

SITE-SPECIFIC QUALITY ASSURANCE & QUALITY CONTROL AUDIT

Permit Closure Type – Final



PERMIT CLOSURE REPORT – ADDENDUM

Location ID 420769

Location Name ANTELOPE 23-19 PAD

Report Date

28 Dec 2022

Soil Sage has conducted an additional data audit to augment the initial report findings.

Initial Job Assignment

Client	CIVITAS Resources
Work Assignment	31 Site Permit Closures
Date	Feb 2022

Quality Assurance & Quality Control Audit

Auditor	Soil Sage
Audit Date	12/19/2022

Audit Methodology

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

- ✓ Colorado Oil & Gas Information System – COGIS Database
- ✓ Review of legacy imagery for site location and facility parameters – NAIP Imagery 2013, 2017, 2021, 2021, ESRI, Maxar, Earthstar imagery 2021, and Remotely Sensed Imagery Jun 2022

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

Site Description

Name	ANTELOPE 23-19 PAD		
Location ID	420769		
Operator / #	BONANZA CREEK ENERGY OPERATING COMPANY / 8960		
Field	WATTENBERG 90750		
County, State	WELD, CO		
Lat/Long	40.383030 / -104.367910		
	X	Planned Location	As Drilled
Facility Status	AC	Location	NESW 19 5N62W
Facility Status Date	02/01/2019	Access Road	Pre-existing access road
Facility Entities	X	Tank Battery	Pits
	X	Wells	X Off-Location Flowlines (Form 44)
		Domestic Taps	X On-Location Flowlines (Form 42)
Environment Incidents & Remediation		None	Spill or Release (Form 19)
	X	Remediation (Form 27/27A)	
Sundry Notice (Form 4)	<p>Form 4 Doc # & Date: 401216219 & 03/31/2017</p> <ul style="list-style-type: none"> ○ Purpose: Change of Well, Facility or Oil & Gas Facilities ○ Effective Date: 02/22/2017 ○ From: Name: ANTELOPE Number: 23-19 ○ To: Name: ANTELOPE Number: 23-19 PAD ○ COGCC Approval Signee: Melissa Housey 		
On Location Flowlines (Form 42)	<p>Form 42s exist for Related Facilities – See individual scout card data for report details.</p>		
Off-Location Flowlines (Form 44)	<p>Form 44 Doc # & Date: 402169957 & 09/06/2019</p> <ul style="list-style-type: none"> ○ Purpose: Off-Location Flowline Registration ○ Registration Date: 09/04/2022 ○ COGCC Approval Date & Signee: None ○ Operator Comments: Flowlines were installed before May 1, 2018. No initial psi test found, used well bore complete data as pipeline complete date. ○ Note: Form 44 includes data for 13 Off-Location Flowlines. This Site Location pertains to 467314 and 467322 below. <p>Flowline Facility Information</p> <ul style="list-style-type: none"> ○ COGCC Flowline ID: 467314 		

- **Operator Flowline ID:** Ant 23-19 WH Flowline
- **Status & Date:** CL & 09/09/2019
- **Flowline Type:** Wellhead
- **Type of Fluids Transported:** Multiphase
- **Start Point Location ID:** [420769](#)
- **Start Point Riser Lat/Long:** 40.382980 / -104.367890 (Well ANTELOPE #23-19)
- **Equipment at Start Point:** Well
- **End Point Location ID:** [445393](#)
- **End Point Riser Lat/Long:** 40.384500 / -104.368089 (ANTELOPE H23-19 Production Facilities)
- **Equipment at End Point:** Separator

COGCC Comment: Individual line replaced as a flowline system. See Form 4 Doc # [402613944](#) & 11/16/2021 and page 4 of the Form's "Other" attachment "Attachment List 402614030.pdf" containing "Duplicate Flowline Facility IDs to Inactivate" and "Flowline Facility IDs to Retain"

Flowline Facility Information

- **COGCC Flowline ID:** [467322](#)
- **Operator Flowline ID:** Ant 33-19 WH Flowline
- **Status & Date:** CL & 09/09/2019
- **Flowline Type:** Wellhead
- **Type of Fluids Transported:** Multiphase
- **Start Point Location ID:** [420769](#)
- **Start Point Riser Lat/Long:** 40.383020 / -104.367890 (Well ANTELOPE #33-19)
- **Equipment at Start Point:** Well
- **End Point Location ID:** [445393](#)
- **End Point Riser Lat/Long:** 40.384498 / -104.368079 (ANTELOPE H23-19 RTB) Production Facility
- **Equipment at End Point:** Separator

COGCC Comment: Individual line replaced as a flowline system. See Form 4 Doc # [402613944](#) & 11/16/2021 and page 4 of the Form's "Other" attachment "Attachment List 402614030.pdf" containing "Duplicate Flowline Facility IDs to Inactivate" and "Flowline Facility IDs to Retain"

<p>Site Investigation and Remediation Workplan (Form 27/27A)</p>	<p>Remediation Project #: 24152</p> <p>Form 27 Initial Doc# & Date: 402693855 & 07/22/2022</p> <ul style="list-style-type: none"> ○ Purpose: Decommissioning of Oil & Gas Facilities ○ Site Information: Multiple Facilities ○ Facility Types: Well ANTELOPE #23-19, Well ANTELOPE #33-19, LOCATION 420769, AND FLOWLINE SYSTEM ID 478703 ○ Type of Waste: Non-E&P Waste (no waste has been generated to date) ○ Operator Comments: A site investigation will be conducted at the ANTELOPE 23-19 (420769) oil and gas location pertaining to the cut/cap of the ANTELOP 23-19 (API 05-123-32707) and cut/cap of the ANTELOPE 33-19 (API 05-123-32711), and the removal of the ANTELOPE 23-19 Wellhead (WH) Line and ANTELOPE 33-19 WH Line (both flowlines are approximately 550-ft). See Form 27 “Site Map” Attachment for details. Note: The Operator Comments about the removal WH lines are referring to Ant 23-19 WH Flowline (ANTELOPE #23-19 Wellhead Flowline, FACILITY ID 467314) and Ant 33-19 WH Flowline (ANTELOPE #33-19 Wellhead Flowline, FACILITY ID 467322). See the Off-Location Flowline (Form 44) section of this report above for more details. ○ Date of Surface Owner Notification/Consultation: 09/17/2021 ○ Site Investigation Plan Start Date: 08/19/2022 ○ COGCC Approval Signee: Bob Chesson ○ Final Resolution: Case not yet closed
<p>Field Inspection Form (Form INSP)</p>	<p>Form INSP Doc # & Date: 696301374 & 02/19/2020</p> <ul style="list-style-type: none"> ○ Status Summary: No Follow Up Inspection Requested ○ Inspected Facilities: Wells ANTELOPE #23-19 and ANTELOPE #33-19 ○ Inspection Status: TA ○ Inspection Date: 02/19/2020 ○ Inspector: Erica Petrie ○ Comments: Routine Field Inspection
<p>COGIS Well Information (Scout Card)</p>	<p>Well Name: ANTELOPE #23-19</p> <p>API#: 05-123-32707</p> <p>FACILITY ID: 420764</p> <ul style="list-style-type: none"> ○ Status & Date: TA & 01/15/2019 ○ Lat/Long As Drilled: 40.382980 / -104.367890

- **Form 6A Doc # & Date:** [403213997](#) & 10/31/2022
Purpose: Out of Service Designation – Well placed on Operator’s Plugging List
Date Ceased Production: 11/27/2018
- **Form 27 Initial Doc# & Date:** [402693855](#) & 07/22/2022
See Site Investigation & Remediation Workplan section above for details on the decommission of multiple facilities, including this well.
- **Form 4 Doc # & Date:** [402934310](#) & 04/19/2022
Purpose: Notice of Continued Temporarily Abandoned Status
Operator Comments: This form is being submitted as the 2022 Annual Continued TA request. Operator plans to plug this well prior to the next MIT. If not PA’d in 2022, an annual TA sundry notice will be submitted in the first quarter 2023.
- **Form 42 Doc # & Date:** [402523832](#) & 11/02/2020
Purpose: Mechanical Integrity Test 10 Day Notice

Well Name: ANTELOPE #33-19

API #: 05-123-32711

FACILITY ID: [420768](#)

- **Status & Date:** TA & 01/15/2019
- **Lat/Long As Drilled** 40.383020 / -104.367890
- **Form 6A Doc # & Date:** [403213997](#) & 10/31/2022
Purpose: Out of Service Designation – Well placed on Operator’s Plugging List
Date Ceased Production: 11/27/2018
- **Form 27 Initial Doc# & Date:** [402693855](#) & 07/22/2022
See Site Investigation & Remediation Workplan section above for details on the decommission of multiple facilities, including this well.
- **Form 4 Doc # & Date:** [402934311](#) & 04/19/2022
Purpose: Notice of Continued Temporarily Abandoned Status
Operator Comments: This form is being submitted as the 2022 Annual Continued TA request. Operator plans to plug this well prior to the next MIT. If not PA’d in 2022, an annual TA sundry notice will be submitted in the first quarter 2023.
- **Form 42 Doc # & Date:** [402523838](#) & 11/02/2020
Purpose: Mechanical Integrity Test 10 Day Notice

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

Summary Information

Site Evaluation Report – dated 31 Jul 2022 indicated the recovery for the disturbance extent met the target recovery objective based on reference extents. Additional facility information provided below to include confirmation of the road.

Road Access – Existing Road from prior land use activities. Reference imagery from 2011 and 2013 and Oct 2022.

Site Information – A Form 27 was submitted to decommission the site Location. An attachment to the Form 27 is a PowerPoint with maps with assets plotted (Attachment is referred to as “Site Map”. The Form 27 Initial (case not resolved yet) applies to **multiple** facilities including this site Location, both wells, and wellhead lines (ID 467314 pertaining to Well Antelope #23-19 and 467322 pertaining to Well Antelope #33-19) and a Flowline System 478703. Both Flowlines are Status CL on 09/09/2019. COGCC Comments on each of these wellhead flowlines Scout Cards state “Individual line replaced as a flowline system”. See facility ID [478703](#) per doc 402613944 with a date of 11/16/22 (AFTER both flowlines CLOSED). This information lead to this sundry form and attachment: Form 4 Doc # [402613944](#) & 11/16/2021. See page 4 of the doc [402614030](#) containing “Duplicate Flowline Facility IDs to Inactivate” and “Flowline Facility IDs to Retain”

Off Location Flowlines – the Form 44 has data on 13 flowlines (2 of which pertain to this Site Location’s wells). These 13 flowlines were installed before May 1, 2018. COGIS ONLY shows the “Submitted” version of this Form 44 and NOT any “approved.pdf” version.

Wells – As of 10/31/2022, both are designated OUT OF SERVICE and placed on the Operator’s Plugging List. Both ceased production on 11/27/2018. Both also appear in Form 27 as they are included in the multiple facilities being decommissioned.

ATTACHMENTS

Maps and Figures

Area Maps

Site Overview as of Oct 2022

Historical Imagery for access road 2011 and 2013

Site Map



**CIV - 420769 - Antelope 23-19
Map Extent - Overview Oct 2022**

Imagery: Orthomosaic
 Imagery Date: 27 Oct 2022
 Map Date: 28 Dec 2022
 Datum: NAD_1983_UTM_Zone_13N
 POC: Soil Sage

Legend

- ☆ Wells
- Road & Pad Extent
- Reclaim Extent
- Reference Extent

0 0.02 0.04 0.07 Miles

Scale: 1:1,886

Pad Location:
 40.383030
 -104.367910

N



Service Credits -



**CIV - 420769- ANTELOPE
Map Extent - USDA NAIP 2011**

Imagery: USDA NAIP
 Imagery Date: 2011
 Map Date: 28 Dec 2022
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

Legend

◆ Wells	□ Road
□ Disturbance	□ Flowline
□ Tank_Battery	

0 0.02 0.04 0.09 Miles

Scale: 1:2,400

Pad Location:
 40.383030
 -104.367910

N



Service Credits -



**CIV - 420769- ANTELOPE
Map Extent - USDA 2013**

Imagery: USDA/FPAC/GEO
 Imagery Date: 6 Sep 2013
 Map Date: 28 Dec 2022
 Datum: WGS 1984 UTM Zone 13N
 POC: Soil Sage

Legend

- ◆ Wells
- ▭ Road
- ▭ Disturbance
- ▭ Flowline
- ▭ Tank_Battery



Scale: 1:2,400

Pad Location:
 40.383030
 -104.367910



Service Credits -

