

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

402445423

Date Received:

07/23/2020

Spill report taken by:

Heil, John

Spill/Release Point ID:

477140

### 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: <u>TEP ROCKY MOUNTAIN LLC</u>	Operator No: <u>96850</u>	<b>Phone Numbers</b>
Address: <u>PO BOX 370</u>		Phone: <u>(970) 263-2760</u>
City: <u>PARACHUTE</u> State: <u>CO</u> Zip: <u>81635</u>		Mobile: <u>(970) 623-4875</u>
Contact Person: <u>Michael Gardner</u>		Email: <u>mgardner@terraep.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402436307

Initial Report Date: 07/01/2020 Date of Discovery: 07/01/2020 Spill Type: Recent Spill

#### Spill/Release Point Location:

QTRQTR NENE SEC 4 TWP 7S RNG 96W MERIDIAN 6

Latitude: 39.472161 Longitude: -108.106433

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

#### Reference Location:

Facility Type: WELL PAD  Facility/Location ID No 333109

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

No Existing Facility or Location ID No.

#### 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? 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): >=1 and <5

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

Specify: ~ 4.7 bbls produced water

#### Land Use:

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

Weather Condition: Clear, warm, calm

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):

Production personnel discovered water coming to surface directly over an 8-inch gas sales line near the GM 41-4-796 well pad. The gas line was immediately closed and bled down. The root cause of this leak is equipment failure due to corrosion of the gas line. The location where the leak occurred is a low-spot in the pipeline where water can accumulate over time. Corrosion eventually caused a small hole (3/8 inch dia.) to develop in this low segment of the pipeline allowing water to escape and come to the surface. After the line was bled down and cleared, the pipeline was excavated to locate and repair the leak in the line. Soil samples from the impacted area have been field screened for TPH. Field screening readings ranged from 25 ppm to 47 ppm indicating a very low TPH content in the water and impacted soils. Soil samples have been collected from the excavation bottom and sidewalls and sent to the lab for analysis. There were no impacts to surface or ground water resources.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
7/1/2020	COGCC	John Heil	-	Form 19
7/1/2020	GarCo	Kirby Wynn	-	Email notification
7/1/2020	GVFPD	Chief David Blair	-	Email notification
7/1/2020	Land Owner		-	Email notification

Was there a Grade 1 Gas Leak? Yes  No

If YES, 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? Yes  No

If YES, enter the Document Number of the Initial Accident Report, Form 22: \_\_\_\_\_

Was there damage during excavation? Yes  No

If YES, was CO 811 notified prior to excavation? Yes  No

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date:			
	07/16/2020			
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown	
OIL	0	0	<input type="checkbox"/>	
CONDENSATE	0	0	<input type="checkbox"/>	
PRODUCED WATER	4	0	<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? NO 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): 12 Width of Impact (feet): 4

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Visual observation, excavation, sample collection, and PetroFlag screening for hydrocarbons. As shown in the attached sample location map, a composite soil sample was collected from impacted soils at SL-1 at a depth of ~ 6-ft to 3-ft BGS. Non-impacted soils beneath the pipe were field-screened with a PetroFlag kit at a depth of ~7-ft BGS, and yielded 0 ppm TPH. Composite soil samples were also collected from the bottom and side walls of the excavation at SL-2 (north half of excavation) and SL-3 (south half of excavation). Both samples confirm there were no impacts exceeding cleanup standards extending in either direction.

Soil/Geology Description:

Nihill Channery Loam, 6-25% slopes

Depth to Groundwater (feet BGS) 80

Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest

Water Well 3135 None

Surface Water 190 None

Wetlands 190 None

Springs 2372 None

Livestock \_\_\_\_\_ None

Occupied Building 3271 None

Additional Spill Details Not Provided Above:

As discussed with Richard Murray (Western Integrity Inspector), additional details relative to the investigation of the leak were provided in an email dated July 7, 2020 and is attached as additional correspondence to this Supplemental Form 19.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/16/2020

Root Cause of Spill/Release Pipe, Weld, or Joint Failure

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

Type of Equipment at Point of Spill/Release: Gathering Line

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

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

The primary root cause of the spill is equipment failure due to external corrosion and damage to coating of the 8-inch pipeline. The hole in the pipeline measured approximately 3/8-inch (length) x 1/8-inch (width). The external coating of the pipe was highly fractured and cracked around the hole which indicates that the protective coating on the pipeline was damaged at that location during initial installation. A secondary, but contributing factor in the incident is attributed to the this segment of the pipeline being in a topographic low-spot in the elevation profile of the pipeline. This low-spot likely allowed transient water to accumulate at this location over the years, and when combined with corrosion acting upon the exterior of the pipeline, a perforation developed at this location allowing the water to be released.

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

Continuous SCADA monitoring of the pipeline; conducting routine pressure testing; and continued, diligent inspection of pipelines and related equipment.

Volume of Soil Excavated (cubic yards): 20

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)

Work proceeding under an approved Form 27

Form 27 Remediation Project No: \_\_\_\_\_

## OPERATOR COMMENTS:

Samples collected from impacted soils within the excavation and around the pipeline indicate that there was very little hydrocarbon content in the water that was released. With the exception of arsenic and electrical conductivity, the analytical data confirm that all soil samples from impacted areas are below COGCC 910-1 cleanup standards. Per FAQs 31 and 32, TEP is requesting relief from both the arsenic and EC standards. Although the soil sample values for arsenic exceeded the current COGCC 910-1 cleanup standard, they are consistent with

the observed background values for this metal. Due to the extremely low hydrocarbon content, the excavated soils were used to backfill the excavation after repairs to the pipeline were completed.

This incident was discussed at length with Richard Murray (COGCC Western Integrity Inspector), and a summary of information requested by Mr. Murray has been attached to this Supplemental Form 19.

Based upon the field investigation of this incident, and the receipt of analytical data confirming that applicable COGCC cleanup standards have been attained, TEP is requesting closure of this incident.

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

Signed: \_\_\_\_\_ Print Name: Michael Gardner

Title: TEP Environmental Date: 07/23/2020 Email: mgardner@terraep.com

**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.
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**Attachment Check List**

**Att Doc Num**

**Name**

402445423	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402445426	SITE MAP
402445428	ANALYTICAL RESULTS
402445443	ANALYTICAL RESULTS
402446847	OTHER
402450029	FORM 19 SUBMITTED

Total Attach: 6 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)