

Location Checklist



Operator / #	EXTRACTION OIL & GAS INC / 10459		
Location ID & Name	330210 MASSEY-64N68W/1NWN		
County	Weld, CO		
Well Information	Well Name:	MASSEY #1-2I8	
	Well API #:	05-123-18630	
	Lat/Long as Drilled:	40.347865 / -104.950790	
	Plug Date & Form 6s Doc #:	11/20/2019 & 402258581	
Facility Entities	X	Tank Battery (Off-Site)	Pits
	X	Wells	X On-Location Flowlines (Form 42) Doc #: 402234602
		Domestic Taps	X Off-Location Flowlines (Form 44) Doc #: 403439331
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:	400957121 & 02/10/2016	
	Purpose:	Interim reclamation complete, site ready for inspection. Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.	
	Comments:	None	
	Attachments:	Inspection Photos Doc # 400957122	
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 Streeeter, #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 330210

Location Name MASSEY-64N68W/1NWNE

Report Date

25 Oct 2024

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	18 Mar 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	MASSEY-64N68W/1NWNE		
Location ID	330210		
Operator / #	EXTRACTION OIL & GAS INC / 10459		
Field	WATTENBERG / 90750		
County, State	Weld, CO		
Lat/Long	40.347865 / -104.950790		
	Planned Location	<input checked="" type="checkbox"/>	As Drilled
Facility Status	CL	Location	NWNE 1 4N68W
Facility Status Date	11/20/2019		
Facility Entities	<input checked="" type="checkbox"/>	Tank Battery (Off-Site)	Pits
	<input checked="" type="checkbox"/>	Wells	<input checked="" type="checkbox"/> Off-Location Flowlines (Form 44)
		Domestic Taps	<input checked="" type="checkbox"/> On-Location Flowlines (Form 42)
		Electric Utilities	
Equipment on Site	<input checked="" type="checkbox"/>	No	Yes
		If yes, list:	
		Pit mouse/rat holes, cellars backfilled	
Access Road	<input checked="" type="checkbox"/>	Regraded	<input checked="" type="checkbox"/> Contoured
		Culverts Removed	<input checked="" type="checkbox"/> Gravel Removed
		Pre-Existing: must provide supporting documentation	
Environment Incidents & Remediation	<input checked="" type="checkbox"/>	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	<p>Corrective Actions (CA)s were detected during the QA & QC Audit.</p> <p>CA Overall Status: NO FOLLOW UP INSPECTION REQUIRED.</p> <p>CA-Approving Inspection Doc # & Date: 680704766 & 10/06/2017</p> <ul style="list-style-type: none"> ○ Inspector: Tom Peterson <p>Originating Field Inspection Report (FIR) Doc # & Date: 680704380 & 08/18/2017</p> <ul style="list-style-type: none"> ○ Corrective Actions: Incorrect capacity on produced water vault. Install sign to comply with Rule 210.d. Date Completed: 10/23/2017 ECMC Decision: Overall Good ○ Corrective Actions: Weeds have grown around wellhead. Comply 		

	<p>with Rule 603.f. Date Completed: 09/01/2017 ECMC Decision: Overall Good</p>
	<p>Complete ECMC Inspection Search Results: Link</p>
Sundry Notice (Form 4)	<p>Form 4s were detected during the QA & QC Audit. See individual scout card data for details.</p>
On Location Flowlines (Form 42)	<p>Form 42s were detected during the QA & QC Audit. See individual scout card data for details.</p>
Off-Location Flowlines (Form 44)	<p>Form 44 Doc # & Date: 403439331 & 08/29/2023</p> <ul style="list-style-type: none"> ○ Purpose: Abandonment Verification ○ Abandonment Date: 12/17/2019 ○ ECMC Approval Date & Signee: 08/29/2023 by Julie Murphy ○ Operator Comments: Form 44 filed to report POST-ABANDONMENT verification. The following flowline(s) were removed: 12318630FL: serviced MASSEY 1-218 (05-123-18630) 12323629FL: serviced Quarter Circle S 01-01JI (05-123-23629). Updated GIS data attached. ○ Note: This Form 44 includes data for two Off-Location Flowlines: 463596 and 463597. This Location is connected to 463597 below. <p>Flowline Facility Information</p> <ul style="list-style-type: none"> ○ ECMC Flowline ID: 463597 ○ Operator Flowline ID: 12318630FL ○ Status & Date: AC & 08/29/2023 ○ Flowline Type: Wellhead Line ○ Type of Fluids Transported: Multiphase ○ Start Point Location ID: 330210 ○ Start Point Riser Lat/Long: 40.347853 / -104.950775 (MASSEY #1-218 Well) ○ Equipment at Start Point: Well ○ End Point Location ID: 463217 ○ End Point Riser Lat/Long: 40.348904 / -104.945628 (Quarter Circle S1-1JI, Massey 1-218/ Production Facilities) ○ Equipment at End Point Riser: Separator

<p>Field Inspection Form (Form INSP)</p>	<p>Form INSP Doc # & Date: 680704766 & 10/06/2017</p> <ul style="list-style-type: none"> ○ Status Summary: THIS IS A FOLLOW UP INSPECTION. NO FOLLOW UP INSPECTION REQUIRED. ○ Inspected Facilities: MASSEY 1-218 Well ○ Inspection Status: SI ○ Inspection Date & Inspector: 10/06/2017 by Tom Peterson ○ Comments: Produced water vault capacity placard noted in prior inspection document #680704380 has been corrected. Weeds at wellhead noted in prior inspection document #680704380 have been corrected. Barbed wire topped chain link. Bradenhead valve is exposed at surface. Well is currently SI. ○ Attachments: Inspection Photos Doc # 680704767 <p>Form INSP Doc # & Date: 680704380 & 08/25/2017</p> <ul style="list-style-type: none"> ○ Status Summary: FOLLOW UP INSPECTION REQUIRED ○ Inspected Facilities: MASSEY 1-218 Well ○ Inspection Status: SI ○ Inspection Date & Inspector: 08/18/2017 by Tom Peterson ○ Comments: Incorrect capacity on produced water vault. See attached photo. Weeds have grown around wellhead. See attached photo. Barbed wire topped chain link. IN USE: 6-2" steel risers and 1-1" steel riser at separator, 1-2" steel riser and 1-1" steel riser at ECD unit, 2-2" steel risers at crude oil tank, 1-2" steel riser at wellhead. Last reported date of production 12/2015. Bradenhead valve is exposed at surface. Wells are currently SI. ○ Attachments: Inspection Photos Doc # 680704381
<p>COGIS Tank Facilities Information (Scout Card)</p>	<p>No Tank Battery documents were detected during this QA/QC Audit. However, the Tank Battery Lat/Long (40.348880 / -104.945790) is referenced in Field Inspection Doc # 680704380 and is at Location ID 463217.</p>

COGIS Well Information (Scout Card)	<p>Well Name: MASSEY #1-2I8</p> <p>API#: 05-123-18630</p> <p>FACILITY ID: 250827</p> <ul style="list-style-type: none"> ○ Status & Date: PA & 11/20/2019 ○ Lat/Long as Drilled: 40.347865 / -104.950790 ○ Form 6 Doc # & Date: 402258581 & 03/04/2020 ○ Form 42 Doc # & Date: 402234602 & 11/08/2019 Purpose: START OF PLUGGING OPERATIONS - 48-hour notice required. Date: 11/11/2019. ○ Form 4 Doc # & Date: 400957121 & 02/10/2016 Purpose: Interim reclamation complete, site ready for inspection. Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs. Attachments: Inspection Photos Doc # 400957122
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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: Microsoft 2011	Remotely Sensed Imagery: 02 Apr 2024; 30 Aug 2024
Designation: Oil & Gas Facility	Designation: Cropland

The following imagery sources were reviewed during this audit:

EarthExplorer, DRCOG 2002 - 2014, NAIP Imagery 2011, 2013, 2015, 2017, 2019, 2021, ESRI Maxar and Remotely Sensed Imagery Sep 2022

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 [330210](#) MASSEY-64N68W/1NWNE is in Weld County, Colorado near the intersection of East County Road 14 and Colorado Boulevard. There is one plugged and abandoned well (MASSEY #1-218 API # [05-123-18630](#)). There is an Off-Location Flowline between this well and the Production Facility at Location ID [463217](#).

There were Corrective Actions at this location on August 18th, 2017, due to incorrect capacity on produced water vault, needing to install sign to comply with Rule 210.d. and weeds have grown around wellhead. Comply with Rule 603.f. These were resolved in 2017 and an ECMC inspection approved the Corrective Actions on October 6th, 2017.

Massey #1-218 well (API # [05-123-18630](#)) was plugged and abandoned on November 20th, 2019. The access road was reclaimed at this time. The related production facility, Location ID [463217](#), was closed and reclaimed at this time.

The Well Access Road Disturbance Extent is impacted by Municipal Water Pipeline Construction Impact, which occurred after reclamation.

Soil Sage drone imagery confirms that no equipment was left on site at this location after reclamation activities occurred.

Summary Acreage Table

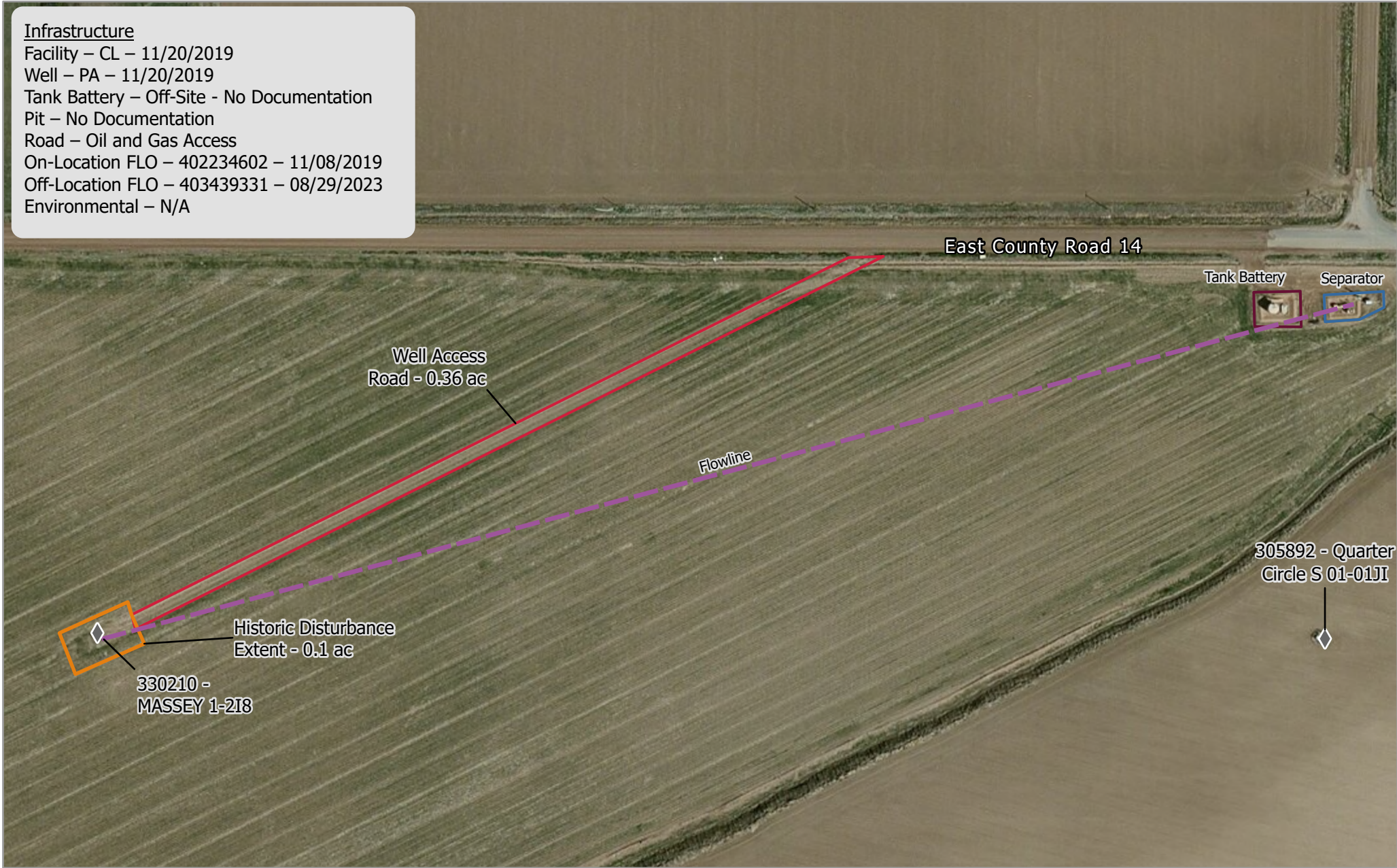
Description	Acres
Historic Disturbance Extent	0.47
Access Road	0.36
Flowline	Not Included
Tank Battery	Off-Site (Loc ID 463217)
Well Pad	0.1

Drone Information

Make	DJI
Model	M300/Mavic 3 Multispectral
Image Processing Software	Pix4dfields – RGB/Multispectral Imagery & Pix4dmatric – RGB Imagery
Pilot Name	Sam Streeter
Pilot FAA Certificate Number	4100157
Date of FAA Certificate Issuance	23 Dec 2023

Infrastructure

Facility – CL – 11/20/2019
Well – PA – 11/20/2019
Tank Battery – Off-Site - No Documentation
Pit – No Documentation
Road – Oil and Gas Access
On-Location FLO – 402234602 – 11/08/2019
Off-Location FLO – 403439331 – 08/29/2023
Environmental – N/A



CIV - 330210- MASSEY 1-2I8
Map Extent - Pre-Plugging Overview

Imagery: Microsoft
Imagery Date: 21 Apr 2011
Map Date: 23 Oct 2024
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

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



Total Disturbance:
0.47 Acres
Scale: 1:1,800

Pad Location:
40.347865
-104.950790

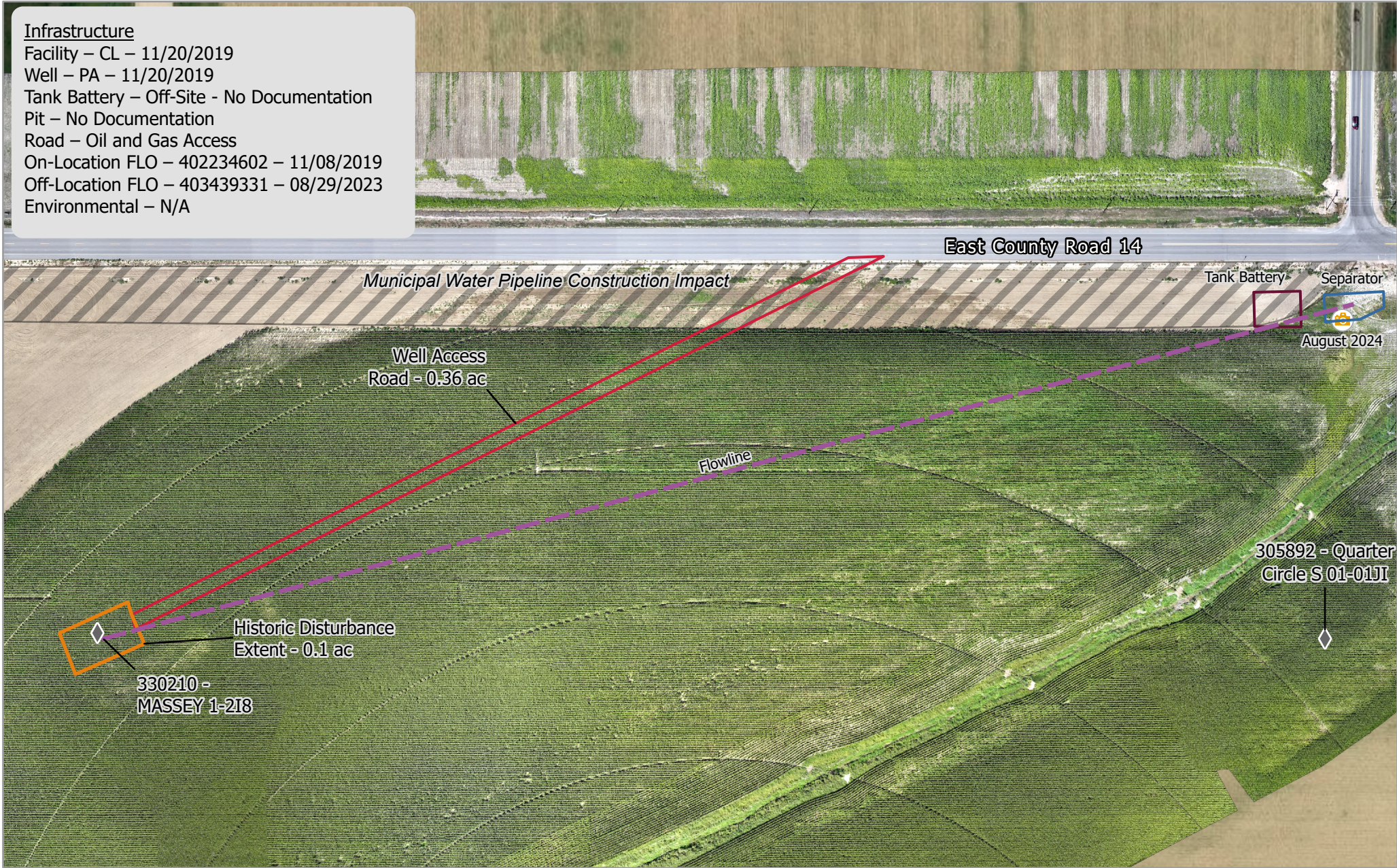


Service Credits - esi_imagery, Maxar, Microsoft



Infrastructure

Facility – CL – 11/20/2019
Well – PA – 11/20/2019
Tank Battery – Off-Site - No Documentation
Pit – No Documentation
Road – Oil and Gas Access
On-Location FLO – 402234602 – 11/08/2019
Off-Location FLO – 403439331 – 08/29/2023
Environmental – N/A



**CIV - 330210- MASSEY 1-2I8
Map Extent - Post-Plugging Overview**

Imagery: RS Orthomosaic
Imagery Date: 30 Aug 2024
Map Date: 23 Oct 2024
Datum: WGS 1984 UTM Zone 13N
POC: Soil Sage

Wells	Historic Disturbance Extent
Observation Points	Well Access Road
Flowline	Tank Battery
Water Pipeline Impact Area	Separator

0 25 50 100 Meters

Total Disturbance: 0.47 Acres
Scale: 1:1,800

Pad Location: 40.347865
-104.950790



Service Credits - Maxar, Microsoft

Cardinal Directional Drone Photos & Reference Area Photos

Site Investigation and Photos Date

30 Aug 2024

Drone Photo Height

150 feet

Cardinal directional photos of the site. Reference overview map.



In View – Well, Access Road, Flowline

NORTH – 40.347393 / -104.950724



In View – Well, Access Road, Flowline

NORTH – 40.347213 / -104.950719



In View – Well, Access Road, Flowline

EAST – 40.347912 / -104.951436



In View – Well, Tank Battery (Loc ID [463217](#)), Access Road, Flowlines, Municipal Water Pipeline Construction Impact
EAST – 40.347695 / -104.951351



In View – Well, Access Road, Flowline
SOUTHEAST – 40.348399 / -104.951250



In View – Well, Access Road, Flowline

SOUTH – 40.348569 / -104.950584



In View – Well, Access Road, Flowline

WEST – 40.347902 / -104.950040



In View – Tank Battery (Loc ID [463217](#)), Flowlines, Municipal Water Pipeline Construction Impact
NORTH – 40.348410 / -104.945607



In View – Tank Battery (Loc ID [463217](#)), Flowlines, Municipal Water Pipeline Construction Impact
EAST – 40.348877 / -104.946819



In View – Tank Battery (Loc ID [463217](#)), Flowline, Municipal Water Pipeline Construction Impact
SOUTH – 40.349315 / -104.945659



In View – Well, Tank Battery (Loc ID [463217](#)), Access Road, Flowline **WEST** – 40.348936 / -104.945029



In View – Tank Battery (Loc ID [463217](#)), Access Road, Flowline **WEST** – 40.348937 / -104.945030

Well – Handheld Photographic Evidence

Site Investigation and Photos Date

30 Aug 2024

Handheld photos taken from Location ID [463217](#) Production Facilities looking towards Location ID [330210](#) wellhead. No handheld photos taken from Location ID [330210](#) wellhead location due to crop height.





Corn Tassel – 40.348854/-104.94566



Corn Ear – 40.348856/-104.945658

Cardinal Directional Drone Photos Showing No Equipment Remaining

Site Investigation and Photos Date

02 Apr 2024

Drone Photo Height

100 feet

Cardinal directional photos of the site. Reference overview map.





In View – Well, Access Road, Flowline

EAST – 40.347934 / -104.951236



In View – Well, Tank Battery (Loc ID [463217](#)), Access Road, Flowline

EAST – 40.347956 / -104.951236



In View – Well, Access Road, Flowline

SOUTH – 40.348264 / -104.950768



In View – Well, Access Road, Flowline

WEST – 40.347932 / -104.950150



In View – Tank Battery (Loc ID [463217](#)), Flowlines

NORTH – 40.348370 / -104.945569



In View – Tank Battery (Loc ID [463217](#)), Flowlines

EAST – 40.348875 / -104.946687



In View – Tank Battery (Loc ID [463217](#)), Flowlines

SOUTH – 40.349525 / -104.945386



In View – Well, Tank Battery (Loc ID [463217](#)), Flowlines

WEST – 40.348875 / -104.944904

ATTACHMENTS

Maps and Figures

Area Maps

Elevation & Contours

Hydrology

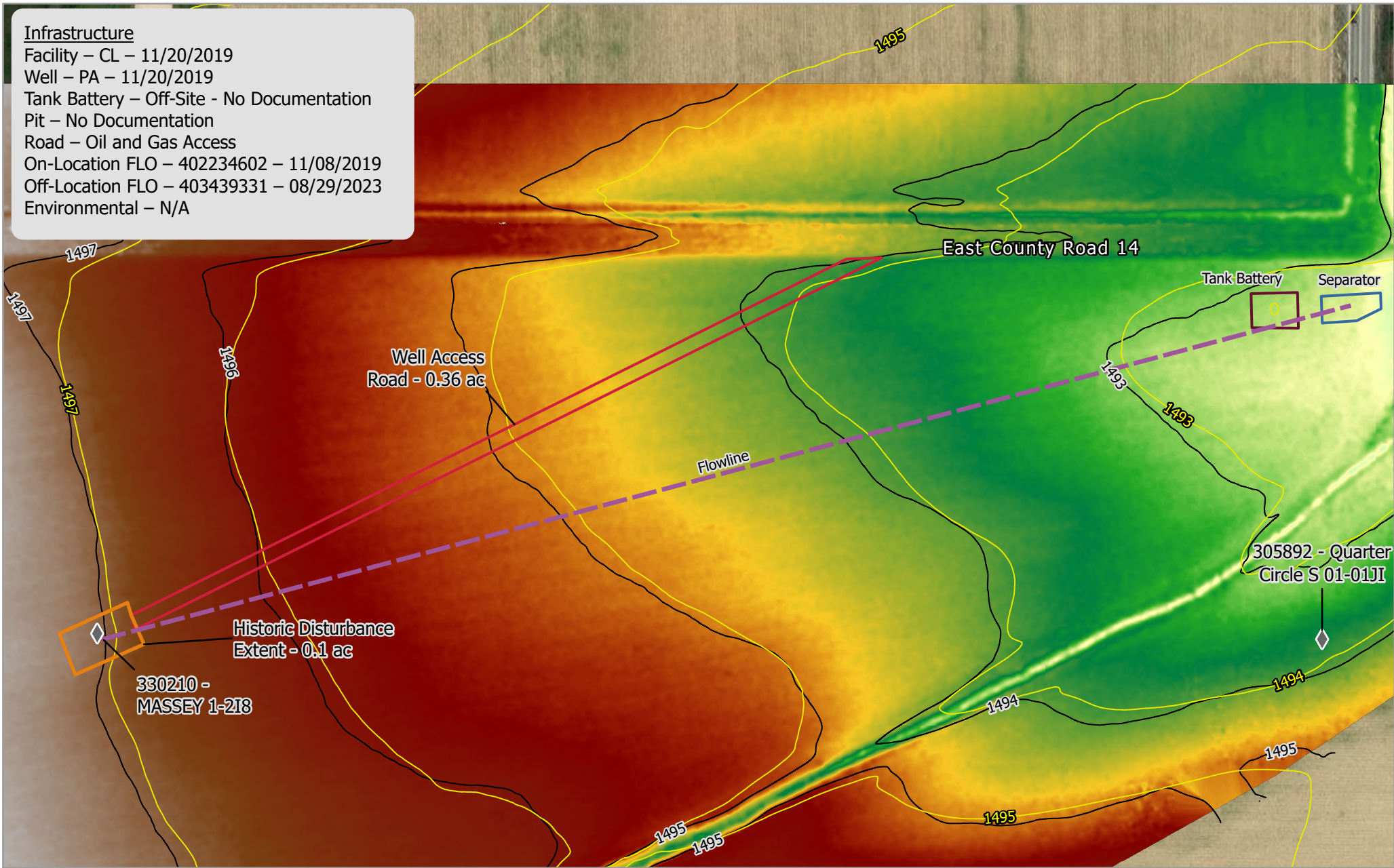
Background Information

Natural Resources Conservation Service (NRCS) Map Unit Description

Reference Soil Document

Infrastructure

Facility – CL – 11/20/2019
 Well – PA – 11/20/2019
 Tank Battery – Off-Site - No Documentation
 Pit – No Documentation
 Road – Oil and Gas Access
 On-Location FLO – 402234602 – 11/08/2019
 Off-Location FLO – 403439331 – 08/29/2023
 Environmental – N/A



CIV - 330210- MASSEY 1-2I8
Map Extent - Elevation & Contours

Imagery: USGS, RS DSM
 Imagery Date: 2014, 2 Apr 2024
 Map Date: 23 Oct 2024
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

◆ Wells	▭ Tank Battery
- - - Flowline	▭ Separator
~ 1 Meter Contours (2014)	Elevation
~ 1 Meter Contours (2024)	Meters
▭ Historic Disturbance Extent	1505
▭ Well Access Road	1484

0 25 50 100 Meters

Total Disturbance: 0.47 Acres
 Scale: 1:1,800

Pad Location:
 40.347865
 -104.950790

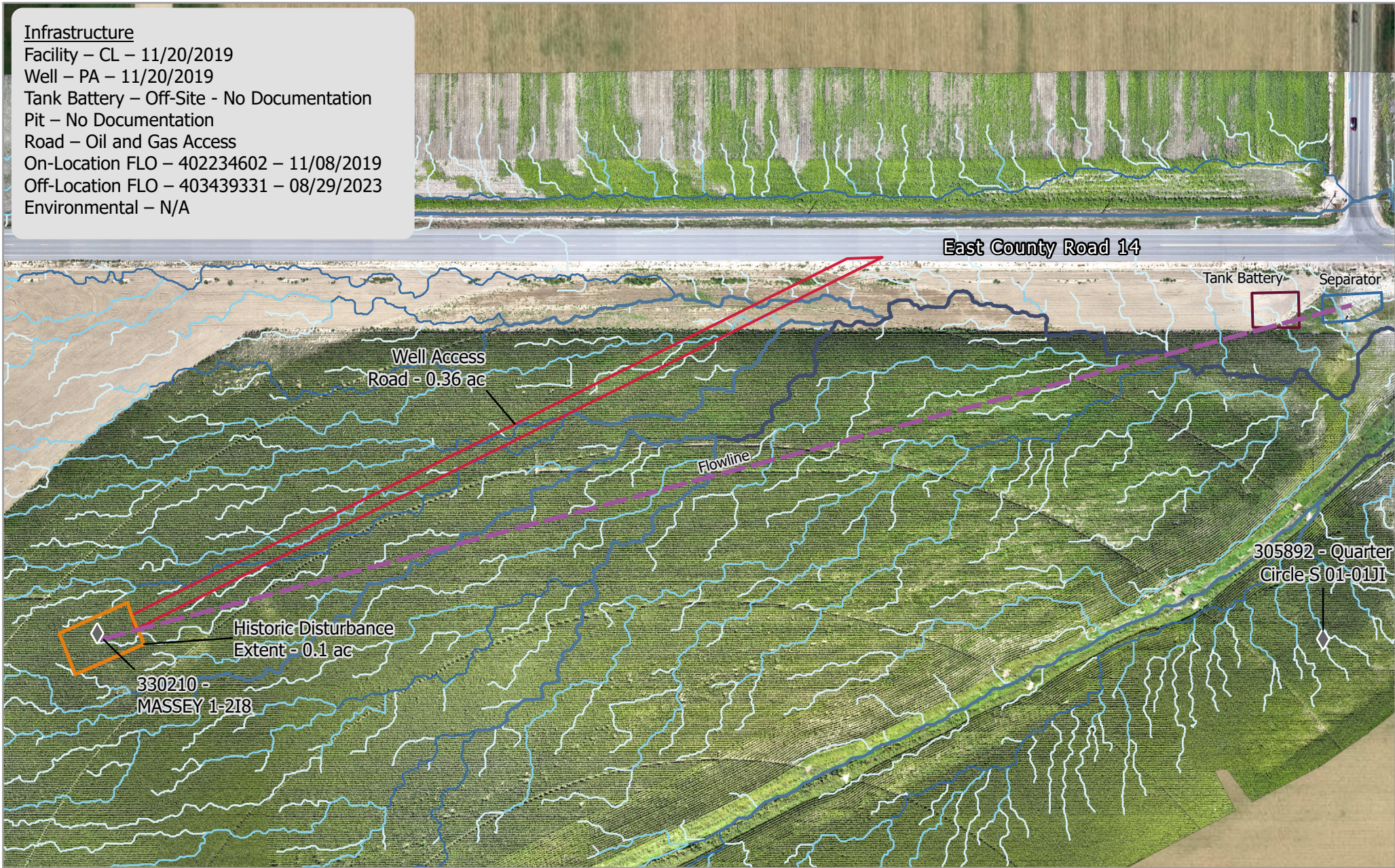
N



Service Credits - Maxar, Microsoft

Infrastructure

Facility – CL – 11/20/2019
 Well – PA – 11/20/2019
 Tank Battery – Off-Site - No Documentation
 Pit – No Documentation
 Road – Oil and Gas Access
 On-Location FLO – 402234602 – 11/08/2019
 Off-Location FLO – 403439331 – 08/29/2023
 Environmental – N/A



CIV - 330210- MASSEY 1-2I8
Map Extent - Hydrology

Imagery: RS DSM, RS Orthomosaic
 Imagery Date: 2 Apr 2024, 30 Aug 2024
 Map Date: 23 Oct 2024
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

◆ Wells	Stream Order
— Flowline	1
▭ Historic Disturbance Extent	2
▭ Well Access Road	3
▭ Tank Battery	4
▭ Separator	5

0 25 50 100 Meters

Total Disturbance: 0.47 Acres
 Scale: 1:1,800

Pad Location: 40.347865
 -104.950790



Soil Properties

USDA Soil Description

Reference Soil Information

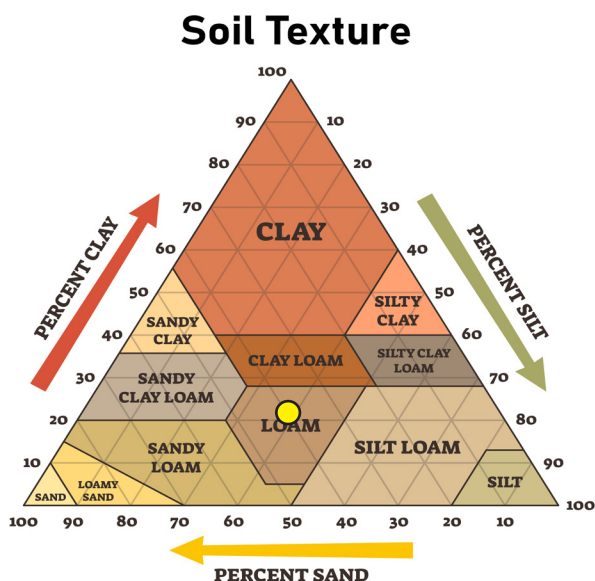
The location of the site is contained within one soil type, Weld Loam.

Map Unit 79 Reference Soil information - Weld Loam

This soil is formed from calcareous loess. Landform is interfluvies. Ecological Site Description is Loamy Plains. Soils are well-drained with a high water holding capacity, and slope 1 to 3 percent.

Depth (in)	Physical			Chemical			
	Texture	Bulk Density	Particle Size Percent sand, silt, clay	pH	EC	SAR	OM%
0-8	Loam	1.46	40-38-23	7.0	0.1	0.0	2.00
8-12	Clay	1.34	29-30-42	7.4	0.1	0.0	1.60
12-15	Clay Loam	1.36	31-31-38	7.6	0.1	0.0	1.00
15-28	Loam	1.48	38-36-26	8.3	0.1	0.0	0.50
28-60	Silt Loam	1.48	26-52-22	8.5	0.5	0.0	0.25
60-80	Silt Loam	1.48	27-54-19	8.5	0.5	0.0	0.10

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 – 6. 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 – Loamy Plains Ecology

Climate

Average Annual Precipitation 14 to 17 inches annually

Average Annual Air Temperature 50 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 co-dominant warm-season shortgrass (blue grama), and cool-season midgrass (western wheatgrass, green needlegrass). The Warm-Season Shortgrass State is characterized by a warm-season short bunchgrass (blue grama) and stoloniferous grass (buffalograss). The Increased Bare Ground State is characterized by early successional warm-season bunchgrass (Fendler threeawn), cool-season short bunchgrass (squirreltail), annual grasses, and annual forbs.

Drought has increased mortality of blue grama and buffalo grasses in some locations

The major grasses in the Reference Plant Community include western wheatgrass, green needlegrass, and blue grama. Western wheatgrass is a major cool-season grass in this plant community and is a valuable forage plant in late spring and/or early summer. Sub-dominant grasses include needle and thread, buffalograss, and sand dropseed. Major forbs include American vetch, upright prairie coneflower, scarlet globemallow, and dotted blazingstar (dotted gayfeather). A minor amount of shrubs such as fourwing saltbush and winterfat may also occur.

Well suited for carbon sequestration

Vegetation

Reference Vegetation – Loamy Plains Ecology

At Risk Plant Community

Key species from the Reference Plant Community, such as green needlegrass, western wheatgrass, American vetch, fourwing saltbush, and winterfat have been reduced in production. Blue grama and buffalograss have increased in abundance, are beginning to dominate the community, and will begin to exhibit a sod-bound appearance. Sand dropseed, red threeawn, sixweeks fescue, plains pricklypear, hairy false goldenaster, and bottlebrush squirreltail also have increased. This plant community is at risk of losing the cool-season grasses, key forbs such as American vetch and purple prairie clover, and key shrubs.

Total aboveground biomass has been reduced. Reduction of rhizomatous wheatgrass, nitrogen-fixing forbs, and the shrub component, and increased warm-season shortgrasses have begun to alter the biotic integrity of this community. Water and nutrient cycles may be impaired.

Loamy Plains Ecosystem Vegetative Community Composition

Common Name	Scientific Name
Western Wheatgrass	<i>Pascopyrum smithii</i>
Green Needlegrass	<i>Nassella viridula</i>
Indian Ricegrass	<i>Achnatherum hymenoides</i>
Needle and Thread	<i>Hesperostipa comata</i>
Blue Grama	<i>Bouteloua gracilis</i>
Buffalograss	<i>Bouteloua dactyloides</i>
Sand Dropseed	<i>Sporobolus cryptandrus</i>
Sideoats Grama	<i>Bouteloua curtipendula</i>
Little Bluestem	<i>Schizachyrium scoparium</i>
Little Barley	<i>Hordeum pusillum</i>
Sixweeks Fescue	<i>Vulpia octoflora</i>
American Vetch	<i>Vicia americana</i>
Purple Prairie Clover	<i>Dalea purpurea</i> var. <i>purpurea</i>
White Locoweed	<i>Oxytropis sericea</i>
Slimflower Scurfpea	<i>Psoralidium tenuiflorum</i>
Scarlet Globemallow	<i>Sphaeralcea coccinea</i>
Broadbeard Beardtongue	<i>Penstemon angustifolius</i>
Lacy Tansyaster	<i>Machaeranthera pinnatifida</i> ssp. <i>pinnatifida</i> var. <i>pinnatifida</i>
Dotted Blazing Star	<i>Liatris punctata</i>
Upright Prairie Coneflower	<i>Rativida columnifera</i>
Rush Skeletonplant	<i>Lygodesmia juncea</i>