

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

402626261

Date Received:

03/14/2021

Spill report taken by:

Graber, Candice  
(Nikki)

Spill/Release Point ID:

479538

## 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 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

### OPERATOR INFORMATION

Name of Operator: <u>PDC ENERGY INC</u>	Operator No: <u>69175</u>	<b>Phone Numbers</b>
Address: <u>1775 SHERMAN STREET - STE 3000</u>		Phone: <u>(303) 597-6847</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80203</u>
Contact Person: <u>Phillip Porter</u>		Mobile: <u>( )</u>
		Email: <u>COGCCSpillRemediation@pdce.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402616851

Initial Report Date: 03/03/2021 Date of Discovery: 03/03/2021 Spill Type: Historical Release

#### Spill/Release Point Location:

QTRQTR NENE SEC 21 TWP 5N RNG 66W MERIDIAN 6

Latitude: 40.390102 Longitude: -104.777277

Municipality (if within municipal boundaries): \_\_\_\_\_ County: WELD

#### Reference Location:

Facility Type: WELL ☐ Facility/Location ID No \_\_\_\_\_  
 Spill/Release Point Name: Lesser PM J 21-1 ☒ Well API No. (Only if the reference facility is well) 05-123-14053  
☐ No Existing Facility or Location ID No.

#### Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? No  
*Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

Were Five (5) barrels or more spilled? No

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

Estimated Oil Spill Volume(bbl): <u>Unknown</u>	Estimated Condensate Spill Volume(bbl): <u>0</u>
Estimated Flow Back Fluid Spill Volume(bbl): <u>0</u>	Estimated Produced Water Spill Volume(bbl): <u>0</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>

Specify: \_\_\_\_\_

#### Land Use:

Current Land Use: CROP LAND Other(Specify): \_\_\_\_\_  
 Weather Condition: Sunny  
 Surface Owner: FEE Other(Specify): \_\_\_\_\_

#### Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☐ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐  
 As defined in COGCC 100-Series Rules

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

Historic Release was discovered near the wellhead during wellhead & flowline abandonment activities. Release clean-up and delineation activities are underway.

List Agencies and Other Parties Notified:

### OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/3/2021	COGCC	Nikki Graber	-	
3/3/2021	Surface Owner	Private	-	
3/3/2021	Weld Co	NA	-	

Was there a Grade 1 Gas Leak? Yes ☐ No ☒

If YES, 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? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: \_\_\_\_\_

Was there damage during excavation? Yes ☐ No ☒

If YES, was CO 811 notified prior to excavation? Yes ☐ No ☐

### SPILL/RELEASE DETAIL REPORTS

#1 Supplemental Report Date: 03/11/2021

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" 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? NO 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) ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 26 Width of Impact (feet): 20

Depth of Impact (feet BGS): 9 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On March 3, 2021, an historic release was discovered adjacent to the wellhead during decommissioning activities at the Lesser PMJ 21-1 Wellhead. Following the discovery, one soil sample (WH01) was collected from the base of the excavation within the impacted material at 6 feet below ground surface (bgs) and submitted for the full COGCC Table 915-1 suite excluding "Soil Suitability for Reclamation" inorganics. On March 3, 2021, excavation activities were conducted to remove hydrocarbon impacted material and approximately 50 cubic yards of impacted material were removed and transported to the North Weld Waste Management Facility in Ault, Colorado for disposal. Soil samples (SS01 – SS06) were collected from the final excavation extent at depths ranging from 2.5 feet to 9 feet bgs. Samples SS01 through SS05 were submitted for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, and total petroleum hydrocarbons (C6-C36). Sample SS06 was submitted for analysis of "Soil Suitability for Reclamation" inorganics. Initial analytical results indicated that organic compound concentrations were below the applicable regulatory standards in the samples collected from the final excavation extent. Organic constituents are summarized in Table 1. GPS coordinates and volatile organic compound (VOC) concentrations for the soil samples collected during excavation activities are summarized in Table 2. Pending receipt of additional Table 915 laboratory results, additional source mass removal activities may be required. Excavation and confirmation sampling activities and final analytical results will be summarized in a forthcoming Supplemental Form 27. A topographic map is attached as Figure 1. The final excavation extent and sample locations are illustrated on Figure 2. Field notes and photo logs from the initial sampling event and excavation oversight are included for reference. The draft laboratory reports are included in Attachment A.

Soil/Geology Description:

Olney fine sandy loam, 1 to 3 percent slopes

Depth to Groundwater (feet BGS) 6

Number Water Wells within 1/2 mile radius: 4

If less than 1 mile, distance in feet to nearest	Water Well	<u>1489</u>	None <input type="checkbox"/>	Surface Water	<u>651</u>	None <input type="checkbox"/>
	Wetlands	<u>651</u>	None <input type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock	<u>280</u>	None <input type="checkbox"/>	Occupied Building	<u>151</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

## CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/11/2021

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)

During decommissioning activities, historic impacts were discovered at the wellhead. Due to the historic nature of the release, a root cause could not be identified.

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

The wellhead was plugged and abandoned and the associated flowline was removed and will not be replaced.

Volume of Soil Excavated (cubic yards): 50

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)

☒ Work proceeding under an approved Form 27

Form 27 Remediation Project No: 16398

### OPERATOR COMMENTS:

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

Signed: \_\_\_\_\_ Print Name: Phillip Porter

Title: Sr. Env. Rep. Date: 03/14/2021 Email: COGCCSpillRemediation@pdce.com

### COA Type

### Description

	SAR, EC, and pH are indicators of a produced water impacts, not just soil suitability for reclamation. Vertical and lateral extents of impacts must be defined including SAR, EC, pH.
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### Attachment List

#### Att Doc Num

#### Name

402626261	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402626321	TOPOGRAPHIC MAP
402626323	OTHER
402626337	SITE MAP
402626574	ANALYTICAL RESULTS
402629274	FORM 19 SUBMITTED

Total Attach: 6 Files

### General Comments

#### User Group

#### Comment

#### Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)