

State of Colorado Oil and Gas Conservation Commission

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Document Number:

403166553

Date Received:

09/14/2022

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: <u>TAPROOT ROCKIES MIDSTREAM LLC</u>	Operator No: <u>10718</u>	Phone Numbers
Address: <u>555 17TH STREET SUITE 800</u>		Phone: <u>()</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(701) 509-2063</u>
Zip: <u>80202</u>		Email: <u>brazear@taprootep.com</u>
Contact Person: <u>Dave Brazear</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# 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 6Latitude: 40.661199 Longitude: -103.989859Municipality (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: 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): 0Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=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: OTHEROther(Specify): Bison/Civitas N Loc ID 472549Weather Condition: MildSurface 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, was inspected and 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.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
9/14/2022			-	
9/5/2022			-	

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.): _____ 200
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: <input type="checkbox"/> The presence of free product or hydrocarbon sheen Surface Water <input type="checkbox"/> The presence of free product or hydrocarbon sheen on Groundwater <input type="checkbox"/> The presence of contaminated soil in contact with Groundwater <input type="checkbox"/> 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: 09/14/2022		
FLUIDS	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? <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>35</u>		Width of Impact (feet): <u>9</u>	
Depth of Impact (feet BGS): <u>9</u>		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.			
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 dense silt below 9'. Observations made within the primary excavation.			
Depth to Groundwater (feet BGS) <u>70</u>		Number Water Wells within 1/2 mile radius: <u>0</u>	
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: 09/14/2022

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 is being sent to a lab in Longmont to determine the cause of the failure.

Volume of Soil Excavated (cubic yards): 280

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:

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: 09/14/2022 Email: DHunt@Taprootep.com

<u>COA Type</u>	<u>Description</u>
	<p>The "Other Notifications" section of the subject form has been populated with dates; however, no additional information has been provided. Operator shall update the relevant section on the subsequent Form 19 Supplemental.</p> <p>In accordance with Rule 912.b.(7) Operator was required to provide 24hr notification to local government. Operator shall make appropriate notifications immediately if they have not done so and provide documentation of this on the next Supplemental Form 19.</p>
	Operator shall collect confirmation soil samples as described in the Rule 915.e.(2) Guidance Document. Operator will analyze soil samples for TPH (C6-C36), Table 915-1 Organic Compounds in Soil, Table 915-1 metals, and Table 915-1 Soil Suitability for Reclamation (Electrical conductivity, Sodium adsorption ratio, and pH by saturated paste method, boron (hot water soluble)).
	Pursuant to Rule 912.b.(6) Operator is required to submit a Form 19 Supplemental Report for the associated spill within 90 days of the spill date requesting closure pursuant to Rule 913.h and supported by adequate documentation to demonstrate that the Spill or Release has been fully cleaned up and complies with Table 915-1; or A Form 27 if any of the criteria listed in Rules 912.b.(6).B.i-iii apply. If Remediation will continue under an approved Form 27, the Operator will also submit a Form 19 – Supplemental which requests closure of the Spill or Release and includes the Remediation project number assigned by the Director. Closure of this spill is due by December 4th, 2022.
3 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403166553	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403166665	OTHER
403166666	SOIL SAMPLE LOCATION MAP
403166668	SOIL SAMPLE LOCATION MAP
403166683	PHOTO DOCUMENTATION
403166692	INITIAL MITIGATION
403166699	DISPOSAL MANIFEST
403198212	FORM 19 SUBMITTED

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	Please note that Approval of this Form 19 does not supersede any other applicable Federal, State or Local regulations.	10/14/2022

Total: 1 comment(s)