

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:

401507261

Date Received:

01/11/2018

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

453636

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>(970) 506-9272</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>		Mobile: <u>(970) 373-6581</u>
Contact Person: <u>Zack Liesenfeld</u>		Email: <u>Zack.Liesenfeld@pdce.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401504549

Initial Report Date: 01/05/2018 Date of Discovery: 01/04/2018 Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR NESE SEC 8 TWP 5N RNG 63W MERIDIAN 6

Latitude: 40.410209 Longitude: -104.455700

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

Reference Location:

Facility Type: TANK BATTERY  Facility/Location ID No \_\_\_\_\_  
 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? Yes

*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): >=1 and <5 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: Cool and Overcast

Surface Owner: STATE 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 January 4th, 2018 PDC Energy learned of a crude oil release on the State 5519 8-34, 43, 33-8, 8A. Upon arrival to location the pumper discovered more than 1 but less than 5 barrels of crude oil had been released outside of containment. The well was immediately shut in and current recovery efforts are mitigating soil impacts.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
1/4/2018	COGCC	Rick	-	Via Email
1/4/2018	Landowner	State Land Board	-	Via Phone Call
1/4/2018	Weld County	Roy Rudisill	-	Via Email

**SPILL/RELEASE DETAIL REPORTS**

#1 Supplemental Report Date: 01/09/2018

FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	1	0	<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? 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): 87 Width of Impact (feet): 26

Depth of Impact (feet BGS): 1 Depth of Impact (inches BGS): \_\_\_\_\_

How was extent determined?

On January 4, 2017, approximately 1 barrel of oil was released from a pressure relief valve on the separator at the State 5519 8-34, 43, 33-8, 8A production facility. Following the discovery of the release, the wellhead was shut-in and mitigation efforts were initiated. Approximately 20 cubic yards of impacted material were removed and transported to the North Weld Landfill in Ault, Colorado for disposal under PDC waste manifests. Seven (7) soil samples (SS01 - SS07) were collected between 6 inches and 1 foot below ground surface (bgs). The soil samples were submitted to Summit Scientific Laboratories in Golden, Colorado for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by United States Environmental Protection Agency (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 all seven soil samples. Based on the analytical results described herein, PDC is requesting a No Further Action (NFA) designation for this release. The release area and sample locations are illustrated on Figure 2 and the soil analytical results are summarized in Table 1. The laboratory report is included in Attachment A.

Soil/Geology Description:

Valent sand, 3 to 9 percent slopes.

Depth to Groundwater (feet BGS) 38 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest Water Well \_\_\_\_\_ None  Surface Water \_\_\_\_\_ None

Wetlands \_\_\_\_\_ None

Springs \_\_\_\_\_ None

Livestock 1200 None

Occupied Building \_\_\_\_\_ None

Additional Spill Details Not Provided Above:

Empty rectangular box for additional spill details.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/09/2017

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)

On January 4, 2018, approximately 1 barrel of oil was released from the pressure relief valve on the separator due to an unforeseen malfunction of the high low controller.

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

The pressure relief valve was replaced, routine pressure and integrity tests will continue along with annual inspections of the high low controller.

Volume of Soil Excavated (cubic yards): 20

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:

Empty rectangular box for 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: 01/11/2018 Email: Zack.Liesenfeld@pdce.com

### COA Type

### Description

--	--

### Attachment Check List

Att Doc Num	Name
401509522	TOPOGRAPHIC MAP
401509546	SITE MAP
401509558	ANALYTICAL RESULTS

Total Attach: 3 Files

## General Comments

User Group

Comment

Comment Date

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

Total: 0 comment(s)