

## State of Colorado

## Energy &amp; Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403885621

Date Received:

08/12/2024

Spill report taken by:

Arauz, Steven

Spill/Release Point ID:

487551**SPILL/RELEASE REPORT (SUPPLEMENTAL)**

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to ECMC 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.

**OPERATOR INFORMATION**

Name of Operator: CAERUS PICEANCE LLC	Operator No: 10456	<b>Phone Numbers</b>
Address: 1001 17TH STREET #1600		Phone: (970) 902-3598
City: DENVER	State: CO	Zip: 80202
Contact Person: Andy Verbonitz		Mobile: (970) 902-3598
		Email: averbonitz@caerusoila.ndgas.com

☐ 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# 403875430

Initial Report Date: 08/02/2024	Date of Discovery: 08/02/2024	Spill Type: Recent Spill
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**Spill/Release Point Location:**

QTRQTR SENE SEC 19 TWP 1S RNG 96W MERIDIAN 6

Latitude: 39.954938 Longitude: -108.201445

Municipality (if within municipal boundaries): County: RIO BLANCO

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

☐ Check this box if this spill/release is related to a loss of integrity of a flowline, pipeline, crude oil transfer line, or produced water transfer line.

**Reference Location:**

Facility Type: WELL ☒ Facility/Location ID No 316658

Spill/Release Point Name: RNPU 196-19B1 BOP Release ☐ 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): >=5 and <100
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: Warm Sunny

Surface Owner: FEDERAL

Other(Specify): BLM WRFO

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

Work over rig on-site for casing repair. Failed BOP due to slick line debris in rams. Personnel arrived in morning and discovered release occurred overnight. Approximately 70 bbls of produced water released into cellar and an estimated 10 bbls overflowed onto pad surface. 60 bbls were recovered from the cellar and pad surface surrounding the well. No liquid left location and clean up operations are ongoing.

**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>
8/2/2024	Rio Blanco County	Eddie Smercina	-	Via Email
8/2/2024	CPW	Taylor Elm	-	Via Email
8/2/2024	ECMC	Steven Arauza	-	Via Email
8/2/2024	BLM and Land Owner	Tim Barrett	-	Via Email

**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: \_\_\_\_\_
- Yes 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.
- Yes 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:  <input type="checkbox"/> The presence of free product or hydrocarbon sheen Surface Water <input type="checkbox"/> The presence of free product or hydrocarbon sheen on Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Surface water
No	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's 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
No	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: 08/12/2024		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	70	60	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<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, <b>including walls &amp; floor regardless of construction material</b>, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>			
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): <u>100</u>		Width of Impact (feet): <u>50</u>	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
Extent has yet to be determined. The listed measurements are estimates based on field screening of moist road base pad material following the release. On 8/5/2024, the release area was field screened and one soil sample was collected for characterization of the most impacted material at the point of release. Background samples were also collected from adjacent reference areas. All samples are pending laboratory analysis and a field sampling summary including photo documentation is provided as an attachment.			
Soil/Geology Description:			
Map Unit Symbol 70: Redcreek-Rentsac Complex, 5 to 40 % slopes			
Depth to Groundwater (feet BGS) <u>500</u>		Number Water Wells within 1/2 mile radius: <u>0</u>	
If less than 1 mile, distance in feet to nearest	Water Well _____ None <input checked="" type="checkbox"/>	Surface Water <u>1250</u>	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:			

Date Run: 8/12/2024 Doc [#403885621]

There are no water wells within 1 mile of the location. The closest water well (Permit #162267) is approximately 1.7 miles north of the pad and located approximately 460' lower in elevation with a recorded water depth of 69 to 80' bgs. The closest surface water is an unnamed intermittent drainage located approximately 0.25 miles east of the pad and is approximately 150' lower in elevation. Based on the difference in elevations, groundwater is estimated to be at least 500' bgs at the point of release. Due to the estimated depth to groundwater at this location, it is believed that no pathway to groundwater is present and Caerus is requesting use of Residential Soil Screening Levels be used as clean up standards for this project.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 08/12/2024

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:

Rams on BOP workover wellhead

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

Work over rig on-site for casing repair. Failed BOP due to slick line debris in rams. Personnel arrived in morning and discovered release occurred overnight. Approximately 70 bbls of produced water released into cellar and an estimated 10 bbls overflowed onto pad surface. 60 bbls were recovered from the cellar and pad surface surrounding the well. No liquid left location and clean up operations are ongoing.

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

Workover crew will ensure rams are fully engaged and free of debris prior to shutting down for the night.

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, 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:

There are no water wells within 1 mile of the location. The closest water well (Permit #162267) is approximately 1.7 miles north of the pad and located approximately 460' lower in elevation with a recorded water depth of 69 to 80 feet below ground surface (bgs). The closest surface water is an unnamed intermittent drainage located approximately 0.25 miles east of the pad and is approximately 150' lower in elevation. Based on the difference in elevations, groundwater is estimated to be at least 500' bgs at the point of release. Because this release occurred above ground and was caught quickly, and due to the estimated depth to groundwater at this location, it is believed that no pathway to groundwater is present and Caerus is requesting Residential Soil Screening Levels (RSSLs) be used as clean up standards for this project. Please see the attached topographic and aerial maps depicting the geographic setting of this release location.

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

Signed: \_\_\_\_\_ Print Name: Andy Verbonitz

Title: EHS Rem Specialist Date: 08/12/2024 Email: averbonitz@caerusoilandgas.com

**COA Type**

**Description**

0 COA	

**ATTACHMENT LIST**

**Att Doc Num**

**Name**

403885777	AERIAL IMAGE
403885782	TOPOGRAPHIC MAP
403885792	PHOTO DOCUMENTATION

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)