

## State of Colorado

## Energy &amp; Carbon Management Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203

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



Document Number:

403645864

Date Received:

01/08/2024

Spill report taken by:

Robinson, Taylor

Spill/Release Point ID:

485885

**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>PDC ENERGY INC</u>	Operator No: <u>69175</u>	<b>Phone Numbers</b>
Address: <u>1099 18TH STREET SUITE 1500</u>		Phone: <u>(970) 313-5582</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>		Mobile: <u>( )</u>
Contact Person: <u>Jason Davidson</u>		Email: <u>taspillremediationcontr</u> <u>actor@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# 403641037Initial Report Date: 01/01/2024 Date of Discovery: 12/29/2023 Spill Type: Historical Release**Spill/Release Point Location:**QTRQTR NESE SEC 27 TWP 5N RNG 67W MERIDIAN 6Latitude: 40.366002 Longitude: -104.870828Municipality (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: WELL☐ Facility/Location ID No \_\_\_\_\_Spill/Release Point Name: Smith Reeves 27-1  
Wellhead/Flowline☒ Well API No. (Only if the reference facility is well) 05-123-11231☐ No Existing Facility or Location ID No.

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

Estimated Oil Spill Volume(bbl): UnknownEstimated Condensate Spill Volume(bbl): UnknownEstimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): UnknownEstimated 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: 30s and overcastSurface 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 along the flowline during decommissioning activities. Release clean-up and delineation operations are underway.

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

### OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
12/30/2023	CPW	NA	-	
12/30/2023	Surface Owner	NA	-	
12/30/2023	Weld CO	NA	-	
12/30/2023	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:
	<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 daylightis 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: 01/08/2024		
<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	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, <b>including walls &amp; floor regardless of construction material</b>, 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): <u>270</u>		Width of Impact (feet): <u>14</u>	
Depth of Impact (feet BGS): <u>4</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
On December 29, 2023, a historic release was discovered following receipt of analytical results from soil samples collected during decommissioning activities at the Smith Reeves 27-1 Wellhead. On December 1, 2023, six (6) soil samples (WH01, FLR01, FL01-03, FL01-05, FL01-06, & FLR02) were collected at the wellhead and below the flowline at depths ranging between approximately 4 feet to 6 feet below ground surface (bgs). The samples were submitted for laboratory analysis of the full Table 915-1 analytical suite. Analytical results indicated that organic compounds and pH were in exceedance of the Table 915-1 Protection of Groundwater (POG) Soil Screening Levels (SSLs) in soil samples FL01-05, FL01-06, and FLR02. Two background soil samples (BKG01) were collected from native material up-gradient of the wellhead at approximately 4 feet and 6 feet bgs and submitted for laboratory analysis of the Table 915-1 metals and pH. 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.			
Soil/Geology Description:			
Weld Loam, 1 to 3 percent slopes			
Depth to Groundwater (feet BGS) <u>6</u>		Number Water Wells within 1/2 mile radius: <u>1</u>	

If less than 1 mile, distance in feet to nearest	Water Well	1982	None	<input type="checkbox"/>	Surface Water	25	None	<input type="checkbox"/>
	Wetlands	25	None	<input type="checkbox"/>	Springs		None	<input checked="" type="checkbox"/>
	Livestock	785	None	<input type="checkbox"/>	Occupied Building	141	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

Preliminary 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. A topographic map is attached as Figure 1. The soil sample locations are illustrated on Figures 2-3. The preliminary laboratory analytical report is included in Attachment A and the decommissioning field notes and photo logs are included in Attachment B.

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/08/2024

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 December 29, 2023, a historic release was discovered during decommissioning activities at the Smith Reeves 27-1 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: 31414

☐ 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. 403646338 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: 01/08/2024 Email: taspillremediationcontractor@pdce.com

**COA Type**

**Description**

	Quarterly reporting is required under Remediation Project # 31414. 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**

**Att Doc Num**

**Name**

403645864	SPILL/RELEASE REPORT(SUPPLEMENTAL)
403647266	ANALYTICAL RESULTS
403647267	PHOTO DOCUMENTATION
403647268	TOPOGRAPHIC MAP
403647269	SOIL SAMPLE LOCATION MAP
403647270	SOIL SAMPLE LOCATION MAP
403661187	FORM 19 SUBMITTED

Total Attach: 7 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)