

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

402626699

Date Received:

03/14/2021

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

479549

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>	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>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402618680

Initial Report Date: 03/04/2021 Date of Discovery: 03/04/2021 Spill Type: Historical Release

Spill/Release Point Location:

QTRQTR SWSW SEC 17 TWP 6N RNG 65W MERIDIAN 6

Latitude: 40.482670 Longitude: -104.694920

Municipality (if within municipal boundaries): _____ County: WELD

Reference Location:

Facility Type: WELL Facility/Location ID No _____

Spill/Release Point Name: _____ Well API No. (Only if the reference facility is well) 05-123-13293

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>Unknown</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: NON-CROP LAND Other(Specify): _____

Weather Condition: cloudy

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 discovered while abandoning the wellhead and associated flowline.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
3/4/2021	COGCC	Rick Allison	-	
3/4/2021	Surface Owner	Private	-	
3/4/2021	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: 03/12/2021

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): 20 Width of Impact (feet): 26

Depth of Impact (feet BGS): 24 Depth of Impact (inches BGS): _____

How was extent determined?

On March 4, 2021, a historic release was discovered adjacent to the wellhead during decommissioning activities at the Leafgren 1-17 Wellhead. During initial decommissioning activities, one soil sample (WH01) was collected from the base of the excavation, beneath the flowline riser at approximately 5 feet below ground surface (bgs) and, one soil sample (FLR01) was collected adjacent to the flowline riser at approximately 4 feet bgs. Both samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, and total petroleum hydrocarbons (TPH) (C6-C36). Analytical results indicated that organic compound concentrations were in exceedance of applicable Table 915-1 soil standards in both samples collected. Consequently, sample WH01 was submitted for the full COGCC Table 915-1 suite excluding "Soil Suitability for Reclamation" inorganic analysis. Between March 4, and March 9, 2021, excavation activities were conducted and approximately 219.5 cubic yards of impacted material were removed and transported to the North Weld Waste Management Facility in Ault, Colorado for disposal under PDC waste manifests. Eighteen soil samples (SS01 – SS18) were collected from the final excavation extent at depths ranging from 2.5 feet to 24 feet bgs. Samples SS01 through SS17 were submitted for laboratory analysis BTEX, naphthalene, TPH (C6-C36), 1, 2, 4-trimethylbenzene (TMB), and 1, 3, 5-TMB. Sample SS18 was submitted for analysis of "Soil Suitability for Reclamation" inorganic analysis. Initial analytical results indicated that organic compound concentrations were above the applicable regulatory standards in samples SS01, SS03, SS04, and SS13.

Soil/Geology Description:

Ascalon loam, 0 to 1 percent slopes

Depth to Groundwater (feet BGS) 23 Number Water Wells within 1/2 mile radius: 20

If less than 1 mile, distance in feet to nearest

Water Well	<u>551</u>	None <input type="checkbox"/>	Surface Water	<u>114</u>	None <input type="checkbox"/>
Wetlands	<u>114</u>	None <input type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
Livestock	<u>120</u>	None <input type="checkbox"/>	Occupied Building	<u>389</u>	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

Soil analytical results are summarized in Tables 1 - 3. GPS coordinates and volatile organic compound (VOC) concentrations the soil samples collected during excavation activities are summarized in Table 5. Following initial 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. Groundwater analytical results are summarized in Table 4. Additional source mass removal and site investigation activities are on-going. 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 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.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 03/12/2021

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): 219

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: 16704

OPERATOR COMMENTS:

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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

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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402626699	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402627092	OTHER
402627154	TOPOGRAPHIC MAP
402627156	ANALYTICAL RESULTS
402627157	SITE MAP
402641718	FORM 19 SUBMITTED

Total Attach: 6 Files

General Comments

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

Total: 0 comment(s)