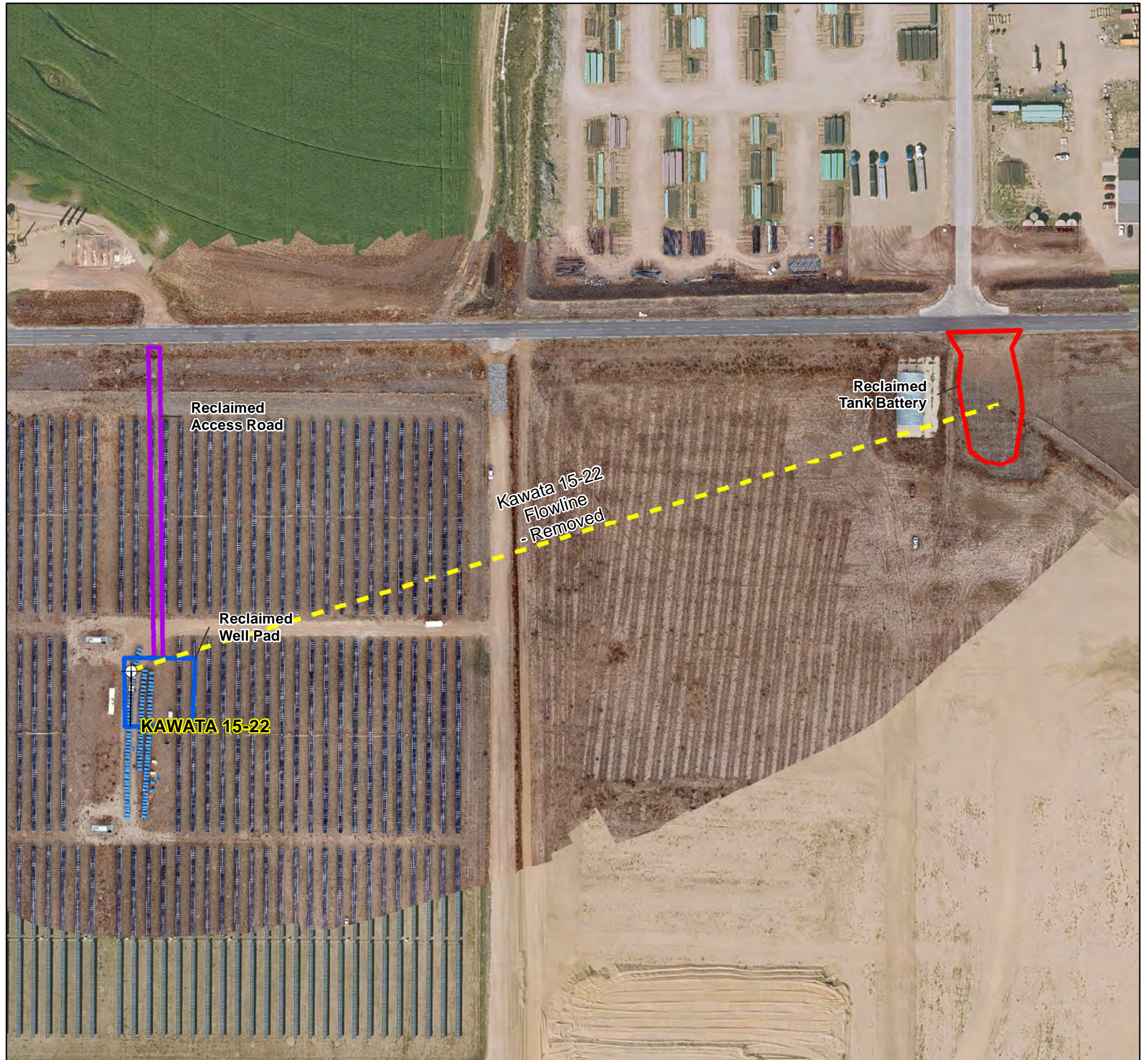
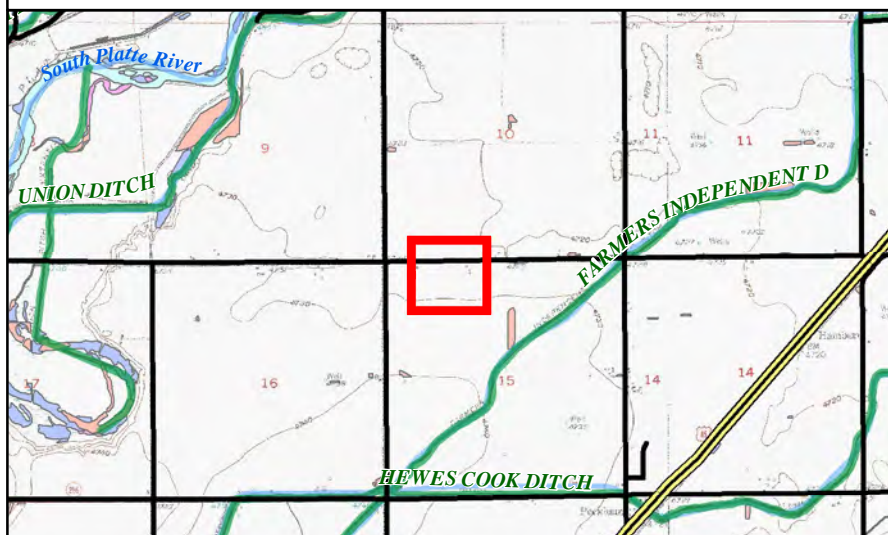


Editor: EJanak
File: PDC_Drone_Rec_PostPlugging_DDP

Scale: 1:1,900
Date: 12/4/2024

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

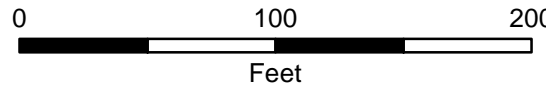
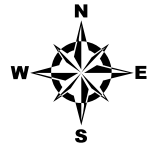
2024 Drone Imagery





PDC Form 4 Final Reclamation - Post Plugging Overview

Kawata 15-22

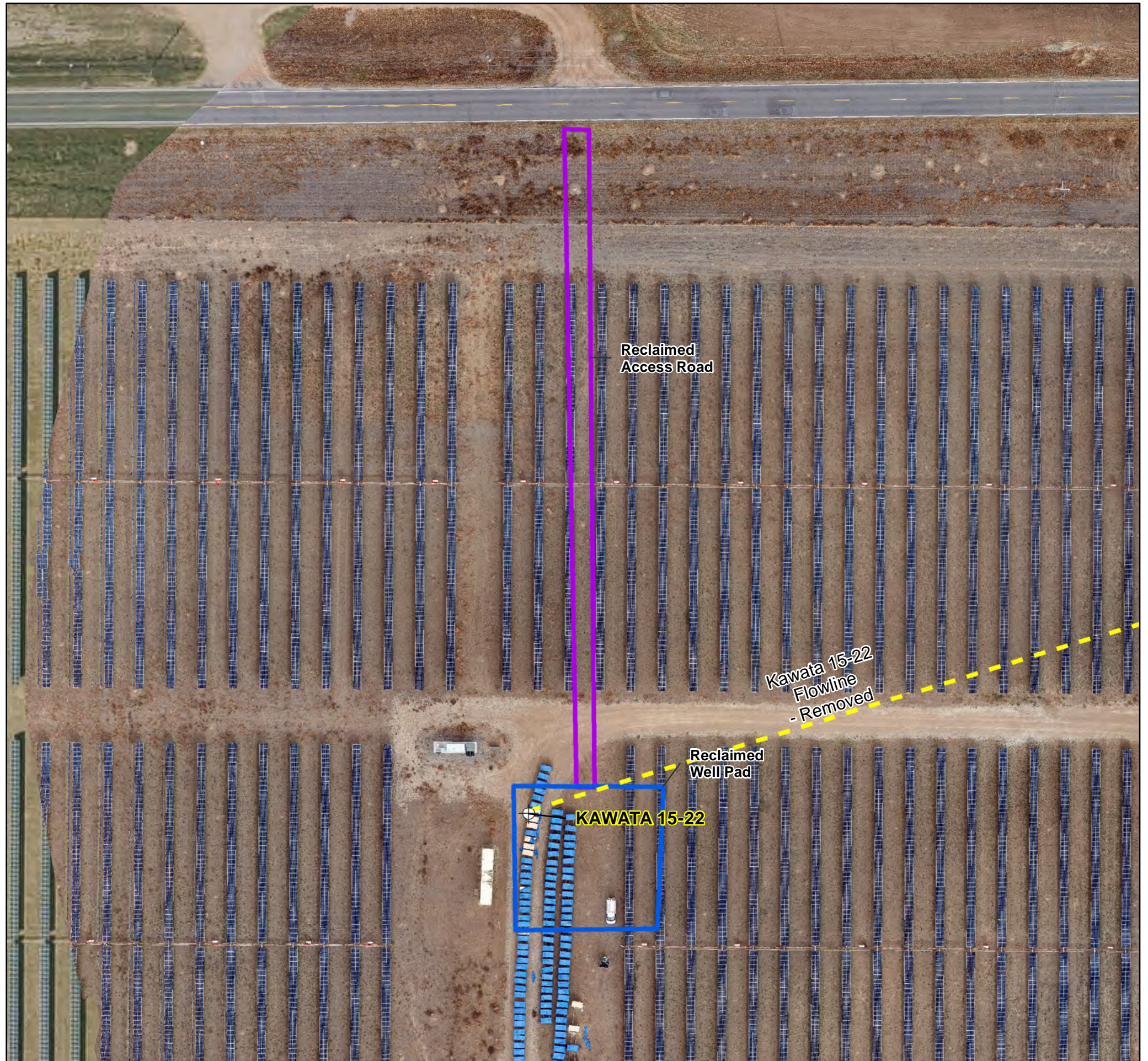
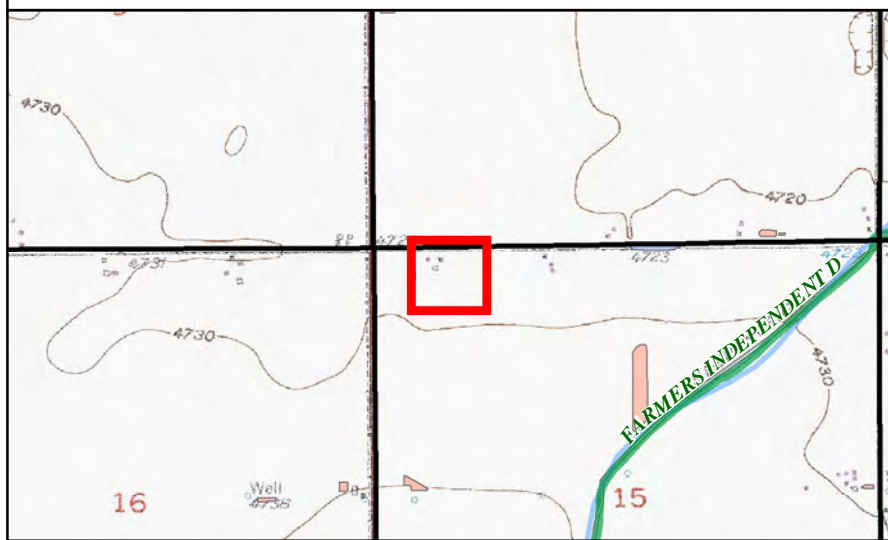


Prepared by:
Scale: 1:900
Date: 12/4/2024

Editor: EJanak
File: PDC_Drone_Rec_PostPlugging_DDP

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

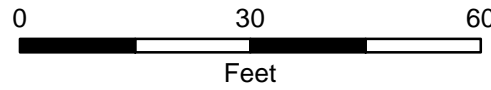
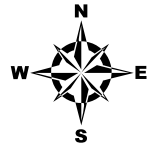
2024 Drone Imagery





PDC Form 4 Final Reclamation - Post Plugging Overview

Kawata 15-22

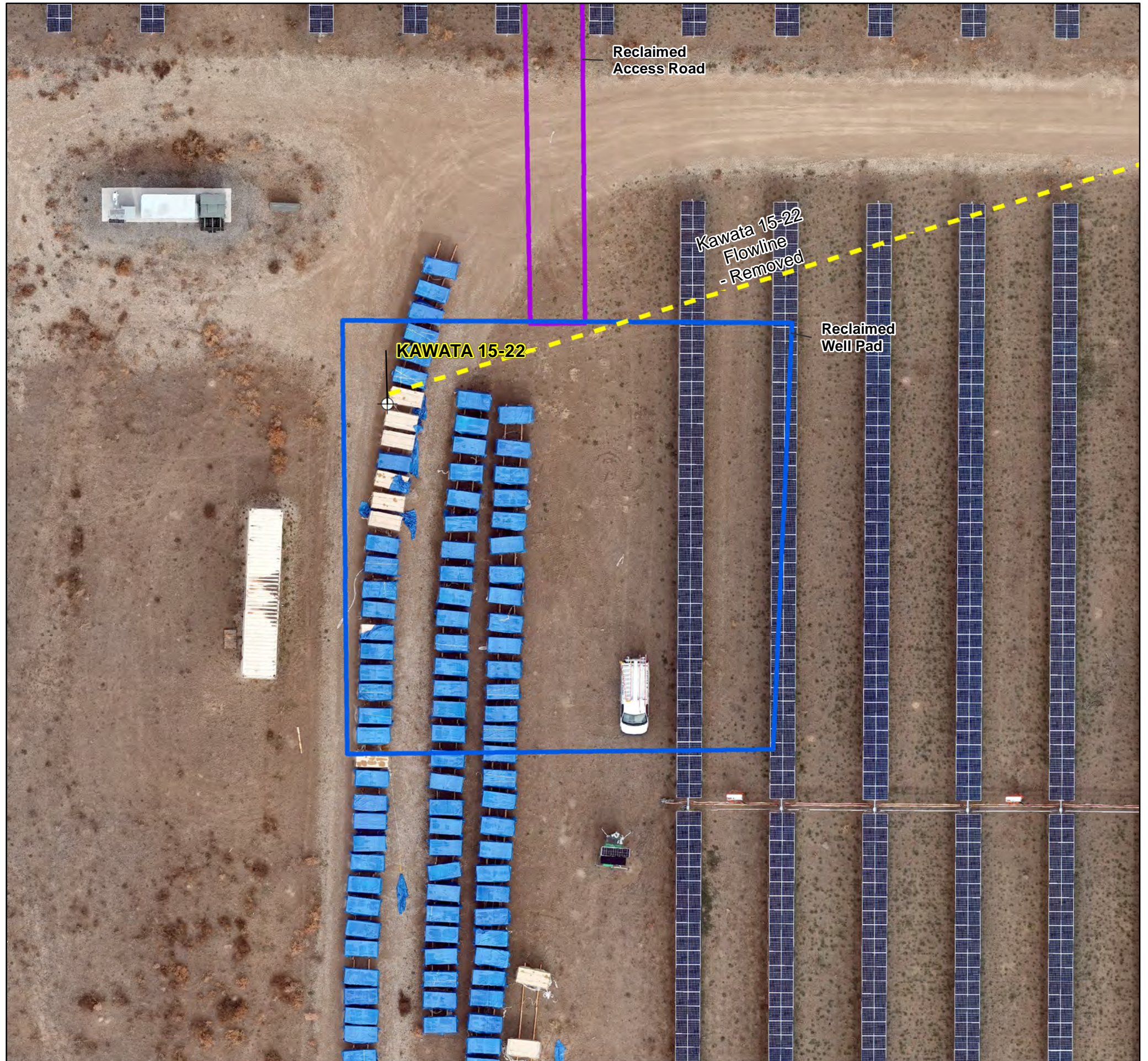
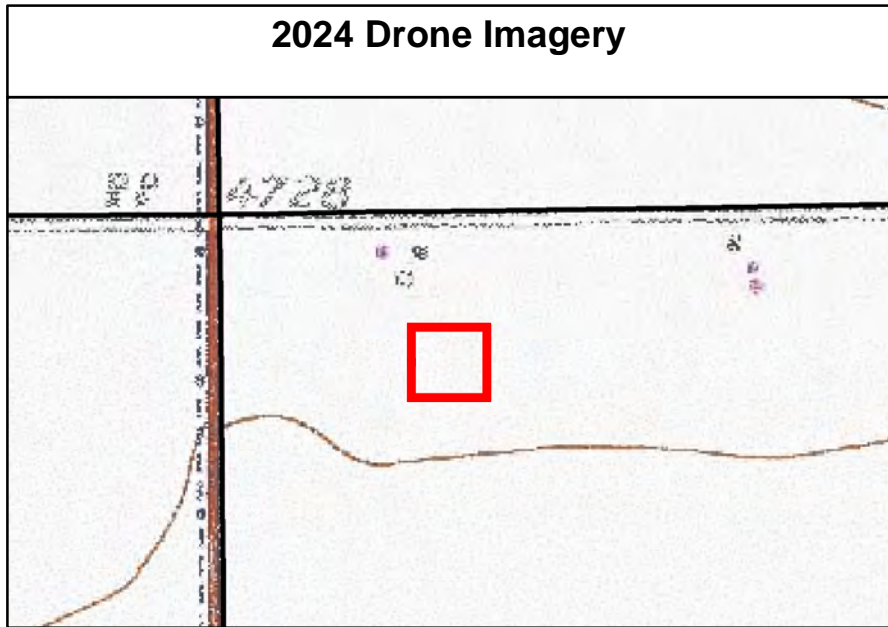


Prepared by:
Scale: 1:300
Date: 12/4/2024

Editor: EJanak
File: PDC_Drone_Rec_PostPlugging_DDP

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

2024 Drone Imagery



Cardinal Direction Drone Photos of the Reclaimed Area

Photo Dates:

10/31/2024

Drone Photo Height:

85'

North of Disturbance Facing South
Lat/Long: 40.31870683 / -104.77053775



South of Disturbance Facing North
Lat/Long: 40.31598597 / -104.77060933



West of Disturbance Facing East
Lat/Long: 40.3175581 / -104.7722484



East of Disturbance Facing West
Lat/Long: 40.31757217 / -104.76871956

