

State of Colorado  
Energy & Carbon Management Commission

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Document Number:

403669007

Date Received:

01/29/2024

Spill report taken by:

Robinson, Taylor

Spill/Release Point ID:

486157

**SPILL/RELEASE REPORT (INITIAL /w 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>PDC ENERGY INC</u>	Operator No: <u>69175</u>	<b>Phone Numbers</b>
Address: <u>1099 18TH STREET SUITE 1500</u>		Phone: <u>(303) 860-5800</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>( )</u>
Contact Person: <u>Karen Olson</u>		Email: <u>taspillremediationcontractor@pdce.com</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# 403669007

Initial Report Date: 01/29/2024 Date of Discovery: 01/29/2024 Spill Type: Historical Release

**Spill/Release Point Location:**

QTRQTR NESE SEC 32 TWP 5N RNG 65W MERIDIAN 6

Latitude: 40.352620 Longitude: -104.680386

Municipality (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.

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: WELL

Facility/Location ID No \_\_\_\_\_

Spill/Release Point Name: Strohauer F 33-32D Wellhead

Well API No. (Only if the reference facility is well) 05-123-30880

No Existing Facility or Location ID No.

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): Unknown

Estimated Condensate Spill Volume(bbl): Unknown

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): Unknown

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: CROP LAND \_\_\_\_\_

Other(Specify): \_\_\_\_\_

Weather Condition: 40s 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 historic release was observed at the former Strohauser F 33-32D Wellhead along the flowline following decommissioning activities and the receipt of analytical results. Release clean-up operations are underway.

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

**OTHER NOTIFICATIONS**

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
1/29/2024	Surface Owner	NA	-	
1/29/2024	Weld Co	NA	-	
1/29/2024	ECMC	Taylor Robinson	-	

**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.

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? \_\_\_\_\_

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:

- 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

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: <u>01/29/2024</u>		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	_____	_____	<input checked="" type="checkbox"/>
PRODUCED WATER	_____	_____	<input checked="" type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<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 &amp; floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>			
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): _____		Width of Impact (feet): _____	
Depth of Impact (feet BGS): <u>4</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>On January 29, 2024, a historic release was discovered following receipt of final analytical results from soil samples collected during decommissioning activities at the Storahuer F 33-32D Wellhead. On January 9th, 2024, 7 soil samples (WH01, FLR01, FL01-02, FL01-04, FL01-05, FL01-06 &amp; FLR02) were collected at the wellhead and beneath the flowline at depths ranging between ground surface and approximately 6 ft bgs. All samples were submitted for laboratory analysis of the ECMC Table 915-1 organic compounds in soil, TPH (C6-C36), pH, EC, SAR, boron PAHS, and Metals. Analytical results indicated that organic compounds were in exceedance of the Table 915-1 POG SSLs in soil sample FL01-02. Additionally, 6 background soil samples (BKG01-BKG02) were collected from the native material up-gradient of the wellhead at approximately 4 ft, 5 ft, and 6 ft bgs and submitted for laboratory analysis of pH and metals. Pending receipt of the remaining Table 915-1 laboratory results, PDC will be submitting an analyte reduction request for the director approval based on the constituents identified in the samples collected from the source material. Excavation and confirmation soil sampling activities are currently ongoing, final analytical results and field activities will be summarized in a forthcoming Supplemental Form 27. Final soil analytical results are summarized in Tables 1-4. GPS coordinates and PID readings for the soil sample collected during decommissioning activities are summarized in Table 5. Site topography is illustrated in Figure 1. Field screening and laboratory sample locations are illustrated on Figures 2-3. The laboratory reports are included as Attachment A and the decommissioning field notes and photo log are included in Attachment B.</p>			
Soil/Geology Description:			
Vona sandy loam, Altvan loam			
Depth to Groundwater (feet BGS) <u>12</u>		Number Water Wells within 1/2 mile radius: <u>15</u>	
If less than 1 mile, distance in feet to nearest	Water Well <u>1447</u> None <input type="checkbox"/>	Surface Water <u>210</u> None <input type="checkbox"/>	
	Wetlands <u>1300</u> None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>	
	Livestock <u>950</u> None <input type="checkbox"/>	Occupied Building <u>890</u> None <input type="checkbox"/>	
Additional Spill Details Not Provided Above:			

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/29/2024

Root Cause of Spill/Release Unknown (Historical)

Other (specify) \_\_\_\_\_

Type of Equipment at Point of Spill/Release: Wellhead Line

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

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

On January 29, 2024, a historic release was discovered during decommissioning activities at the Strohauer F 33-32D Wellhead along the flowline when organic compound concentrations in soil were observed in exceedance of the applicable Table 915-1 standards. Due to the historic nature of the release, a root cause was not identified.

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

The flowline and associated infrastructure were removed and will not be replaced.

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: 32333

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

## OPERATOR COMMENTS:

Based on the request from the ECMC, a Supplemental Form 27 has been prepared and submitted under Document No. 403668911 outlining the proposed remediation strategy and path forward.

Excavation activities are not scheduled at this time. Following land owner approval, source mass removal activities via mechanical excavation will be initiated to remove remaining hydrocarbon impacted material. Field activities and final analytical results will be summarized in a forthcoming Supplemental Form 27.

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

Signed: \_\_\_\_\_ Print Name: Kilian Collins

Title: Environmental Specialist Date: 01/29/2024 Email: taspillremediationcontractor@pdce.com

<b>COA Type</b>	<b>Description</b>
	Quarterly reporting is required under Remediation Project #32333. Operator shall include the Spill ID associated with this form on the subsequent Supplemental Form 27 and select Rule 913.c.(3): Remediation of Spill and Releases pursuant to Rule 912 in addition to the previous Rule selection.
1 COA	

### **Attachment List**

<b>Att Doc Num</b>	<b>Name</b>
403669007	FORM 19 SUBMITTED
403669530	TOPOGRAPHIC MAP
403669577	SOIL SAMPLE LOCATION MAP
403669599	SOIL SAMPLE LOCATION MAP
403669647	PHOTO DOCUMENTATION
403669698	ANALYTICAL RESULTS

Total Attach: 6 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
		Stamp Upon Approval

Total: 0 comment(s)