

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401549079

Date Received:

02/27/2018

Spill report taken by:

FISCHER, ALEX

Spill/Release Point ID:

453963

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

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401530665

Initial Report Date: 01/30/2018 Date of Discovery: 01/30/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 26 TWP 6S RNG 94W MERIDIAN 6

Latitude: 39.491180 Longitude: -107.859280

Municipality (if within municipal boundaries): County: GARFIELD

Reference Location:

Facility Type: WATER GATHERING SYSTEM/LINE Facility/Location ID No 323868

No Existing Facility or Location ID No.

Well API No. (Only if the reference facility is well) 05- -

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? Yes

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: Estimated 75 bbls lost; Estimated 57 bbls recovered.

Land Use:

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

Weather Condition: Clear, cold, no wind.

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):

An isolation valve continued to leak after being closed. Overnight, the faulty valve allowed clean, treated water (for reuse) to overflow at a transfer pump and from the temporary containment structure. The water collected in several low spots near the transfer pump. The spill was discovered early this morning (1/30/18). TEP and contractor personnel identified the source of the leak and placed an end-cap on the faulty valve which stopped the leak. Vac trucks were used to clean up any standing water. Composite soil samples were collected and field-screened for TPH. The field data indicate the water had a very low hydrocarbon content. Verification soil samples are being collected for lab analysis to confirm that COGCC cleanup standards were not exceeded. KenGro absorbent material was placed on wet soils after standing water was recovered. Faulty valve will be replaced and the process for winterizing pumps and associated equipment will be corrected to prevent future incidents.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
01/30/2018	COGCC	Stan Spencer	970-987-2891	Email and initial Form 19
01/30/2018	COGCC	Carlos Lujan	970-286-3292	Email and initial Form 19
01/30/2018	GarCo	Kirby Wynn	970-987-2557	Email
01/30/2018	GVFPD	David Blair	970-285-9119	Email
01/30/2018	CRFR	Orrin Moon	970-379-2932	Email

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 02/19/2018

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	<u>0</u>	<u>0</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>75</u>	<u>57</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>

specify: 75 bbls total with 57 recovered

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): 192 Width of Impact (feet): 3

Depth of Impact (feet BGS): 0 Depth of Impact (inches BGS): _____

How was extent determined?

visual observations, field screening instruments and confirmation data

Soil/Geology Description:

clay of low plasticity, clayey gravel. Nearby water wells were evaluated to determine soil types and depth to groundwater (static water levels)

Depth to Groundwater (feet BGS) 80 Number Water Wells within 1/2 mile radius: 8

If less than 1 mile, distance in feet to nearest Water Well 1774 None Surface Water 150 None

Wetlands _____ None Springs _____ None

Livestock 50 None

Occupied Building 1700 None

Additional Spill Details Not Provided Above:

Based on tank trending data, it appears that approximately 75 bbls of water were lost from the tanks during this incident. Vac trucks were dispatched immediately and were able to recover a total of 57 bbls of water from the pad and the temporary pump containment structure. Due to the cold temperatures and frozen ground conditions, most of the water did not penetrate into the sub-soils, and most of the volume was able to be recovered. All of the water stayed on location, and there were no off-site impacts. TEP personnel collected four composite soil samples from the low spots on the pad, which is also where water accumulated. These results indicate that the produced water that was released was fairly clean and did not contain a hydrocarbon content exceeding COGCC Table 910-1. Any impacts within the inorganic parameters (SAR/EC/pH) will be address when the pad goes to final reclamation.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 02/19/2018

Cause of Spill (Check all that apply) Human Error Equipment Failure Historical-Unknown
 Other (specify) _____

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

The primary root cause of this incident is equipment failure – most likely a TEP-owned valve; however, the water transfer contractor is also preparing an incident report to summarize the details of the incident.

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

The process for winterizing transfer pumps and associated equipment is also being reviewed, and recommendations to prevent future incidents of this nature will be communicated to the appropriate personnel.

Volume of Soil Excavated (cubic yards): 0

Disposition of Excavated Soil (attach documentation) Offsite Disposal Onsite Treatment
 Other (specify) none

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)
 Work proceeding under an approved Form 27
Form 27 Remediation Project No: _____

OPERATOR COMMENTS:

Information requested within the COA's on the Initial Form 19 are outlined on the attached map diagram.

Confirmation samples from the low spots on the pad where remaining flowback water accumulated indicates that soils satisfy COGCC Table 910-1 thresholds. Additional PetoFlag hydrocarbon field screening results from the impacted area do not indicate any reason to suggest impacts may be present: Additional field screening results include;

- 1) West of Pump: 88 ppm
- 2) East of pump: 101 ppm
- 3) Ditch east of containment: 179 ppm
- 4) North terminus: 66 ppm

Terra is requesting closure of this release.

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: 02/27/2018 Email: MGardner@terraep.com

COA Type**Description**

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Attachment Check List**Att Doc Num****Name**

401549079	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401549104	ANALYTICAL RESULTS
401549105	SITE MAP
401558356	FORM 19 SUBMITTED

Total Attach: 4 Files

General Comments**User Group****Comment****Comment Date**

Environmental	<p>Treated water spill did not result in petroleum concentrations in soil exceeding Table 910-1 (max TPH 39 mg/kg). Following water recovery, no remediation required. Based on the information presented, it appears that no further 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 ground water is found to be impacted, then further investigation and/or remediation activities may be required. In addition, the non-working surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules plus all BLM requirements for Federal surface lands.</p> <p>Materials with pH, SAR, or EC concentrations exceeding Table 910-1 levels may be buried under a minimum of three (3) feet of backfill cover and soil that satisfies either the Table 910-1 levels for pH, SAR, and EC or the background levels for such contaminants within three (3) feet of the ground surface at the site. In addition, soil horizons must be replaced in their original relative position and reclaimed in accordance with 1000 Series Rules, including the establishment of vegetative cover on non-cropland and successful crop growth on cropland.</p>	02/27/2018
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Total: 1 comment(s)