

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

403029210

Date Received:

04/28/2022

Spill report taken by:

Brown, Kari

Spill/Release Point ID:

481408

**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.

**OPERATOR INFORMATION**

Name of Operator: <u>BONANZA CREEK ENERGY OPERATING COMPANY LLC</u>	Operator No: <u>8960</u>	<b>Phone Numbers</b>
Address: <u>410 17TH STREET SUITE #1400</u>		Phone: <u>(720) 315-8934</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>( )</u>
Contact Person: <u>Luke Kelly</u>		Email: <u>lkelly@civiresources.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# 402921024

Initial Report Date: 01/08/2022 Date of Discovery: 01/07/2022 Spill Type: Recent Spill

**Spill/Release Point Location:**

QTRQTR SWSW SEC 2 TWP 5N RNG 62W MERIDIAN 6

Latitude: 40.424494 Longitude: -104.295614

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

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

**Reference Location:**

Facility Type: TANK BATTERY  Facility/Location ID No 435952  
 Spill/Release Point Name: SA 14-2\_SA J24-2-14XRLNB  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): <u>0</u>	Estimated Condensate Spill Volume(bbl): <u>0</u>
Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u>	Estimated Produced Water Spill Volume(bbl): <u>&gt;=1 and &lt;5</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>

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

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

**Land Use:**

Current Land Use: OTHER Other(Specify): Range Land

Weather Condition: Clear, 30's

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

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

On January 7, 2022, a compromised check valve on the State Antelope J24-2-14XRLNB separator resulted in one bbl of produced water being released inside of containment and one bbl of produced water being released outside of containment. The release was contained to the road base plated pad surface. The impacted soil will be removed and hauled to a COGCC approved disposal facility. Confirmation soil samples will be collected and analyzed for TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons), organic compounds in soil, and a source waste characterization sample for metals. Background samples for metal comparison will be collected, as needed. Analytical results will be included in a subsequent report.

**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>
1/8/2022	Weld Co. OEM	David Burns	-on file	Notified of release
1/8/2022	State Land Board	Steve Freese	-on file	Notified of release

**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.

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

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 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: <u>04/28/2022</u>		
<b>FLUIDS</b>	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>2</u>	<u>2</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? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls &amp; floor regardless of construction material, 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>38</u>		Width of Impact (feet): <u>32</u>	
Depth of Impact (feet BGS): <u>2</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
The surficial area of impacts was determined during hydro-vacuum and/or conventional excavation recovery of approximately 2 barrels of the released, treated water from outside of containment. Based on measurements of the excavation boundary, the surface area of impacts is approximately 500 square feet. Soil samples were collected and analyzed for full Table 915-1 constituents until the areal and vertical extents of the excavation were within COGCC Table 915-1 allowable limits. The background (BKG01@6") and a few excavation samples (SA J24 BOT01@3', SA J24 BOT04@3', SA J24 E01@3', and SA J24 S02@2') exceeded Table 915-1 allowable limits and/or calculated site-specific background concentrations for arsenic ranging from 1.63 to 2.81 mg/kg and selenium ranging from 0.23 to 0.30 mg/kg. Site-specific calculated background concentrations indicate that Arsenic, Barium, and Selenium are naturally elevated at the location. These concentrations are not irregular for arsenic concentrations in this land-use type with no reason to believe that arsenic-containing materials may have been used at this site (Colorado Department of Public Health and Environment Arsenic Concentrations in Soil, July 2014 -see attached). Additionally, concentrations of Arsenic and Selenium are well within the range of median concentrations for naturally occurring Arsenic and Selenium in the State of Colorado (Geochemical Data for Colorado Soils: Results from the 2006 State-Scale Geochemical Survey - see attached).			
Soil/Geology Description:			
Osgood Sand			
Depth to Groundwater (feet BGS) <u>8</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>2910</u> None <input type="checkbox"/>	Surface Water <u>690</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:			

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 04/28/2022

Root Cause of Spill/Release Equipment Failure

Other (specify) \_\_\_\_\_

Type of Equipment at Point of Spill/Release: Horizontal Heated Separator

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

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

On January 7, 2022, a compromised check valve on the State Antelope J24-2-14XRLNB separator resulted in one bbl of produced water being released inside of containment and one bbl of produced water being released outside of containment. The release was contained to the road base plated pad surface.

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

The failed equipment will be replaced and will be monitored according to routine maintenance intervals.

Volume of Soil Excavated (cubic yards): 25

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

Other (specify) \_\_\_\_\_

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, 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 19 Supplemental is being submitted to request closure for the Spill/Release ID (481408) and to include the Corrective Actions summary in the Form 19 Initial report. Results of the remedial investigation activities, including a topo map, site map, laboratory results tables, and laboratory analytical results, are provided.

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

Signed: \_\_\_\_\_ Print Name: Maggie Graham

Title: Senior Project Manager Date: 04/28/2022 Email: Maggie.Graham@apexcos.com

## Condition of Approval

**COA Type****Description**

<b>COA Type</b>	<b>Description</b>
0 COA	

### Attachment List

**Att Doc Num****Name**

403029210	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403029235	OTHER
403029236	OTHER
403029237	OTHER
403092338	FORM 19 SUBMITTED

Total Attach: 5 Files

### General Comments

**User Group****Comment****Comment Date**

Environmental	<p>Based on the information presented, it appears that no further remedial action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required.</p> <p>The surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules. For locations with active ongoing oil and gas operations, comply with Rule 1003 interim reclamation requirements and for locations that will no longer have active oil and gas operations, comply with Rule 1004 Final Reclamation requirements.</p>	06/14/2022
Environmental	Review task added for Reclamation Specialist review to evaluate inorganic content that will be left in place until later reclamation of the location.	06/14/2022

Total: 2 comment(s)