

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

402363891

Date Received:

04/07/2020

Spill report taken by:

Arauzo, Steven

Spill/Release Point ID:

474297

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>	Phone Numbers
Address: <u>1001 17TH STREET #1600</u>		Phone: <u>(970) 285-2925</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>(970) 640-6919</u>
Contact Person: <u>Blair Rollins</u>		Email: <u>brollins@caerusoilandgas.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402355634

Initial Report Date: 03/30/2020 Date of Discovery: 03/28/2020 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NESW SEC 22 TWP 4S RNG 96W MERIDIAN 6

Latitude: 39.685263 Longitude: -108.156528

Municipality (if within municipal boundaries): _____ County: GARFIELD

Reference Location:

Facility Type: GAS GATHERING PIPELINE SYSTEM Facility/Location ID No _____

Spill/Release Point Name: K22 CDP Well API No. (Only if the reference facility is well) 05- -

No Existing Facility or Location ID No.

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): 0

Estimated Other E&P Waste Spill Volume(bbl): >=5 and <100 Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: 20 barrels of filtered produced water

Land Use:

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

Weather Condition: Cloudy

Surface Owner: FEE Other(Specify): Caerus Oil and Gas

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):

A Caerus compressor operator was returning the K22 CDP back to production due to an ESD on location. While supervising the start-up, the operator noticed the separator level was going down and went to investigate. He identified the gasket on a filter pot had blown out and was spilling filtered produced water into the filter pot skid and onto the location. The operator immediately shut everything down and contacted a water truck to remove the fluids spilled from the filter pot. The water truck recovered 20 barrels of filtered produced water, approximately 10 barrels was contained in the filter skid and 10 barrels was found on the location surface.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/28/2020	BLM WRFO	Tim Barrett	970-878-9940	Took report, waiting for NTL-3A
3/28/2020	COGCC	Steven Arauza	720-498-5298	Voicemail
3/30/2020	Garfield County	Kirby Wynn	970-625-5905	Email

Was there a Grade 1 Gas Leak? Yes No

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

Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&P waste spill or release? Yes No

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

Was there damage during excavation? Yes No

If YES, was CO 811 notified prior to excavation? Yes No

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 04/07/2020

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>20</u>	<u>20</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): 20 Width of Impact (feet): 20

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): _____

How was extent determined?

The spill was immediately contained and recovered by vacuum truck, was contained as a shallow spill on the active working surface of the pad, and had a known volume of spilled fluid. The 20 barrels of produced water was partially contained (~10 bbls) inside the skid and 10 barrels were contained on the active working surface of the pad. The extent of contamination was determined based on a soil sample collected at the point of release (POR) just outside the filter pot skid. The POR sample identified compliance with COGCC Table 910-1 standards, except for arsenic and SAR. Background samples from the adjacent N22 well pad, see attached figure, demonstrate background concentrations of arsenic found to be above the COGCC Table 910-1 standard for arsenic. Please see attached FAQ 31 consideration request.

Soil/Geology Description:

Silas loam, 3 - 12 percent slopes.

Depth to Groundwater (feet BGS) 50

Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well 2870 None

Surface Water _____ None

Wetlands _____ None

Springs _____ None

Livestock _____ None

Occupied Building _____ None

Additional Spill Details Not Provided Above:

See the attached FAQ 31 and 32 consideration request.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 04/07/2020

Root Cause of Spill/Release Equipment Failure

Other (specify) _____

Type of Equipment at Point of Spill/Release: Other

If "Other" selected above, specify or describe here:

Filter pot gasket

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

The filter pot gasket broke apart and was forced out of the filter pot during operation.

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

Inspect filter pot gaskets and replace gasket when issues are identified.

Volume of Soil Excavated (cubic yards): 0

Disposition of Excavated Soil (attach documentation) Offsite Disposal Onsite Treatment

Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 0

Volume of Impacted Surface Water Removed (bbls): 0

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:

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

Signed: _____ Print Name: Blair Rollins

Title: EHS Specialist Date: 04/07/2020 Email: brollins@caerusoilandgas.com

COA Type**Description**

	Based on review of information presented it appears that no further action is necessary at this time, and COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if surface and/or ground water is found to be impacted, then further investigation and/or remediation activities will be required at the site.
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Attachment Check List**Att Doc Num****Name**

402363891	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402363950	ANALYTICAL RESULTS
402363951	ANALYTICAL RESULTS
402363953	ANALYTICAL RESULTS
402363955	OTHER
402364070	AERIAL PHOTOGRAPH
402364080	AERIAL PHOTOGRAPH
402373850	FORM 19 SUBMITTED

Total Attach: 8 Files

General Comments**User Group****Comment****Comment Date**

Environmental	Operator's request for consideration of demonstrated background concentrations of arsenic in exceedance of Table 910-1 is approved based on the information provided (docs #402363953 & #402363955).	04/17/2020
Environmental	Based on the information presented below (via doc #402363955), the COGCC conditionally approves of the operator's request for relief from Table 910-1 standard for SAR: "During pad reclamation and closure, Caerus will undergo a final pad review process to ensure threats to potential receptors are identified and removed or mitigated. This process includes review of historic spills and releases, sampling, and coordination with reclamation and construction staff for reclamation requirements. Based on the request for consideration for FAQ 32, Caerus will ensure all elevated concentrations of SAR will be buried below at least three feet of native soil to ensure agronomic growth."	04/17/2020

Total: 2 comment(s)