

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

403230361

Date Received:

12/02/2022

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

482854

## 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: TAPROOT ROCKIES MIDSTREAM LLC	Operator No: 10718	<b>Phone Numbers</b>
Address: 555 17TH STREET SUITE 800		Phone: (701) 509-2063
City: DENVER State: CO Zip: 80202		Mobile: ( )
Contact Person: Dave Brazeal		Email: dbrazeal@taprootep.com

☐ 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# 403155830

Initial Report Date: 09/05/2022 Date of Discovery: 09/05/2022 Spill Type: Recent Spill

#### Spill/Release Point Location:

QTRQTR NWSW SEC 16 TWP 8N RNG 59W MERIDIAN 6

Latitude: 40.661199 Longitude: -103.989859

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: PRODUCED WATER TRANSFER SYSTEM

☒ Facility/Location ID No 467382

Spill/Release Point Name: Big Mountain Viper Pipeline

☐ 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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): &gt;=100

Estimated Other E&amp;P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

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

#### Land Use:

Current Land Use: OTHER

Other(Specify): Bison/Civitas N Loc ID 472549

Weather Condition: Mild

Surface Owner: OTHER (SPECIFY)

Other(Specify): Bison/Civitas N, and STATE

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

The Spill was discovered by a Civitas Operator around 12:00 AM on 9/5/22. The Operator notified Taproot. The pipeline segment was shutdown and isolated. A spill response and clean-up crew from Environmental Works, Inc. was dispatched and clean-up activities were ongoing beginning early morning on 9/5. Soil removal from surface impacts continued through 9/8 with hand digging in areas, as well as mechanical digging. The primary excavation required hydroexcavation to a depth of 9' below ground surface, and was ongoing through Friday 9/9. A short section of 4" Shawcor Flexpipe rated for 750 psig failed at only 375 psig. The failed piping was removed and replaced with stainless steel piping. Approximately 250' of the Shawcore was replaced with stainless steel pipe, and was pressure tested on 9/13. The failed section of pipe is being sent to a lab in Longmont to determine the cause of the failure. Additional soil removal was completed on 11/10 and 11/11 to address initial exceedances.

**List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):**

Data not required

## 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.
- Yes** 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? \_\_\_\_\_
- Yes** 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.): \_\_\_\_\_ 300 \_\_\_\_\_
- 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 daylights 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.
- ☐ Areas offsite of Oil & Gas Location ☐ 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: 11/15/2022		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	600	176	<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? 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): 38 Width of Impact (feet): 10

Depth of Impact (feet BGS): 10 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

Impact extents are listed above for the primary excavation. Area of surficial impacts are best noted on Figures 1A and 1B attached to this Form 19.

Extent was surveyed by a professional surveyor under the direction of Environmental Works shortly after the release and included any soil that was wet from produced water impacts. impacted extents to the primary excavation were determined by lab analysis of soil samples.

Soil/Geology Description:

Soil at the Site includes ~3" of imported road base or gravel on the surface of the active pad. Soil ranges from silty sand to fat clay within the upper 9' of soil, and transitions to a very dense silt below 9'. Observations made within the primary excavation

Depth to Groundwater (feet BGS) 70 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest

Water Well	<u>4370</u>	None <input type="checkbox"/>	Surface Water	<u>4650</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:

The nearest water well is approximately 4,300 feet away from the Site and has a static water level of 150 ft, permit number 16117. The nearest surface water is an ephemeral stream approximately 4,650' to the southeast. An estimated 600 barrels of produced water were spilled. 176 barrels were recovered with liquid vac immediately following the release, and the additional produced water was recovered in excavated and hydroexcavated soil

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 11/15/2022

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)

A short section of 4" Shawcor Flexpipe rated for 750 psig failed at only 375 psig.

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

The failed piping was removed and replaced with stainless steel piping. Approximately 250' of the Shawcore pipe was replaced with stainless steel pipe, was inspected and pressure tested on 9/13. The failed section of pipe was sent to a lab in Longmont to determine the cause of the failure. The cause was determined to be the result of some form of twisting the pipe. This may have occurred during the unspooling or swaging process. The congested nature of the pipe during construction may have affected this process, but that is only speculation. The contractor was trained and certified by Shawcor. Taproot will no longer install this brand of pipe on any future projects.

Volume of Soil Excavated (cubic yards): 300

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:

Taproot requests the use of RSSLs based on evidence for deep groundwater provided in the attachments. Taproot also requests the reduction in sample analysis to metals and reclamation parameters based on analytical results found in Table 1. Additional justification for the above requests found in the attached letter report from Taproot's environmental consultant, Environmental Works, Inc.

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

Signed: \_\_\_\_\_ Print Name: Dale Hunt

Title: VP of Engineering Date: 12/02/2022 Email: Dhunt@taprootep.com

**COA Type****Description**

0 COA	

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

403238164	SITE INVESTIGATION PLAN
403238166	SITE INVESTIGATION PLAN
403238167	SITE INVESTIGATION PLAN
403238169	OTHER
403238171	ANALYTICAL RESULTS
403238174	ANALYTICAL RESULTS
403238177	PHOTO DOCUMENTATION
403238179	OTHER
403247619	CORRESPONDENCE

Total Attach: 9 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)