

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

403129222

Date Received:

09/14/2022

Spill report taken by:

Heil, John

Spill/Release Point ID:

481322

## 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>TEP ROCKY MOUNTAIN LLC</u>	Operator No: <u>96850</u>	<b>Phone Numbers</b>
Address: <u>1058 COUNTY ROAD 215</u>		Phone: <u>(970) 263-2760</u>
City: <u>PARACHUTE</u>	State: <u>CO</u>	Mobile: <u>(970) 623-4875</u>
Zip: <u>81635</u>		Email: <u>mgardner@terraep.co</u>
Contact Person: <u>Michael Gardner</u>		<u>m</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# 402908910

Initial Report Date: 12/26/2021 Date of Discovery: 12/23/2021 Spill Type: Recent Spill

#### Spill/Release Point Location:

QTRQTR SESE SEC 1 TWP 2S RNG 98W MERIDIAN 6Latitude: 39.899218 Longitude: -108.336276Municipality (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.

#### Reference Location:

Facility Type: PRODUCED WATER TRANSFER SYSTEM☐ Facility/Location ID No \_\_\_\_\_Spill/Release Point Name: Ryan Gulch Mud Can #2.0☐ 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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0Specify: 320 bbls produced waterHas the subject Spill/Release been controlled at the time of reporting? Yes

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): \_\_\_\_\_

Weather Condition: Overcast, raining, coldSurface Owner: FEDERAL

Other(Specify): \_\_\_\_\_

The release was discovered on December 23, 2021 at the Mud Can 2.0 where produced water was found flowing out of the can and into a nearby sediment catch basin. Immediately upon discovery, the affected water lines were shut-in and vac trucks were dispatched to begin recovering water that was collecting in the sediment pond located immediately adjacent to the valve can. Crews recovered ~300 bbls of produced water from the nearby sediment pond. Fortunately, the sediment pond served as an effective containment vessel for the release, and there was no water escaped the sediment pond. After water was evacuated from the valve can, production personnel discovered that the cause of the spill was due to a leak that had developed in a new 4-inch Flex-pipe leg that was recently tied into the valve can. The flex- pipe appears to have failed about 3 feet from the tie-in fitting. The exact cause of the why the new pipe failed at this location is under investigation.

## OTHER NOTIFICATIONS

## REPORT CRITERIA

No	<p>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.</p> <p>Waters of the State: <u>n/a</u> Public Water System: <u>n/a</u></p> <p>Residence or Occupied Structure: <u>n/a</u> Livestock: _____</p> <p>Wildlife: _____ Publicly-Maintained Road: _____</p>
Yes	<p>Rule 912.b.(1).B: A Spill or Release in which 1 barrel or more of E&amp;P Waste or produced fluids is spilled or released outside of berms or other secondary containment.</p>
Yes	<p>Rule 912.b.(1).C: A Spill or Release of 5 barrels or more of E&amp;P Waste or produced Fluids regardless of whether the Spill or Release is completely contained within berms or other secondary containment.</p>
No	<p>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</p> <p>Enter the approximate time of discovery _____ (HH:MM)</p> <p>Enter the Document Number of the Grade 1 Gas Leak Report, Form 44 _____</p> <p>Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&amp;P waste spill or release? _____</p> <p>Enter the Document Number of the Initial Accident Report, Form 22 _____</p> <p>Was there damage during excavation? _____</p> <p>Was CO 811 notified prior to excavation? _____</p>
Yes	<p>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.</p> <p>Estimated Volume of Impacted Solids (cu. yd.): 20</p>

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
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
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: 02/15/2022		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	320	300	<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: 320 bbls with 300 bbls recovered			
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>114</u>		Width of Impact (feet): <u>47</u>	
Depth of Impact (feet BGS): <u>12</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
Visual observation, field screening and confirmation soil sampling			
Soil/Geology Description:			
OH - organic silts/clays			
Depth to Groundwater (feet BGS) <u>91</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>323</u>	None <input type="checkbox"/>	Surface Water <u>0</u> None <input type="checkbox"/>
	Wetlands <u>0</u>	None <input type="checkbox"/>	Springs <u>0</u> None <input type="checkbox"/>
	Livestock <u>0</u>	None <input type="checkbox"/>	Occupied Building <u>0</u> None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

Nearby water well located ~4,000 feet to the east indicates water level of 91 feet was recorded. Ephemeral drainage located ~100 feet to the south did not contain any live surface water. Nearest surface water is located 2.6 miles to the east.

All released fluids were captured with snow and ice, as well as within the sediment catch basin ~114 feet away. Hydro-vac equipment was used to remove all impacted materials as well as the top 0-4" of soil where the spill flowed and within the catchment basin.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/15/2022

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:

4-inch Flex-pipe leg

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

4-inch Flex-pipe leg that was recently tied into the valve can failed about 3 feet from the tie-in fitting, resulting in produced water to leak out.

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

Continue with routine maintenance and repairs

Volume of Soil Excavated (cubic yards): 5

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:

Please forward onto John Heil

This Supplemental Form 19 is being submitted to request closure of the TEP RGU Mud Can spill (Spill ID 481322).

Initial response actions occurring on 12/23/2021 consisted of hydro-vac equipment being used to recover fluids released from the 4" flexline, which flowed east/southeast above the snow/ice layer where it was ultimately contained within a sediment catchment basin ~114 feet away. An estimated 300 bbls were recovered with approximately ~2-4" of soil being hydro-excavated during the initial response actions.

Samples collected on 1/3/2022 indicated that some slight exceedances were observed at each of the three (3) sample points and additional hydro-excavation was needed (see attached data tracker for exceedances). Hydro-excavation crews returned and removed an

additional 2-4" of soil within the spill flowpath and catchment basin. Samples were re-collected on 1/25/2022 which results indicated compliance with Table 915-1. Total depth of soils hydro-excavated ranged from 4-6", which is the same depth confirmation samples were collected.

All hydro-vac'd fluids from the recovered production water and snow/ice was hauled to the Mautz Ranch Centralized E&P Facility. Any soils that were hydro excavated were hauled offsite to Greenleaf Environmental for disposal.

TEP is requesting closure of Spill ID 481322.

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

Signed: \_\_\_\_\_ Print Name: Kris Rowe

Title: TEP Environmental Date: 09/14/2022 Email: krowe@terraep.com

### **Condition of Approval**

#### **COA Type**

#### **Description**

	Based on a review of the information provided, it appears that no further action is necessary at this time and COGCC approves the closure request. Should conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards, or, if groundwater is found to be significantly impacted, further investigation and/or remediation activities may be required at the site.
1 COA	

### **Attachment List**

#### **Att Doc Num**

#### **Name**

403129222	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403129279	ANALYTICAL RESULTS
403129280	ANALYTICAL RESULTS
403129282	ANALYTICAL RESULTS
403129287	ANALYTICAL RESULTS
403129292	SOIL SAMPLE LOCATION MAP
403165811	PHOTO DOCUMENTATION
403166735	FORM 19 SUBMITTED

Total Attach: 8 Files

### **General Comments**

#### **User Group**

#### **Comment**

#### **Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)