

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

401914437

Date Received:

01/24/2019

Spill report taken by:

Arauzo, Steven

Spill/Release Point ID:

460722

### SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

#### OPERATOR INFORMATION

Name of Operator: <u>CAERUS PICEANCE LLC</u>	Operator No: <u>10456</u>	<b>Phone Numbers</b>
Address: <u>1001 17TH STREET #1600</u>		Phone: <u>(970) 285-9606</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>(970) 778-2314</u>
Contact Person: <u>Jake Janicek</u>		Email: <u>jjanicek@caerusoilandgas.com</u>

#### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401905874

Initial Report Date: 01/15/2019 Date of Discovery: 01/14/2019 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 27 TWP 7S RNG 96W MERIDIAN 6

Latitude: 39.403993 Longitude: -108.099484

Municipality (if within municipal boundaries): \_\_\_\_\_ County: GARFIELD

#### Reference Location:

Facility Type: PIPELINE  Facility/Location ID No \_\_\_\_\_

Spill/Release Point Name: Basin Pipeline WC-4 Vault Release  No Existing Facility or Location ID No.

Number: \_\_\_\_\_  Well API No. (Only if the reference facility is well) 05- -

#### Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

*Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

Were Five (5) barrels or more spilled? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): 0 Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0 Estimated Produced Water Spill Volume(bbl): >=100

Estimated Other E&P Waste Spill Volume(bbl): 0 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: \_\_\_\_\_

#### Land Use:

Current Land Use: NON-CROP LAND Other(Specify): \_\_\_\_\_

Weather Condition: Sunny, 35 Degrees

Surface Owner: FEE Other(Specify): \_\_\_\_\_

#### Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State  Residence/Occupied Structure  Livestock  Public Byway  Surface Water Supply Area

*As defined in COGCC 100-Series Rules*

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

On January 14th, 2019, Caerus Gas Control received a call from a Summit Midstream operator reporting a "significant amount" of water was being released from the Basin Pipeline WC-4 Vault behind the Orchard Compressor station. A section of 3/8 inch tubing connecting the pipeline to a transducer failed at the point of connection. The Basin pipeline was immediately isolated between valves both up and down gradient of the vault while vac trucks began recovering free standing fluid. An environmental assessment is currently underway.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
1/14/2019	COGCC	Steven Arauza	720-498-5298	Phone, Email, On-site Inspection 1/15/2019
1/15/2019	CDPHE	Anne Nedro	877-518-5608	Phone
1/15/2019	Garfield County	Kirby Wynn	970-685-5905	Phone - No response at time of reporting

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes  No

If YES, enter the Document Number of the Initial Grade 1 Gas Leak Report Form 44: \_\_\_\_\_

Was there a reportable accident associated with this E & P waste spill or release? Yes  No

If YES, enter the Document Number of the Initial Accident Report, Form 22: \_\_\_\_\_

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 01/23/2019

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>2689</u>	<u>6895</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>

specify: \_\_\_\_\_

Was spill/release completely contained within berms or secondary containment? NO Was an Emergency Pit constructed? NO

*Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

**A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit**

Impacted Media (Check all that apply)  Soil  Groundwater  Surface Water  Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 1600 Width of Impact (feet): \_\_\_\_\_

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Extent of impact is currently being determined through laboratory analysis of soil and water samples.

Soil/Geology Description:

Arvada loam, 1 to 6 percent slopes

Depth to Groundwater (feet BGS) 15 Number Water Wells within 1/2 mile radius: 14

If less than 1 mile, distance in feet to nearest Water Well 1025 None  Surface Water 1365 None

Wetlands 1242 None

Springs 637 None

Livestock \_\_\_\_\_ None

Occupied Building 329 None

Additional Spill Details Not Provided Above:

Beginning on January 14th, 2018, Caerus began recovering produced water from the Basin Pipeline WC-4 Vault release. A 24/7 recovery effort continued through January 23rd, 2019 to prevent the migration of residual contaminants due to surface runoff from forecasted weather events. These conditions caused the volume recovered to exceed the volume released.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/23/2019

Cause of Spill (Check all that apply)  Human Error  Equipment Failure  Historical-Unknown  
 Other (specify) \_\_\_\_\_

Describe Incident & Root Cause (include specific equipment and point of failure)

A 3/8 inch stainless tubing water supply line connected to a pressure transducer froze inside the WC-4 Vault. The freeze pushed the transducer off the end of the stainless tubing which resulted in the water from the pipeline escaping through the 3/8 inch tube.

Describe measures taken to prevent the problem(s) from reoccurring:

The 3/8 inch stainless tubing and transducer have been removed.

Volume of Soil Excavated (cubic yards): 1000

Disposition of Excavated Soil (attach documentation)  Offsite Disposal  Onsite Treatment  
 Other (specify) Disposition of soil will be determined once laboratory analytical results are received

Volume of Impacted Ground Water Removed (bbls): \_\_\_\_\_

Volume of Impacted Surface Water Removed (bbls): \_\_\_\_\_

### REQUEST FOR CLOSURE

**Spill/Release Reports should be closed when impacts have been remediated or when further investigation and corrective actions will take place under an approved Form 27.**

Basis for Closure:  Corrective Actions Completed (documentation attached)  
 Work proceeding under an approved Form 27  
Form 27 Remediation Project No: \_\_\_\_\_

### OPERATOR COMMENTS:

This Supplemental Form 19 is being submitted to report investigation results and comply with Conditions of Approval (COA) listed on COGCC Document 401905874 associated with the Basin Pipeline WC-4 Vault Release (Spill/Release Point ID 460722). In the section below, COA's are listed first followed by an explanation describing the manner in which Caerus has or will comply with the associated COA.

COA #1: Delineate horizontal and vertical extent of impacted areas and remediate impacts to Table 910-1 standards. Provide delineation and remediation plan with implementation schedule via an eForm 27 Initial Site Investigation and Remediation Workplan. Supporting documentation must include a figure showing spill area with sample locations and laboratory results.

Compliance Description: The delineation of horizontal and vertical extents of impact is currently underway. Caerus submitted a Form 27 Initial Site Investigation and Remediation Workplan on January 17th, 2019 which included Laboratory analytical results, a summary table, and sample location diagrams with spill path area detailed.

COA #2: In addition to information and attachments specified in Rule 906.b, provide the following via eForm 19 Supplemental Report(s): Documentation of notice to surface owner; Estimated volumes of fluids released and recovered; Analytical results and sample location diagrams for water and soil samples.

Compliance Description: An email from the Caerus Lead Surface Landman to pertinent staff has been included documenting that the landowner was notified about the release at 3:55 p.m. on January 14th, 2019.

Compliance Description: The estimated volume of fluids released and recovered have been included in the Spill/Release Detail Report

section of this Supplemental Form 19.

Compliance Description: As discussed in the January 24th, 2019 bi-weekly meeting between the COGCC and Caerus EHS staff, all laboratory analytical results, summary tables, and sample location diagrams for water and soil will be included in a Supplemental Form 27 in order to keep the high volume of information being received organized.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Jake Janicek  
Title: EHS Lead Date: 01/24/2019 Email: jjanicek@caerusoilandgas.com

<b>COA Type</b>	<b>Description</b>
	Submit Supplemental eForm 19 to provide an estimated duration of this release along with a description of the basis for the estimate.
	Submit relevant data from the pressure monitor on the failed 3/8" stainless line via eForm 04 Sundry Notice to the attention of Mark Schlagenhauf. Include sufficient information from normal operations prior to the spill to identify the normal operating pressure of the line as well as pressure monitoring data from during and after failure of the line. This Sundry notice shall also include a summary of when and how the spill was brought to the Operator's attention in addition to a description of how similar occurrences will be prevented in the future.
	Supplemental Form 19 (doc #401914437) for Spill ID #460722 indicates that "the 3/8 inch stainless tubing and transducer have been removed," Initial Form 27 (doc #401908998) indicates that "the stainless line was repaired."  Please clarify.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401914437	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401916720	OTHER
401916721	TOPOGRAPHIC MAP
401921961	FORM 19 SUBMITTED

Total Attach: 4 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Environmental	Water sample collected on 1/14/2019 (Sample ID Orchard Pond) documents benzene exceedence of 144 ppb. This result indicates surface water impact.	01/29/2019

Total: 1 comment(s)