

State of Colorado Oil and Gas Conservation Commission

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Document Number:

402730633

Date Received:

06/25/2021

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 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>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>	Mobile: <u>(701) 509-2063</u>
Zip: <u>80202</u>		Email: <u>dbrazeal@taprootep.com</u>
Contact Person: <u>Dave Brazeal</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 6Latitude: 40.651673 Longitude: -104.085584Municipality (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 467382Spill/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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=5 and <100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated 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 20-30mphSurface 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

Date	Agency/Party	Contact	Phone	Response
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 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.
	<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: 06/24/2021		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	20	20	<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? <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 up to a shallow depth (3-4 inches). The primary leak area excavated during clean up was about 65 ft long x 17 ft wide, and was excavated to about 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:			

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 06/25/2021

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

Other (specify) _____

Type of Equipment at Point of Spill/Release: Other

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

Produced Water Transfer line

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

4" Thermoflex 750# pipe had buckled, creating a thinning of the pipe wall at the bend. When the pressure in the pipeline reached 624 psig the thin spot failed (below the 750# rating). Current speculation is that thermal and pressure expansion of the pipe sometime after start-up led to it buckling. It still held pressure until the line pressure increased to 624 psig (just below the system shutdowns of 650 psig), resulting from a downstream market shut in.

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

The pipe manufacturer is analyzing the failure at this time. Results and recommendations from that evaluation will be included in the final report and will determine future actions. For now, this size/brand combination of pipe will not be installed.

Volume of Soil Excavated (cubic yards): 335

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, 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:

1st Supplemental Spill Report

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: 06/25/2021 Email: dhunt@taprootep.com

Condition of Approval

COA Type

Description

0 COA	
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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402730633	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402730669	PHOTO DOCUMENTATION
402730670	SITE MAP
402732431	FORM 19 SUBMITTED

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Operator requested depth to water changed to 105 feet based on analysis of water well 14934 record; water may be present at shallower depth but no evidence to the contrary is readily available	06/29/2021
Environmental	Disance to nearest water well = 1000 feet north to DWR Receipt 9062086, permit 14934; confirmed with Operator and revised Form 19 number of water wells within 1/2 mile to "1" and distance to nearest water well to 1000 feet	06/28/2021

Total: 2 comment(s)