



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

Permit Closure Report – Land Use Change

Well Location ID: 407684

Well Location Name: DRAKE-65N66W/8SESE

Report Date:

11/18/2024

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:

Land Use – Housing Development

Inspection:

Performed by	H2E Inc.
Date	10/30/2024

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

Location Checklist



Operator / #	Original Operator: St James Energy Operating Inc - 110131 Replug by Other Operator: PDC Energy Inc - 69175			
Name / Location ID	DRAKE-65N66W/8SESE - 407684			
County	Weld			
Well Information	Well Name: DRAKE #8-2			
	Well API #: 05-123-11454			
	Lat/Long As Drilled: 40.408650 / -104.796470			
	Plug date & Form 6S Doc. #: 5/1/1998 - WELLS7100419; 8/12/2020 - #402487435			
Facility Entities	<input checked="" type="checkbox"/>	Tank Battery		Pits
	<input checked="" type="checkbox"/>	Wells	<input checked="" type="checkbox"/>	On-Location Flowlines (Form 42): Doc. #
		Domestic Taps		Off-Location Flowlines (Form 44): Doc. #
Equipment on Site	<input checked="" type="checkbox"/>	None		Debris
		Pit mouse/rat holes, cellars backfilled		
Access Road	<input checked="" type="checkbox"/>	Regraded	<input checked="" type="checkbox"/>	Contoured
		Culverts removed		Gravel removed
	<input checked="" type="checkbox"/>	Pre-existing: must provide supporting documentation		
Reclamation Status	<input checked="" type="checkbox"/>	Location and associated disturbances reclaimed		
		Subsidence		
Spills or Releases (Form 19)	<input checked="" type="checkbox"/>	No		Yes
Remediation (Form 27/27A)	<input checked="" type="checkbox"/>	No		Yes
On-Location Flowlines		No	<input checked="" type="checkbox"/>	Yes
Off-Location Flowlines	<input checked="" type="checkbox"/>	No		Yes
Inspection Corrective Actions	<input checked="" type="checkbox"/>	No		Yes
Sundry Notice (Form 4)	Form 4 Doc. # & Date: WELLS899539 - 5/4/1999			
	Purpose: Final Reclamation Site Closure			
	Comments: N/A			
	Attachments: N/A			
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	Temporary Land Use	Current Land Use
Reference Imagery for Infrastructure: Historic Aerials Viewer (1984)	No Imagery Available: Operations were brief in May of 2020	Remotely Sensed Imagery: 10/30/2024
Designation: Oil and Gas	Designation: Re-plugging Oil and Gas Operations	Designation: Housing Development

The following imagery sources were reviewed during this investigation:

NAIP Imagery from 2015, 2023, historic Google Earth imagery from 1985-2023, and historicaerials.com imagery from 1984.

Site Observation Notes

No Additional Information

Closure Information

This final reclamation completion notice is intended to close the DRAKE-65N66W/8SESE location which consists of the Drake #8-2 (API # 05-123-11454) wellhead. This wellhead does share a disturbance with its associated tank battery. The Drake #8-2 wellhead and associated pits, tanks, and flowlines were originally plugged and reclaimed in May of 1998 by St. James Energy Operating Inc. At this time, the associated flowline was removed. The time of the flowline removal precedes the 2007 abandonment reporting requirement; therefore, no flowline abandonment forms were identified. A sundry form was filed in May of 1999 for final reclamation and site closure (WELLS899539 - 5/4/1999). The land was subsequently converted to a housing development. In 2020, the wellhead was re-entered to re-plug by PDC Energy Inc for compliance prior to stimulation of a nearby well. After re-plugging operations, the area was reclaimed and returned to its current use as a housing development.

The Drake #8-2 location is in Weld County, Colorado and is approximately a tenth of a mile west of 71st Avenue and a tenth of a mile north of W 20th St. The wellhead was accessed from existing paved roads off 71st Ave and W 20th St. Due to the temporary nature of re-plugging activities, re-plugging operations only utilized the wellhead on this location as the tank battery and flowline had been removed during the original plugging effort in 1998. The operations had an inspector out daily and no Corrective Actions or violations were reported from those inspections. In addition, there were no Spills (Form 19) or Remediation Workplans (Form 27) associated with this site during re-plugging operations nor historic production operations.

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	.05
Access Road	Not Included
Flowline	Not Included
Tank Battery	Not Included
Well Pad	.05

Location Summary



Name	DRAKE-65N66W/8SESE		
Type	Wellhead		
Location ID	407684		
Operator / #	Original Operator: St James Energy Operating Inc - 110131 Replug by Other Operator: PDC Energy Inc - 69175		
Field	Wattenberg		
County, State	Weld, Colorado		
Lat/Long	40.408554 / -104.796782		
	Planned Location	X	As Drilled
Location	S ESE 8 5N66W		
Location Status - Date	CL - 4/14/2009		
Facility Entities	X	Tank Battery	Pits
	X	Wells	Off-Location Flowlines (Form 42)
		Domestic Taps	X 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 variance requests were identified.		
Sundry Notice (Form 4)	No sundry notice pertaining to series 900-1200 was identified for current operations. Original Sundry submitted for site closure from location abandonment in 1998.		
Sundry Notice (Form 4) (1998 abandonment and site closure)	Form 4 Doc. # & Date: WELLS899539 - 5/4/1999		
	Purpose: Final Reclamation Site Closure		
	Comments: N/A		
	Attachments: N/A		
On Location Flowlines (Form 42)	Flowlines associated with this facility were reclaimed under the original 1998 plug and abandon prior to the 2007 abandonment reporting requirement.		
Off-Location Flowlines (Form 42) Pre May 2018	Flowlines associated with this facility were reclaimed under the original 1998 plug and abandon prior to the 2007 abandonment reporting requirement.		
Field Inspection Form (Form INSP) (From pre-1998 Operations)	Form INSP Doc # & Date: #500167115 - 1/25/1996		
	Status Summary: Satisfactory		
	Inspected Facilities: Wellhead, Pit, Tank Battery		
	Inspection Status: PR		
	Inspection Date & Inspector: 1/25/1996 by Robert Vansickle Comments: N/A		
Field Inspection Form (Form INSP) (From 1998 Abandonment Operations)	Form INSP Doc # & Date: #500167116 - 4/29/1998; #500167117 - 4/30/1998; #500167118 - 5/1/1998		
	Status Summary: Unsatisfactory; Unsatisfactory; Satisfactory		
	Inspected Facilities: Well - Plugging operations		
	Inspection Status: PA		
	Inspection Date & Inspector: 4/29/1998 by Linda Pavelka; 4/30/1998 by Linda Pavelka; 5/1/1998 by Linda Pavelka		
	Comments: Cut pipe at 7000' and again at 5500' - Pipe stuck could not pull pipe Still trying to pull pipe Pumped 40 sack plug at 456', also witnessed 10 sack surface plug		

Field Inspection Form (Form INSP)	#697001788 - 8/3/2020; #697001790 - 8/4/2020; #697001794 - 8/5/2020; #697001796 - 8/6/2020; #697001798 - 8/7/2020; #697001800 - 8/8/2020; #697001802 - 8/10/2020; #697001804 - 8/11/2020; #697001806 - 8/12/2020; #697001810 - 8/13/2020	
	Form INSP Doc # & Date: #697001810 - 8/13/2020	
	Status Summary: No Follow Up Inspection Required	
	Inspected Facilities: Well	
	Inspection Status: WK	
	Inspection Date & Inspector: 8/3/2020 to 8/13/2020 by Tom Peterson	
	Comments: Re-entry and replug by PDCE.	
Inspection Corrective Actions (CAs)	No CAs identified.	
Environmental Incidents & Remediation	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Spill or Release (Form 19)
	<input type="checkbox"/> Remediation (Form 27/27A)	
Spill or Release (Form 19)	There were no spills identified during the records search.	
Site Investigation and Remediation Workplan (Form 27/27A)	There were no remediation workplans identified during the records search.	
COGIS Tank Location Information (Scout Card)	Tank Battery Name: No records available	
	Location ID: 407684	
	Status & Date: CL - 4/14/2009	
	Lat/Long: 40.408625 / -104.796014	
	Notes: No records available	
	Form 4 Doc # & Date: No records available	
Purpose: No records available		
COGIS Well Information (Scout Card)	Well Name: DRAKE #8-2	
	Facility ID: 243662	
	Status & Date: PA - 5/1/1998	
	Lat/Long: 40.408650 / -104.796470	
	Notes: N/A	
	Form 4 Doc # & Date: N/A	
Purpose: N/A		

Pre-Plugging Active Operations Location Overview (1984)

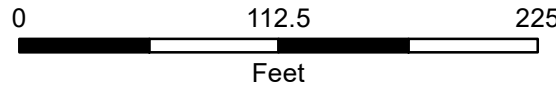
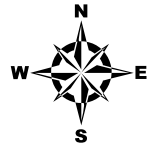


Pre-Plugging Land Use Location Overview (2013)



PDC Form 4 Final Reclamation - Pre Plugging Overview

DRAKE 8-2



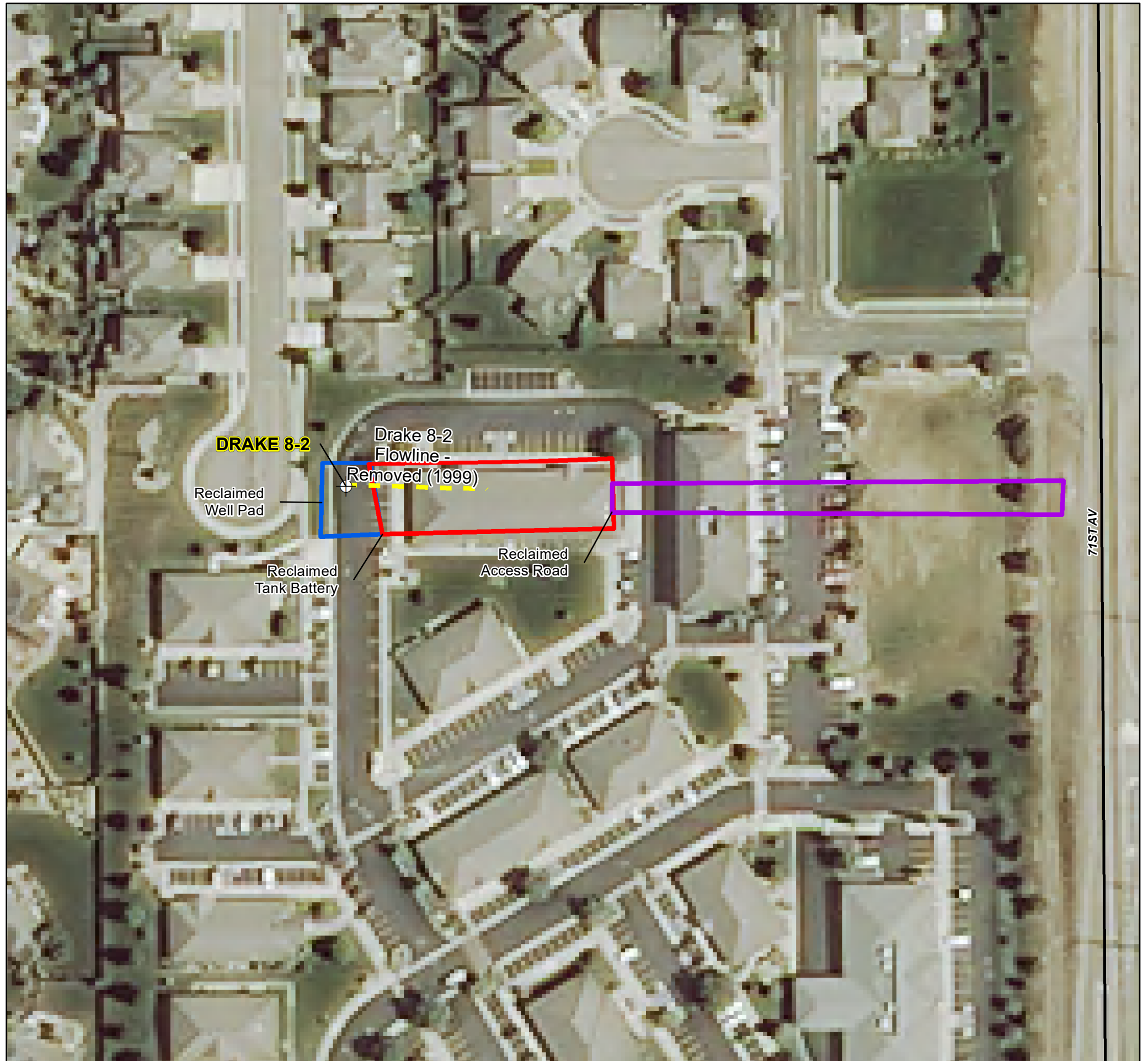
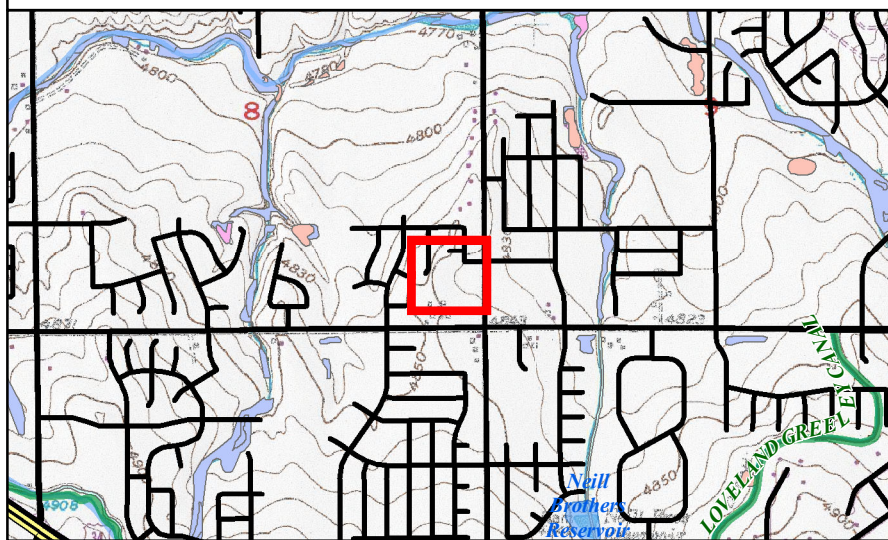
Prepared by:

Editor: EJanak
File: PDC_Drone_Rec_PrePlugging_DDP

Scale: 1:1,000
Date: 12/27/2024

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

NAIP 2013 Imagery

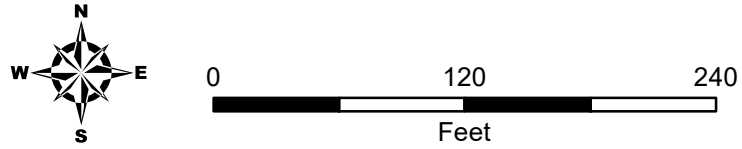


Post-Plugging and Abandonment Location Overview



PDC Form 4 Final Reclamation - Post Plugging Overview

DRAKE 8-2

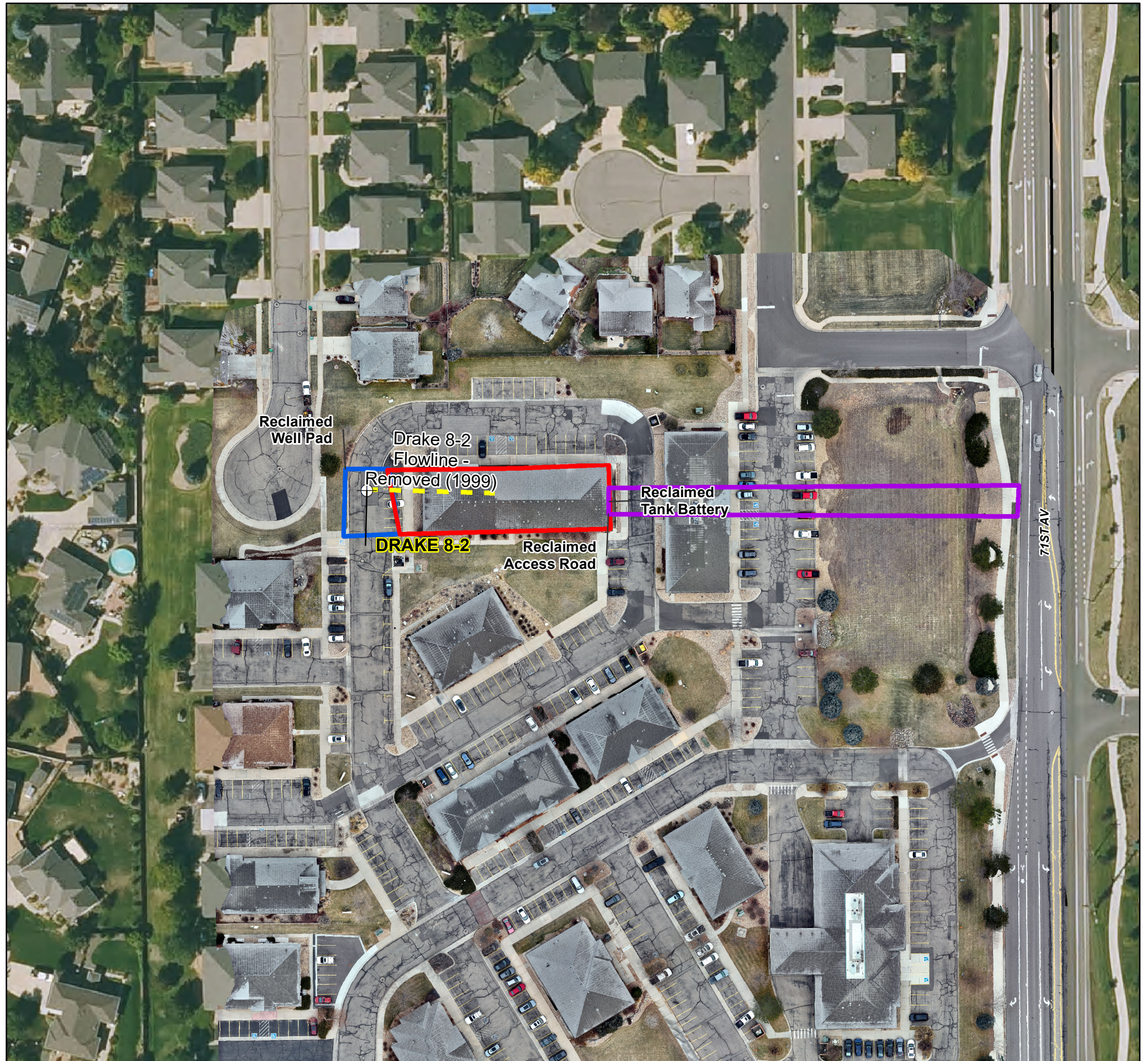
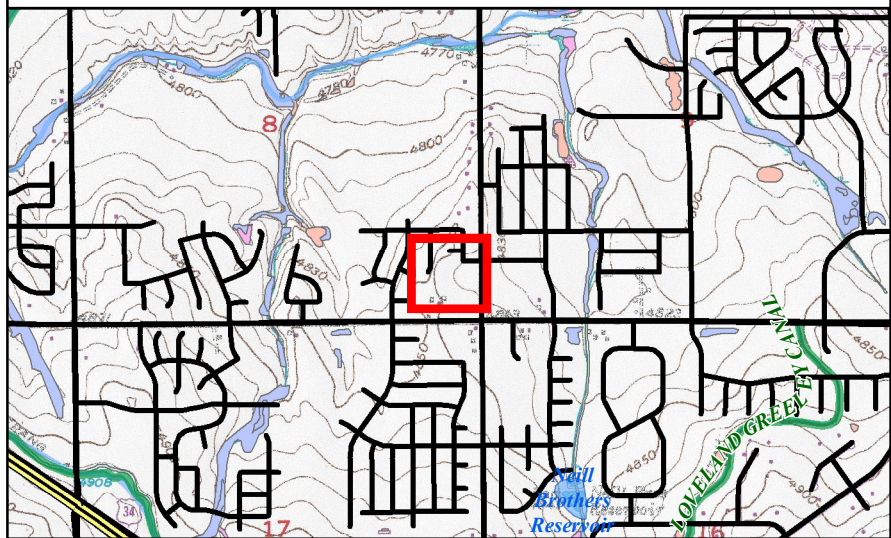


Editor: EJanak
File: PDC_Drone_Rec_PostPlugging_DDP

Scale: 1:1,100
Date: 12/27/2024

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

2024 Drone Imagery



Cardinal Direction Drone Photos of the Reclaimed Well Area

Photo Dates:

10/30/2024

Drone Photo Height:

85'

North of Well Disturbance Facing South
Lat/Long: 40.409550 / -104.796431



South of Well Disturbance Facing North
Lat/Long: 40.408132 / -104.796513



West of Well Disturbance Facing East
Lat/Long: 40.408675 / -104.797443



East of Well Disturbance Facing West
Lat/Long: 40.408588 / -104.795332



Handheld Photo of the Reclaimed Wellhead Area

Photo Dates:

10/30/2024

Reclaimed Wellhead Area:
Lat/Long: 40.408538 / -104.79644



10.29.2024 23:48