

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

401797050

Date Received:

10/29/2018

Spill report taken by:

Araza, Steven

Spill/Release Point ID:

457248

## 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: CAERUS PICEANCE LLC	Operator No: 10456	<b>Phone Numbers</b>
Address: 1001 17TH STREET #1600		Phone: (970) 285-2720
City: DENVER State: CO Zip: 80202		Mobile: (970) 778-2314
Contact Person: Jake Janicek		Email: jjanicek@caerusoilandgas.com

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401751942

Initial Report Date: 09/01/2018 Date of Discovery: 08/31/2018 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESW SEC 29 TWP 5S RNG 96W MERIDIAN 6

Latitude: 39.583285 Longitude: -108.197370

Municipality (if within municipal boundaries): County: GARFIELD

#### Reference Location:

Facility Type: WELL PAD ☒ Facility/Location ID No 335943

Spill/Release Point Name: 29C Flowback 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): >=5 and <100

Estimated Produced Water Spill Volume(bbl): 0

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: Clear

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):

Fluid was spilled during flowback activities. Spill was contained on location. A water truck was called in and fluids were recovered.

**List Agencies and Other Parties Notified:**

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: 10/16/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	0	0	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	10	2	<input checked="" type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>

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

Was spill/release completely contained within berms or secondary containment? YES 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): 100 Width of Impact (feet): 50

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

How was extent determined?

On 9/11/2018, three soil samples were collected from the release area and submitted for laboratory analysis of constituents identified in COGCC Table 910-1. Laboratory analytical results indicated concentrations on analytes that were either compliant with COGCC Table 910-1 Concentrations Levels or below background concentrations observed in the area with the exception of EC, SAR and benzo(A) pyrene at soil sample locations SS01 and SS02. On 10/2/2018, two additional soil samples were collected at soil sample locations SS01 and SS02 and submitted for laboratory analysis of benzo(A)pyrene. Laboratory analytical results indicated compliance with COGCC Table 910-1 Concentrations Levels. The release area, berm locations, and soil sample locations are depicted on the attached Site Map. Laboratory analytical reports are attached and summarized in Table 1.

Soil/Geology Description:

Parachute Irigul-Rhone association 25 to 50 percent slopes.

Depth to Groundwater (feet BGS) 34 Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest	Water Well 884	None <input type="checkbox"/>	Surface Water 1327	None <input type="checkbox"/>
	Wetlands	None <input checked="" type="checkbox"/>	Springs	None <input checked="" type="checkbox"/>
	Livestock	None <input checked="" type="checkbox"/>	Occupied Building	None <input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

The land owner (Chevron) was notified on 9/1/2018. The total estimated volume of release flowback fluid was 10 bbl. An estimated 2 bbl of fluid was recovered by a vac truck. The remaining 8 bbl of fluid was absorbed by the soil on the pad surface. The release area, berm locations, and soil sample locations are depicted on the attached Site Map. Groundwater depth was based on closest permitted water well. COGCC Rule 603.f requires production companies to keep well and surface production facilities weed free via weed spraying and a weed management program. Therefore, Caerus is inhibiting any vegetation growth on the location and these concentrations are not threatening vegetative growth. Any remaining EC and SAR concentrations exceeding these reclamation parameters will be addressed during the final reclamation of the location.

## 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: Chris McKisson

Title: Env. Scientist Date: 10/29/2018 Email: cmckisson@ltenv.com

### COA Type

### Description

	<p>The COGCC does not concur with the operator's assessment that corrective actions have been completed because the operator has not delineated the horizontal and vertical extent of impacted area, per conditions of approval for previous Spill Report (doc #401758405). Operator's NFA request is not approved at this time.</p> <p>Operator shall delineate horizontal and vertical extent of impacted area and submit results on a Supplemental eForm 19 Spill Report. Supplemental report shall include revised "How was extent determined?" section that describes initial visual assessment of spill extent.</p>
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## Attachment Check List

### Att Doc Num

### Name

401797050	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401814547	SITE MAP
401814552	ANALYTICAL RESULTS
401814556	ANALYTICAL RESULTS
401814560	ANALYTICAL RESULTS
401814561	ANALYTICAL RESULTS
401816952	FORM 19 SUBMITTED

Total Attach: 7 Files

## General Comments

### User Group

### Comment

### Comment Date

Environmental	Removed operator's NFA request from this report. Spill occurred outside of secondary containment and vertical extent of impacted area has not yet been delineated. Operator estimates that groundwater exists beneath location at a depth of 34'.	10/30/2018
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Environmental	<p>Attached site diagram (doc #401814547) illustrates spill location in relation to frac tanks and perimeter berm for pad. COGCC does not consider the perimeter berm to constitute secondary containment device for Rule 906.b.(1) reporting purposes.</p> <p>eForm 19 indicates that secondary containment, including the floor/base, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs. This Spill report indicates that 10 bbls of flowback fluid were released but only 2 bbls were recovered. Therefore the floor of the well pad was not sufficiently impervious to contain discharge.</p>	10/30/2018
Environmental	Analytical results document Table 910-1 exceedances for EC and SAR at the location of sample SS-01 in addition to an EC exceedance at SS-02.	10/30/2018

Total: 3 comment(s)