

State of Colorado Oil and Gas Conservation Commission

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Document Number:

403007204

Date Received:

07/25/2022

Spill report taken by:

Anderson, Laurel

Spill/Release Point ID:

481878

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>DCP OPERATING COMPANY LP</u>	Operator No: <u>4680</u>	Phone Numbers
Address: <u>6900 E LAYTON AVE SUITE 900</u>		Phone: <u>(970) 378-6373</u>
City: <u>DENVER</u>	State: <u>CO</u>	Mobile: <u>(970) 939-0329</u>
Zip: <u>80237</u>		Email: <u>cecole@dcpmidstream.com</u>
Contact Person: <u>Chandler Cole</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# 402987239

Initial Report Date: 03/16/2022 Date of Discovery: 03/16/2022 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NESE SEC 17 TWP 3N RNG 67W MERIDIAN 6Latitude: 40.223980 Longitude: -104.905007Municipality (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: GAS GATHERING PIPELINE SYSTEM☐ Facility/Location ID No _____Spill/Release Point Name: CR17 & CR34 Release☐ 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): >=1 and <5Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): 0Estimated 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: CROP LAND

Other(Specify): _____

Weather Condition: Sunny and coolSurface Owner: OTHER (SPECIFY)Other(Specify): Private

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

At 1030 hours on 03/16/2022, a condensate release occurred on a DCP gathering line in the dry ditch on the west side of County Road (CR) 17 near the intersection with CR 34. A Form 19 Initial (#402987239) and a 10-day Form 19-S (#402995303) were approved by COGCC and spill/release point ID #48178 was assigned to the release. Prior to the release, the line had been isolated and idle for approximately 3 years. A producer needed to flow their well to maintain a lease and worked with DCP to turn on the wells. About 30 minutes after the line was pressurized, an integrity breach was discovered in the line resulting in a spill that traveled approximately 367 ft down the dry ditch. Upon discovery, DCP immediately shut off the line and began the cleanup process on the same day. Multiple vacuum trucks were dispatched and recovered liquid condensate and shallow impacted soil. Soil delineation and excavation occurred from 3/21 to 3/28/2022, and details of that excavation are presented herein.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/16/2022	Landowner	Nick Sekich	970-381-6616	Landowner acknowledged release and granted DCP permission for cleanup efforts.
3/17/2022	Colorado Parks and Wildlife	Brandon Marette	303-291-7327	Notification given via email.
3/17/2022	Weld County OEM	Gracie Marquez	970-304-6540	DCP submitted initial spill report form online.

REPORT CRITERIA

Rule 912.b.(1) Report to the Director (select all criteria that apply):

- Yes 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: n/a Public Water System: n/a
- Residence or Occupied Structure: Threatened to Impact Livestock: Threatened to Impact
- Wildlife: Threatened to Impact Publicly-Maintained Road: Threatened to Impact
- 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.
- No 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.): 850

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
Yes	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: 04/07/2022		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE			<input checked="" type="checkbox"/>
PRODUCED WATER	0	0	<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 checked="" type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): <u>367</u>		Width of Impact (feet): <u>15</u>	
Depth of Impact (feet BGS): <u>12</u>		Depth of Impact (inches BGS): <u>144</u>	
How was extent determined?			
The release was entirely contained within the sidewalls of the dry ditch on the west side of CR 17, and impacts were delineated by field screening, visual observation, and lab confirmation samples at 12 feet below the base of the ditch in the source area and 2 to 10.5 feet below the base of the ditch downhill of the source area to the north and northwest. Based on the observed absence of groundwater and the approved 10-day Form 19-S (#402995303), soil was delineated to the COGCC Table 915-1 Residential standards for Table 915-1 VOCs, TPH, and select PAHs (1-methylnaphthalene, 2-methylnaphthalene, chrysene, and fluorene).			
Soil/Geology Description:			
Wiley-Colby complex, 1 to 3 percent slopes underlain by Cretaceous Fox Hills Formation sandstone and shale as determined by the 500k geology layer on the COGCC GIS online tool and corroborated by field observation.			
Depth to Groundwater (feet BGS) <u>0</u>		Number Water Wells within 1/2 mile radius: <u>12</u>	
If less than 1 mile, distance in feet to nearest	Water Well <u>1642</u>	None <input type="checkbox"/>	Surface Water <u>383</u> None <input type="checkbox"/>
	Wetlands <u>0</u>	None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
	Livestock <u>335</u>	None <input type="checkbox"/>	Occupied Building <u>1934</u> None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Initial excavation with field screening and soil confirmation sampling was completed from 3/21 to 3/28/2022. Approximately 850 cubic yards (CY) of impacted soil were excavated and transported offsite to the Waste Management Buffalo Ridge landfill in Keenesburg, Colorado, and waste manifests are provided in Appendix B pursuant to Rule 905.b.(3) and a COGCC condition of approval (COA) on Form 19-S #402995303. Sixty-three soil confirmation samples, including a source sample at the release and base/sidewall samples every 25 feet along the ditch, were collected, and results are presented on Tables 1 and 2. Laboratory reports are included as Appendix A.

The release was entirely contained within the sidewalls of the dry ditch on the west side of CR 17, and impacts were delineated by field screening and preliminary lab results. During test pitting and excavation, weathered sandstone and shale of the Cretaceous Fox Hills Formation (see COGCC online bedrock layer), was observed at approximately 4 to 5 feet below the base of the ditch, and competent shale and sandstone of the same formation was observed at 10 to 12 feet. Groundwater was not observed in the excavation or test pits during excavation and was determined to be absent at the Site. Based on the approved Form 10-day Form 19-S (#402995303), soil was delineated to the COGCC Table 915-1 Residential standards, and soil concentrations above the COGCC Table 915-1 protection of groundwater standards but below the residential standards were left in place only in the portion of the excavation south of the culvert (see Figure 3). Further delineation in that area presented increased risk due to the proximity to CR 17 and was backfilled immediately after excavation to mitigate health and safety risks. No impacts above the Table 915-1 protection of groundwater standards were left in place northwest of the culvert.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 04/07/2022

Root Cause of Spill/Release Corrosion

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)

At 1030 hours on 03/16/2022, a condensate release occurred on a DCP gathering line in the dry ditch on the west side of County Road (CR) 17 near the intersection with CR 34. Prior to the release, the line had been isolated and idle for approximately 3 years. A producer needed to flow their well to maintain a lease and worked with DCP Operations to turn on the wells. About 30 minutes after the line had been pressurized, an integrity breach was discovered in the line resulting in a spill that traveled approximately 367 ft down the dry ditch to the north and northwest. The damaged portion of the pipe was removed and replaced for service. During a follow up investigation, DCP determined the cause of the pipe failure was due to corrosion.

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

Prior to returning similarly isolated gathering pipelines to service, DCP will assess the isolated pipe for potential risk of corrosion and, if risk elements are identified, then DCP will introduce and monitor limited gas pressure on the line, gradually increasing over a period of time to confirm the line's ability to maintain operating pressure before fully resuming gathering service operation.

Volume of Soil Excavated (cubic yards): 850

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:

Vacuum trucks were immediately dispatched to the site within a few hours of discovering the release to remove liquid condensate and shallow impacted soil from the ground surface. An additional investigation to delineate the soil impacts with laboratory confirmation samples and excavate impacted soil for offsite disposal was completed between 3/21/2022 and 3/28/2022, and the details of that remediation effort are included in this report. Soil confirmation results are presented on Tables 1 and 2 and illustrated on Figure 3, laboratory reports are included as Appendix A, waste manifests are included as Appendix B, and a photo log of the backfilled ditch is included as Appendix C. Based on the results of the remediation presented herein, all requirements for closure of the site under this Form 19-S have been achieved, and this release no longer poses a threat to human health or the environment. The box for closure has been checked in this report, and with COGCC approval, no further action is recommended at this time.

A preliminary review by COGCC identified aspects of this report that required it to be returned to draft, and those issues have been rectified prior to this resubmittal. The scanned copies of the waste manifests in Appendix C have been replaced with electronic waste tickets which include soil quantities in each load. Additionally, the section describing steps taken to prevent the problem(s) from reoccurring in the Corrective Action Report has been updated in accordance with COGCC 1100-series requirements.

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

Signed: _____ Print Name: Chandler Cole

Title: Compliance Coordinator Date: 07/25/2022 Email: COGCCnotification@dcpmidstream.com

COA Type

Description

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Attachment List

Att Doc Num

Name

403029567	ANALYTICAL RESULTS
403110144	DISPOSAL MANIFEST

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Agency	<p>Returned to draft at request of operator to address the following concerns identified 6/29/22 in cursory review:</p> <ol style="list-style-type: none"> 1. This is a request to close the spill with soil remaining in place above the groundwater SSLs, but below the residential soil SSL. While allowable by rule, this does require extra review and processing time for COGCC. We need to first confirm that the pathway to groundwater is not there; it appears you have built a case for that, but it needs to be fully evaluated. Second, we need to ensure that the horizontal and vertical extent of impacts are fully delineated; from the tables and map, it is difficult to discern whether in the cases where soil samples exceed the groundwater SSL, there is full delineation beyond. 2. The waste manifests, which were attached in response to a COA on an earlier Form 19 Supplemental, were illegible. They need to be rescanned or additional documentation needs to be provided to document the quantities of soil hauled in each load, at a minimum. 3. On the corrective actions page, you've included a narrative supposedly to "describe the measures taken to prevent the problem(s) from reoccurring." However, the narrative does not satisfy the requirements. The measures taken should be related to the root cause, and in this case, I would expect to see details about your corrosion protection system, integrity management for out of service pipelines, and your return to service practices. While COGCC's 1100-Series may not be directly applicable to the pipelines DCP operates, there are numerous examples of integrity management practices within those rules that should be used in normal operator practices to prevent this type of spill from happening. <p>Form and data has not undergone detailed technical review.</p>	06/30/2022

Total: 1 comment(s)