

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401279304

Date Received:

05/11/2017

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

450290

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	Phone Numbers
Address: 1775 SHERMAN STREET - STE 3000		Phone: (970) 506-9272
City: DENVER	State: CO	Zip: 80203
Contact Person: Zack Liesenfeld		Mobile: (970) 373-9581
		Email: Zack.Liesenfeld@pdce.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401276224

Initial Report Date: 05/06/2017 Date of Discovery: 05/05/2017 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSE SEC 22 TWP 5N RNG 64W MERIDIAN 6

Latitude: 40.380503 Longitude: -104.532125

Municipality (if within municipal boundaries): County: WELD

Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 441879

☐ No Existing Facility or Location ID No.

☐ Well API No. (Only if the reference facility is well) 05- -

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? Yes

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

Estimated Oil Spill Volume(bbl): >=5 and <100

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): 0

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: NON-CROP LAND

Other(Specify):

Weather Condition: 80 degrees, 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):

On May 5, 2017, a reportable release was discovered at the Sappington 22Q-301 production facility. Approximately 17-18 barrels of oil were released within secondary containment to due to a dump valve failure at the separator. The location was immediately shut-in and vacuum recovery efforts were initiated. Excavation and sampling activities are on-going and will be summarized in a forthcoming report.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
5/5/2017	COGCC	Rick Allison	-	Via Email
5/5/2017	Weld County	Roy Rudisill	-	Via Email
5/5/2017	Landowner	NA	-	Via Phone

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 05/10/2017		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	18	7	<input 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? YES 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): 39 Width of Impact (feet): 18

Depth of Impact (feet BGS): 5 Depth of Impact (inches BGS): _____

How was extent determined?

On May 5, 2017, approximately 18 barrels of oil were released inside secondary containment from a dump valve failure at the separator at the Sappington 22Q-301 production facility. Approximately 7 barrels of oil were immediately recovered via vacuum truck and transported to a license disposal facility. Approximately 50 cubic yards of impacted material were excavated and transported to the Waste Management Facility in Ault, Colorado for disposal. Soil encountered during excavation activities was field screened for volatile organic compound (VOC) concentrations using a photoionization detector (PID). On May 5 and May 9, 2017, six soil samples (SS01 - SS06) were collected from the excavation area. Soil samples were submitted to Summit Scientific Laboratories in Golden, Colorado for benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260B, and TPH - diesel range organics (DRO) by USEPA Method 8015. Analytical results indicated that constituent concentrations were below the applicable COGCC Table 910-1 standards in the five soil samples (SS02 - SS06) collected from the final extent of the excavation area. Soil sample locations are illustrated on Figure 2 and soil analytical data is summarized in Table 1. The laboratory reports are included as Attachment A. Based on the analytical data provided herein, PDC is requesting a No Further Action (NFA) determination for this release.

Soil/Geology Description:

Dacono clay loam, 0 to 1 percent slopes.

Depth to Groundwater (feet BGS) 23 Number Water Wells within 1/2 mile radius: 10

If less than 1 mile, distance in feet to nearest	Water Well	548	None	Surface Water	5049	None
	Wetlands		None <input checked="" type="checkbox"/>	Springs		None <input checked="" type="checkbox"/>
	Livestock	3048	None <input type="checkbox"/>	Occupied Building	757	None <input type="checkbox"/>

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1	Supplemental Report Date:	05/10/2017
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Cause of Spill (Check all that apply) ☐ Human Error ☒ Equipment Failure ☐ Historical-Unknown ☐ Other (specify) _____

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

Approximately 18 barrels of oil were released inside secondary containment due to a failure in the dump valve at the separator.

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

The dump valve will be replaced and routine inspections will continue.

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: _____

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: Zack Liesenfeld
Title: EHS Professional	Date: 05/11/2017
	Email: Zack.Liesenfeld@pdce.com

COA Type

Description

	Based on the information presented, it appears that no further action is necessary at this time and the COGCC approves the closure request. However, should future conditions at the site indicate contaminant concentrations in soils exceeding COGCC standards or if ground water is found to be impacted, then further investigation and/or remediation activities may be required. In addition, the surface area disturbed by the remediation activity shall be reclaimed in accordance with the 1000 Series Reclamation Rules.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401279304	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401279483	TOPOGRAPHIC MAP
401279557	ANALYTICAL RESULTS
401279560	SITE MAP
401294023	FORM 19 SUBMITTED

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)