

## State of Colorado

## Energy &amp; Carbon Management Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

403848619

Date Received:

07/09/2024

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

486346

## 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: frspillremediationcontractor@pdce.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# 403728986

|                                 |                               |                          |
|---------------------------------|-------------------------------|--------------------------|
| Initial Report Date: 03/22/2024 | Date of Discovery: 03/22/2024 | Spill Type: Recent Spill |
|---------------------------------|-------------------------------|--------------------------|

## Spill/Release Point Location:

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

Latitude: 40.455451 Longitude: -104.927633

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): &gt;=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&amp;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):

An equipment failure led to a 170-bbl oil/water fluid mix release. Fluid was contained on-site with-in the steel walled containment area. Upon discovery the facility was shut in and clean-up operations were started.

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

OTHER NOTIFICATIONS

| Date      | Agency/Party | Contact      | Phone | Response |
|-----------|--------------|--------------|-------|----------|
| 3/22/2024 | PDC          | Landowner    | --    |          |
| 3/22/2024 | Weld County  | David Burns  | --    |          |
| 3/22/2024 | Weld County  | Jason Maxey  | --    |          |
| 3/22/2024 | 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:<br><br><input type="checkbox"/> The presence of free product or hydrocarbon sheen Surface Water<br><input type="checkbox"/> The presence of free product or hydrocarbon sheen on Groundwater<br><input type="checkbox"/> The presence of contaminated soil in contact with Groundwater<br><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.<br><br><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: 07/09/2024 |  |                          |
| FLUIDS   | BBL's SPILLED                        | BBL's RECOVERED                              | Unknown                  |
| OIL  | 170                                  | 98   | <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, <b>including walls &amp; floor regardless of construction material</b> , 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 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): 130  |                                      | Width of Impact (feet): 325                  |                          |
| Depth of Impact (feet BGS): 3  |                                      | Depth of Impact (inches BGS): _____          |                          |
| How was extent determined?   |                                      |  |                          |
| The vertical and horizontal extent of contamination was initially determined via in field screening techniques using a photoionization device (PID) to measure volatile organic compounds as well as visual and olfactory observations. Excavation and soil sampling activities were conducted along with confirmation sampling. Soil samples were submitted to Summit Scientific Inc. in Golden, Colorado and Origins Laboratory in Denver, Colorado and analyzed for ECMC Table 915-1 constituents to ensure the removal of all impacted material. |                                      |  |                          |
| Soil/Geology Description:  |                                      |  |                          |
| GW to CL   |                                      |  |                          |
| Depth to Groundwater (feet BGS) 16   |                                      | Number Water Wells within 1/2 mile radius: 5 |                          |
| If less than 1 mile, distance in feet to nearest   | Water Well 1501                      | None <input type="checkbox"/>                | Surface Water 2975       |
|  | Wetlands 3780                        | None <input type="checkbox"/>                | Springs _____            |
|  | Livestock _____                      | None <input checked="" type="checkbox"/>     | Occupied Building 1295   |
| Additional Spill Details Not Provided Above:   |                                      |  |                          |

EC and pH are the only remaining constituents that need to be delineated. A form 27 Initial, document number 403826338, shall be submitted addressing these exceedances via a Reclamation Plan.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 07/09/2024

Root Cause of Spill/Release Corrosion

Other (specify)

Type of Equipment at Point of Spill/Release: Horizontal Heater Treater

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

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

Microbial induced corrosion created two holes in the fire tube which led to the release that occurred on 3/22/2024.

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

The corroded fire tube was replaced immediately upon the discovery of the release and all other infrastructure at the facility was inspected for corrosion. Moving forward, a more robust chemical corrosion inhibitor solution has been added to infrastructure at this facility. Samples of the chemical will be collected and analyzed on a regular basis to determine the effectiveness of the chemical. Based on the results of the samples the chemical corrosion inhibitor solution can be adjusted to meet the needs of the specific infrastructure that it is in contact with in order to prevent this issue from reoccurring.

Volume of Soil Excavated (cubic yards): 832

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: 36122

☐ SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

## OPERATOR COMMENTS:

PDC is requesting transfer of Spill/Release Point ID: 486346 to Remediation Project #: 36122.

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: 07/09/2024 Email: michelle.bartoszek@chevron.com

| <u>COA Type</u> | <u>Description</u> |
|-----------------|--------------------|
|                 |                    |
| 0 COA           |                    |

**ATTACHMENT LIST**

| <u>Att Doc Num</u> | <u>Name</u>                        |
|--------------------|------------------------------------|
| 403848619          | SPILL/RELEASE REPORT(SUPPLEMENTAL) |
| 403853333          | FORM 19 SUBMITTED                  |

Total Attach: 2 Files

**General Comments**

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

Total: 0 comment(s)