

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401513807

Date Received:

01/31/2018

Spill report taken by:

Spencer, Stan

Spill/Release Point ID:

452929

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) 623-48975 |
| Contact Person: Michael Gardner | | Email: mgardner@terraep.com |

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401448554

Initial Report Date: 11/02/2017 Date of Discovery: 10/30/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SENW SEC 6 TWP 7S RNG 95W MERIDIAN 6

Latitude: 39.468760 Longitude: -108.041990

Municipality (if within municipal boundaries): County: GARFIELD

Reference Location:

Facility Type: WELL PAD Facility/Location ID No 334965
 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: Total release is estimated at 10 bbls of produced water

Land Use:

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

Weather Condition: High clouds, cold, breezy

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):

Pumper discovered that a produced water tank had overflowed over the weekend (October 28-29, 2017) which resulted in the release of an estimated 10 bbls of produced water inside an earthen secondary containment structure. The overflow was caused by an alarm failure which would have alerted operators to high fluid levels within the tank. The alarm failure is also attributed to a recent "network patch" which erased the alarm settings. Production personnel are reconfiguring the alarm settings to ensure that the alarm system is working properly. The fluids were contained within the secondary containment structure and were recovered using vac trucks. Initial field screenings indicate that the soils contain elevated levels of TPH and will require remediation. Maintenance personnel are excavating contaminated soils which will be temporarily land-farmed on site. Once completed, soil samples will be collected to confirm that COGCC cleanup standards have been met.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

| Date | Agency/Party | Contact | Phone | Response |
|------------|-------------------|---------|--------------|--|
| 10/31/2017 | Stan Spencer | COGCC | 970-263-2760 | Voice mail message and email notification. |
| 10/31/2017 | Kirby Wynn | GarCo | 970-623-4875 | Voice mail message and email notification. |
| 10/31/2017 | Chief David Blair | CVFPD | 970-285-9119 | Email notification |
| 10/31/2017 | Land Owner | | - | Notifications made by TEP Land Department |

SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 01/15/2018

| 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>10</u> | <u>6</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: 10 bbls total (6 recovered)

Was spill/release completely contained within berms or secondary containment? YES 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): 40 Width of Impact (feet): 20

Depth of Impact (feet BGS): 2 Depth of Impact (inches BGS): _____

How was extent determined?

Visual observations and confirmation sampling

Soil/Geology Description:

CL - Clay of low plasticity, lean clay

Depth to Groundwater (feet BGS) 50 Number Water Wells within 1/2 mile radius: 2

If less than 1 mile, distance in feet to nearest

| | | | | | |
|------------|-------------|--|-------------------|-------------|--|
| Water Well | <u>2300</u> | None <input type="checkbox"/> | Surface Water | <u>3100</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 | <u>3500</u> | None <input type="checkbox"/> |

Additional Spill Details Not Provided Above:

Impacted soils within the earthen bermed containment were excavated and stockpiled on-site to be treated & landfarmed or disposed. Impacted soils were turned via backhoe and on a bi-weekly schedule, depending on weather. Samples were collected on 1/18/18, where results confirmed that soils satisfy COGCC Table 910-1. Soils will be beneficially re-used on-site.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/15/2018

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)

Alarm failure allowed produced water to overflow the production tank. Vac truck was used to recover ~6 bbls of released liquids. Soils exceeding COGCC Table 910-1 were excavated and stockpiled on-site to be landfarmed or disposed.

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

Equipment replacement and inspections on older equipment

Volume of Soil Excavated (cubic yards): 50

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

OPERATOR COMMENTS:

Please forward onto Stan Spencer for review.
Release has been remediated and excavated soil confirmation samples indicate soils satisfy COGCC Table 901-1.

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: 01/31/2018 Email: mgardner@terraep.com

| COA Type | Description |
|----------|-------------|
| | |

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------------------------|
| 401513807 | SPILL/RELEASE REPORT(SUPPLEMENTAL) |
| 401513893 | ANALYTICAL RESULTS |
| 401513894 | SITE MAP |
| 401529940 | ANALYTICAL RESULTS |

Total Attach: 5 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| Environmental | 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. | 02/08/2018 |

Total: 1 comment(s)