

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:

402972608

Date Received:

03/03/2022

Spill report taken by:

Brown, Kari

Spill/Release Point ID:

481677

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>	Phone Numbers
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>		Mobile: <u>()</u>
Contact Person: <u>Phillip Porter</u>		Email: <u>COGCCSpillRemediation@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# 402965433

Initial Report Date: 02/24/2022 Date of Discovery: 02/23/2022 Spill Type: Historical Release

Spill/Release Point Location:

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

Latitude: 40.352038 Longitude: -104.682863

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: Strohauer 32-22D Well API No. (Only if the reference facility is well) 05-123-31381
 No Existing Facility or Location ID 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>Unknown</u>
Estimated Other E&P Waste Spill Volume(bbl): <u>0</u>	Estimated Drilling Fluid Spill Volume(bbl): <u>0</u>

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 and cold
 Surface Owner: FEE Other(Specify): _____

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

PDC discovered a reportable release at the former Strohauser 32-22D wellhead. Release clean-up and delineation activities 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>
2/24/2022	Weld Co	NA	-	
2/24/2022	Surface Owner	NA	-	
2/24/2022	COGCC	Kari Oakman	-	

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>03/05/2022</u>		
FLUIDS	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 & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
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): _____		Width of Impact (feet): _____	
Depth of Impact (feet BGS): <u>4</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
<p>On February 23, 2022, a historic release was discovered following the receipt of preliminary analytical results for the confirmation soil sample collected below the Strohauer 32-22D flowline. On February 8, 2022, one soil sample (FL01-01) was collected below the wellhead flowline at approximately 4 feet below ground surface (bgs) and was submitted for laboratory analysis of BTEX naphthalene, 1,2,4-TMB, 1,3,5-TMB, and TPH (C6-C36). Preliminary analytical results indicate that organic compounds are in exceedance of the acceptable Table 915-1 standards in sample FL01-01. Due to laboratory hold times constraints, this sample was not analyzed for the full COGCC Table 915-1 analytical suite. Following the initiation of supplemental source mass removal activities, one soil sample will be collected from source material and submitted for waste characterization analysis. Excavation and confirmation sampling activities will continue following landowner approval. Two background soil samples (BKG01) were collected from the 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.</p>			
Soil/Geology Description:			
Altvan loam, 0 to 1 percent slopes.			
Depth to Groundwater (feet BGS) <u>17</u>		Number Water Wells within 1/2 mile radius: <u>12</u>	
If less than 1 mile, distance in feet to nearest		Water Well <u>870</u> None <input type="checkbox"/>	Surface Water <u>360</u> None <input type="checkbox"/>
		Wetlands <u>1210</u> None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>
		Livestock <u>1630</u> None <input type="checkbox"/>	Occupied Building <u>875</u> None <input type="checkbox"/>
Additional Spill Details Not Provided Above:			

Final analytical results and field activities will be summarized in a forthcoming Supplemental Form 27. 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 sample collected from the source material.

Preliminary analytical results are summarized in Table 1. GPS coordinates and field screened VOC concentrations are summarized in Table 2. A topographic map is attached as Figure 1. The flowline soil sample locations are illustrated on Figure 2. The draft laboratory reports are included in Attachment A and the field notes and photo log are included in Attachment B.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/05/2022

Root Cause of Spill/Release Unknown (Historical)

Other (specify) _____

Type of Equipment at Point of Spill/Release: Other

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

Wellhead flowline

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

On February 23, 2022, a historical release was discovered beneath the wellhead flowline at the Strohauser 32-22D Wellhead. Due to the historic nature of the release, a root cause could not be determined.

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

The wellhead and associated flowline has been 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: 21336

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

OPERATOR COMMENTS:

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: Phillip Porter

Title: Snr. Environmental Rep. Date: 03/03/2022 Email: COGCCSpillRemediation@pdce.com

Condition of Approval

COA Type**Description**

	Based on review of the information to be submitted in project 21336 which is ongoing at this time, it is concluded that the proposed investigation activities and proposed remedial actions in the approved site investigation and remediation plan will be adequate to remediate impacted soils and groundwater at the site of the spill. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, further site investigation and/or remediation activities may be required at the site.
1 COA	

Attachment List

Att Doc Num**Name**

402972608	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402972689	TOPOGRAPHIC MAP
402972702	PHOTO DOCUMENTATION
402972944	SOIL SAMPLE LOCATION MAP
402972948	ANALYTICAL RESULTS
402974187	FORM 19 SUBMITTED

Total Attach: 6 Files

General Comments

User Group**Comment****Comment Date**

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)