

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

402800515

Date Received:

09/06/2021

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

480146

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>TAPROOT ROCKIES MIDSTREAM LLC</u>	Operator No: <u>10718</u>	Phone Numbers
Address: <u>555 17TH STREET SUITE 800</u>		Phone: <u>(701) 509-2063</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>(701) 509-2063</u>
Contact Person: <u>Dave Brazeal</u>		Email: <u>dbrazeal@taprootep.com</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# 402711705

Initial Report Date: 06/08/2021 Date of Discovery: 06/08/2021 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NWNW SEC 22 TWP 8N RNG 60W MERIDIAN 6

Latitude: 40.651673 Longitude: -104.085584

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: Hale Produced Water Lateral 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): >=5 and <100

Estimated Other E&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: NON-CROP LAND Other(Specify): _____

Weather Condition: Sunny, 85F, winds from SE 20-30mph

Surface Owner: OTHER (SPECIFY) Other(Specify): Taproot Rockies Midstream LLC

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

On 06/08/2021 at approximately 02:12:30 PM a 4" Thermofelx reinforced poly pipeline failed releasing produced water in the immediate area. The leak lasted for about 20 minutes with a system flow of about 1 bbl/min before the system was shut down and isolated. Just before the failure the pressure had gradually increased to about 624 psig, caused by a closed valve due to a power failure at the delivery site. This line section was rated for 710 psig and has been in service for about that 6 months. Hydrovac and excavation cleanup began within a couple of hours. The failed section of pipe will be recovered and analyzed for the cause of premature failure.

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

OTHER NOTIFICATIONS

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
6/9/2021	Weld County OEM/LEPC	OEM Spill Report Form	-	online submittal
6/8/2021	Landowner-Taproot Rockies Mids	Dave Brazeal	701-509-2063	the leak stayed on our own property
6/8/2021	Tenant	Chad Hale	303-877-3897	left a voicemail

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.): _____ 185 _____

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 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: <u>07/24/2021</u>		
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>20</u>	<u>20</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: _____			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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) <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>146</u>		Width of Impact (feet): <u>123</u>	
Depth of Impact (feet BGS): <u>0</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
Visual inspection of soil. The area above describes the overall extent, most of which was surface spray that was scraped to a shallow depth of 3-4 inches. The primary leak area excavated during cleanup was about 65 ft long and 17 ft wide, and was excavated to approximately 6 ft deep.			
Soil/Geology Description:			
flat grassland area with mostly sandy loam soil			
Depth to Groundwater (feet BGS) <u>105</u>		Number Water Wells within 1/2 mile radius: <u>1</u>	
If less than 1 mile, distance in feet to nearest		Water Well <u>1000</u> None <input type="checkbox"/>	Surface Water _____ None <input checked="" 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:			
A secondary spill in the same area occurred on 8/18 approximately 18' east of the original spill. The primary excavation covered the previous extents with an additional 15' east excavated. As discussed with COGCC regulators, Taproot is requesting closure of the initial release with the understanding that Spill/Release Point ID 480563 will take precedence and all analytical data will be submitted with the secondary spill report. Taproot is replacing this 1/2 mile of 4" Thermoflex pipe with 6" Flexsteel prior to placing the line back in service.			

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:

The investigation is still ongoing, but it appears that the Thermoflex pipe requires a specific soil type (CL-clays) and compaction specifications that Taproot and its installation contractor were not made aware of before or during installation. The Thermoflex pipe is subject to significant growth with increased pressure and temperature. Their design assumes the soil is strong enough to contain this growth to prevent buckling. Therefore, Taproot is replacing this 1/2 mile of 4" Thermoflex pipe with 6" Flexsteel prior to placing the line back in service.

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

Signed: _____ Print Name: Dale L Hunt
 Title: VP of Engineering Date: 09/06/2021 Email: dhunt@taprootep.com

Condition of Approval

COA Type

Description

1 COA	Refer to Spill 480563 for final soil confirmation sampling and root cause/corrective action information.
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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402800515	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402801628	SOIL SAMPLE LOCATION MAP
402801982	MAP
402801998	OTHER
402802006	ANALYTICAL RESULTS
402802012	ANALYTICAL RESULTS
402802037	PHOTO DOCUMENTATION
402802169	DISPOSAL MANIFEST
402802232	CORRESPONDENCE
402807805	FORM 19 SUBMITTED

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)