

State of Colorado

Energy & Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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Document Number:

403824515

Date Received:

06/13/2024

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

486581

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to ECMC 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: PDC ENERGY INC	Operator No: 69175	Phone Numbers
Address: 1099 18TH STREET SUITE 1500		Phone: (970) 313-5582
City: DENVER	State: CO	Zip: 80202
Contact Person: Jason Davidson		Mobile: ()
		Email: jason.davidson@chevron.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# 403774571

Initial Report Date: 04/30/2024 Date of Discovery: 04/29/2024 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NESE SEC 30 TWP 6N RNG 67W MERIDIAN 6

Latitude: 40.454979 Longitude: -104.927412

Municipality (if within municipal boundaries): Windsor County: WELD

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

☐ Check this box if this spill/release is related to a loss of integrity of a flowline, pipeline, crude oil transfer line, or produced water transfer line.

Reference Location:

Facility Type: TANK BATTERY

☒ Facility/Location ID No 451100

Spill/Release Point Name: Raindance FD Off-Site #20-202HXX

☐ 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): >=5 and <100

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): 0

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: 60s and sunny

Surface Owner: FEE Other(Specify):

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

A reportable release was discovered at the Raindance FD Off-Site #20-202HNX Facility on 4/29/2024. An equipment failure led to a 36 -bbl oil fluid release. Fluid was contained on-site and with-in the steel walled secondary containment structure with attached synthetic liner. No bedding material was present within containment. Clean-up operations via hydro-vac are completed.

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

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
4/29/2024	Noble Land	Landowner	--	
4/29/2024	Weld County	David Burns	--	
4/29/2024	Weld County	Jason Maxey	--	
4/29/2024	ECMC	Rick Allison	--	

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:

No

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?

No

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.):

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 daylight's 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: 06/13/2024		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	36	36	<input type="checkbox"/>
CONDENSATE	0	0	<input 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? 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) <input 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): _____		Width of Impact (feet): _____	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
All fluid released was contained within the walled, secondary containment structure, lined with a synthetic liner. Containment measures 88' in length by 54' in width. There is no visual evidence to suggest that the synthetic liner is compromised. Fluid removal via hydro vac began immediately upon discovery and was pumped back into tanks on site to be sold. Upon full recovery of fluids, the liner was thoroughly inspected and determined to be completely intact.			
Soil/Geology Description:			
Well graded sands to clayey sands.			
Depth to Groundwater (feet BGS) 16		Number Water Wells within 1/2 mile radius: 4	
If less than 1 mile, distance in feet to nearest	Water Well 1709	None <input type="checkbox"/>	Surface Water 3126
	Wetlands 3754	None <input type="checkbox"/>	Springs <input checked="" type="checkbox"/>
	Livestock	None <input checked="" type="checkbox"/>	Occupied Building 774
Additional Spill Details Not Provided Above:			

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Bedding material was never added to the containment structure and the liner was determined to be fully intact; therefore, soil was not impacted and no soil samples were collected.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 06/13/2024

Root Cause of Spill/Release Equipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

Strainer on LACT line.

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

The strainer on the LACT line split at the flange due to a combination of manufacture defect and thermal expansion.

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

The equipment was compromised at the time of installation and prematurely split after exposure to a normal amount of every day wear and tear and heat expansion and contraction. There is no way to prevent a manufacture defect and there was no way to inspect this equipment prior to installation and use. However, in order to prevent this problem from reoccurring, PDC installed a pressure relief valve on the replacement equipment that will relieve stress on the LACT line caused by thermal expansion. PDC will conduct regular inspections of the alignment of the pressure relief valve to ensure that it does not become isolated.

Volume of Soil Excavated (cubic yards): 0

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:

PDC respectfully requests closure of Spill/Release Point ID: 486581.

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

Signed: _____ Print Name: Michelle Bartoszek

Title: HSE Advisor Date: 06/13/2024 Email: michelle.bartoszek@chevron.com

COA Type**Description**

	Based on the information presented, it appears the Spill was fully contained within a liner lined secondary containment, liner integrity has been verified, and therefore there was no contact with soil. No further action is necessary at this time and the ECMC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding ECMC standards or if groundwater is found to be impacted, then further investigation and/or remediation activities may be required.
1 COA	

ATTACHMENT LIST**Att Doc Num****Name**

403824515	FORM 19 SUBMITTED
403824627	PHOTO DOCUMENTATION

Total Attach: 2 Files

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

		Stamp Upon Approval
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Total: 0 comment(s)