Location Checklist

Operator / #	BONANZA CREEK ENERGY OPERATING COMPANY LLC / 8960			
Location ID & Name	305240 Park/33-4 Pad			
County	Weld, CO			
Well Information	Well Name:	PARK #33-4		
	Well API #:	05-123-22696		
	Lat/Long as Drilled:	40.339740 / -104.439930		
	Plug Date & Form 6s Doc #:	01/23/2019 & 401932708		
Facility Entities	X	Tank Battery (Off-Site)		Pits
	X	Wells	X	On-Location Flowlines (Form 42) Doc #: 401912583
		Domestic Taps	X	Off-Location Flowlines (Form 44) Doc #: 402026822
Equipment On-Site	X	None		Debris
		Pit mouse/rat holes, cellars backfilled		
Access Road	X	Regraded	X	Contoured
		Culverts removed	X	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		No	X	Yes
Off-Location Flowlines		No	X	Yes
Inspection Corrective Actions		No	X	Yes – Resolved 2017
Sundry Notice	Form 4 Doc # & Date:	401728975 & 05/15/2019		
	Purpose:	NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS. Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3). Date well temporarily abandoned: 04/05/2017.		
	Comments:	This Form 4 is being submitted post P&A of this well as the form was returned to draft in Fall of 2018 due to insufficient comment. Since then, this well has been P&A'd (Form 6 SR Doc #401932708). This Form 4 is being submitted to provide full record of TA status prior to PA.		
	Attachments:	Operations Summary Doc # 402015403		
Drone Information	Make & Model	DJI M300/DJI Mavic 3 Multispectral		
	Image Processing Software	Pix4dfields – RGB/Multispectral Imagery & Pix4dmatic – RGB Imagery		
	Pilot Name & FAA Certificate #	Sam Streeter, #4100157		
	Date of FAA Certificate Issuance	23 Dec 2023		

SITE-SPECIFIC QUALITY ASSURANCE & QUALITY CONTROL AUDIT

Final Reclamation Complete Notice – Cropland Drone Imagery

PERMIT CLOSURE REPORT – CROPLAND

Location ID 305240
Location Name Park/33-4 Pad

Report Date

18 Feb 2025

Soil Sage has conducted a thorough data audit as part of our Quality Assurance and Quality Control (QA/QC) protocols. This report was developed in accordance with the ECMC Operator Guidance – Operator supplied cropland drone imagery and information for submitting a final reclamation complete notice.

Crop Year and Type

Crop 2024 – Corn

Quality Assurance & Quality Control Audit

Auditor	Soil Sage
Audit Date	13 Nov 2024

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

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

Site Description

Name	Park/33-4 Pad			
Location ID	305240			
Operator / #	BONANZA CREEK ENERGY OPERATING COMPANY LLC / 8960			
Field	WATTENBERG / 90750			
County, State	Weld, CO			
Lat/Long	40.339740 / -104.439930			
		Planned Location	X	As Drilled
Facility Status	CL	**Location**		NWSE 4 4N63W
Facility Status Date	01/23/2019			
Facility Entities	X	Tank Battery (Off-Site)		Pits
	X	Wells	X	Off-Location Flowlines (**Form 44**)
		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	X	Gravel Removed
		Pre-Existing: must provide supporting documentation		
Environment Incidents & Remediation	X	None		Spill or Release (**Form 19**)
		Remediation (**Form 27/27A**)		
Variance Requests	**No Variance Requests were detected during this QA & QC Audit.**			
Inspection Corrective Actions (CA)s	**Corrective Actions (CA)s were detected during the QA & QC Audit.** **CA Overall Status:** 2 of 2 CAs Completed **CA-Approving Inspection Doc # & Date:** 680703937 & 04/17/2017 ○ **Inspector:** Tom Peterson **Form FIRR Doc # & Submittal Date:** 401240984 & 04/11/2017 ○ **Overall Status:** CAC ○ **Originating Field Inspection Report (FIR) Doc #:** 680703850 ○ **CA#:** 67127 **Date Completed:** 03/21/2017 Repair or install berms or other secondary containment devices per Rule 605.a.(4). **ECMC Decision:** Approved pending re-inspection			

	○ **CA#:** 67128 **Date Completed:** 03/22/2017 Contact COGCC_Engineering@state.co.us with resolution plan. **ECMC Decision:** Approved
	Complete ECMC Inspection Search Results: Link
Sundry Notice (Form 4)	**Form 4 Doc # & Date:** 401209520 & 03/31/2017 ○ **Purpose:** CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER. From: Name PARK-64N63W Number 4NWSE To: Name Park Number 33-4 Pad Effective Date: 02/14/2017
	Form 4s were detected during the QA & QC Audit. See individual scout card data for details.
On Location Flowlines (Form 42)	**Form 42s were detected during the QA & QC Audit.** See individual scout card data for details.
Off-Location Flowlines (Form 44)	**Form 44 Doc # & Date:** 402026822 & 07/27/2020 ○ **Purpose:** Abandonment ○ **Abandonment Date:** 02/08/2019 ○ **ECMC Approval Date & Signee:** 05/14/2019 by Jeff Robbins ○ **Operator Comments:** None **Flowline Facility Information** ○ **ECMC Flowline ID:** 463738 ○ **Operator Flowline ID:** Park 33-4 Flowline ○ **Status & Date:** CL & 02/08/2019 ○ **Flowline Type:** Wellhead Line ○ **Type of Fluids Transported:** Multiphase ○ **Start Point Location ID:** 305240 ○ **Start Point Riser Lat/Long:** 40.339741/-104.439974 (PARK #33-4 Well) ○ **Equipment at Start Point:** Well ○ **End Point Location ID:** 463360 ○ **End Point Riser Lat/Long:** 40.338269/-104.440693 (Park/33-4 Flowline Production Facilities) ○ **Equipment at End Point Riser:** Separator

Field Inspection Form (Form INSP)	**Form INSP Doc # & Date:** 680703937 & 04/17/2017 ○ **Status Summary:** THIS IS A FOLLOW UP INSPECTION. NO FOLLOW UP INSPECTION REQUIRED. ○ **Inspected Facilities:** PARK 33-4 (Well) ○ **Inspection Status:** TA ○ **Inspection Date & Inspector:** 04/10/2017 by Tom Peterson ○ **Comments:** Panel. Automation array. Control Device N40.33823 W-104.44066. Horizontal Heated Separator N40.33810 W-104.44067. Berm condition noted in prior inspection document #680703850 has been corrected. See attached photo. HZ safety prep. Operator has contacted COGCC engineering regarding production reporting issues. Bradenhead valve is exposed at surface. ○ **Attachments:** Inspection Photos Doc # 680703938 **Form INSP Doc # & Date:** 680703850 & 04/04/2017 ○ **Status Summary:** FOLLOW UP INSPECTION REQUIRED ○ **Inspected Facilities:** PARK 33-4 (Well) ○ **Inspection Status:** TA ○ **Inspection Date & Inspector:** 03/17/2017 by Tom Peterson ○ **Comments:** Emission Control Device N40.33823 W-104.44066. Meter run inlet has been shut-in, locked and tagged out. See attached photo. Horizontal Heated Separator N40.33810 W-104.44067. Berm walls have eroded down. See attached photo. Last reported gas production 10/2013. No current MIT on record or delinquent as required by Rule 326. Bradenhead valve is exposed at surface. Well production is currently being incorrectly reported to COGCC. ○ **Attachments:** Inspection Photos Doc # 680703851, 680703852, 680703853
COGIS Tank Facilities Information (Scout Card)	**No Tank Battery documents were detected during this QA/QC Audit.** However, the Tank Battery is referenced in Form 44 Doc # 402026822 as the end point of the Off-Location Flowline and is located at Location ID 463360.

COGIS Well Information (Scout Card)	**Well Name**: PARK #33-4 **API#**: 05-123-22696 **FACILITY ID**: 275906 ○ **Status & Date**: PA & 01/23/2019 ○ **Lat/Long as Drilled**: 40.339740 / -104.439930 ○ **Form 6 Doc # & Date:** 401932708 & 06/29/2019 ○ **Form 4 Doc # & Date:** 401728975 & 05/15/2019 **Purpose:** NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS. Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3). Date well temporarily abandoned: 04/05/2017. Has Production Equipment been removed from site? Yes. Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT 05/01/2017. **Attachments:** Operations Summary Doc # 402015403 ○ **Form 42 Doc # & Date:** 401912583 & 01/22/2019 **Purpose:** START OF PLUGGING OPERATIONS - 48-hour notice required. Date: 01/23/2019.

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 DOW 1999; USGS NAIP 2013	**Remotely Sensed Imagery:** 29 Aug 2024; 15 Jan 2025
Designation: Oil & Gas Facility	**Designation:** Cropland

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

Site Observation Notes

No additional information.

In accordance with ECMC guidance, this cropland evaluation has demonstrated that this location has been returned to its original condition and crops are reflective of the cropland reference areas.

Closure Information

Location ID 305240 Park/33-4 Pad is in Weld County, Colorado near the intersection of County Road 50 and County Road 67. There is one plugged and abandoned well (PARK #33-4 API # 05-123-22696). There is an Off-Location Flowline (Flowline ID 463738) between this well and the Off-Site Production Facility at Location ID 463360.

There were two Corrective Actions at this location in March 2017 due to needing to repair or install berms or other secondary containment devices per Rule 605.a.(4). and needing to contact COGCC with resolution plan. These were resolved in April 2017 and an ECMC inspection approved the CA on April 17th, 2017.

PARK #33-4 well (API # 05-123-22696) was plugged and abandoned on January 23rd, 2019. The access road was reclaimed at this time. The related Off-Site Production Facility, Location ID 463360, was closed and reclaimed at the same time. At some point in 2024, it appears the farmer needed to access his pivot for repairs, creating a small path through the crop just south of the PARK #33-4 well. This pivot repair path is not related to this Location, refer to Post-Plugging Overview Map and August 2024 Drone Cardinal Photos on Page 14 of this report.

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	0.64
Access Road	0.06
Flowline	Not Included
Tank Battery	Off-Site (Loc ID 463360)
Well Pad	0.58

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

CIV - 305240- Park 33-4
Map Extent - Pre-Infrastructure Overview

Imagery: USGS DOQ
Imagery Date: 1999
Map Date: 23 Jan 2025
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

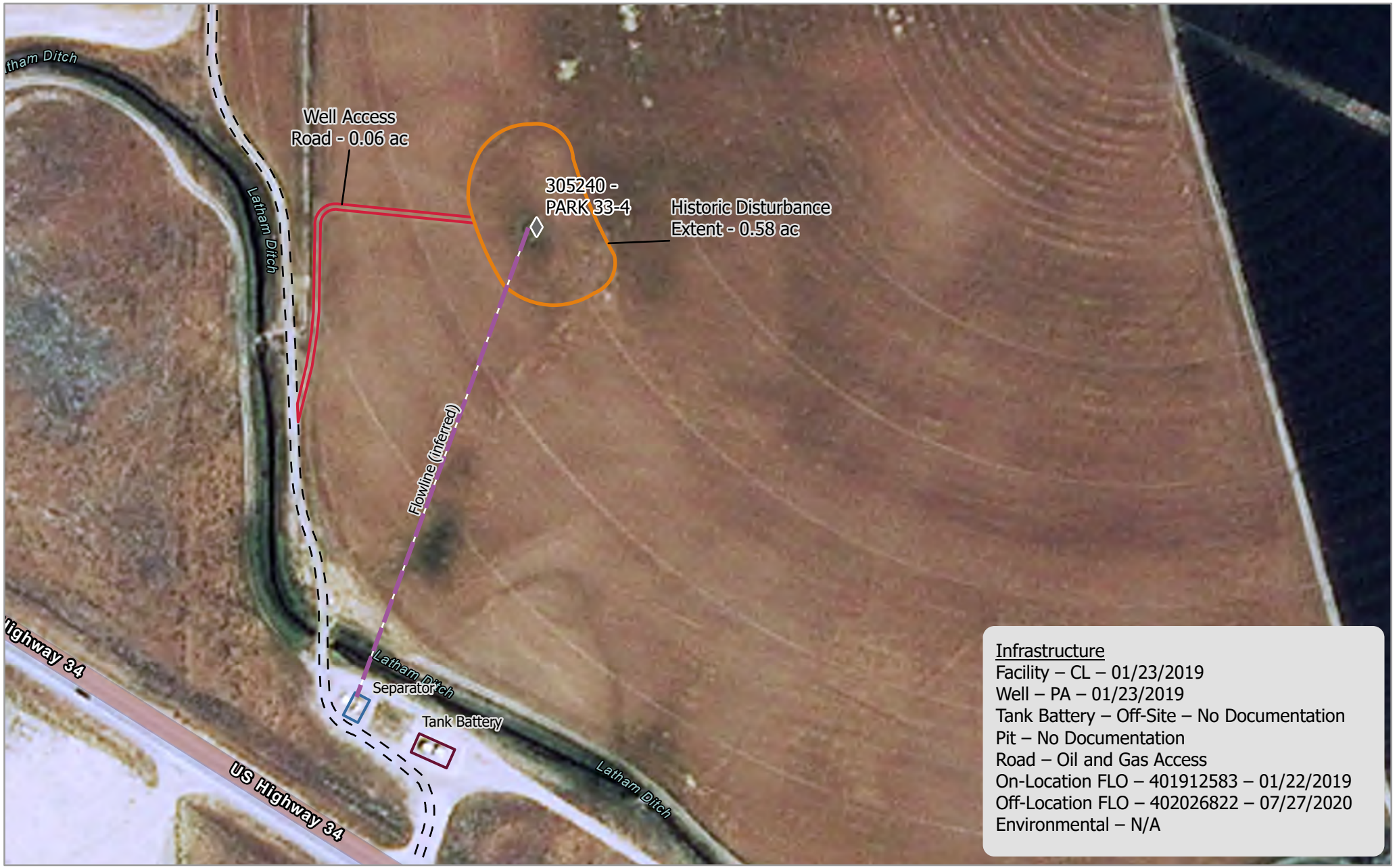
Wells
Center Pivot Road

0 45 90 180 Meters

Scale: 1:3,200

Pad Location:
40.339740
-104.439930

N



CIV - 305240- Park 33-4
Map Extent - Pre-Plugging Overview

Imagery: USGS NAIP
Imagery Date: 2013
Map Date: 16 Feb 2025
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

Wells
Flowline
Historic Disturbance Extent
Well Access Road
Tank Battery
Separator
Center Pivot Access Road

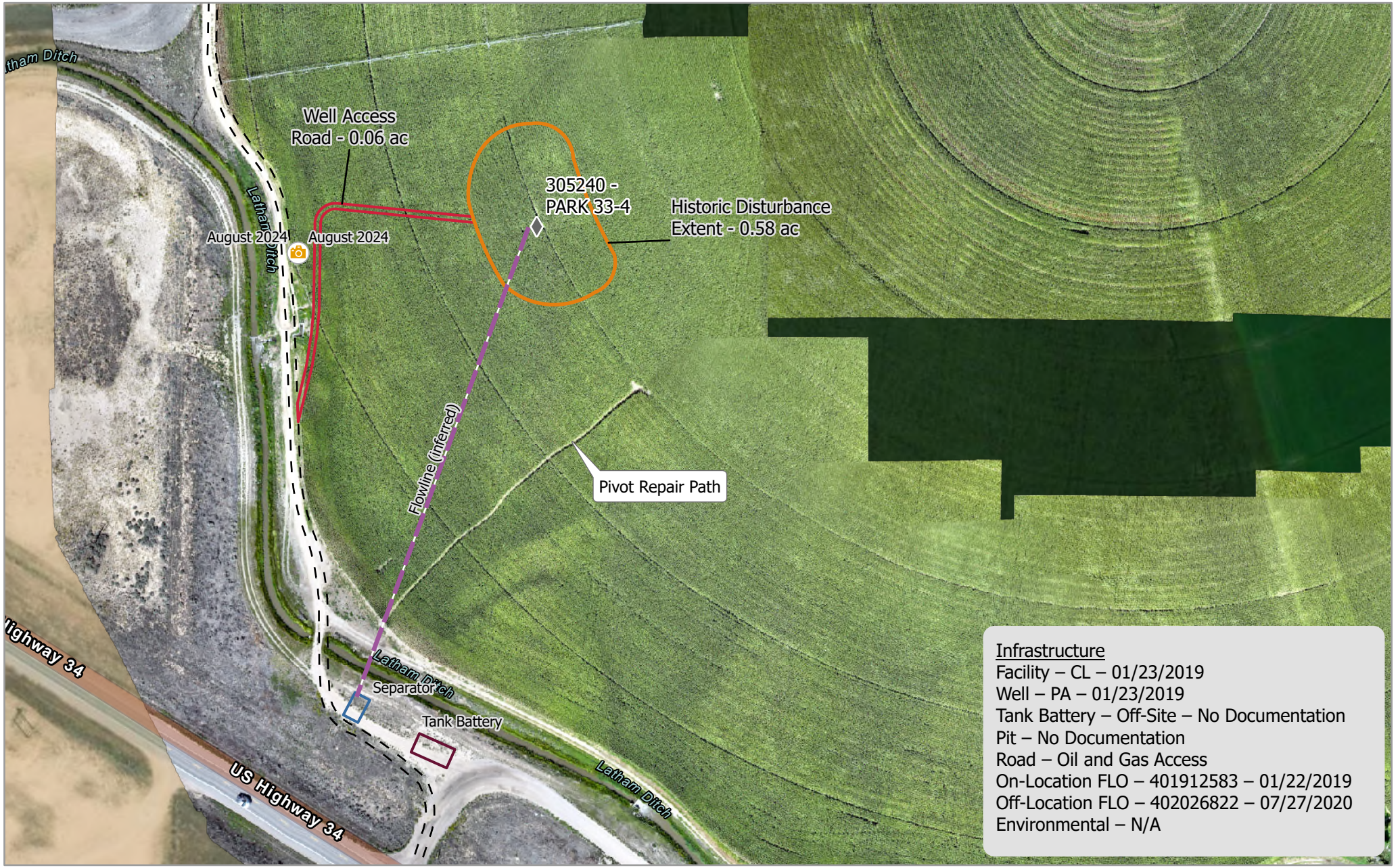
0 25 50 100 Meters

Total Disturbance:
0.64 Acres

Scale: 1:1,800

Pad Location:
40.339740
-104.439930

N



CIV - 305240- Park 33-4
Map Extent - Post-Plugging Overview

Imagery: RS Orthomosaic
Imagery Date: 29 Aug 2024
Map Date: 16 Feb 2025
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

Wells
Observation Points
Flowline
Historic Disturbance Extent
Well Access Road
Tank Battery
Separator
Center Pivot Access Road

0 25 50 100 Meters

Total Disturbance:
0.64 Acres

Scale: 1:1,800

Pad Location:
40.339740
-104.439930

N

Cardinal Directional Drone Photos & Reference Area Photos

Site Investigation and Photos Date

29 Aug 2024

Drone Photo Height

160 feet

Cardinal directional photos of the site. Reference overview map.

In View – Well, Access Road, Flowline **NORTH** – 40.339201 / -104.440021

In View – Well, Access Road, Flowline **NORTH** – 40.339200 / -104.440036

In View – Well, Access Road, Flowline **EAST** – 40.339737 / -104.440570

In View – Well, Access Road, Flowline **EAST** – 40.339754 / -104.440571
*Active Location ID 434077 in view

In View – Well, Tank Battery (Loc ID 463360), Access Road, Flowline **SOUTH –** 40.340246 / -104.439956

In View – Well, Tank Battery (Loc ID 463360), Access Road, Flowline **SOUTH –** 40.340249 / -104.439949
*Active Location ID 428521 in view

In View – Arrow Indicating Farmer Path for Pivot Repairs – Not Oil and Gas Related **SOUTHWEST –** 40.339387 / -104.439214

In View – Well, Access Road, Flowline **WEST –** 40.339776 / -104.439076

In View – Well, Access Road, Flowline **WEST –** 40.339776 / -104.439077

Well – Handheld Photographic Evidence

Site Investigation and Photos Date

29 Aug 2024

Handheld photos taken from the ditch road to the west of Location ID 305240 PARK #33-4 wellhead.
No handheld photos taken from Location ID 305240 PARK #33-4 wellhead due to crop height.

	
Corn – 40.339671/-104.440927	Corn Tassel – 40.339658/-104.440924

	
Corn Ear – 40.339667/-104.440926	Looking East – 40.339609/-104.440976

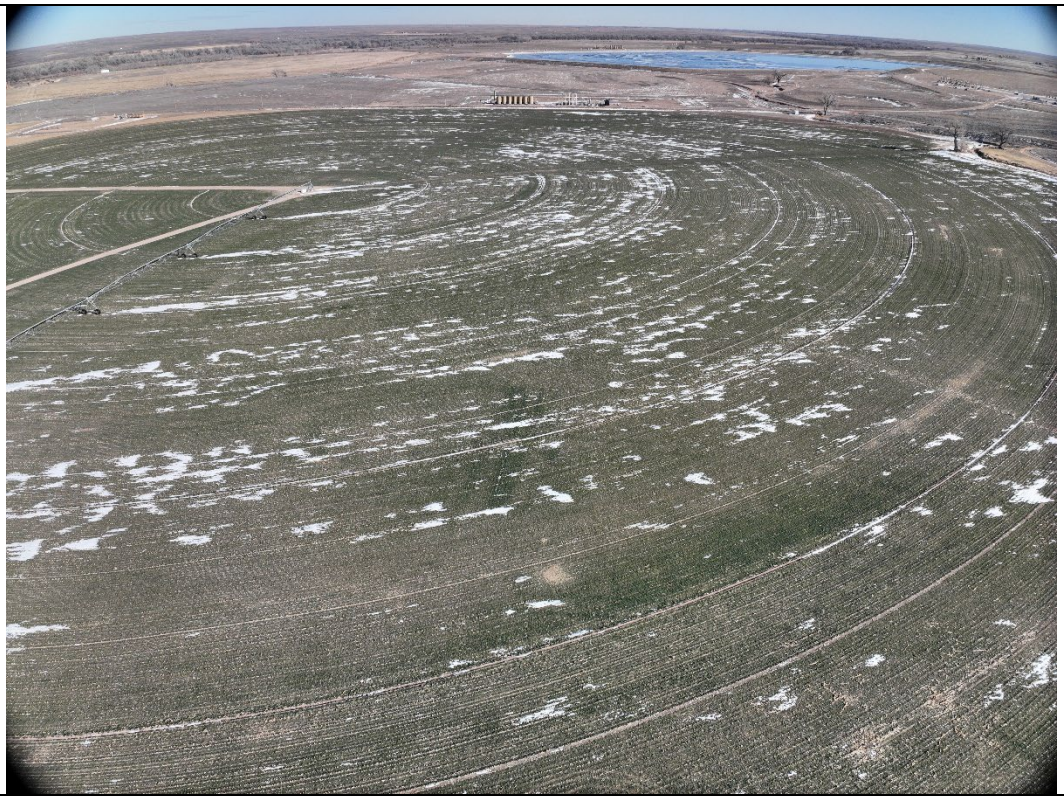
Cardinal Directional Drone Photos Showing No Equipment Remaining

Site Investigation and Photos Date
15 Jan 2025

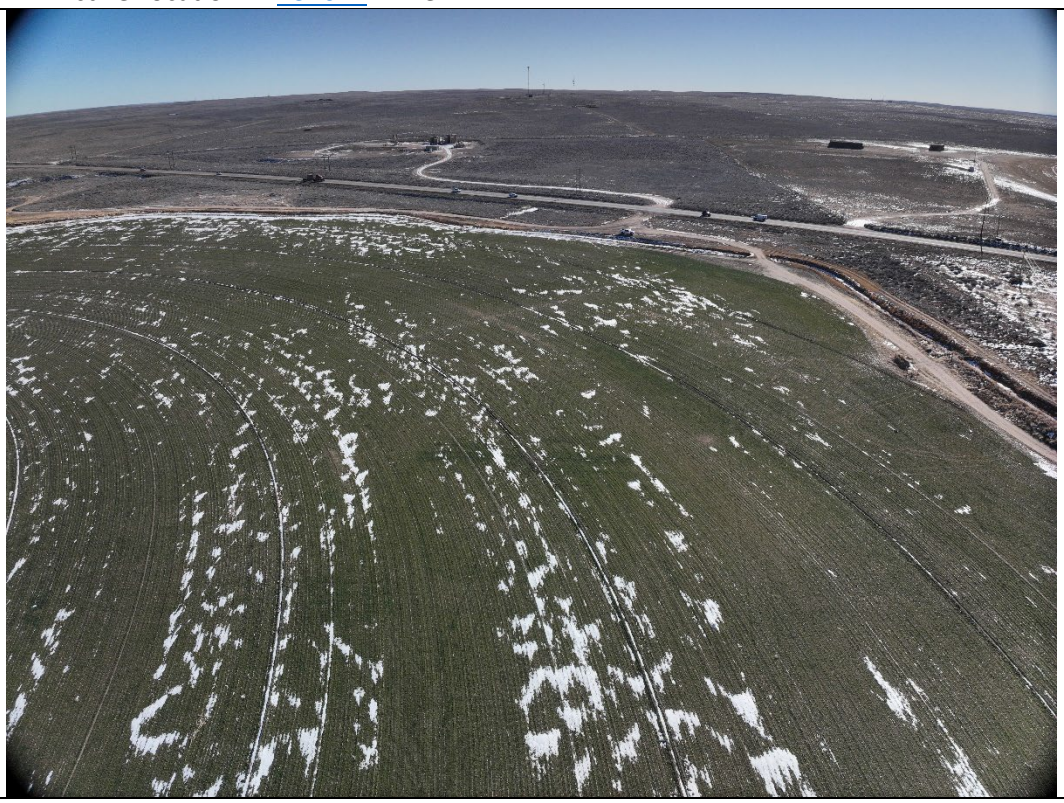
Drone Photo Height
180 feet

Cardinal directional photos of the site. Reference overview map.

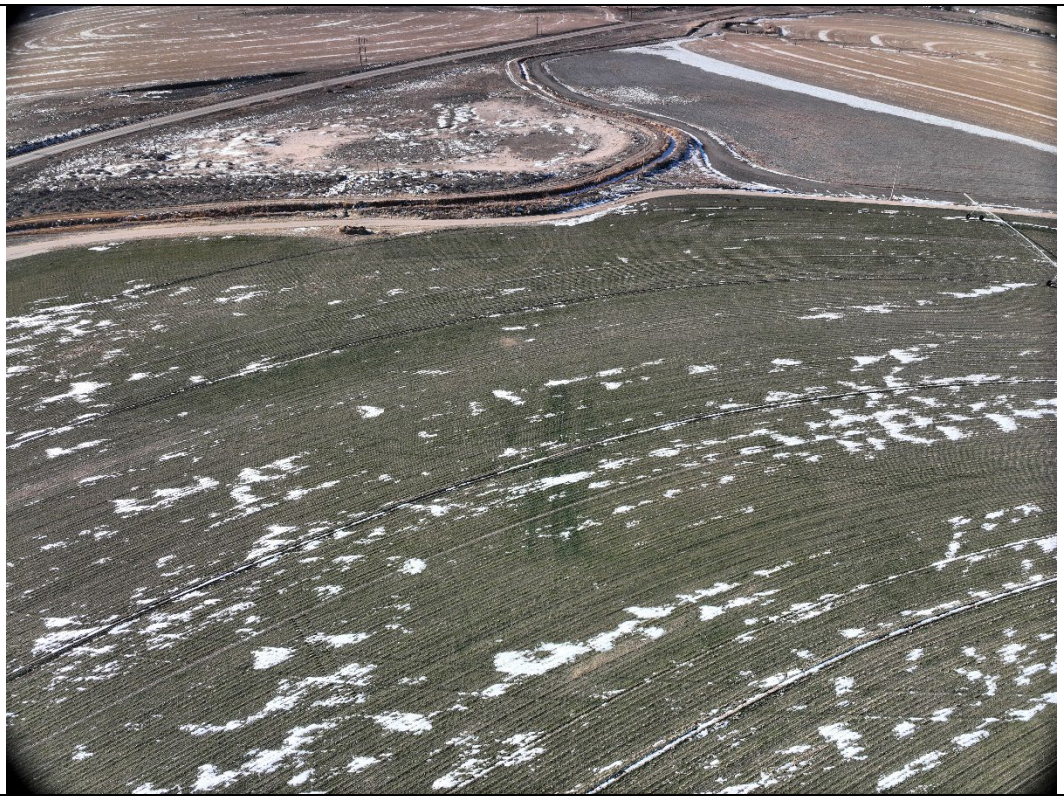
In View – Well, Access Road, Flowline **NORTH** – 40.338995 / -104.439907



In View – Well, Access Road, Flowline **EAST** – 40.339780 / -104.441098
*Active Location ID 434077 in view



In View – Well, Tank Battery (Loc ID 463360), Access Road, Flowline **SOUTH –** 40.340855 / -104.439984
*Active Location ID 428521 in view



In View – Well, Tank Battery (Loc ID 463360), Access Road, Flowline **SOUTHWEST –** 40.339731 / -104.439965

ATTACHMENTS

Maps and Figures

Area Maps

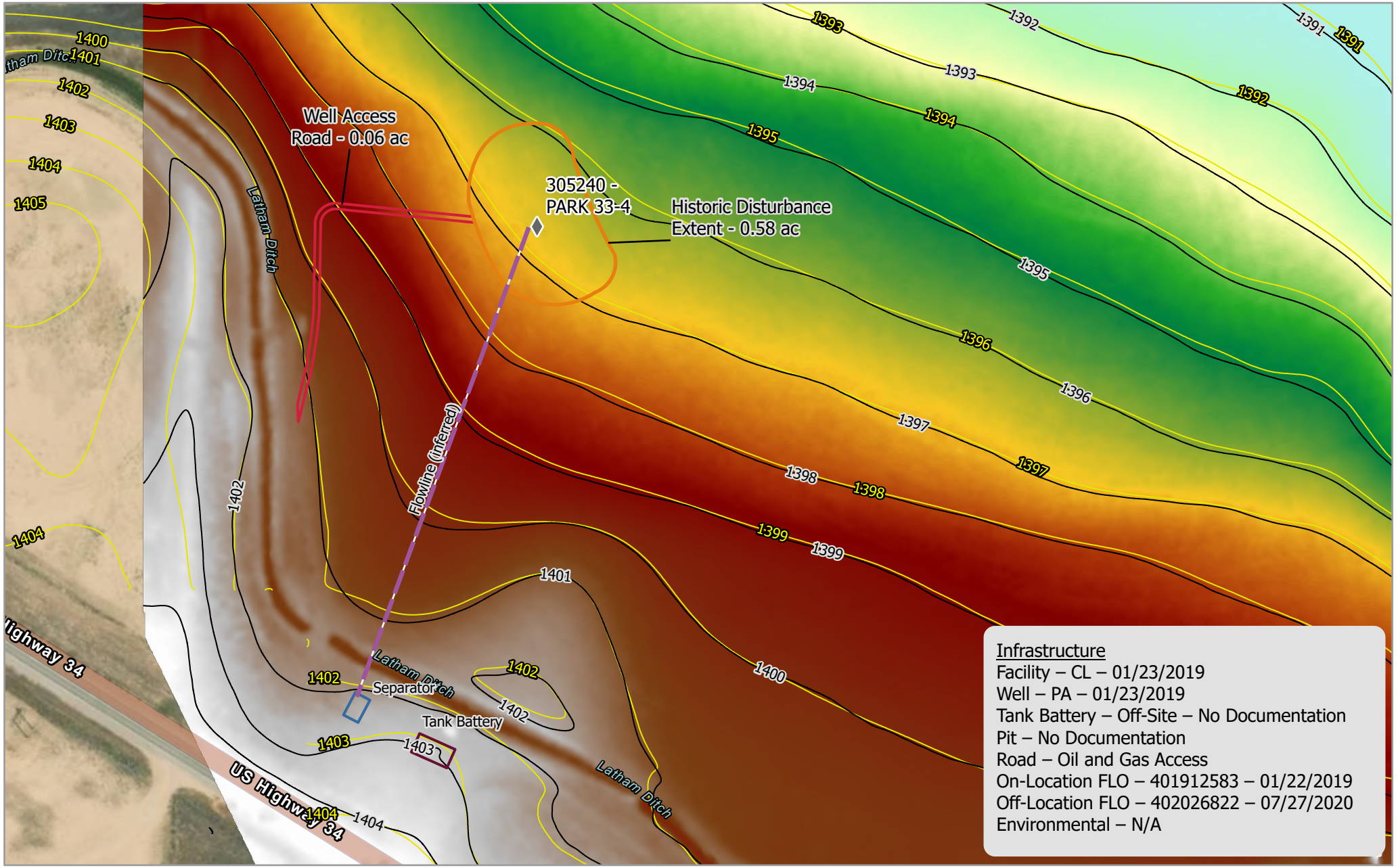
Elevation & Contours

Hydrology

Background Information

Natural Resources Conservation Service (NRCS) Map Unit Description

Reference Soil Document



CIV - 305240- Park 33-4
Map Extent - Elevation & Contours

Imagery: USGS, RS DSM
Imagery Date: 2014, 2024
Map Date: 16 Feb 2025
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

Wells
Flowline
1 Meter Contours (2024)
1 Meter Contours (2014)
Historic Disturbance Extent
Well Access Road
Tank Battery
Separator
Elevation
Meters
1411
1388

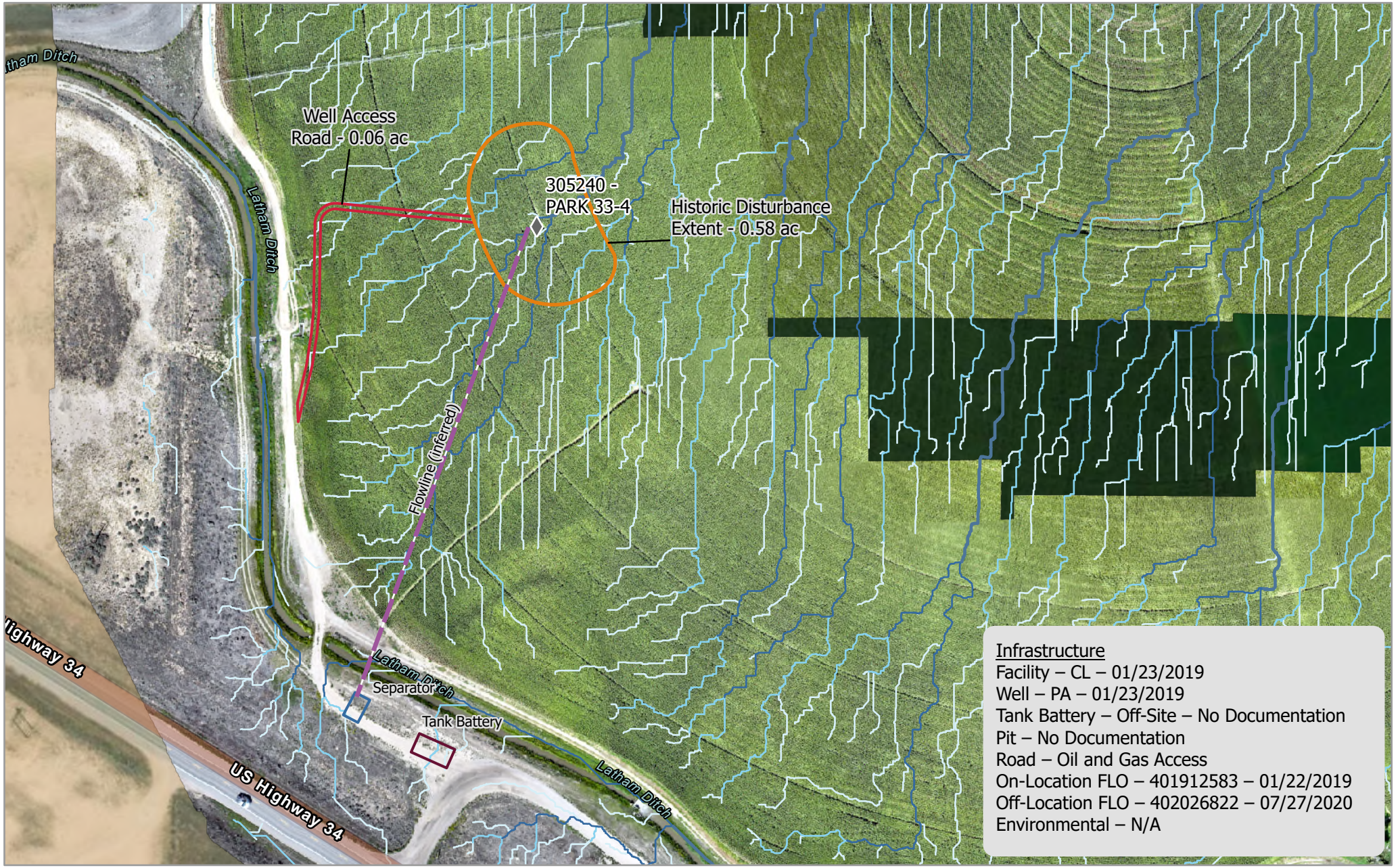
0 25 50 100 Meters

Total Disturbance:
0.64 Acres

Scale: 1:1,800

Pad Location:
40.339740
-104.439930

N



CIV - 305240- Park 33-4
Map Extent - Hydrology

Imagery: RS DSM, RS Orthomosaic
Imagery Date: 2025, 2024
Map Date: 16 Feb 2025
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

Wells
Flowline
Historic Disturbance Extent
Well Access Road
Tank Battery
Separator

Stream Order
1
2
3
4

0 25 50 100 Meters

Total Disturbance:
0.64 Acres

Scale: 1:1,800

Pad Location:
40.339740
-104.439930

N

Soil Properties

USDA Soil Description

Reference Soil Information

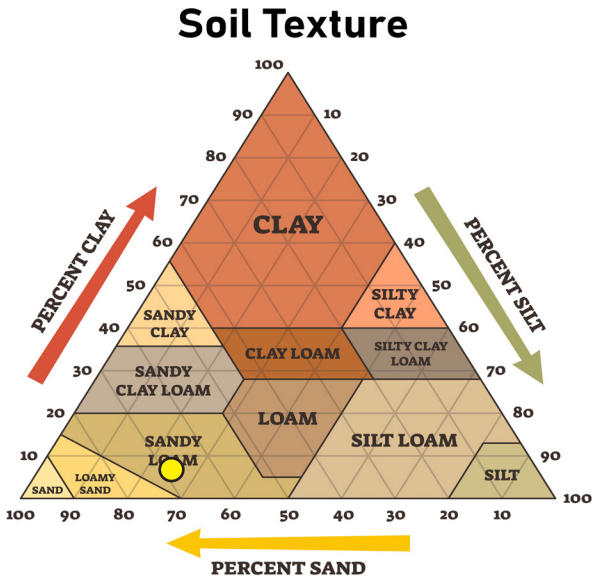
The location of the site is contained within one soil type, Vona Loamy Sand

Map Unit 77 Reference Soil Information - Vona Sandy Loam

This soil is formed from eolian deposits. Landform is plains. Ecological Site Description is Sandy Plains. Soils are well drained with a moderate water holding capacity, and slope 3 to 5 percent.

	Physical			Chemical			
Depth (in)	**Texture**	**Bulk Density**	**Particle Size Percent sand, silt, clay**	**pH**	**EC**	**SAR**	**OM%**
0-6	Sandy Loam	1.43	69-24-8	7.2	1.0	0.0	0.75
6-28	Fine Sandy Loam	1.45	67-20-13	7.5	2.0	0.0	0.75
28-60	Sandy Loam	1.50	67-24-9	8.5	2.0	0.0	0.25

Soil Texture Triangle reflect the 0-10 in depth



Erosion Potential (10 inches)

- K Factor, Whole soil - .28. 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 – 3. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible.

Soil Reference Information

There is a general relationship of soil bulk density to root growth based on soil texture. Bulk densities ideal for root growth are less than 1.60 g/cc for sandy textures, less than 1.40 g/cc for loamy textures, and less than 1.10 g/cc for clayey textures. Bulk densities that restrict root growth are greater than 1.80 g/cc for sandy textures, 1.65 g/cc for loamy textures, and 1.47 g/cc for clayey textures.

Vegetation

Reference vegetation – Sandy Plains Ecology

Climate

Average Annual Precipitation 14 to 17 inches annually - average 15 inches

Average Annual Air Temperature ranges from 50 to 52 degrees F

Drought conditions in effect

Long-term effects of these latest drought events have yet to be determined. Growth of native cool-season plants begin about April 1 and continue to mid-June. Native warm-season plants begin growth about May 1 and continue to about August 15. Regrowth of cool-season plants occur in September in most years, depending on moisture.

Reference dynamics

The Reference State is characterized by 70-85% grasses and grass-like plants, 10-15% forbs, and 5-15% woody plants. The dominant tall warm season grasses are prairie sandreed, sand bluestem and switchgrass. Blue grama dominates the understory. Important cool season grasses and grass-likes are needle and thread and sun sedge. Key forbs and shrubs are American vetch, pacific peavine (manystem pea), purple prairie clover, and spreading buckwheat.

Drought has increased mortality of blue grama in some locations.

Well suited for carbon sequestration.

Reference Vegetation – Sandy Plains Ecology

At Risk Plant Community

Key species from the Reference Plant Community, sand bluestem, prairie sandreed, switchgrass, leadplant and western sandcherry have decreased in frequency and production. Blue grama has increased. Sand dropseed, Fendler threeawn, hairy goldaster, croton, slimflower scurfpea, western ragweed, stickleaf, heath aster, lupine, loco, milkvetch and plains pricklypear cactus have increased. Soils that have a sandy loam or coarser subsoil will show an increase in sand sagebrush.

The risk of losing key warm-season tallgrasses, important forbs and shrubs is a major concern. Blue grama is increasing at the expense of the tallgrasses and deep-rooted shrubs. Water cycle, nutrient cycle and energy flow may become impaired due to a shift in root structure and species composition. Less litter is being produced.

Vegetation

Sandy Plains Ecosystem Vegetative Community Composition

Common Name	Scientific Name
Blue Grama	*Bouteloua gracilis*
Prairie Sandreed	*Calamovilfa longifolia*
Sand Bluestem	*Andropogon hallii*
Switchgrass	*Panicum virgatum*
Needle and Thread	*Hesperostipa comata*
Western Wheatgrass	*Pascopyrum smithii*
Little Bluestem	*Schizachyrium scoparium*
Indiangrass	*Sorghastrum nutans*
Sideoats Grama	*Bouteloua curtipendula*
Sand Dropseed	*Sporobolus cryptandrus*
Indian Ricegrass	*Achnatherum hymenoides*
Buffalograss	*Bouteloua dactyloides*
Thin Paspalum	*Paspalum setaceum*
Purple Prairie Clover	*Dalea purpurea*
Upright Prairie Coneflower	*Ratibida columnifera*
Scarlet Globemallow	*Sphaeralcea coccinea*
American Vetch	*Vicia americana*
White Heath Aster	*Symphyotrichum ericoides*
Winged Buckwheat	*Eriogonum alatum*
White sagebrush	*Artemisia ludoviciana*