

SITE-SPECIFIC QUALITY ASSURANCE & QUALITY CONTROL AUDIT



Permit Closure Type – Final

PERMIT CLOSURE REPORT – DESIGNATION LAND USE CHANGE

Location ID: 320331

Location Name: PERGOLA-61S68W/15NWNE

Report Date

20 Aug 2025

Soil Sage has conducted a thorough data audit as part of our Quality Assurance and Quality Control (QA/QC) protocols. The audit revealed this site has gone through a land use change.

Quality Assurance & Quality Control Audit

Auditor	Soil Sage
Audit Date	23 Jun 2025

Audit Methodology

The following source materials were consulted during the QA and QC audit process:

- ✓ Site Permit Closures provided by CIVITAS Resources
- ✓ Colorado Oil & Gas Information System – COGIS Database
- ✓ On-site Evaluation and Proprietary Soil Sage Drone Imagery data collection
- ✓ Review of legacy imagery for site location and facility parameters
- ✓ Natural Resources Conservation Service (NRCS) Map Unit Description
- ✓ Hydrology Map

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

Site Description

Name	PERGOLA-61S68W/15NWNE		
Location ID	320331		
Well API #(s)	05-001-09024		
Operator / #	EXTRACTION OIL & GAS INC / 10459		
Field	WATTENBERG / 90750		
County, State	ADAMS, CO		
Lat/Long	39.969100 / -104.983540		
	Planned Location	X	As Drilled
Facility Status	CL	Location	NWNE 15 1S68W
Facility Status Date	11/12/2014	Access Road	Oil & Gas Access
Facility Entities	X	Tank Battery	Pits
	X	Wells	Off-Location Flowlines (Form 44)
		Domestic Taps	X On-Location Flowlines (Form 42)
Equipment Remaining on Site	X	None	Debris or Non-Oil & Gas
		List of Equipment:	
Environment Incidents & Remediation	X	None	Spill or Release (Form 19)
		Remediation (Form 27/27A)	
Inspection Corrective Actions (CA)s	<p>Corrective Actions (CA)s were detected during the QA & QC Audit.</p> <p>CA Overall Status: No CA Response from Operator at time of Audit</p> <p>Originating Field Inspection Report (FIR) Doc #: 674902727 & 04/18/2019</p> <ul style="list-style-type: none"> ○ Corrective Action: Perform reclamation in accordance to COGCC 1004 reclamation rules and requirements. Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of reference area levels. Ensure erosion controls are implemented to stabilize the seeded soil. Operator shall continue to monitor and manage this site until the location meets Rule 1004 standards. Operator is directed to perform corrective actions outlined on this inspection report immediately. Doing so may decrease the duration of the alleged violations and the penalties that may be assessed pursuant to Rule 523. <p>CA Date: None Listed</p>		
	<p>Complete ECMC Inspection Search Results: Link</p>		

<p>Sundry Notice (Form 4)</p>	<p>Form 4s were detected during the QA & QC Audit. See individual scout card data for details.</p>
<p>On Location Flowlines (Form 42)</p>	<p>Form 42s were detected during the QA & QC Audit. See individual scout card data for details.</p>
<p>Field Inspection Form (Form INSP)</p>	<p>Form INSP Doc # & Date: 674902727 & 04/18/2019</p> <ul style="list-style-type: none"> ○ Status Summary: FOLLOW UP INSPECTION REQUIRED, Corrective Action Response Requested ○ Inspected Facilities: Loc ID 320331 ○ Inspection Status: None Listed ○ Inspection Date & Inspector: 03/29/2019 by Russell Beam ○ Comments: This is a Final Reclamation Inspection for the PA Well. Well was plugged 10/7/2014. Inspection was conducted on 3/29/19 by I, Russell Beam, COGCC Reclamation Specialist at the location. The following Corrective Actions were observed during the Inspections. 1004,a Final Reclamation. This location is not in compliance due to the reclamation is not at percent cover and has non-uniform establishment of crop cover – CA Date 3/29/2019. Operator is directed to perform corrective actions outlined on this inspection report immediately. Doing so may decrease the duration of the alleged violations and the penalties that may be assessed pursuant to Rule 523. End of summary. No visual evidence of equipment on location. No indication of other facilities identified with aerial assessment. This location is not in compliance with Rule 1004a due to the reclamation is not at percent cover and has non-uniform establishment of crop cover. No land use change information is on file. Please refer to the attached inspection photos for more detail. Corrective Action: Perform reclamation in accordance to COGCC 1004 reclamation rules and requirements. Establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of reference area levels. Ensure erosion controls are implemented to stabilize the seeded soil. Operator shall continue to monitor and manage this site until the location meets Rule 1004 standards. Operator is directed to perform corrective actions outlined on this inspection report immediately. Doing so may decrease the duration of the alleged violations and the penalties that may be assessed pursuant to Rule 523. CA Date: None Listed <ul style="list-style-type: none"> ○ Overall Final Reclamation: Fail

	<ul style="list-style-type: none"> ○ Attachments: Inspection Photos Doc #674902768 <p>Form INSP Doc # & Date: 673504394 & 06/14/2017</p> <ul style="list-style-type: none"> ○ Status Summary: None Checked ○ Inspected Facilities: Pergola 2-15 Well ○ Inspection Status: RI ○ Inspection Date & Inspector: 06/07/2017 by Ryan Costa ○ Comments: 2017 Flowline NTO Inspection 1000' Buffer. No visual evidence of equipment on location. No indication of other facilities identified with aerial imagery assessment. There is no visual evidence of disturbance, equipment, or debris that remains. See Attached Photo. ○ Attachments: Inspection Photos Doc #673504395
<p>COGIS Tank Facilities Information (Scout Card)</p>	<p>No Tank Battery documents were detected during this QA/QC Audit. However, the Tank Battery can be seen in Historic Imagery and is located on-site.</p>
<p>COGIS Well Information (Scout Card)</p>	<p>Well Name: PERGOLA #2-15 API#: 05-001-09024 FACILITY ID: 203465 Complete ECMC Inspection Search Results for Well: Link</p> <ul style="list-style-type: none"> ○ Status & Date: PA & 10/07/2014 ○ Lat/Long as Drilled: 39.969100 / -104.983540 ○ Form 6 Doc # & Date: 400717007 & 11/23/2015 ○ Form 42 Doc # & Date: 400751370 & 12/12/2014 Purpose: FLOWLINES ABANDONED - per RULE 1103. Date completed: 11/24/2014 ○ Form 4 Doc # & Date: 400725696 & 11/09/2014 Purpose: DIGITAL WELL LOG UPLOAD ○ Form 42 Doc # & Date: 400694862 & 09/24/2014 Purpose: START OF PLUGGING OPERATIONS - 48-hour notice required. Date: 09/26/2014 Time: 0800

ECMC Abbreviations: [Location & Facility Status Codes](#), [Inspection Types & Statuses](#) and [ECMC Help](#).

Audit Key Findings – Designation Land Use Observations

PREVIOUS LAND USE	CURRENT LAND USE
Reference Imagery for Infrastructure: USGS 08 Jul 1978; Microsoft 15 Mar 2012	Remotely Sensed Imagery: 03 Jun 2025
Designation: Oil & Gas Facility	Designation: 25 Commerce Park Industrial Park

The following imagery sources were reviewed during this Audit: EarthExplorer, DRCOG, USDA NAIP, ESRI, Google Earth and Soil Sage Remotely Sensed Imagery.

Closure Information

Pergola #2-15 well (API #[05-001-09024](#)) is in Adams County, Colorado near the intersection of Washington Street and East 148th Avenue. The Production Facility for this Well is located On-Site. This Location has undergone a Land Use Change from Oil & Gas to 25 Commerce Park, a Class A Industrial Park.

There was a Corrective Action at this location in 2019 due to the need for additional reclamation work to meet guidance requirements. There is no response to this Corrective Action at the time of this Audit.

Pergola #2-15 well (API #[05-001-09024](#)) was plugged and abandoned on October 7th, 2014. The well access road was reclaimed at this time. The On-Site Production Facility was closed and reclaimed at the same time.

Soil Sage 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	1.76
Access Road	0.10
Flowline	Not Included
Tank Battery	Included
Well Pad	1.66

Drone Information

Make	DJI
Model	M300/Mavic 3 Multispectral
Image Processing Software	Pix4dfields – RGB/Multispectral Imagery & Pix4dmatic – RGB Imagery
Pilot Name	Sam Streeter
Pilot FAA Certificate Number	4100157
Date of FAA Certificate Issuance	23 Dec 2023

Cardinal Photos

Site Investigation and Photos Date

03 Jun 2025

Cardinal directional photos of the site.



In View – Well, Tank Battery, Access Road, Flowline

NORTH – 39.968363 / -104.983523



In View – Well, Tank Battery, Access Road, Flowline

EAST – 39.969095 / -104.984534



In View – Well, Tank Battery, Access Road, Flowline

SOUTH – 39.969700 / -104.983486



In View – Well, Tank Battery, Access Road, Flowline

WEST – 39.969027 / -104.982733



In View – Well, Tank Battery, Access Road, Flowline

NORTHEAST – 39.968372 / -104.983627



In View – Well, Tank Battery, Access Road, Flowline

SOUTHWEST – 39.970981 / -104.981627



In View – Pre-Existing Access Road

EAST – 39.971192 / -104.981430



In View – Pre-Existing Access Road

WEST – 39.971204 / -104.978511

Ground Photos

Site Investigation and Photos Date

03 Jun 2025

Handheld photos taken from PERGOLA #2-15 wellhead (API #05-001-09024).



ATTACHMENTS

Maps and Figures

Area Maps

Pre-Plugging Overview (1978, 2012)

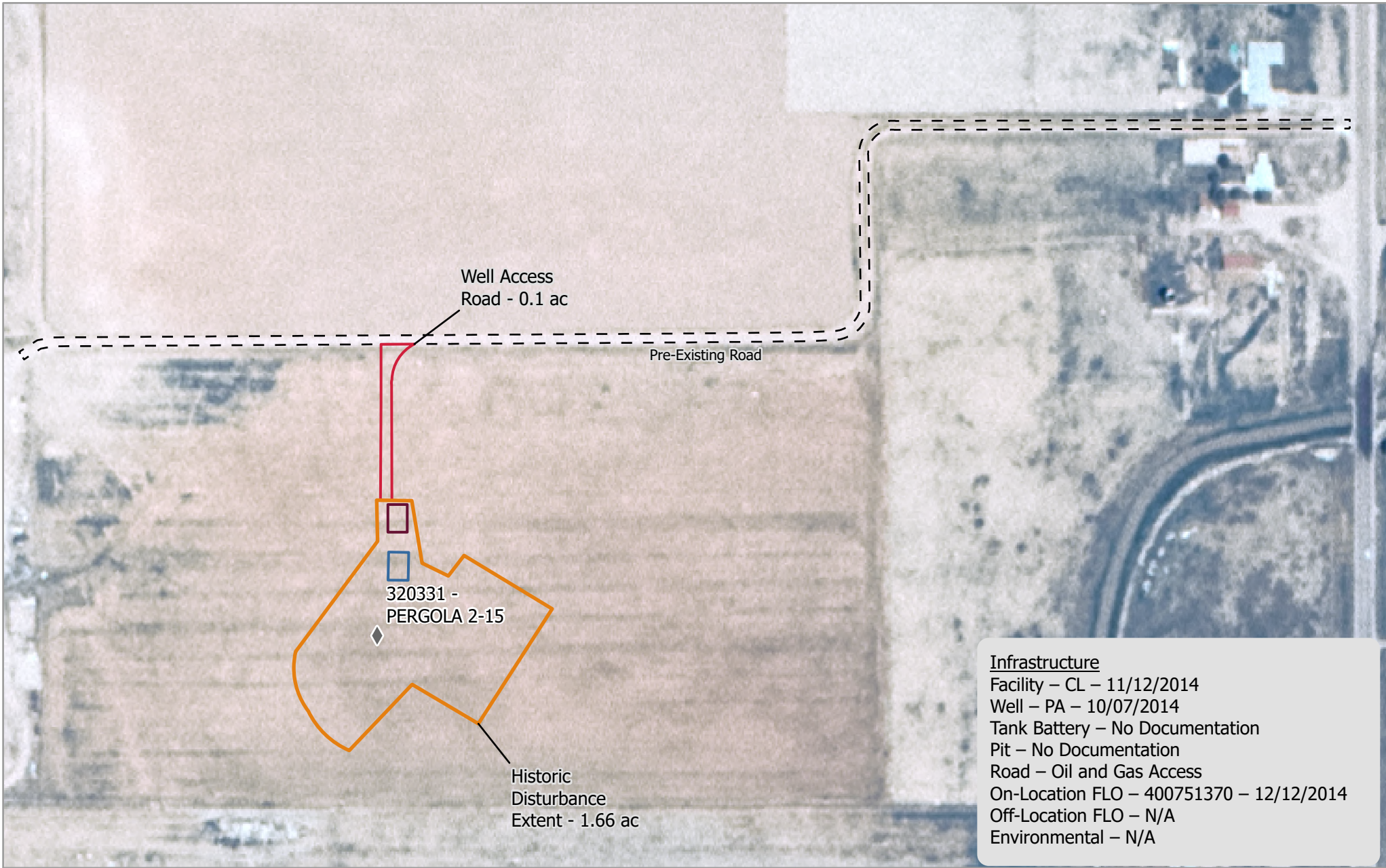
Post-Plugging Overview

Hydrology – (2 CCR 404-1 – 303.b.3.G pg.34)

Background Information

Natural Resources Conservation Service (NRCS) Map Unit Description

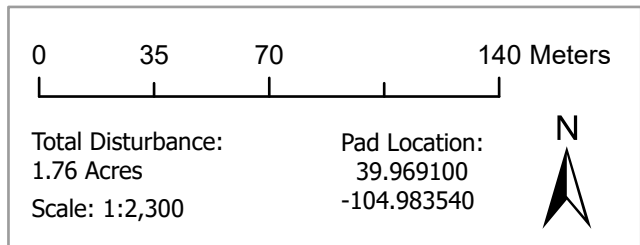
Reference Soil Document



CIV - 320331- PERGOLA 2-15
Map Extent - Pre-Infrastructure
Overview

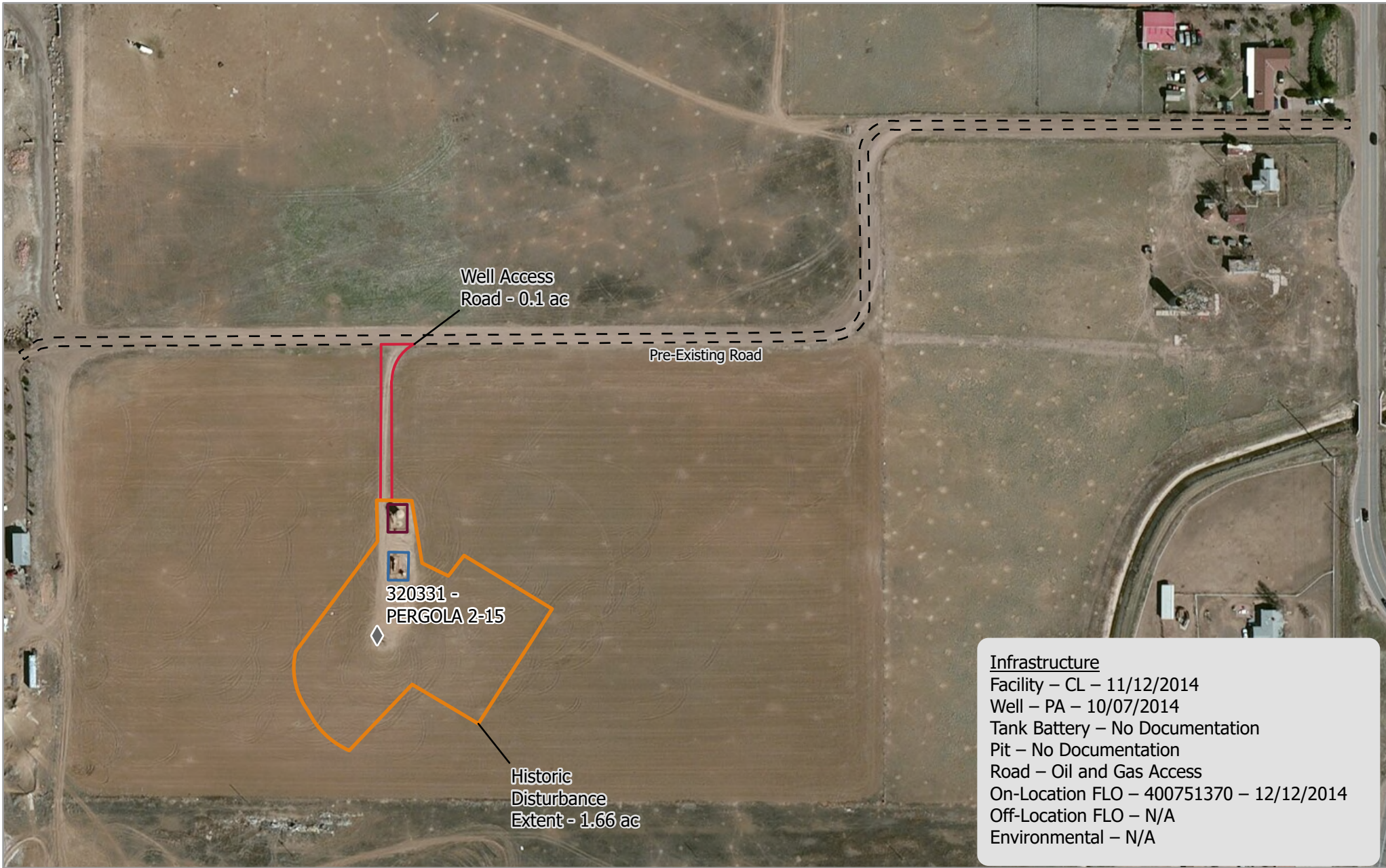
Imagery: USGS
 Imagery Date: 8 Jul 1978
 Map Date: 03 Aug 2025
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

- ◆ Wells
- ▭ Historic Disturbance Extent
- ▭ Well Access Road
- - - Pre-Existing Road
- ▭ Tank Battery
- ▭ Separator



Service Credits - Maxar, Microsoft

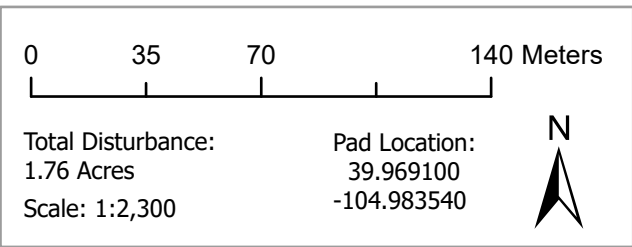




CIV - 320331- PERGOLA 2-15
Map Extent - Pre-Plugging Overview

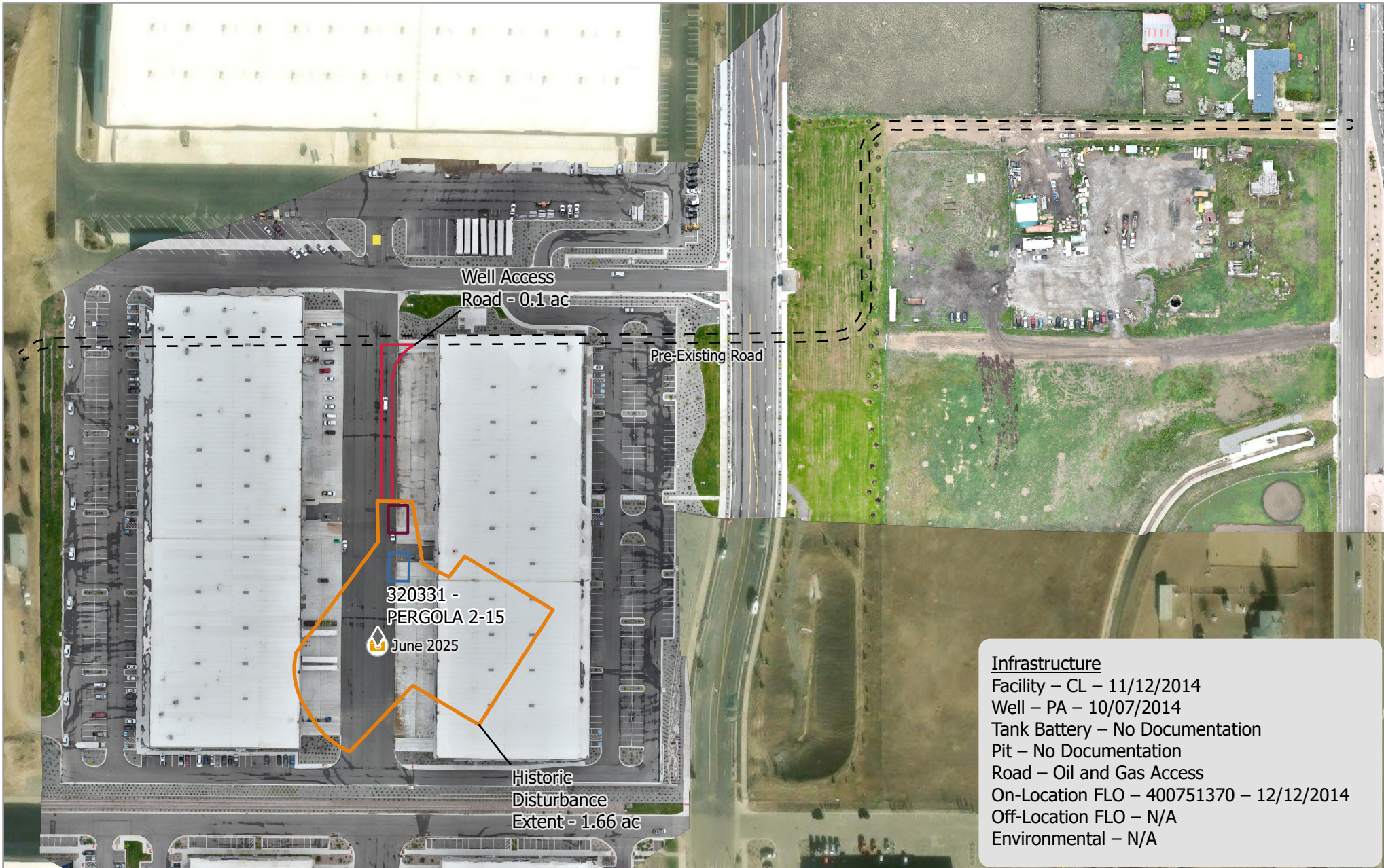
Imagery: Microsoft
 Imagery Date: 15 Mar 2012
 Map Date: 03 Aug 2025
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

- ◆ Wells
- ▭ Historic Disturbance Extent
- ▭ Well Access Road
- - - Pre-Existing Road
- ▭ Tank Battery
- ▭ Separator



Service Credits - Maxar, Microsoft, Esri, DigitalGlobe, Earthstar Geographics, CNES/Airbus DS, USDA FSA, USDA, AeroGRID, IGN, and the GIS User Community



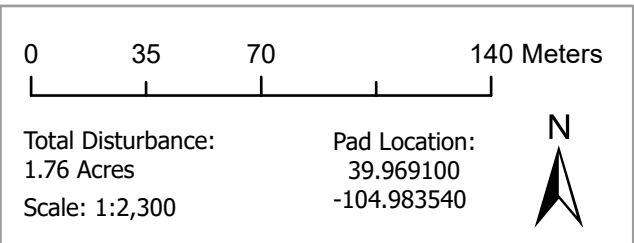


Infrastructure
 Facility – CL – 11/12/2014
 Well – PA – 10/07/2014
 Tank Battery – No Documentation
 Pit – No Documentation
 Road – Oil and Gas Access
 On-Location FLO – 400751370 – 12/12/2014
 Off-Location FLO – N/A
 Environmental – N/A

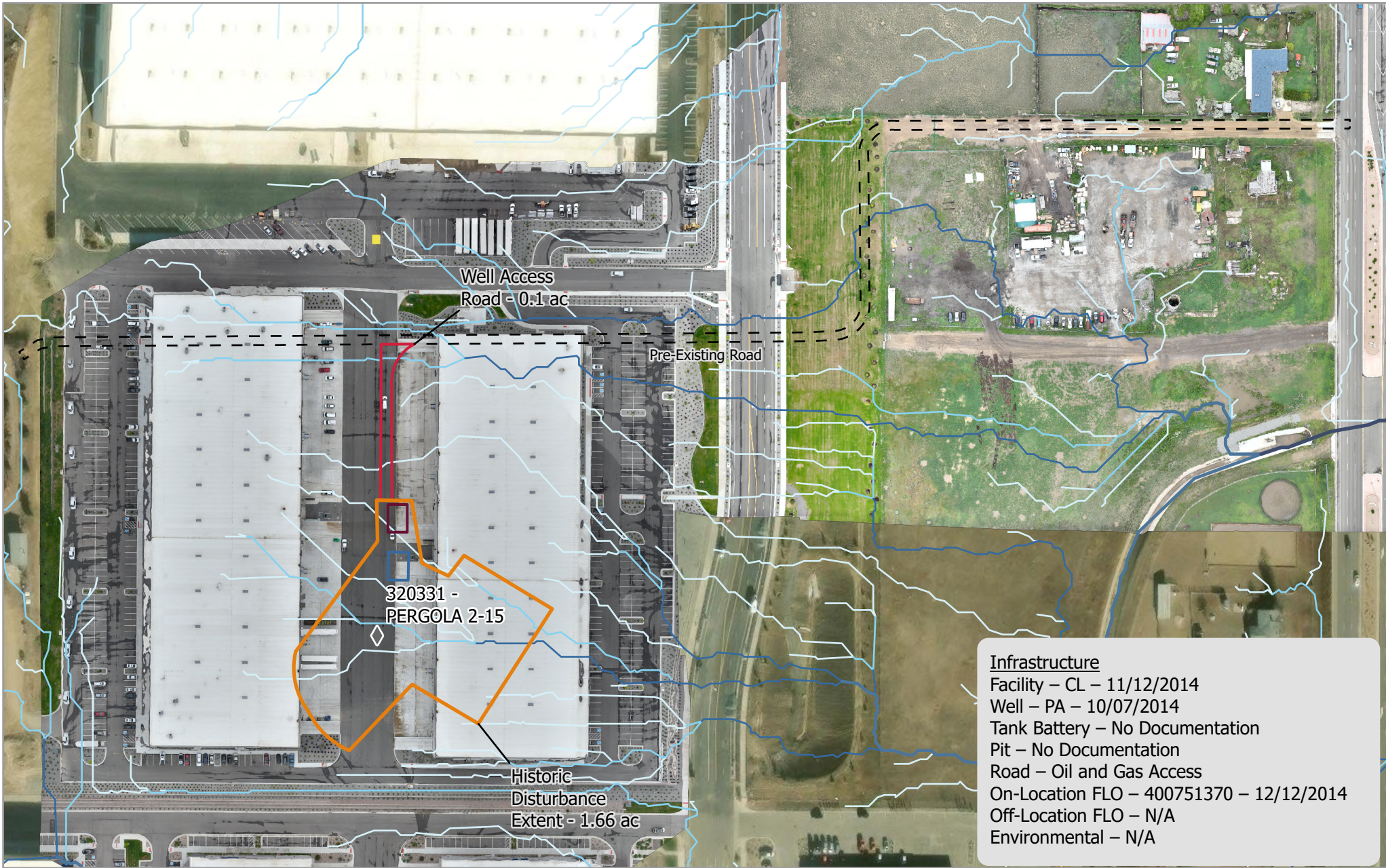
CIV - 320331- PERGOLA 2-15
Map Extent - Post-Plugging Overview

Imagery: RS Orthomosaic
 Imagery Date: 3 Jun 2025
 Map Date: 03 Aug 2025
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

- ◆ Wells
- 📷 Observation Points
- 🟠 Historic Disturbance Extent
- 🔴 Well Access Road
- ⚭ Pre-Existing Road
- 🟡 Tank Battery
- 🔵 Separator



Service Credits - Maxar, Microsoft



Infrastructure
 Facility – CL – 11/12/2014
 Well – PA – 10/07/2014
 Tank Battery – No Documentation
 Pit – No Documentation
 Road – Oil and Gas Access
 On-Location FLO – 400751370 – 12/12/2014
 Off-Location FLO – N/A
 Environmental – N/A

CIV - 320331- PERGOLA 2-15
Map Extent - Hydrology

Imagery: RS DSM, Orthomosaic
 Imagery Date: 3 Jun 2025
 Map Date: 03 Aug 2025
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

		Stream Order
◆	Wells	1
▭	Historic Disturbance Extent	2
▭	Well Access Road	3
▭	Pre-Existing Road	4
▭	Tank Battery	5
▭	Separator	

0 35 70 140 Meters

Total Disturbance: 1.76 Acres
 Scale: 1:2,300

Pad Location:
 39.969100
 -104.983540

N



Soil Properties

USDA Soil Description

Reference Soil Information

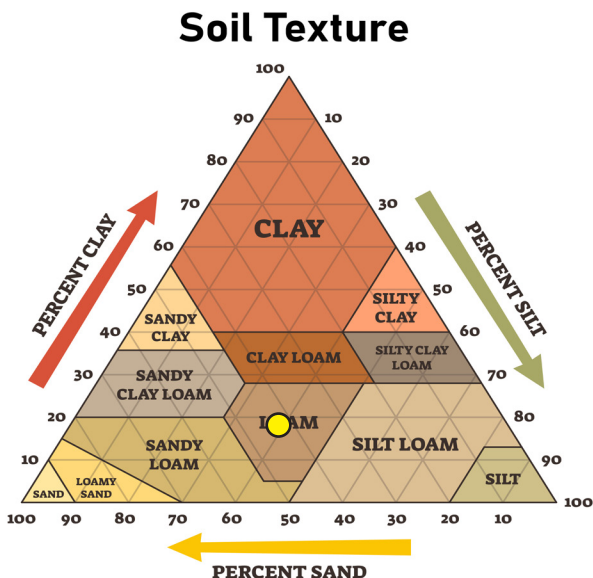
The location of the site is contained within three soil types, Platner Loam at two slopes and Ulm Loam.

Map Unit PIB Reference Soil information - Platner Loam

This soil is formed from mixed eolian deposits over tertiary aged alluvium derived from igneous, metamorphic and sedimentary rock. Landform is interfluvies. Ecological Site Description is Loamy Plains. Soils are well-drained with a moderate water holding capacity, and slope 0 to 3 percent.

Depth (in)	Physical			Chemical			
	Texture	Bulk Density	Particle Size Percent sand, silt, clay	pH	EC	SAR	OM%
0-6	Loam	1.41	43-38-19	7.2	0.5	0.0	1.50
6-11	Clay	1.36	30-30-40	7.6	0.5	0.0	1.50
11-20	Clay	1.36	30-30-40	7.6	0.5	0.0	1.50
20-27	Loam	1.56	37-37-27	8.2	0.5	0.0	0.75
27-37	Sandy Clay Loam	1.54	61-19-20	8.5	0.5	0.0	0.50
37-80	Sandy Clay Loam	1.58	61-19-20	8.5	0.5	0.0	0.50

Soil Texture Triangle reflect the 0-10 in depth



Erosion Potential (10 inches)

- K Factor, Whole soil - .43. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.
- Wind Erodibility Group – 5. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible.

Soil Properties

USDA Soil Description

Reference Soil Information

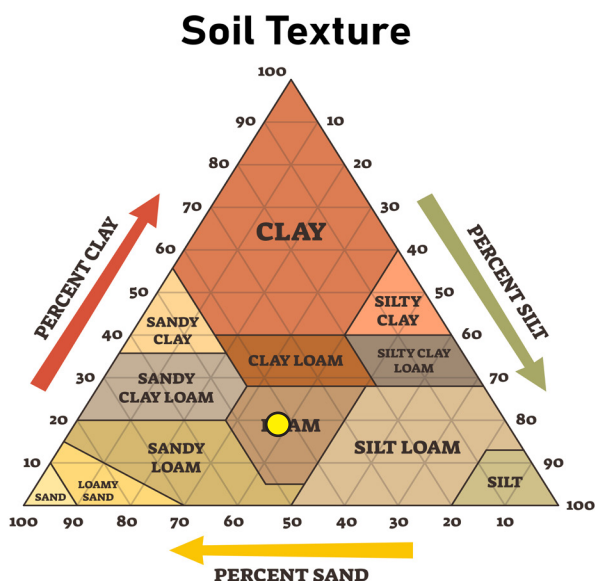
The location of the site is contained within three soil types, Platner Loam at two slopes and Ulm Loam.

Map Unit PIC Reference Soil information - Platner Loam

This soil is formed from mixed eolian deposits over calcareous tertiary alluvium. Landform is interfluves. Ecological Site Description is Loamy Plains. Soils are well-drained with a moderate water holding capacity, and slope 3 to 5 percent.

Depth (in)	Physical			Chemical			
	Texture	Bulk Density	Particle Size Percent sand, silt, clay	pH	EC	SAR	OM%
0-6	Loam	1.50	43-38-19	7.2	0.5	0.0	1.10
6-11	Clay	1.36	30-30-40	7.6	0.5	0.0	1.00
11-20	Clay	1.36	30-30-40	7.6	0.5	0.0	1.00
20-27	Clay Loam	1.56	37-36-28	8.2	0.5	0.0	0.75
27-37	Sandy Clay Loam	1.53	61-19-20	8.5	0.5	0.0	0.50
37-80	Sandy Loam	1.59	69-15-17	8.5	0.1	0.0	0.50

Soil Texture Triangle reflect the 0-10 in depth



Erosion Potential (10 inches)

- K Factor, Whole soil - .37. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.
- Wind Erodibility Group – 5. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible.

Soil Properties

USDA Soil Description

Reference Soil Information

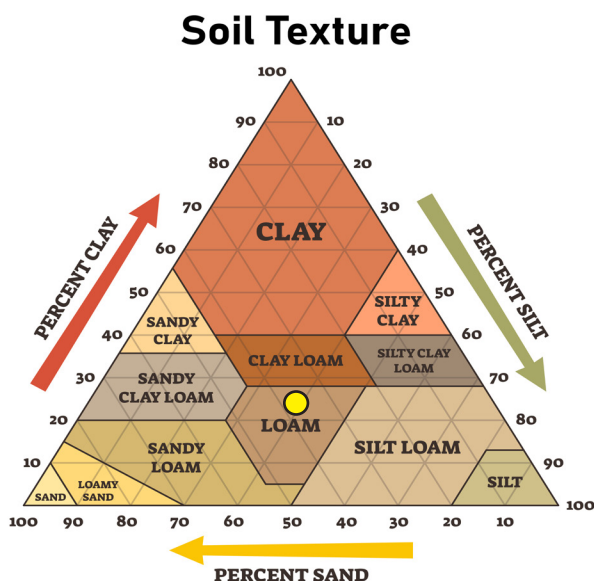
The location of the site is contained within three soil types, Platner Loam at two slopes and Ulm Loam.

Map Unit UIC Reference Soil information - Ulm Loam

This soil is formed from residuum weathered from sandstone and shale. Landform is plains. Ecological Site Description is Loamy Plains. Soils are well-drained with a moderate water holding capacity, and slope 3 to 5 percent.

Depth (in)	Physical			Chemical			
	Texture	Bulk Density	Particle Size Percent sand, silt, clay	pH	EC	SAR	OM%
0-7	Loam	1.33	39-37-24	7.6	0.0	0.0	0.75
7-13	Silty Clay	1.23	7-48-45	7.9	0.0	0.0	0.75
13-30	Clay	1.23	26-29-45	8.2	0.0	0.0	0.25
30-48	Clay Loam	1.33	34-32-34	8.2	1.0	0.0	0.25
48-52	Unweathered Bedrock	N/A	N/A	N/A	N/A	N/A	N/A

Soil Texture Triangle reflect the 0-10 in depth



Erosion Potential (10 inches)

- K Factor, Whole soil - .32. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

- Wind Erodibility Group – 6. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible.