

State of Colorado
Energy & Carbon Management Commission



1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number:

403676577

Date Received:

02/09/2024

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 912.b. for reporting requirements of spills or releases of E&P Waste, produced Fluids, or unauthorized Releases of natural gas. Submit a Site Investigation and Remediation Workplan (Form 27) if Rule 913.c. applies.

Spill report taken by:

Araza, Steven

Spill/Release Point ID:

485745

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>

Transfer of Operatorship: Pursuant to Rule 912.f, this Supplemental Form 19 is being submitted to designate the Buying Operator as the responsible Operator for this Spill and Release.

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 403626237

Initial Report Date: 12/15/2023 Date of Discovery: 12/14/2023 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NWNW SEC 20 TWP 6S RNG 96W MERIDIAN 6

Latitude: 39.513708 Longitude: -108.139299

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

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

Reference Location:

Facility Type: PIPELINE Facility/Location ID No 335161

Spill/Release Point Name: D20 dump line Well API No. (Only if the reference facility is well) 05- -

No Existing Facility or Location ID No.

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): Unknown

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

Specify: _____

Has the subject Spill/Release been controlled at the time of reporting? Yes

Land Use:

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

Weather Condition: Sunny and 45 degrees

Surface Owner: FEE Other(Specify): Chevron

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

The LDAR team was conducting FLIR inspections on the well pad when they identified gas leaking near the separator. The gas was leaking from the gas dump line between the separator and tanks on location. The wells were shut in to control the incident.

List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):

OTHER NOTIFICATIONS

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
12/14/2023	COGCC	Steven Arauza	720-498-5298	Left a message
12/15/2023	Garfield County	Kirby Wynn	970-625-5905	
12/15/2023	CPW	Taylor Elm	970-986-9767	

REPORT CRITERIA

Rule 912.b.(1) Report to the Director (select all criteria that apply):

No Rule 912.b.(1).A: A Spill or Release of any size that impacts or threatens to impact any Waters of the State, Public Water System, residence or occupied structure, livestock, wildlife, or publicly-maintained road.

Waters of the State: _____ Public Water System: _____

Residence or Occupied Structure: _____ Livestock: _____

Wildlife: _____ Publicly-Maintained Road: _____

No Rule 912.b.(1).B: A Spill or Release in which 1 barrel or more of E&P Waste or produced fluids is spilled or released outside of berms or other secondary containment.

No Rule 912.b.(1).C: A Spill or Release of 5 barrels or more of E&P Waste or produced Fluids regardless of whether the Spill or Release is completely contained within berms or other secondary containment.

No Rule 912.b.(1).D: Within 6 hours of discovery, a Grade 1 Gas Leak. For a Grade 1 Gas Leak from a Flowline, the Operator also must submit the Form 19 – Initial, document number on a Form 44, Flowline Report, for the Grade 1 Gas Leak

Enter the approximate time of discovery _____ (HH:MM)

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? _____

Enter the Document Number of the Initial Accident Report, Form 22 _____

Was there damage during excavation? _____

Was CO 811 notified prior to excavation? _____

No Rule 912.b.(1).E: The discovery of 10 cubic yards or more of impacted material resulting from a current or historic Spill or Release. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards.

Estimated Volume of Impacted Solids (cu. yd.): _____

No Rule 912.b.(1).F: The discovery of impacted Waters of the State, including Groundwater. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards. The presence of free product or hydrocarbon sheen on Groundwater or surface water is reportable. The presence of contaminated soil in contact with Groundwater or surface water is reportable. Check all that apply:

The presence of free product or hydrocarbon sheen Surface Water

The presence of free product or hydrocarbon sheen on Groundwater

The presence of contaminated soil in contact with Groundwater

The presence of contaminated soil in contact with Surface water

Yes	Rule 912.b.(1).G: A suspected or actual Spill or Release of any volume where the volume cannot be immediately determined, including a spill or release of any volume that daylight from the subsurface.
No	Rule 912.b.(1).H: Spill or Release resulting in vaporized hydrocarbon mists that leave the Oil and Gas Location or Off-Location Flowline right of way from an Oil and Gas Location and impacts or threatens to impact off-location property.
	<input type="checkbox"/> Areas offsite of Oil & Gas Location <input type="checkbox"/> Off-Location Flowline right of way
Yes	Rule 912.b.(1).I: A Release of natural gas that results in an accumulation of soil gas or gas seeps.
No	Rule 912.b.(1).J: A Release that results in natural gas in Groundwater.

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: <u>02/05/2024</u>		
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			<input checked="" 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? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): _____		Width of Impact (feet): _____	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
On January 18, 2024, an initial release assessment and soil sampling to characterize soil impacts at the point of release (POR) was conducted. After exposing the POR, hand tools were used to collect one soil sample from directly beneath the POR at 5 feet below ground surface (bgs). The soil sample was characterized using visual and olfactory observations, and field-screened for volatile organic compounds using a photoionization detector (PID).			
The extent of soil impacts will be determined by additional soil sampling and laboratory analysis. Prior to additional investigation, Caerus requests consideration of Rule 915.e.2.(C) to request a reduced analyte list of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, xylenes (BTEX), 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene based on POR characterization sample results. See the attached Report of Work Completed (ROWC) for details.			
Soil/Geology Description:			
Torriorthents-Camborthids-Rock outcrop complex, steep. Lithology at the Location is characterized by high-plasticity inorganic clays with gravel dispersed throughout. Precise depth to groundwater data at the Location is unavailable. The nearest available groundwater measurement is from Division of Water Resources (DWR) well permit 2345968, positioned approximately 0.75 miles south of the site at an elevation of 5,560 feet above mean sea level (AMSL). This well has a static water level of 52.36 feet bgs. The Location sits at an elevation of 5,835 feet AMSL. Although exact depth to groundwater at the location is unknown, it can be inferred to be greater than 300 feet bgs. There is no relevant upgradient groundwater measurement points. The anticipated groundwater flow is towards the east, leading to Parachute Creek and eventually the Colorado River, approximately 6.85 miles southeast of the Location.			
Depth to Groundwater (feet BGS) <u>300</u>		Number Water Wells within 1/2 mile radius: <u>0</u>	
If less than 1 mile, distance in feet to nearest		Water Well <u>3900</u> None <input type="checkbox"/>	Surface Water <u>2360</u> None <input type="checkbox"/>
		Wetlands <u>2360</u> None <input type="checkbox"/>	Springs <u>5070</u> None <input type="checkbox"/>
		Livestock <u>3300</u> None <input type="checkbox"/>	Occupied Building <u>3300</u> None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

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, check all that apply)
 - Horizontal and Vertical extents of impacts have been delineated.
 - Documentation of compliance with Table 915-1 is attached.
 - All E&P Waste has been properly treated or disposed.
 - Work proceeding under an approved Form 27 (Rule 912.c).
Form 27 Remediation Project No: _____
 - SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

This form has been submitted to provide the results of initial site investigation for ECMC Spill/Release Point ID 485745. In accordance with Table 915-1 Footnote 1, Caerus requests alternative allowable limits of sodium adsorption ratio (SAR) and arsenic of 62.5 and 14.3 milligrams per kilogram (mg/kg), respectively. The concentrations are based on naturally occurring concentrations of SAR and arsenic found in the native undisturbed background soils around the D20 696 well pad. Prior to additional investigation, Caerus requests consideration of Rule 915.e.2.(C) to request a reduced analyte list of TPH, benzene, toluene, ethylbenzene, xylenes (BTEX), 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene based on POR characterization sample results.

Caerus is requesting to compare site sample results to Table 915-1 Residential Soil Screening Level Concentrations. The nearest water well located approximately ¼ of a mile south of the D20 696 has a static water level of 50 feet below ground surface (bgs). The water well surface elevation is 5,547 feet, and the D20 696 Pad has an approximate elevation of 5,835 feet. Due to the estimated depth to groundwater of greater than 300 feet bgs at the site, Caerus requests to compare analytical results of site investigation to Table 915-1 RSSLs as no reasonable pathway to groundwater appears to exist.

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: Environmental Specialist Date: 02/09/2024 Email: brollins@caerusoilandgas.com

COA Type

Description

	Based on the analytical data provided for the POR characterization sample (doc #403681909), the Operator's request for a reduced analyte suite of TPH, BTEX, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene is approved with the condition below: In addition to the requested analyte suite, the Operator will continue to analyze soil samples for SAR.
1 COA	

Attachment List

Att Doc Num	Name
403676577	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403681909	OTHER
403682185	FORM 19 SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	The Operator's request to establish a native background SAR of 62.5 is not approved at this time. SAR remains a contaminant of concern for this project at the Table 915-1 standard of 6. See COA above.	02/09/2024

Total: 1 comment(s)