

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

402742799

Date Received:

07/09/2021

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

480256

**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: PDC ENERGY INC	Operator No: 69175	<b>Phone Numbers</b>
Address: 1775 SHERMAN STREET - STE 3000		Phone: (303) 597-6847
City: DENVER State: CO Zip: 80203		Mobile: ( )
Contact Person: Phillip Porter		Email: COGCCSpillRemediation@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# 402737636

Initial Report Date: 07/03/2021 Date of Discovery: 07/01/2021 Spill Type: Historical Release

**Spill/Release Point Location:**

QTRQTR nwnw SEC 35 TWP 7n RNG 65w MERIDIAN 6

Latitude: 40.537542 Longitude: -104.627123

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.

**Reference Location:**

Facility Type: WELL  Facility/Location ID No \_\_\_\_\_  
 Spill/Release Point Name: Booth 10-26  Well API No. (Only if the reference facility is well) 05-123-34537  
 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):	0
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: 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):

Historic release was observed during wellhead investigation activities. Release clean-up and delineation activities are underway.

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

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
7/1/2021	Surface Owner	Private	-	
7/2/2021	COGCC	Nikki Graber	-	
7/2/2021	WeldCo	NA	-	

**REPORT CRITERIA**

**Rule 912.b.(1) Report to the Director (select all criteria that apply):**

Yes 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: Threatened to Impact \_\_\_\_\_ Public Water System: n/a \_\_\_\_\_

Residence or Occupied Structure: n/a \_\_\_\_\_ Livestock: n/a \_\_\_\_\_

Wildlife: n/a \_\_\_\_\_ Publicly-Maintained Road: n/a \_\_\_\_\_

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.): \_\_\_\_\_

Yes 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

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 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>07/09/2021</u>		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	_____	_____	<input checked="" type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input 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 checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): <u>19</u>		Width of Impact (feet): <u>14</u>	
Depth of Impact (feet BGS): <u>6</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>On July 1, 2021, historic hydrocarbon impacts were discovered during decommissioning activities at the Booth 10-26 wellhead and the associated flowline. Following the discovery, excavation activities were initiated, and one soil sample (WH01) was collected from the source mass material and submitted for laboratory analysis of the full COGCC Table 915-1 analytical suite. Approximately 9.5 cubic yards of impacted material were removed and transported to the North Weld Landfill for disposal under PDC waste manifests. During excavation activities, groundwater was encountered at approximately 6 feet below ground surface (bgs). On July 1, 2021, 9 confirmation soil samples (SS01 – SS09) were collected from the base and sidewalls of the excavation at depths of 4 feet and 6.5 feet bgs. All samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, 1,2,4-trimethylbenzene (TMB), 1,3,5-TMB, and TPH (C6-C36). Preliminary analytical results indicated that organic constituent concentrations were below the applicable regulatory standards in the soil samples collected from the final excavation extent. In addition, one soil sample (FLR01) was collected adjacent to the flowline at 2.5 feet bgs and submitted for analysis of Table 915-1 soil suitability constituents.</p>			
Soil/Geology Description:			
Otero sandy loam, 3 to 5 percent slopes			
Depth to Groundwater (feet BGS) <u>6</u>		Number Water Wells within 1/2 mile radius: <u>4</u>	
If less than 1 mile, distance in feet to nearest	Water Well <u>2271</u>	None <input type="checkbox"/>	Surface Water <u>220</u>
	Wetlands <u>1580</u>	None <input type="checkbox"/>	Springs _____
	Livestock <u>2383</u>	None <input type="checkbox"/>	Occupied Building <u>770</u>
Additional Spill Details Not Provided Above:			

Preliminary soil analytical results are summarized in Table 1. GPS coordinates and PID readings for the soil samples collected during excavation activities are summarized in Table 3. On July 1, 2021, following source mass removal activities, one groundwater sample (GW01) was collected from the excavation and submitted for analysis of BTEX, naphthalene, 1,2,4-TMB, and 1,3,5-TMB. Analytical results indicated that the benzene concentration was in exceedance of the applicable Table 915-1 standard in sample GW01. Groundwater analytical results are summarized in Table 2. Pending receipt of the remaining Table 915-1 laboratory results for source sample WH01, 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 current excavation extent and sample locations are illustrated on Figure 2. Draft laboratory reports are included in Attachment A and the excavation and wellhead decommissioning field notes and photo logs are included in Attachment B.

### CORRECTIVE ACTIONS

#1	Supplemental Report Date:	07/09/2021
Root Cause of Spill/Release <u>Unknown (Historical)</u>		
Other (specify) _____		
Type of Equipment at Point of Spill/Release: <u>Wellhead Line</u>		
If "Other" selected above, specify or describe here:		
Describe Incident & Root Cause (include specific equipment and point of failure)		
On July 1, 2021, a historic release was discovered adjacent to the former wellhead during wellhead decommissioning activities. 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 wellhead and associated flowline will be removed and not be replaced.		
Volume of Soil Excavated (cubic yards): <u>9</u>		
Disposition of Excavated Soil (attach documentation) <input checked="" type="checkbox"/> Offsite Disposal <input type="checkbox"/> Onsite Treatment		
<input type="checkbox"/> Other (specify) _____		
Volume of Impacted Ground Water Removed (bbls): <u>0</u>		
Volume of Impacted Surface Water Removed (bbls): _____		

### 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: 18262
  - SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

#### 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: Snr. Env. Rep. Date: 07/09/2021 Email: COGCCSpillRemediation@pdce.com

### **Condition of Approval**

<b>COA Type</b>	<b>Description</b>
1 COA	Pursuant to Rule 915.e.(2)C. If Operator believes it is appropriate to modify or reduce the list of Table 915-1 Contaminants of Concern, Operator will propose a modified list of contaminants of concern for Director approval on a Form 27 Supplemental for Remediation Project #18262. Operator may analyze soil confirmation samples for all contaminants of concern in Table 915-1 in lieu of submitting a modified list for Director approval.

### **Attachment List**

<b>Att Doc Num</b>	<b>Name</b>
402742799	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402742801	ANALYTICAL RESULTS
402742802	PHOTO DOCUMENTATION
402742803	SOIL SAMPLE LOCATION MAP
402743473	TOPOGRAPHIC MAP
402752359	FORM 19 SUBMITTED

Total Attach: 6 Files

### **General Comments**

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

Total: 0 comment(s)